



GOVERNMENT OF INDIA



CPWD

CENTRAL PUBLIC WORKS DEPARTMENT

Analysis of Rates for Delhi (Vol-1)

2021

महानिदेशक, के.लो.नि.वि., नई दिल्ली
Director General, CPWD, New Delhi



GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

ANALYSIS OF RATES

FOR DELHI

(VOL. 1)

2021



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Vinit Kumar Jayaswal
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FOREWORD

Central Public Works Department Delhi Analysis of Rates 2021 is a comprehensive and useful document forming basis for the rates of various items of DSR 2021. It is based on scientific assessment of inputs of materials, labour and machinery in various items of work normally involved in civil works.

It was first compiled in the year 1950, followed by subsequent publications or revisions in the years 1955, 1962, 1972, 1977, 1985, 1997, 2007, 2012, 2013, 2014, 2016 and 2019.

Last edition of Delhi Analysis of Rates was published in the year 2019. Revision of this DAR has become necessary due to changes in wages of labour and prices of materials, adoption of new construction technologies & materials as well as implementation of GST. This has necessitated revision of existing Delhi Analysis of Rates 2019.

I wish to place on record the technical input and effective coordination on the part of Shri D.C.Goel ADG (Tech.), Shri Vinayak Rai CE (CSQ) (Civil) and the sincere efforts put in by Shri Divakar Agrawal SE (TAS), Shri S.N.Jaiswal EE(TAS), Shri Mukesh Varma Chief Estimator, Shri Naveenkumar P JE (TAS), Shri Chalapaka Ramaraju JE (TAS) and team of officers in CSQ unit in preparation and finalizing the DAR 2021 in a short time.

I am sure that Delhi Analysis of Rates 2021 will be useful to all the engineers and architects in Building Construction Industry in general and CPWD in particular.


(Vinit Kumar Jayaswal)
Director General

Place : New Delhi
Date : July 12, 2021



Dharmesh Chandra Goel
Addl. Director General (Tech)



भारत सरकार
Government of India



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PREFACE

1. CPWD Delhi Analysis of Rates 2021 is the revised edition of CPWD Delhi Analysis of Rates for Delhi 2019.
2. Delhi Analysis of Rates 2021 incorporates all the analysis of items of Delhi Schedule of Rates 2019 with updated correction slips, including analysis of existing items and also corresponding new items introduced in DSR 2021.
3. Delhi Analysis of Rates 2021 is published in two volumes as under:

Volume Number	Sub-head No.	Content/ Sub-head
One	00	Basic Rates
	01	Carriage of Materials
	02	Earth Work
	03	Mortars
	04	Concrete Work
	05	Reinforced Cement Concrete
	06	Masonry Work
	07	Stone Work
	08	Cladding Work
	09	Wood and PVC Work
	10	Steel Work
	11	Flooring
	12	Roofing
Two	13	Finishing
	14	Repairs to Buildings
	15	Dismantling and Demolishing
	16	Road Work
	17	Sanitary Installations
	18	Water Supply
	19	Drainage
	20	Pile work
	21	Aluminium Work

Volume Number	Sub-head No.	Content/ Sub-head
	22	Water Proofing
	23	Rain Water Harvesting & Tubewells
	24	Conservation of Heritage Buildings.
	25	Structural Glazing Aluminium Composite Panel
	26	New Technologies and Materials

4. Delhi Analysis of Rates 2021 is based on the study of current market rates of materials at Delhi, prevailing as on or just before 01.04.2021. The basic rates of materials, incorporated in the analysis, pertain to materials conforming to BIS Standards/ CPWD Specifications/Materials of good quality generally available in the market. The effect of GST on works contracts has been incorporated in all items. Labour rates are taken from the minimum wages issued by the Government of Delhi and Govt. of India (whichever is higher) w.e.f. 01.04.2021.
5. The nomenclature of main items has been printed along with the analysis of first Sub item only to conserve the space and number of pages.
6. Sundries have been considered as 2.12 times based on Cost Index of Delhi as on 01.04.2021 which is 105 over Delhi Plinth Area Rates 2020 with base 100 as on 01.04.2020 and cost index as on 01.04.2020 which is 101 over CPWD Delhi Plinth Area Rates 2019 having base 100 as on 01.04.2019.
7. I wish to place on record the technical input and effective coordination on the part of Shri Vinayak Rai CE (CSQ) (Civil) and the sincere efforts put in by Shri Divakar Agrawal SE (TAS), Shri S.N.Jaiswal EE(TAS), Shri Mukesh Varma Chief Estimator, Shri Naveenkumar P JE (TAS), Shri Chalapaka Ramaraju JE (TAS) and team of officers in CSQ unit in finalizing the DAR 2021 in a short time.
8. I convey my gratitude to field offices at Delhi who rose to the occasion and provided sufficient data base of market rates to CSQ office and thus enabled them to come out with this edition of DAR in a short time.
9. Although due care has been taken in bringing out DAR 2021, there is possibility that some errors are still there inadvertently. Error or omission may be brought to the notice of Superintending Engineer (TAS), CPWD, Room No. 418A, A-wing, Nirman Bhawan, New Delhi -110011 (Tele fax. 011-23062339).

Suggestions for improvement are welcome.

Dharmesh Chandra Goel
ADG (Tech) CPWD

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BASIC

RATES

BASIC RATES

0.1 HIRE CHARGES OF PLANTS & MACHINERY

Note :- These rates are exclusive of GST, contractor's profit and over heads etc.

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
			₹
0001	Hire charges of Coaltar Boiler 900 to 1400 litres	day	800.00
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	800.00
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	3000.00
0004	Production cost of concrete by batch mix plant	cum	400.00
0005	Hire charges of Diesel Truck - 9 tonne (with POL)	day	3940.00
0006	Hire charges of Spraying machine including electric charges	day	250.00
0007	Hire charges of Coaltar Sprayer	day	350.00
0008	Hire charges of Barber green, drying, mixing and Asphalt Plant, with accessories, capacity 30/45 tonne	day	7700.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	210.00
0010	Hire charges of Derrick monkey rope	day	750.00
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	700.00
0012	Vibrator (Needle type 40 mm)	day	350.00
0013	Machine for rubbing of floors	day	300.00
0014	Front end loader capacity 1.00 cum	day	6000.00
0015	Hire and running charges of Tripod and Mechanical Winch machine complete with power unit and accessories	day	3000.00
0016	Mastic Cooker	day	750.00
0017	Hire and running charges of tipper	day	3750.00
0018	Hire and running charges of loader	day	6000.00
0019	Hand Grinder for mirror polish	day	250.00
0020	Hydraulic Excavator (3D) with driver and fuel	day	7000.00
0021	Pin vibrator	day	250.00
0022	Surface Vibrator	day	300.00
0023	Hot Bitumen Mixer 0.5 cum i/c hand cart	day	3500.00
0024	Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site	day	35000.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0025	Hire and running charges of light crane	day	3500.00
0026	Hire and running charges of bentonite pump	day	3000.00
0027	Hire and running charges of vibrating pile driving hammer complete with power unit and accessories	day	30000.00
0028	Hire and running charges of crane 20 tonne capacity	day	7000.00
0029	Carriage of ready mixed concrete by rotatory transit mixer	km/cum	37.30
0030	Generator 250 KVA	day	3000.00
0031	Steam curing by using boiler /Heater	cum	500.00
0032	Stressing Machine (jack with pump)	day	11500.00
0033	Paint applicator	day	800.00
0034	Cutting saw machine	day	1350.00
0035	Strands Roller machinery for laying strands	day	3500.00
0036	Bed master (Pulling strands)	day	3000.00
0037	Mobile crane	day	4500.00
0038	Tractor with ripper attachment	day	1200.00
0039	Tractor with trolley	day	1200.00
0040	Air compressor 250 cfm with two leads for pneumatic cutters / hammers	day	1600.00
0041	Joint cutting machine with 2-3 blades	day	800.00
0042	C.C .batch mix plant	day	10000.00
0043	Road sweeper	day	550.00
0044	Cost for crane upto 40 tonne capacity	day	8000.00
0045	Slip form paver with sensor	day	13000.00
0046	Water tanker 5000 litre	day	1200.00
0047	Concrete joint cutting machine	day	600.00
0048	Texturing machine	day	925.00
0049	Dozer D-80-A 12	hour	1500.00
0050	Motor Grader 3.35 metre blade	hour	2400.00
0051	Hydraulic Excavator of 1 cum bucket	hour	800.00
0052	Front end loader 1 cum bucket capacity (incl POL)	hour	1300.00
0053	Tipper-5 Cum/10 tonnes	tonne/km	3.30

BASIC RATES : 0.1 HIRE CHARGES OF PLANTS & MACHINERY

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0054	Vibratory roller 8 to 10 tonne	hour	600.00
0055	Smooth Wheeled Roller 8 to 10 tonne	hour	300.00
0056	Tandem Road Roller	hour	1200.00
0057	Water Tanker 5 to 6 KL capacity	hour	200.00
0058	Air compressor	hour	200.00
0059	Wet Mix Plant 60 TPH	hour	950.00
0060	Mechanical Broom Hydraulic	hour	450.00
0061	Emulsion Pressure Distributor of capacity 1750 sqm per hour	hour	700.00
0062	Hot mix Plant -120 TPH capacity	hour	15000.00
0063	Hot mix Plant 100 TPH Capacity	hour	13000.00
0064	Paver finisher Hydrostatic with sensor control 100 TPH	hour	1500.00
0065	Paver finisher Mechanical 100 TPH	hour	800.00
0066	Batching and Mixing Plant @ 75 cum per hour	hour	2400.00
0067	Cost for crane upto 80 tonne capacity	day	15000.00
0068	Concrete Paver finisher with 40 HP Motor and sensor	hour	3000.00
0069	Generator 250 KVA	hour	400.00
0070	Generator 100 KVA/125 KVA	hour	300.00
0071	Truck 5.5 cum/10 tonnes	tonne km	3.30
0072	Cost for crane having capacity 50MT	day	8500.00
0075	Road sweeper (Mechanical Broom) @ 1250 sqm per hour	hour	450.00
0076	Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output	hour	12000.00
0080	Hire and running charges of drill machine up to 400 mm dia (including cost of mobile oil, diesel consumption in ordinary soil and operator)	day	7500.00
0081	Pile Integrity testing equipment	day	3000.00
0082	Excavation of Diaphragm wall by Mechanical Grab	sqm	1500.00
0083	Hire charges of TATA 407 or equivalent for local shifting.	day	1400.00

Note :- 1. Above hire - charges (from item code 0001 to 0083) include cost of services of operating staff, Cost of lubricating oil, diesel / Petrol/ Kerosene oil , other consumables for running the plant and machinery and excluding GST. 2. The hire charges of plant machinery on per day basis are for single shift of eight working hours.

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0084	Hire charges of diesel truck - 9 tonne (without POL)	day	2000.00
0085	Using cost of Ultra Violet Radiation tube	Hour	190.00
0086	Compressor, gun, rubber pipes & other accessories- hire charge of plant & machinery i/c necessary fuel	day	4000.00
0087	Hire Charges of Suction Jetting machine 2200 PSI machine i/c POL and operator	day	40000.00
0088	Hire charges of Drill machine upto 30 mm dia	day	160.00
0089	Hire charges of sand blasting equipment	day	400.00
0090	Hire charges of compressor	day	500.00
0091	Welding charges of shear key to existing reinforcement	each	5.00
0092	Hire charges of plant and Machinery that can inject 350 kg/day	day	200.00
0093	Hire Charges of Suction Jetting machine 1500 PSI machine i/c POL and operator	day	10000.00

BASIC RATES

0.2 LABOUR

Note:- These rates are exclusive of GST, contractor's profit and over heads and are inclusive of wages for weekly day of rest.

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
0100	Bandhani	day	714.00
0101	Bhisti	day	714.00
0102	Blacksmith 1st class	day	784.00
0103	Blacksmith 2nd class	day	714.00
0111	Carpenter 1st class	day	784.00
0112	Carpenter 2nd class	day	714.00
0113	Chowkidar	day	645.00
0114	Beldar	day	645.00
0115	Coolie	day	645.00
0116	Fitter (grade 1)	day	784.00
0117	Assistant Fitter or 2nd class Fitter	day	714.00
0119	Glazier	day	714.00
0122	Mason (for plaster of paris work) 1st class	day	784.00
0123	Mason (brick layer) 1st class	day	784.00
0124	Mason (brick layer) 2nd class	day	714.00
0125	Mason (for plain stone work) 2nd class	day	714.00
0126	Mason (for ornamental stone work) 1st class	day	784.00
0127	Driver for (Road roller, concrete mixer, Trucks etc.)	day	784.00
0128	Mate	day	714.00
0129	Sewer man	day	645.00
0130	Mistry	day	784.00
0131	Painter	day	714.00
0132	Rock Excavator	day	645.00
0133	Rock Breaker	day	645.00
0134	Rock Hole Driller	day	645.00
0135	Stone Chiseller	day	714.00
0138	Sprayer (for bitumen, tar etc.)	day	714.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0139	Skilled Beldar (for floor rubbing etc.)	day	714.00
0141	White Washer	day	714.00
0154	Nozzel man/ gun man	day	784.00
0155*	Mason (average)	day	749.00
0156*	Carpenter (average)	day	749.00
0157	Operator (Pile/ Special machine)	day	784.00
0159	Skilled torch operator for laying tack	day	784.00
0160	Technician	day	853.00
0161	Helper (Technician)	day	645.00
0162	Labour for fabrication of uPVC extruded casement/ sliding windows and doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	534.00
0163	Labour for installation of uPVC extruded casement/ sliding windows and doors including scaffolding	sqm	773.00
0164	Security guard without gun (8 hours shift duty per day)	day	784.00
0165	Security guard with gun (8 hours shift duty per day)	day	853.00
0166	Installation charges for fixing of façade at all heights with extruded hollow clay/terracotta ventillated rain screen tiles	sqm	645.00
0167	Polisher 1st class	day	784.00
0168	Polisher 2nd class	day	714.00
0169	Specialized technicians	day	853.00

***Note:These rates are average of 1st class and 2nd class categories.These are for use in the analysis of rates only.**

BASIC RATES

0.3 MATERIALS

Note:- These rates are exclusive of GST, contractor's profit and over heads and carriage etc.

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	10.00
0223	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated sheet 6 mm thick	sqm	225.00
0224	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement close fitting adjustable ridge	metre	210.00
0225	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugate serrated adjustable ridge	metre	210.00
0226	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement plain wing adjustable ridge	metre	210.00
0227	Fibre (high impact poly propylene reinforced) cement unserrated adjustable ridge for hips	metre	210.00
0228	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated apron piece	metre	200.00
0229	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement eaves filler piece	each	175.00
0230	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement north light curves	metre	280.00
0231	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement ventilator curves	each	310.00
0232	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement barge boards boards 6 mm thick	metre	400.00
0233	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement ridge finial	pair	165.00
0234	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement special north light curves	each	555.00
0235	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement S type louvers	each	260.00
0236	Multi purpose fibre reinforced by organic fibres and/or inorganic synthetic fibres cement board 6 mm thick	sqm	210.00
0237	Multi purpose fibre reinforced by organic fibres and/or inorganic synthetic fibres cement board 8 mm thick	sqm	220.00
0238	6 mm thick heavy duty fiber cement board	sqm	470.00
0239	8mm thick heavy duty fiber cement board	sqm	300.00
0240	9 mm thick heavy duty fiber cement board	sqm	625.00
0241	12.5 mm thick Gypsum plaster board	sqm	170.00
0242	6 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	195.00
0243	8 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	215.00
0244	Factory made light weight composite non asbestos fibre reinforced aerated cement sandwiched wall/roof panel (50mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 4mm thick) confirming to IS 14862:2000	sqm	634.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0245	Factory made light weight non asbestos fibre reinforced aerated cement sandwiched wall/roof panel (75mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 5mm thick) confirming to IS 14862:2000	sqm	789.00
0246	2mm thick sim pad	each	10.00
0247	5mm thick sim pad	each	15.00
0248	10mm thick sim pad	each	25.00
0249	10 mm thick Cement Bonded particle board confirming to IS 14276	sqm	475.00
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	741.00
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	957.00
0280	Recycled Concrete Aggregate (RCA) 12.5 mm nominal size	cum	957.00
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	957.00
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	367.00
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	398.00
0284	Recycled Aggregate (RA) 10 mm nominal size	cum	430.00
0285	Brick Aggregate (Single size) : 63 mm nominal size	cum	650.00
0286	Brick Aggregate (Single size) : 50 mm nominal size	cum	650.00
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	650.00
0291	Stone Aggregate (Single size) : 63 mm nominal size	cum	1000.00
0292	Stone Aggregate (Single size) : 50 mm nominal size	cum	1000.00
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	1300.00
0294	Stone Aggregate (Single size) : 25 mm nominal size	cum	1350.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1400.00
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1350.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1350.00
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	1400.00
0302	Safeda ballies 125 mm diameter	metre	40.00
0303	Cowdung	cum	250.00
0304	Bajri	cum	1000.00
0305	Bamboo 25 mm dia 2.5 metre long	score	400.00
0308	Bhusa	quintal	500.00
0309	Paving bitumen of grade VG-10 of approved quality	tonne	25614.00
0310	Bitumen emulsion	tonne	30800.00
0312	Bitumen grade PMB - 40	tonne	32950.00
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	34790.00
0314	Bitumen hot sealing compound : grade A	kg	29.00
0316	Bitumen solution primer of approved quality	litre	47.00
0317	Premoulded joint filler 12 mm thick	sqm	360.00
0318	Bitumen felt fibre base (vegetable or animal):As per IS 7193 Grade I	sqm	70.00
0319	Bitumen felt as per IS 7193 Grade II	sqm	80.00
0322	Bitumen felt :Type 3 grade 1	sqm	70.00
0323	Separation Membrane of impermeable plastic sheeting 125 micron thick	sqm	12.00
0324	Coal Tar	litre	30.00
0325	Blasting powder	kg	40.00
0326	Blasting fuse (fuse wire)	each	15.00
0328	White face insulating board: 12 mm thick	sqm	235.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0332	Natural colour insulating board: 12 mm thick	sqm	210.00
0336	Flame retardant face insulating board: 12 mm thick	sqm	320.00
0339	Flame retardant face insulating, Impregnated fibre board 12 mm thick	sqm	375.00
0341	Flat pressed 3 layer particle board (medium density) Grade 1, 12 mm thick	sqm	288.00
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side	sqm	230.00
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	155.00
0348	Extra for veneered particle board with Teak veneering on both sides	sqm	500.00
0349	Curing compound	litre	38.00
0351	Integral crystalline slurry	kg	195.00
0352	Integral crystalline admixture	kg	230.00
0353	Crystalline mortar	kg	190.00
0354	Integral crystalline dry shake	kg	280.00
0355	Swellable type water stop tape	metre	325.00
0356	Primer for swellable type water stop tape	litre	1300.00
0357	Polymer modified adhesive mortar	kg	14.00
0362	Brick bats	cum	450.00
0364	Wire brush	each	20.00
0365	Soft brush	each	20.00
0367	Portland Cement (OPC-43 Grade)	tonne	5000.00
0368	White Cement	tonne	11200.00
0369	Plastic sheet,1.25 mm thick for dowel bars	sqm	25.00
0370	Coal (steam)	quintal	440.00
0371	Sealant primer	kg	130.00
0373	Cramp Gun metal 25x6x300 mm	each	80.00
0374	Pre moulded Joint filler, 25 mm thick for expansion joint.	sqm	400.00
0378	Brass butt hinges (light/ordinary type) : 125x70x4 mm	10 Nos	775.00
0379	Brass butt hinges (light/ordinary type) : 100x70x4 mm	10 Nos	625.00
0380	Brass butt hinges (light/ordinary type) : 75x40x2.5 mm	10 Nos	380.00
0381	Brass butt hinges (light/ordinary type) : 50x40x2.5 mm	10 Nos	155.00
0382	Brass butt hinges (heavy type) : 125x85x5.5 mm(0.70 kg)	10 Nos	1309.00
0383	Brass butt hinges (heavy type) : 100x85x5.5 mm(0.56 kg)	10 Nos	997.00
0384	Brass butt hinges (heavy type) :75x65x4.0 mm (weighing not less than 0.20 kg)	10 Nos	838.00
0385	Brass parliamentary hinges 150x125x27x5 mm	10 Nos	2610.00
0386	Brass parliamentary hinges 125x125x27x5 mm	10 Nos	2300.00
0387	Brass parliamentary hinges 100x125x27x5 mm	10 Nos	2090.00
0388	Brass parliamentary hinges 75x100x20x3.2 mm	10 Nos	1870.00
0389	Brass single acting spring hinges 150 mm	each	425.00
0390	Brass single acting spring hinges 125 mm	each	285.00
0391	Brass single acting spring hinges 100 mm	each	250.00
0392	Brass double acting spring hinges 150 mm	each	480.00
0393	Brass double acting spring hinges 125 mm	each	400.00
0394	Brass double acting spring hinges 100 mm	each	390.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0400	Brass tower bolt (barrel type) 250x10 mm	each	257.00
0401	Brass tower bolt (barrel type) 200x10 mm	each	205.00
0402	Brass tower bolt (barrel type) 150x10 mm	each	154.00
0403	Brass tower bolt (barrel type) 100x10 mm	each	103.00
0404	Brass flush bolt 250 mm	each	150.00
0405	Brass flush bolt 150 mm	each	130.00
0406	Brass flush bolt 100 mm	each	90.00
0408	Brass handles 125 mm with plate 175x32 mm	each	144.00
0409	Brass handles 100 mm with plate 150x32 mm	each	133.00
0410	Brass handles 75 mm with plate 125x32 mm	each	103.00
0411	Brass door latch 300x16x5 mm weighing not less than 0.380 kg	each	185.00
0412	Brass door latch 250x16x5 mm weighing not less than 0.350 kg	each	175.00
0413	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	400.00
0414	Brass mortice latch 100x65mm with a pair of brass lever handles	each	310.00
0417	Brass 150 mm floor door stopper weighing not less than 0.357kg	each	160.00
0418	Brass hard drawn hooks and eyes 300 mm	10 Nos	600.00
0419	Brass hard drawn hooks and eyes 250 mm	10 Nos	574.00
0420	Brass hard drawn hooks and eyes 200 mm	10 Nos	510.00
0421	Brass hard drawn hooks and eyes 150 mm	10 Nos	400.00
0422	Brass hard drawn hooks and eyes 100 mm	10 Nos	345.00
0423	Brass casement window fastener	each	45.00
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	126.00
0425	Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	100.00
0426	Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	95.00
0427	Brass quadrant stays 300 mm	each	110.00
0428	Brass fanlight catch	10 Nos	170.00
0429	Brass fanlight pivot	10 Nos	168.00
0430	Brass chain with hook for fan light catch	each	36.00
0431	Brass hasps and staples (safety type) 150 mm	10 Nos	740.00
0432	Brass hasps and staples (safety type) 115 mm	10 Nos	670.00
0433	Brass hasps and staples (safety type) 90 mm	10 Nos	575.00
0438	Brass night latch	each	610.00
0442	Brass helical spring 150 mm	each	290.00
0444	Brass curtain rod 20 mm dia 1.25 mm thick	metre	140.00
0445	Brass curtain rod 25 mm dia 1.25 mm thick	metre	190.00
0446	Brass brackets (curtain rods) 20 mm	each	45.00
0447	Brass cupboard knob or wardrobe knob 50 mm	each	36.00
0449	Brass screws 50 mm	100 Nos	220.00
0450	Brass screws 40 mm	100 Nos	170.00
0451	Brass screws 30 mm	100 Nos	140.00
0452	Brass screws 25 mm	100 Nos	100.00
0453	Brass screws 20 mm	100 Nos	95.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0454	Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick	metre	125.00
0455	Stainless steel SS grade 304, curtain rod 25 mm dia 1.20mm thick	metre	170.00
0456	Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick	each	46.00
0457	Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick	each	55.00
0458	plastic sleeves for screw	each	2.00
0524	Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms	10 Nos	905.00
0525	Chromium plated Brass butt hinges (light/ordinary) type 125x70x4mm	10 Nos	805.00
0526	Chromium plated Brass butt hinges (light/ordinary) type 100x70x4 mm	10 Nos	690.00
0527	Chromium plated Brass butt hinges (light/ordinary) type 75x40x2.5 mm	10 Nos	421.00
0528	Chromium plated Brass butt hinges (light/ordinary) type 50x40x2.5 mm	10 Nos	180.00
0552	75mm SS fancy handles for kitchen cabinet	10 Nos.	255.00
0553	100mm SS fancy handles for kitchen cabinet	10 Nos	455.00
0554	125mm SS fancy handles for kitchen cabinet	10 Nos	640.00
0555	Chromium plated Brass handles 125 mm with plate 175 x32 mm	each	160.00
0556	Chromium plated Brass handles 100 mm with plate 150 x 32 mm	each	140.00
0557	Chromium plated Brass handles 75mm with plate 125x32 mm	each	125.00
0558	Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	470.00
0568	Chromium plated brass casement window fastener	each	90.00
0569	Chromium plated Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	140.00
0570	Chromium plated Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	120.00
0571	Chromium plated Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	100.00
0583	Chromium plated Brass Night latch	each	500.00
0584	Chromium plated Brass Wardrobe Knob 50 mm	each	80.00
0585	Chromium plated Brass screws 50 mm	100 Nos	300.00
0586	Chromium plated Brass screws 40 mm	100 Nos	290.00
0587	Chromium plated Brass screws 30 mm	100 Nos	240.00
0588	Chromium plated Brass screws 25 mm	100 Nos	180.00
0589	Chromium plated Brass screws 20 mm	100 Nos	160.00
0590	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	185.00
0591	Chromium plated Brass curtain rod 20 mm dia 1.25mm thick	metre	260.00
0592	Chromium plated Brass curtain rod 25 mm dia 1.25mm thick	metre	340.00
0593	C.P. Brass Extension Nipple (1/2"x2" size)	each	40.00
0594	Bright finished or black enameled mild steel butt hinges 125x65x 2.12 mm	10 Nos	135.00
0595	Bright finished or black enameled mild steel butt hinges 100x58x 1.90 mm	10 Nos	80.00
0596	Bright finished or black enameled mild steel butt hinges 75x47x 1.70 mm	10 Nos	56.00
0597	Bright finished or black enameled mild steel butt hinges 50x37x 1.50 mm	10 Nos	49.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	39.00
0635	Bright finished or black enameled mild steel screws 50 mm	100 Nos	75.00
0637	Bright finished or black enameled mild steel screws 40 mm	100 Nos	60.00
0638	Bright finished or black enameled mild steel screws 30 mm	100 Nos	45.00
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	40.00
0640	Bright finished or black enameled mild steel screws 20 mm	100 Nos	35.00
0641	Bright finished or black enameled mild steel bolts and nuts 50x6 mm	each	5.00
0642	Oxidised mild steel butt hinges 125x65x2.12 mm	10 Nos	125.00
0643	Oxidised mild steel butt hinges 100x58x1.90 mm	10 Nos	90.00
0644	Oxidised mild steel butt hinges 75x47x1.70 mm	10 Nos	65.00
0645	Oxidised mild steel butt hinges 50x37x1.50 mm	10 Nos	55.00
0646	Oxidised mild steel parliamentary hinges 150x125x27x2.8 mm	10 Nos	335.00
0647	Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm	10 Nos	300.00
0648	Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm	10 Nos	235.00
0649	Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm	10 Nos	200.00
0650	Oxidised mild steel single acting spring hinges 150 mm	each	140.00
0651	Oxidised mild steel single acting spring hinges 125 mm	each	120.00
0652	Oxidised mild steel single acting spring hinges 100 mm	each	100.00
0653	Oxidised mild steel double acting spring hinges 150 mm	each	160.00
0654	Oxidised mild steel double acting spring hinges 125 mm	each	140.00
0655	Oxidised mild steel double acting spring hinges 100 mm	each	120.00
0656	Nickel plated mild steel piano hinges 1 mm thick 35 mm wide	metre	40.00
0660	Oxidised mild steel sliding door bolt 300x16 mm	each	90.00
0661	Oxidised mild steel sliding door bolt 250x16 mm	each	80.00
0662	Oxidised mild steel door latch 300x20x6 mm	each	49.00
0663	Oxidised mild steel door latch 250x20x6 mm	each	39.00
0664	Oxidised mild steel tower bolt (barrel type) 250x10 mm	each	43.00
0665	Oxidised mild steel tower bolt (barrel type) 200x10 mm	each	34.00
0666	Oxidised mild steel tower bolt (barrel type) 150x10 mm	each	29.00
0667	Oxidised mild steel tower bolt (barrel type) 100x10 mm	each	20.00
0668	Oxidised mild steel handles 125 mm	each	20.00
0669	Oxidised mild steel handles 100 mm	each	15.00
0670	Oxidised mild steel handles 75 mm	each	12.00
0679	Oxidised mild steel hasps and staples (safety type) 150 mm	10 Nos	128.00
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	108.00
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	79.00
0682	Oxidised mild steel screws 50 mm	100 Nos	76.00
0683	Oxidised mild steel screws 40 mm	100 Nos	62.00
0684	Oxidised mild steel screws 30 mm	100 Nos	49.00
0685	Oxidised mild steel screws 25 mm	100 Nos	36.00
0686	Oxidised mild steel screws 20 mm	100 Nos	32.00
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	560.00
0688	Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	393.00
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	393.00
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	270.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	324.00
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	275.00
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	226.00
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	196.00
0696	Anodised Aluminium sliding door bolt 300x16 mm	each	147.00
0697	Anodised Aluminium sliding door bolt 250x16 mm	each	128.00
0698	Anodised Aluminium tower bolt (barrel type) 300x10 mm	10 Nos	580.00
0699	Anodised Aluminium tower bolt (barrel type) 250x10 mm	10 Nos	481.00
0700	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 Nos	383.00
0701	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 Nos	304.00
0702	Anodised Aluminium tower bolt (barrel type) 100x10 mm	10 Nos	226.00
0703	Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 Nos	324.00
0704	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10 Nos	275.00
0705	Anodised Aluminium handles 75mm with plate 125 x 32 mm	10 Nos	231.00
0706	Anodised Aluminium kicking plate 50 cm long 100x3.15 mm	each	142.00
0713	Block board construction flush door with teak wood ply on both faces 35 mm thick	sqm	1800.00
0714	Block board construction flush door with teak wood ply on both faces 30 mm thick	sqm	1600.00
0715	Block board construction flush door with teak wood ply on both faces 25 mm thick	sqm	1400.00
0717	Block board construction flush door with commercial ply on both faces 35 mm thick	sqm	1000.00
0718	Block board construction flush door with commercial ply on both faces 30 mm thick	sqm	900.00
0719	Block board construction flush door with commercial ply on both faces 25 mm thick	sqm	890.00
0752	Block board construction flush door lipping 25 mm thick	sqm of door area	300.00
0753	Square vision panel in Block board construction flush door not exceeding 0.10 sqm	sqm of door area	130.00
0754	Circular vision panel in Block board construction flush door	sqm of door area	135.00
0755	Decorative type louvers in Block board construction flush door	sqm of door area	265.00
0757	Rebate cutting in block board construction flush door	sqm of door area	70.00
0759	Decorative plywood 4 mm	sqm	320.00
0761	Fuel wood	quintal	500.00
0763	Glue	kg	75.00
0764	Calcium silicate base compound for jointing calcium silicate tiles	kg	26.00
0765	Hessian cloth	sqm	35.00
0768	Cement Concrete Jali 50 mm thick	sqm	400.00
0769	Cement Concrete Jali 40 mm thick	sqm	350.00
0770	Cement Concrete Jali 25 mm thick	sqm	275.00
0771	Kerosene oil	litre	50.00
0772	White cement based polymer modified self curing compound in powder form	kg	15.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0773	Unslaked lime	quintal	300.00
0775	Dehradun white lime	quintal	600.00
0776	Satna lime	quintal	370.00
0777	Dry hydrated lime (factory made)	quintal	290.00
0784	Marble dust/ powder	cum	1130.00
0785	Marble chips up to 4 mm and down size White & black	quintal	189.00
0788	Marble chips large size above 4 mm White & black	quintal	250.00
0801	Silicon and acrylic emulsion	litre	120.00
0802	Acrylic distemper 1st quality , having VOC content less than 50 grams/ litre	Kg	40.00
0803	Acrylic emulsion, having VOC content less than 50 grams/ litre	litre	94.00
0804	Premium plastic acrylic emulsion of interior grade, having VOC content less than 50 grams/ litre	litre	200.00
0806	Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	litre	105.00
0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 grams/ litre	litre	50.00
0810	Moorum	cum	500.00
0811	Mud (dry)	cum	165.00
0818	Linseed oil (double boiled)	litre	200.00
0824	White cement based putty	kg	13.00
0826	Aluminium paint	litre	150.00
0827	Acid proof paint (chocolate or black)	litre	225.00
0828	Anticorrosive bituminous paint (black)	litre	100.00
0829	Black Japan paint	litre	90.00
0833	Synthetic enamel paint in black or chocolate shade	litre	175.00
0834	Synthetic enamel paint in all shades except black or chocolate shade	litre	165.00
0836	100% Premium acrylic dirt resistance, Silicone additives exterior paint	litre	270.00
0837	Acrylic Exterior Primer	litre	100.00
0845	Roofing paint for iron sheets in red colour	litre	120.00
0850	White lead	kg	170.00
0851	Water proofing cement paint	kg	38.00
0855	Wax polish (ready made)	kg	230.00
0856	Ordinary varnish	litre	100.00
0857	Superior copal varnish	litre	115.00
0858	Superior spar varnish	litre	115.00
0859	Oil type wood preservative	litre	130.00
0863	Putty for wood work	kg	28.00
0865	Pig lead	kg	130.00
0868	Premixed super white gypsum plaster	kg	6.00
0869	Plaster of Paris	kg	5.00
0870	Plug	each	10.00
0873	Copper pins 6 mm dia 7.5 cm long	each	10.00
0874	Black colour dark shade pigment	kg	70.00
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kg	60.00
0876	Green or blue medium shade pigment	kg	56.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
0886	Standard holder bat clamps for sand cast iron or cast iron pipes 150 mm dia	each	45.00
0966	Sand Cast iron plain shoe 150 mm dia	each	285.00
0967	Copper plate	kg	527.00
0969	Pulley 25 mm dia	each	48.00
0973	Rolling shutter made of 80x1.25 mm machine rolled laths	sqm	1400.00
0974	Top cover for rolling shutters 1.25 mm thick	metre	800.00
0975	27.5 cm long wire spring grade No. 2 for rolling shutters	each	300.00
0976	Ball bearing for rolling shutters	each	260.00
0977	Extra for mechanical devices chain and cranked operation for operating rolling shutters: exceeding 10.00 sqm and up to 16.80 sqm area of door	sqm	800.00
0978	Extra for mechanical devices chain and cranked operation for operating rolling shutters: exceeding 16.80 sqm area of door	sqm	800.00
0979	Royalty for good earth	cum	40.00
0980	Royalty for sludge	cum	90.00
0982	Coarse sand (zone III)	cum	1500.00
0983	Fine sand (zone IV)	cum	900.00
0992	Galvanised steel plain sheets	quintal	5000.00
0993	FY-1860 grade wire strands	quintal	5700.00
0994	Standard quality hard board sheet 3 mm thick	sqm	135.00
0996	Standard quality hard board sheet 4.5 mm thick	sqm	210.00
0999	Shellac	kg	300.00
1000	Spirit	litre	48.00
1001	Spun yarn	kg	50.00
1002	Mild steel round bar 12 mm dia and below	quintal	4850.00
1003	Mild steel round bar above 12 mm dia	quintal	4750.00
1004	Average rate of Mild steel round bars for reinforcement	quintal	4850.00
1005	Twisted steel/ deformed TMT bars Fe-500D	quintal	4900.00
1006	Mild steel square bars	quintal	4850.00
1007	Structural steel such as tees, angles channels and R.S. joists	quintal	4950.00
1008	Flats up to 10 mm in thickness	quintal	4850.00
1009	Flats exceeding 10 mm in thickness	quintal	4950.00
1010	Mild steel plates	quintal	5400.00
1011	Steel glazed door, window/ ventilator, all members viz. F7D, F4B, K11 and K12B etc.	kg	54.00
1012	Pregalvanized high tensile steel confirming to IS:277-199	kg	90.00
1013	Mild steel sheets of 1.00 mm thickness for tanks	quintal	4850.00
1015	Mild steel expanded metal 20x60 mm strands 3.25 mm wide 1.60 mm thick	sqm	280.00
1019	Mild steel hooks	each	32.00
1020	Mild steel rivets	quintal	5100.00
1021	Hard drawn steel wire fabric 75 x 25 mm mesh of weight not less than 7.75 kg/sqm	sqm	430.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	38.00
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	120.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	9.00
1025	Mild steel bolts 6 mm dia and 25 mm long with hexagonal head	10 Nos	10.00
1027	Erection Bolts (Minimum 04 nos for each element)	each	25.00
1028	Straining bolts	each	80.00
1029	Galvanised steel barbed wire of 9.8 kg /100metre	quintal	5500.00
1030	Galvanised steel turn buckles	each	25.00
1031	Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steel nuts	each	20.00
1032	Galvanised steel bolts 10 mm dia and 7 cm long with nuts	each	6.00
1034	Bolts and nuts up to 300 mm in length	quintal	5200.00
1035	Bolts and nuts above 300 mm in length	quintal	5300.00
1036	Iron pintels including welded pin	each	37.00
1143	Steel beading 10x10x1.6mm (box type)	metre	27.00
1145	Aluminium Plain Strip edging 38x12x3 mm	metre	90.00
1149	Glass strip 4 mm thick 40 mm deep	metre	20.00
1151	Boundary stone top chisel dressed 15x15x90 cm	each	80.00
1154	Through and bond stone	100 Nos	5000.00
1157	Stone for masonry work	cum	1100.00
1158	Stone for pitching 15 cm x 22.5 cm	cum	600.00
1159	Stone dust	cum	1100.00
1160	Red sand stone block	10 cudm	80.00
1161	White sand stone block	10 cudm	205.00
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	800.00
1164	Red sand stone slab 40 mm thick (un-dressed)	sqm	230.00
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	250.00
1166	Red sand stone slab 30 mm thick (un-dressed)	sqm	220.00
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished)	sqm	320.00
1169	Kota stone slab 25mm thick (rough chiseled)	sqm	250.00
1174	Red sand stone slab 45 mm to 50 mm thick (un-dressed)	sqm	260.00
1175	White sand stone slab 45 mm to 50 mm thick (un-dressed)	sqm	280.00
1177	Stone grit 6 mm and down size or pea sized gravel	cum	800.00
1179	Crushed stone 2.36 mm to 12.5 mm size	cum	900.00
1182	Surkhi	cum	700.00
1186	Superior class teak wood such as Dandeli, Balarshah or Malabar in planks	10 cudm	1100.00
1187	First class teak wood in scantling	10 cudm	880.00
1188	First class teak wood in planks	10 cudm	850.00
1189	Second class teak wood in scantling	10 cudm	776.00
1190	Second class teak wood in planks	10 cudm	791.00
1191	Marandi wood in planks	10 cudm	440.00
1192	Marandi wood in scantling	10 cudm	431.00
1194	Second class deodar wood in planks	10 cudm	500.00
1196	First class kail wood in planks	10 cudm	300.00
1197	Second class kail wood in scantling	10 cudm	260.00
1198	Second class kail wood in planks	10 cudm	260.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
			₹
1199	Sal wood in scantling	10 cu dm	600.00
1200	Kiln seasoned selected sheesham wood planks	10 cu dm	650.00
1201	Precast terrazzo tiles 22 mm thick (light shade)	sqm	285.00
1202	Precast terrazzo tiles 22 mm thick (medium shade)	sqm	265.00
1203	Precast terrazzo tiles 22 mm thick (dark shade)	sqm	245.00
1204	Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick	sqm	409.00
1207	G.I. Limpet washer	100 Nos	21.00
1208	Bitumen washer	100 Nos	30.00
1209	G.I. plain washer thick	100 Nos	35.00
1210	G.I. plain washer thin	100 Nos	21.00
1211	G.I. plain washer for seam bolts	100 Nos	32.00
1213	Water proofing materials	kilogram	35.00
1214	Welding by gas plant	cm	2.00
1215	Welding by electric plant	cm	2.00
1216	Whiting	quintal	600.00
1217	GI Wire mesh 100x100 mm	kg	75.00
1218	M.S. Shear stud	each	50.00
1219	M.S. Wire nails	kilogram	58.00
1220	M.S. Wire mesh (rabbit)	sqm	42.00
1221	M.S. 20 mm dia holding down bolts	quintal	6100.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	120.00
1223	Steel weld mesh	sqm	150.00
1224	Hard drawn steel wire	quintal	4800.00
1225	Mild steel flat strap fitting	quintal	4120.00
1227	Chequered terrazzo tiles 22 mm thick (light shade)	sqm	275.00
1228	Chequered terrazzo tiles 22 mm thick (medium shade)	sqm	300.00
1229	Chequered terrazzo tiles 22 mm thick (dark shade)	sqm	260.00
1231	Extra for selected planks of second class teakwood	10 cu dm	150.00
1234	Aluminium Plain Strip edging 57x12x3 mm	metre	135.00
1235	Diesel	litre	80.87
1237	Cutting marble or sand stone slab up to 50 mm thick by mechanical device	metre	10.00
1238	Extra for selected planks of first class teakwood	10 cu dm	150.00
1239	18 mm thick Flamed finish granite stone slab	sqm	1000.00
1240	18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 sqm).	sqm	3209.00
1241	Commercial LPG in cylinder	kg	84.00
1242	Glass mosaic tiles (20 mm x 20 mm x 4 mm)	sqm	2049.00
1243	Tile fixing chemical adhesive	kg	8.70
1244	Cement Polymer Grout Compound	kg	13.00
1245	Acid for cleaning tiles	litre	18.00
1246	Silicon based Joint Sealant for Tiles	kg	160.00
1247	Rubber base Adhesive	kg	223.00
1248	Epoxy based sealing Compound	kg	535.00
1249	Acrylic based sealing compound	kg	500.00
1250	Non woven reinforcement Tape	metre	0.14
1251	M-60 grade cemetitious grout (Non Shrink)	kg	28.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
1252	Cementitious polymer base adhesive confirming to EOTA ETAG 004 (European Technical Approval)	kg	34.00
1253	Polypropylene mechanical fastener with plastic pin confirming to EOTA ETAG 014 (European Technical Approval) having dia 10mm & L=200mm	each	30.00
1254	Moisture cure Polyurethane Foam	750 ml	600.00
1255	PVC Corner Bead of size 25mmx25mm fixed with glass fibre mesh (100mm x 100mm)	metre	90.00
1256	Cementitious polymer base coat confirming to EOTA ETAG 004 (European Technical Approval)	kg	40.00
1257	Fiberglass mesh with alkali-resistant coating having mass per unit area \geq 145 g/m ² , mesh size: 3.9x4.0 mm \pm 10%	sqm	75.00
1301	Bleaching powder	quintal	1800.00
1304	Surface box for stop cock	each	125.00
1305	Surface box for sluice valve	each	210.00
1307	Surface box for water meter	each	250.00
1309	C.I. bracket for wash basin and sinks	pair	88.00
1313	8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate for European type W.C.	each	200.00
1314	C.P.brass chain with 32 mm dia rubber plug	each	40.00
1315	C.P.brass chain with 40 mm dia rubber plug	each	40.00
1316	50mmx50mm hardwood plug	each	50.00
1330	Clamps and M.S. stays including bolts and nuts for 100 mm pipe	each	67.50
1331	M.S. Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	30.00
1332	M.S. Holder bat clamp of approved design for 75 mm S.C.I. pipe	each	27.00
1334	Clamps and M.S. stays including bolts and nuts for 50 mm pipe	each	35.00
1335	Clamps and M.S. stays including bolts and nuts for 75 mm pipe	each	37.00
1336	Clearing eye with chain and lid 100 mm dia	each	44.00
1337	Clearing eye with chain and lid 150 mm dia	each	50.00
1339	Brass bib-cock 15 mm dia	each	210.00
1340	Brass bib-cock 20 mm dia	each	225.00
1342	Brass stop-cock 15 mm dia	each	210.00
1343	Brass stop-cock 20 mm dia	each	225.00
1350	Mosquito proof coupling of approved design	each	30.00
1352	C.I. cover and frame 300x300 mm inside	each	480.00
1353	C.I. cover without frame 300x300 mm inside weight not less than 4.50 kg	each	477.00
1354	C.I. Rectangular cover 455x610 mm with frame (low duty)	each	1400.00
1355	C.I. Rectangular cover 455x610 mm without frame (low duty)	each	910.00
1356	C.I. 500 mm dia cover with frame (medium duty)	each	4400.00
1357	C.I. 500 mm dia cover without frame (medium duty)	each	2300.00
1360	C.I. mouth, brass ferrule 15 mm dia	each	140.00
1361	C.I. mouth, brass ferrule 20 mm dia	each	160.00
1362	C.I. mouth, brass ferrule 25 mm dia	each	220.00
1363	Vitreous china foot rests 250x130x30 mm	pair	100.00
1364	C.I. grating 100x100 mm	each	40.00
1366	C.I. grating 150x150 mm	each	55.00
1367	C.I. grating 180x180 mm	each	65.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
1369	S.C.I. gully or nahani grating 100 mm dia	each	25.00
1373	Rubber insertions for 75 mm dia pipe joints	each	16.00
1374	Rubber insertions for 100 mm dia pipe joints	each	18.00
1375	Rubber insertions for 125 mm dia pipe joints	each	20.00
1376	Rubber insertions for 150 mm dia pipe joints	each	20.00
1377	Rubber insertions for 200 mm dia pipe joints	each	25.00
1378	Rubber insertions for 250 mm dia pipe joints	each	40.00
1379	Rubber insertions for 300 mm dia pipe joints	each	45.00
1380	Rubber insertions for 350 mm dia pipe joints	each	50.00
1381	Rubber insertions for 400 mm dia pipe joints	each	73.00
1382	Rubber insertions for 450 mm dia pipe joints	each	92.00
1383	Rubber insertions for 500 mm dia pipe joints	each	110.00
1384	Rubber insertions for 600 mm dia pipe joints	each	125.00
1392	Mirror of superior make glass 60x45 cm	each	450.00
1396	Vitreous china pedestal for wash basin	each	950.00
1397	Pig lead	kg	210.00
1464	S & S.C.I. standard specials upto 300 mm dia (heavy class)	quintal	3800.00
1466	S & S.C.I. standard specials over 300 mm dia (heavy class)	quintal	3800.00
1468	Flanged C.I. standard specials upto 300 mm dia (heavy class)	quintal	5700.00
1470	Flanged C.I. standard specials over 300 mm dia (heavy class)	quintal	5250.00
1472	Casing pipe 100 mm dia	metre	340.00
1532	Flush pipe with union spreaders and clamps all in C.P. brass for single stall	each	310.00
1533	Flush pipe with union spreaders and clamps all in C.P. brass for double stall	each	425.00
1534	Flush pipe with union spreaders and clamps all in C.P. brass for range of three stall	each	525.00
1535	Flush pipe with union spreaders and clamps all in C.P. brass for range of four stall	each	610.00
1540	Flush pipe and spreaders G.I. for single set of one squatting plate urinal	each	190.00
1541	Flush pipe and spreaders G.I. for range of two squatting plates urinal	each	275.00
1542	Flush pipe and spreaders G.I. for range of three squatting plates urinal	each	310.00
1543	Flush pipe and spreaders G.I. for range of four squatting plates urinal	each	450.00
1545	G.I. pipes 15 mm dia	metre	95.00
1546	G.I. pipes 20 mm dia	metre	130.00
1547	G.I. pipes 25 mm dia	metre	196.00
1548	G.I. pipes 32 mm dia	metre	225.00
1549	G.I. pipes 40 mm dia	metre	290.00
1550	G.I. pipes 50 mm dia	metre	360.00
1551	G.I. pipes 65 mm dia	metre	415.00
1552	G.I. pipes 80 mm dia	metre	525.00
1555	G.I. back (jam) nuts 25 mm dia	each	18.00
1559	G.I. back (jam) nuts 65 mm dia	each	25.00
1608	G.I. tees (equal) 25 mm	each	65.00
1612	G.I. tees (equal) 65 mm	each	452.00
1614	G.I. inlet connection	each	70.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
1616	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 75 mm dia	each	1050.00
1617	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 100 mm dia	each	1135.00
1618	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 150 mm dia	each	1750.00
1620	S.C.I. plain bend 75 mm dia	each	210.00
1621	S.C.I. plain bend 100 mm dia	each	280.00
1622	S.C.I. plain bend 150 mm dia	each	475.00
1624	S.C.I. bend with access door 75 mm dia	each	290.00
1625	S.C.I. bend with access door 100 mm dia	each	350.00
1627	S.C.I. plain single equal junctions 75x75x75 mm dia	each	315.00
1628	S.C.I. plain single equal junctions 100x100x100 mm dia	each	405.00
1630	S.C.I. single equal junctions 75x75x75 mm dia with access door	each	390.00
1631	S.C.I. single equal junctions 100x100x100 mm dia with access door	each	455.00
1633	S.C.I. plain double equal junctions 75x75x75x75 mm dia	each	410.00
1634	S.C.I. plain double equal junctions 100x100x100x100 mm dia	each	615.00
1636	S.C.I. double equal junctions 75x75x75x75 mm dia with access door	each	525.00
1637	S.C.I. double equal junctions 100x100x100x100 mm dia with access door	each	730.00
1639	Slotted cowl (terminal guard) 75 mm dia	each	215.00
1640	Slotted cowl (terminal guard) 100 mm dia	each	265.00
1641	G.I. Union 15 mm nominal bore	each	35.00
1642	G.I. Union 20 mm nominal bore	each	55.00
1643	G.I. Union 25 mm nominal bore	each	115.00
1644	G.I. Union 32 mm nominal bore	each	145.00
1645	G.I. Union 40 mm nominal bore	each	230.00
1646	G.I. Union 50 mm nominal bore	each	310.00
1647	G.I. Union 65 mm nominal bore	each	525.00
1648	G.I. Union 80 mm nominal bore	each	575.00
1649	Polyethylene water storage tank with cover and suitable locking arrangement	per litre	6.10
1653	Sand cast iron S&S plain single unequal junctions: 100x100x75 mm dia	each	525.00
1656	Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door	each	575.00
1659	Sand cast iron S&S plain double unequal junctions: 100x100x75x75 mm dia	each	625.00
1662	Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door	each	725.00
1666	Sand cast iron heel rest bend 75 mm dia	each	300.00
1667	Sand cast iron heel rest bend 100 mm dia	each	355.00
1669	S.C.I. single equal invert branch of required degree 75x75x75 mm dia	each	350.00
1670	S.C.I. single equal invert branch of required degree 100x100x100 mm dia	each	435.00
1672	S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia	each	425.00
1673	S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia	each	550.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
1674	S.C.I. single unequal invert branch of required degree 100x100x 75 mm dia	each	500.00
1677	S.C.I. double unequal invert branch of required degree 100x100x75x 75 mm dia	each	600.00
1682	S.C.I. door pieces 75 mm dia	each	285.00
1683	S.C.I. door pieces 100 mm dia	each	485.00
1685	S.C.I. collar 75 mm dia	each	180.00
1686	S.C.I. collar 100 mm dia	each	270.00
1687	Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore	each	30.00
1688	Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore	each	35.00
1689	Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore	each	35.00
1690	Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore	each	48.00
1693	S.C.I. hand pump	each	700.00
1700	R.C.C. pipes NP2 class 100 mm dia	metre	210.00
1701	R.C.C. pipes NP2 class 150 mm dia	metre	220.00
1702	R.C.C. pipes NP2 class 250 mm dia	metre	365.00
1703	R.C.C. pipes NP2 class 300 mm dia	metre	450.00
1704	R.C.C. pipes NP2 class 450 mm dia	metre	775.00
1705	R.C.C. pipes NP2 class 500 mm dia	metre	950.00
1706	R.C.C. pipes NP2 class 600 mm dia	metre	1150.00
1707	R.C.C. pipes NP2 class 700 mm dia	metre	1500.00
1709	R.C.C. pipes NP2 class 800 mm dia	metre	1825.00
1710	R.C.C. pipes NP2 class 900 mm dia	metre	2550.00
1711	R.C.C. pipes NP2 class 1000 mm dia	metre	2950.00
1712	R.C.C. pipes NP2 class 1100 mm dia	metre	3250.00
1713	R.C.C. pipes NP2 class 1200 mm dia	metre	3575.00
1714	R.C.C. collars NP2 class 100 mm dia	each	35.00
1715	R.C.C. collars NP2 class 150 mm dia	each	37.00
1716	R.C.C. collars NP2 class 250 mm dia	each	55.00
1717	R.C.C. collars NP2 class 300 mm dia	each	56.00
1718	R.C.C. collars NP2 class 450 mm dia	each	110.00
1719	R.C.C. collars NP2 class 500 mm dia	each	120.00
1720	R.C.C. collars NP2 class 600 mm dia	each	145.00
1721	R.C.C. collars NP2 class 700 mm dia	each	160.00
1723	R.C.C. collars NP2 class 800 mm dia	each	225.00
1724	R.C.C. collars NP2 class 900 mm dia	each	240.00
1725	R.C.C. collars NP2 class 1000 mm dia	each	295.00
1726	R.C.C. collars NP2 class 1100 mm dia	each	315.00
1727	R.C.C. collars NP2 class 1200 mm dia	each	375.00
1728	RCC pipe 450 mm dia NP-3 spigot	metre	1500.00
1729	RCC pipe 600 mm dia NP-3 spigot	metre	2000.00
1730	RCC pipe 900 mm dia NP-3 spigot	metre	3175.00
1731	RCC pipe 1000 mm dia NP-3 spigot	metre	3915.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
1732	RCC pipe 1200 mm dia NP-3 spigot	metre	5200.00
1733	RCC pipe 1800 mm dia NP-3 spigot	metre	9450.00
1734	RCC pipe 450 mm dia NP-4 spigot	metre	1750.00
1735	RCC pipe 600 mm dia NP-4 spigot	metre	2350.00
1736	RCC pipe 900 mm dia NP-4 spigot	metre	4500.00
1737	RCC pipe 1000 mm dia NP-4 spigot	metre	5570.00
1738	RCC pipe 1200 mm dia NP-4 spigot	metre	6510.00
1739	RCC pipe 1800 mm dia NP-4 spigot	metre	13650.00
1854	Stoneware pipes grade A (60 cm long) 100 mm dia	each	70.00
1855	Stoneware pipes grade A (60 cm long) 150 mm dia	each	125.00
1856	Stoneware pipes grade A (60 cm long) 200 mm dia	each	200.00
1857	Stoneware pipes grade A (60 cm long) 230 mm dia	each	300.00
1858	Stoneware pipes grade A (60 cm long) 250 mm dia	each	350.00
1859	Stoneware pipes grade A (60 cm long) 300 mm dia	each	525.00
1863	Fire clay kitchen sink: 600x450x250 mm	each	1300.00
1871	White vitreous china laboratory sink 450x300x150 mm	each	1500.00
1872	White vitreous china laboratory sink 600x450x200 mm	each	2500.00
1875	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	410.00
1876	Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	325.00
1878	Shower rose C.P. brass for 15 to 20 mm inlet 100 mm dia	each	110.00
1879	Shower rose C.P. brass for 15 to 20 mm inlet 150 mm dia	each	125.00
1880	Dismanteled P or S trap scrap (approx wt 2kg)	kg	25.00
1881	Spun yarn	kg	55.00
1882	Strainer brass 40 mm dia 1.5 metre long	each	625.00
1885	15 mm C.P. brass tap	each	270.00
1889	C.P. brass toilet paper holder of standard size	each	280.00
1890	Centrifugally SCI(spun) S & S P or S trap	each	325.00
1891	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	each	190.00
1893	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 80 mm dia	each	225.00
1895	C.P. brass trap 40 mm dia	each	315.00
1896	100 mm S.C.I. trap with vent heel	each	325.00
1897	100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet	each	300.00
1898	100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet	each	220.00
1900	S.W. gully trap P type 100x100 mm	each	115.00
1902	S.W. gully trap P type 150x100 mm	each	155.00
1904	S.W. gully trap P type 180x150 mm	each	230.00
1913	Vitreous china lipped front urinal	each	470.00
1915	Vitreous china squatting plate urinal	each	1053.00
1922	H.P. or L.P. ball valve with polythene floats: 15 mm dia	each	215.00
1923	H.P. or L.P. ball valve with polythene floats: 20 mm dia	each	240.00
1924	H.P. or L.P. ball valve with polythene floats: 25 mm dia	each	230.00
1926	20 mm dia Gunmetal gate valve with wheel	each	325.00
1927	Brass full way valve with C.I. wheel (screwed end) 25 mm dia	each	375.00
1928	Brass full way valve with C.I. wheel (screwed end) 32 mm dia	each	415.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
1929	Brass full way valve with C.I. wheel (screwed end) 40 mm dia	each	500.00
1930	Brass full way valve with C.I. wheel (screwed end) 50 mm dia	each	625.00
1931	Brass full way valve with C.I. wheel (screwed end) 65 mm dia	each	1080.00
1932	Brass full way valve with C.I. wheel (screwed end) 80 mm dia	each	1625.00
1933	Gunmetal non-return valve-horizontal (screwed end) 25 mm dia	each	350.00
1934	Gunmetal non-return valve-horizontal (screwed end) 32 mm dia	each	475.00
1935	Gunmetal non-return valve-horizontal (screwed end) 40 mm dia	each	575.00
1936	Gunmetal non-return valve-horizontal (screwed end) 50 mm dia	each	840.00
1937	Gunmetal non-return valve-horizontal (screwed end) 65 mm dia	each	1525.00
1938	Gunmetal non-return valve-horizontal (screwed end) 80 mm dia	each	2300.00
1940	C.I. sluice valve (with caps) class I: 100 mm dia	each	2450.00
1941	C.I. sluice valve (with caps) class I : 125 mm dia	each	2610.00
1942	C.I. sluice valve (with caps) class I: 150 mm dia	each	3650.00
1943	C.I. sluice valve (with caps) class I : 200 mm dia	each	7600.00
1944	C.I. sluice valve (with caps) class I : 250 mm dia	each	10980.00
1945	C.I. sluice valve (with caps) class I: 300 mm dia	each	15500.00
1947	Vitreous china flat back wash basin 630x450 mm	each	725.00
1949	Vitreous china angle back wash basin 600x480 mm	each	725.00
1950	Vitreous china angle back wash basin 400x400 mm	each	425.00
1951	C.P. brass waste 32 mm	each	85.00
1952	C.P. brass waste 40 mm	each	100.00
1953	Vitreous china Indian type W.C. pan of size 580 mm	each	475.00
1954	Vitreous china orrisa type W.C. pan of size 580 mm	each	1290.00
1955	Vitreous china pedestal type water closet	each	1025.00
1956	Bolts and nuts 16 mm dia 60 mm long	each	11.50
1957	Bolts and nuts 16 mm dia 65 mm long	each	13.00
1958	Bolts and nuts 20 mm dia 65 mm long	each	15.00
1959	Bolts and nuts 20 mm dia 70 mm long	each	17.50
1960	Bolts and nuts 20 mm dia 75 mm long	each	17.00
1961	Bolts and nuts 20 mm dia 80 mm long	each	17.00
1962	Bolts and nuts 24 mm dia 85 mm long	each	27.00
1963	Bolts and nuts 24 mm dia 90 mm long	each	31.00
1964	Bolts and nuts 27 mm dia 100 mm long	each	37.00
1965	White vitreous china dual purpose closet (Anglo Indian W.C.) suitable for use as squatting pan or European type water closet as per manufacturer's specifications	each	2500.00
1966	Floor mounted white vitreous china double trap siphonic WC with 10 litre cistern and all fittings & fixtures, seat cover etc	each	9800.00
1970	Vitreous china foot rests 250x125x25 mm	pair	103.00
1980	Fly ash	cum	11.00
1984	Common burnt clay F.P.S. bricks tile class designation 10	1000 Nos	4600.00
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	5200.00
2200	Carriage of Steam coal	tonne	187.35
2201	Carriage of Bricks	1000 Nos	437.15
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	163.93
2203	Carriage of Coarse sand	cum	163.93

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
			₹
2204	Carriage of Timber	cum	187.35
2205	Carriage of Steel	tonne	145.72
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	178.19
2207	Carriage of Brick tiles	1000 Nos	262.29
2208	Carriage of Lime	cum	163.93
2209	Carriage of Cement	tonne	145.72
2211	Carriage of Tar / Bitumen	tonne	163.93
2215	Carriage of Soling stone & masonry stone	cum	192.86
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	145.72
2224	Carriage of S.W. pipes 100 mm dia	100 metre	218.58
2225	Carriage of S.W. pipes 150 mm dia	100 metre	437.15
2226	Carriage of S.W. pipes 200 mm dia	100 metre	728.59
2228	Carriage of S.W. pipes 250 mm dia	100 metre	1249.01
2229	Carriage of S.W. pipes 300 mm dia	100 metre	1561.26
2241	Carriage of Good earth	cum	204.92
2242	Carriage of Dump manure by mechanical transport upto 5 km lead	cum	178.19
2260	Carriage of Brick aggregate	cum	178.19
2261	Carriage of Fine sand (1 part of badarpur sand: 2 parts jamuna sand)	cum	163.93
2262	Carriage of Flyash	cum	163.93
2264	Carriage of Rubbish	cum	163.93
2265	Carriage of Moorum	cum	163.93
2266	Carriage of Surkhi	cum	163.93
2267	Carriage of Stone dust	cum	163.93
2268	Carriage of Marble dust and/or marble chips	cum	163.93
2271	Carriage of G.I. pipes below 100 mm dia	tonne	145.72
2272	Carriage of Stainless Steel pipes below 100 mm dia	tonne	145.72
2273	Carriage of A.C.sheet and accessories	tonne	145.72
2275	Carriage of R.C.C. pipes 100 mm dia	100 metre	358.32
2281	Carriage of R.C.C. pipes 150 mm dia	100 metre	597.20
2287	Carriage of R.C.C. pipes 250 mm dia	100 metre	1380.48
2290	Carriage of R.C.C. pipes 300 mm dia	100 metre	1706.30
2299	Carriage of R.C.C. pipes 450 & 500 mm dia	100 metre	3981.36
2302	Carriage of G.I. sheet and accessories	tonne	145.72
2303	Carriage of R.C.C. pipes 600,700,750 & 800 mm dia	100 metre	5972.04
2308	Carriage of Plaster of paris	tonne	145.72
2309	Carriage of Cast Iron fittings	tonne	145.72
2311	Carriage of Red bajri	cum	163.93
2314	Carriage of Barbed wire	tonne	145.72
2317	Carriage of Sludge	cum	178.19
2319	Carriage of Spun iron S & S pipes 100 mm dia	100 metre	358.32
2320	Carriage of Spun iron S & S pipes 125 mm dia	100 metre	478.64
2321	Carriage of Spun iron S & S pipes 150 mm dia	100 metre	597.20
2322	Carriage of Spun iron S & S pipes 200 mm dia	100 metre	971.45
2323	Carriage of Spun iron S & S pipes 250 mm dia	100 metre	1380.48
2324	Carriage of Spun iron S & S pipes 300 mm dia	100 metre	1706.30
2325	Carriage of Spun iron S & S pipes 350 mm dia	100 metre	2388.82

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
2326	Carriage of Spun iron S & S pipes 400 mm dia	100 metre	3257.48
2327	Carriage of Spun iron S & S pipes 450 mm dia	100 metre	3981.36
2328	Carriage of Spun iron S & S pipes 500 mm dia	100 metre	3981.36
2329	Carriage of Spun iron S & S pipes 600mm dia	100 metre	5972.04
2330	Carriage of C.I. pipes 500 mm dia	100 metre	3981.36
2331	Carriage of R.C.C. pipes 900 mm dia	100 metre	8958.06
2332	Carriage of R.C.C. pipes 1000 mm dia	100 metre	11944.08
2333	Carriage of R.C.C. pipes 1100 mm dia	100 metre	11944.08
2334	Carriage of R.C.C. pipes 1200 mm dia	100 metre	11944.08
2335	Carriage of sand	cum	163.93
2336	Carriage of R.C.C. pipe above 1200 mm dia and upto 1800 mm dia	100 metre	11944.08
2341	Carriage of Pig lead	tonne	145.72
2342	Carriage of Solvent / Diesel.	quintal	16.39
2343	Carriage of Ductile Iron pipes (k7) 100 mm dia	100 metre	358.32
2344	Carriage of Cast iron pipes 150 mm dia	100 metre	597.20
2345	Carriage of Cast iron pipes 200 mm dia	100 metre	971.45
2346	Carriage of Cast iron pipes 250 mm dia	100 metre	1380.48
2347	Carriage of Cast iron pipes 300 mm dia	100 metre	1706.30
2348	Carriage of Cast iron pipes 350 mm dia	100 metre	2388.82
2349	Carriage of Cast iron pipes 400 mm dia	100 metre	3257.48
2350	Carriage of Cast iron pipes 450 mm dia	100 metre	3981.36
2351	Carriage of Cast iron pipes 500 mm dia	100 metre	3981.36
2352	Carriage of Cast iron pipes 600 mm dia	100 metre	5972.04
2353	Carriage of Cast iron pipes 700 mm dia	100 metre	5972.04
2355	Carriage of Cast iron pipes 800 mm dia	100 metre	5972.04
2356	Carriage of Cast iron pipes 900 mm dia	100 metre	8958.06
2357	Carriage of Cast iron pipes 1000 mm dia	100 metre	11944.08
2358	Carriage of Bamboo Mat corrugated sheets and accessories	tonne	17700.00
2391	Strips-Aluminium fluted 3.15 mm thick and 150 mm wide	metre	286.00
2392	Strips Aluminium fluted 3.15 mm thick and 200 mm wide	metre	381.00
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	286.00
2394	Coupler 16 mm dia	each	31.00
2395	Coupler 20 mm dia	each	41.00
2396	Coupler 25 mm dia	each	72.00
2397	Coupler 28 mm dia	each	83.00
2398	Coupler 32 mm dia	each	114.00
2399	Complete Roof Joint of 100 mm	metre	2912.00
2400	Complete Roof Joint of 150 mm	metre	3328.00
2401	Complete Roof Joint of 200 mm	metre	4160.00
2402	Epoxy adhesive	kg	156.00
2403	Floor Joint of 100 mm	metre	3193.00
2404	Floor Joint of 150 mm	metre	4120.00
2405	Floor Joint of 200 mm	metre	5562.00
2406	Float glass panes of nominal thickness 4 mm (weight not less than 10 kg/sqm)	sqm	309.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
2407	Float glass panes of nominal thickness 5 mm (weight not less than 12.50 kg/sqm)	sqm	515.00
2408	Float glass panes of nominal thickness 8 mm (weight not less than 20.00 kg/sqm)	sqm	628.00
2409	Wall Joint of 100 mm	metre	2472.00
2410	Wall Joint of 150 mm	metre	2884.00
2411	Wall Joint of 200 mm	metre	3468.00
2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	306.00
2413	12 mm commercial ply	sqm	510.00
2414	18 mm thick block board with commercial ply veneering on both side	sqm	775.00
2415	21mm thick clear toughened Laminated glass for fins with holes	sqm	6120.00
2447	Hollock ballies 125 mm diameter	metre	36.00
2449	Oxidised mild steel pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	62.00
2451	Brass cupboard lock 6 levers of approved quality, 40 mm size	each	57.00
2452	Brass cupboard lock 6 levers of approved quality, 50 mm size	each	88.00
2453	Brass cupboard lock 6 levers of approved quality, 65 mm size	each	93.00
2454	Brass cupboard lock 6 levers of approved quality, 75 mm size	each	108.00
2455	Brass hanging type door stopper 150 mm	each	77.00
2456	Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete	each	686.00
2459	Anodised Aluminium hanging type door stopper	each	20.00
2464	Anodised Aluminium pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	48.00
2465	Anodised Aluminium Casement stay 250 mm	each	33.00
2466	Hollock wood in scantling	10 cudm	357.00
2467	Chromium plated Brass pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	172.00
2468	Nickled Chromium Brass cupboard lock 40 mm size	each	63.00
2469	Nickled Chromium Brass cupboard lock 50 mm size	each	73.00
2470	Nickled Chromium Brass cupboard lock 65 mm size	each	99.00
2471	Nickled Chromium Brass cupboard lock 75 mm size	each	125.00
2480	Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	884.00
2481	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	905.00
2483	Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	1010.00
2484	Pre-laminated with decorative lamination on both side exterior Grade-I MDF Board 12 mm thick confirming to IS:14587	sqm	469.00
2485	Pre-laminated with decorative lamination on both side exterior Grade-I MDF Board 18 mm thick confirming to IS:14587	sqm	609.00
2486	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 25 mm thick confirming to IS: 14587	sqm	877.00
2487	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 12 mm thick confirming to IS:14587	sqm	439.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
2488	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 18 mm thick confirming to IS:14587	sqm	582.00
2489	PVC edge bending tape 2.00 mm thick	metre	21.00
2491	Pre laminated both side solid foam uPVC profile (45x20mm)	metre	134.00
2492	Solid foam uPVC sheet 20mm thick pre laminated on both side	sqm	2153.00
2493	PVC edge beading	metre	32.00
2494	Expandable fastner with plastic sleeve	each	6.00
2495	18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008	sqm	650.00
2496	6mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008	sqm	455.60
2497	19mm thick prelaminated ply	sqm	1500.00
2498	19mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710	sqm	1450.00
2500	Extra for selected planks of second class deodar wood	10 cumd m	113.00
2504	Kiln seasoning of timber	cum	772.00
2505	Hollock wood in planks	10 cumd m	402.00
2506	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10mm x 60 mm	10 Nos	270.00
2507	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10mm x 80 mm	10 Nos	312.00
2508	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 120 mm	10 Nos	380.00
2509	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10mm x 140 mm	10 Nos	468.00
2510	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10mm x 160 mm	10 Nos	598.00
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	4590.00
2603	Common burnt clay F.P.S. (non modular) bricks class designation 5.0	1000 Nos	4080.00
2604	Weather/structural non sag elastomeric PU sealant (600ml Sausage) for joints in RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum/ Aluminium work complying to ASTM C920, DIN 18540-F & ISO 11600 incl all taxes	each	543.00
2605	Structural sealant - 6 mm x 12 mm	metre	31.00
2606	Spacer tape 6.4 mm thick x 6 mm wide	metre	21.00
2607	Weather Sealant - Non Staining (600 ml)	each	332.00
2608	Weather Sealant - Normal (300 ml)	each	102.00
2609	MS Brackets/Aluminium Alloy Brackets	kg	104.00
2610	Silicon Gasket in Kg (Above 50 g / m)	kg	484.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	156.00
2612	Anchor Fastner - M10	each	11.00
2613	SS Bolt with washer of different sizes for structural glazing / ACP Cladding	each	37.00
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	4.00
2615	Protective Tape	metre	22.00
2616	GI flashing - 1.2 mm Thick	kg	61.00
2617	6 mm thick High performance glass	sqm	1030.00
2618	6 mm thick clear heat strengthened glass	sqm	670.00
2619	6 mm thick clear heat strengthened glass	each	132.00
2620	ARMS GS HD - Top Hung -20"- Type P- Couple	pair	1390.00
2621	Connection Block for vision glass panel	each	36.00
2622	Curtain wall striker for vision glass panel	each	87.00
2623	Adjustable Fastening Pawl for vision glass panel	each	36.00
2624	Corner drive for vision glass panel	each	260.00
2625	Top wedge Block for vision glass panel	each	122.00
2626	Glass wool of denisity @ 48 Kg / cum with black glass tissue (BGT)	sqm	255.00
2627	SS Screws - # 8 x 19	each	7.00
2628	Weather Sealant - DC 789	cartridge	125.00
2629	Cement Board	sqm	245.00
2630	Baker rod	metre	6.00
2631	4 mm thick ACP	sqm	1100.00
2632	Fire Stop	metre	480.00
2634	GI/Aluminium Sheet (0.8 mm thick)	kg	55.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section	each	3.15
2636	GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section	each	3.10
2637	Vapour barrier	sqm	180.00
2640	Glass panes of required thickness having 120 minutes of fire resistance both integrity and radiation control (EI 120) and minimum 20 minutes of insulation (EI 20)	sqm	25500.00
2641	G.I U beading of 1.6 mm thick G.I sheet with ceramic tape.	metre	250.00
2642	Ceramic tape 5 x20 mm size	metre	400.00
2704	Aluminium Strip 40 mm wide and 2 mm thick	kg	240.00
2708	Truf Paver (500 x 500 x 40 mm)	sqm	510.00
2709	Ceremic Tiles Pieces for Crazy Flooring	quintal	145.00
2710	White marble makrana second quality plain veined stone pieces for crazy flooring	quintal	160.00
2711	FS800H Grade Flooring Panel (Size 600 mm x600 mm x32 mm)	each	740.00
2712	Zinc Electroplated Pedestals - 300 mm	each	145.00
2713	Zinc Electroplated Pedestals - 450 mm	each	210.00
2714	Zinc Electroplated Tube Stinger	each	70.00
2715	Machine Screw for Fixing	each	3.00
2750	8 mm thick granite stone tiles (mirror polished of all shades)	sqm	690.00
2751	8 mm thick marble tiles (polished) Raj Nagar	sqm	400.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
2752	Double charge vitrified tile polished finish of size 60 x 60 cm	sqm	460.00
2753	Double charge vitrified tile polished finish of size 80 x 80 cm	sqm	525.00
2754	Double charge vitrified tile polished finish of size 60 x 120 cm	sqm	550.00
2755	Double charge vitrified tile polished finish of size 80 x 160 cm	sqm	750.00
2756	Double charge vitrified tile polished finish of size 100 x 100 cm	sqm	700.00
2757	Glazed vitrified tiles polished finish of size 60 x 60 cm	sqm	500.00
2758	Glazed vitrified tiles polished finish of size 60 x 120 cm	sqm	700.00
2759	Glazed vitrified tiles polished finish of size 80 x 80 cm	sqm	650.00
2760	Glazed vitrified tiles polished finish of size 80 x 120 cm	sqm	880.00
2761	Glazed vitrified tiles polished finish of size 120 x 120 cm	sqm	1200.00
2762	Glazed Vitrified tiles Matt/Antiskid finish of size 60 x 60 cm	sqm	480.00
2763	Glazed Vitrified tiles Matt/Antiskid finish of size 60 x 120 cm	sqm	700.00
2764	Glazed Vitrified tiles Matt/Antiskid finish of size 80 x 80 cm	sqm	650.00
2765	Glazed Vitrified tiles Matt/Antiskid finish of size 80 x 120 cm	sqm	880.00
2766	Glazed Vitrified tiles Matt/Antiskid finish of size 120 x 120 cm	sqm	1400.00
2901	Stone Aggregate (Single size): 100 mm nominal size	cum	1360.00
2902	Stone Aggregate (Single size): 80 mm nominal size	cum	1360.00
2903	Stone chippings/ screenings 4.75 mm nominal size	cum	1400.00
2904	Stone chippings/ screenings 150 micron nominal size	cum	1400.00
2908	Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size	cum	550.00
2909	Over burnt (Jhama) Brick Aggregate: 90 mm to 40 mm size	cum	600.00
2910	Stone chippings/ screenings 12.5/ 13.2 mm nominal size	cum	1200.00
2911	Stone chippings/ screenings 10/ 11.2 mm nominal size	cum	1200.00
2914	Solvent	kg	30.00
2916	Paving Asphalt VG 10 of approved quality	tonne	24500.00
3002	Polyvinyl chloride sheet 400 micron thick	sqm	45.00
3004	Stone ware spouts 100 mm dia 60 cm long	each	45.00
3050	Galvanised steel corrugated sheets	quintal	6000.00
3051	Aluminium troughed profile sheet 0.56mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm)	sqm	549.00
3052	Aluminium troughed profile sheet 0.71mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm	sqm	698.00
3053	Aluminium troughed profile sheet 0.91mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm	sqm	895.00
3054	Aluminium profile sheet 0.56mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	730.00
3055	Aluminium profile sheet 0.71mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	924.00
3056	Aluminium profile sheet 0.91mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	1182.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
3057	Aluminium Circular(sinusoidal) profile sheet 0.56mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm, cover width 1150mm	sqm	520.00
3058	Aluminium Circular(sinusoidal) profile sheet 0.71mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm, cover width 1150mm	sqm	670.00
3059	Aluminium Circular(sinusoidal) profile sheet 0.91mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm, cover width 1150mm	sqm	870.00
3060	Precoated Aluminium troughed profile sheet 0.56mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width 1092 mm, cover width 1000mm	sqm	636.00
3061	Precoated Aluminium troughed profile sheet 0.71mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width 1092 mm, cover width 1000mm	sqm	809.00
3062	Precoated Aluminium troughed profile sheet 0.91mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width 1092 mm, cover width 1000mm	sqm	1038.00
3063	Aluminium color coated profile sheet 0.56mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	846.00
3064	Aluminium color coated profile sheet 0.71mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	1071.00
3065	Aluminium color coated profile sheet 0.91mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	1370.00
3066	Aluminium profile sheet 0.56mm thick with center to center pitch of 177.5 mm, depth of 28.5 mm, 987mm overall profile width, cover width 900mm	sqm	680.00
3067	Aluminium profile sheet 0.71mm thick with center to center pitch of 177.5 mm, depth of 28.5 mm, 987mm overall profile width, cover width 900mm	sqm	872.00
3068	Precoated/Mill finish Aluminium plain ridges 0.71 mm TCT/plain and 500- 600 mm wide	metre	564.00
3069	Precoated/Mill finish Aluminium flashings/aprons 0.50mm TCT/plain and wide upto 600 mm	metre	544.00
3070	Precoated/Mill finish Aluminium plain north light cuves	metre	584.00
3071	Precoated/mill finish aluminium Barge board (Upto 200 mm)	metre	487.00
3072	Precoated/Mill finish Aluminium crimp curve	sqm	538.00
3073	Precoated/Mill finish Aluminium gutter	metre	725.00
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	500.00
3075	EPDM washer	100 Nos	40.00
3076	Stainless steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	40.00
3080	Gunmetal non-return valve - vertical (screwed end) 25 mm dia	each	400.00
3084	Gunmetal non-return valve - vertical (screwed end) 32 mm dia	each	550.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
3088	Gunmetal non-return valve - vertical (screwed end) 40 mm dia	each	750.00
3092	Gunmetal non-return valve - vertical (screwed end) 50 mm dia	each	950.00
3096	Gunmetal non-return valve - vertical (screwed end) 65 mm dia	each	1550.00
3213	Vitreous china Surgeon type wash basin of size 660x460 mm	each	1100.00
3228	600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size	each	300.00
3229	Vitreous china flat back wash basin 550x400 mm	each	550.00
3300	Gunmetal non-return valve - vertical (screwed end) 80 mm dia	each	2600.00
3311	C.I. sluice valve (with caps) class II : 100 mm dia	each	2700.00
3314	C.I. sluice valve (with caps) class II : 125 mm dia	each	3300.00
3317	C.I. sluice valve (with caps) class II : 150 mm dia	each	4100.00
3320	C.I. sluice valve (with caps) class II : 200 mm dia	each	8900.00
3321	C.I. sluice valve (with caps) class II : 250 mm dia	each	15000.00
3326	C.I. sluice valve (with caps) class II : 300 mm dia	each	18500.00
3327	15 mm Battery Based Sensor Pillar Cock	each	6000.00
3617	C.P. Brass union 40mm dia	each	210.00
3620	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long: 100 mm dia	each	1170.00
3621	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long: 75 mm dia	each	1150.00
3624	S.C.I. S&S bends with access door 100 mm dia	each	400.00
3625	S.C.I. S&S bends with access door 75 mm dia	each	300.00
3628	S.C.I. S&S bend 100 mm dia	each	300.00
3629	S.C.I. S&S bend 75 mm dia	each	200.00
3634	S.C.I. S&S heel rest sanitary bend 100 mm dia	each	300.00
3635	S.C.I. S&S heel rest sanitary bend 75 mm dia	each	280.00
3640	S.C.I. S&S single equal junctions 100x100x100 mm	each	500.00
3641	S.C.I. S&S single equal junctions 75x75x75 mm	each	350.00
3644	S.C.I. S&S single equal junctions with access door 100x100x 100 mm	each	500.00
3645	S.C.I. S&S single equal junctions with access door 75x75x75 mm	each	390.00
3650	S.C.I. S&S double equal junctions 100x100x100x100 mm	each	630.00
3651	S.C.I. S&S double equal junctions 75x75x75x75 mm	each	470.00
3654	S.C.I. S&S double equal junctions with access door 100x100x100x 100 mm	each	630.00
3655	S.C.I. S&S double equal junctions with access door 75x75x75x75 mm	each	500.00
3660	S.C.I. S&S single unequal junctions 100x100x75 mm	each	600.00
3664	S.C.I. S&S single unequal junctions with access door 100x100x75 mm	each	650.00
3670	S.C.I. S&S double unequal junctions 100x100x75x75 mm	each	800.00
3674	S.C.I. S&S double unequal junctions with access door 100x100x75x 75 mm	each	900.00
3681	S.C.I. S&S single equal invert branch of required degree 100x100x 100 mm dia	each	430.00
3682	S.C.I. S&S single equal invert branch of required degree 75x75x 75 mm dia	each	330.00
3685	S.C.I. S&S double equal invert branch of required degree 100x100x100x 100 mm dia	each	540.00
3686	S.C.I. S&S double equal invert branch of required degree 75x75x75x 75 mm dia	each	450.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
3690	S.C.I. S&S single unequal invert branch of required degree 100x100x 75 mm dia	each	550.00
3695	S.C.I. S&S double unequal invert branch of required degree 100x100x 75x75 mm dia	each	730.00
3699	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	230.00
3707	S.C.I. S&S, 150 mm offset for 75 mm dia pipe	each	300.00
3708	S.C.I. S&S, 150 mm offset for 100 mm dia pipe	each	400.00
3712	S.C.I. S&S, 114 mm offset for 75 mm dia pipe	each	310.00
3713	S.C.I. S&S, 114 mm offset for 100 mm dia pipe	each	390.00
3716	S.C.I. S&S, 152 mm offset for 75 mm dia pipe	each	360.00
3717	S.C.I. S&S, 152 mm offset for 100 mm dia pipe	each	460.00
3728	S.C.I. S&S door pieces 100 mm dia	each	410.00
3729	S.C.I. S&S door pieces 75 mm dia	each	300.00
3733	S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm	each	300.00
3734	S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm	each	210.00
3738	S.C.I. S&S, collars 100 mm	each	300.00
3739	S.C.I. S&S, collars 75 mm	each	180.00
3746	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	220.00
3747	S.C.I. S&S, 75 mm offset for 100 mm dia pipe	each	360.00
3749	Vitreous china toilet paper holder of standard size	each	110.00
3860	560 mm dia cover with frame (Heavy duty)	each	9100.00
3861	560 mm dia cover without frame (Heavy duty)	each	5100.00
3862	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 15 mm outer dia	metre	310.00
3863	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 22 mm outer dia	metre	500.00
3864	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 28 mm outer dia	metre	650.00
3865	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 35 mm outer dia	metre	945.00
3866	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 42 mm outer dia	metre	1160.00
3867	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 54 mm outer dia	metre	1500.00
3868	Coupling/Socket fittings for 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	215.00
3869	Coupling/Socket fittings for 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	270.00
3870	Coupling/Socket fittings for 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	315.00
3871	Coupling/Socket fittings for 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	395.00
3872	Coupling/Socket fittings for 42 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	535.00
3873	Coupling/Socket fittings for 54 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	640.00
3874	Reducer for 22 mm X 15 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	255.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
3875	Reducer for 28 mm X 15 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	310.00
3876	Reducer for 28 mm X 22 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	375.00
3877	Reducer for 35 mm X 22 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	380.00
3878	Reducer for 35 mm X 28 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	470.00
3879	Reducer for 42 mm X 22 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	605.00
3880	Reducer for 42 mm X 28 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	690.00
3881	Reducer for 42 mm X 35 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	720.00
3882	Reducer for 54 mm X 28 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	835.00
3883	Reducer for 54 mm X 35 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	990.00
3884	Reducer for 54 mm X 42 mm outer Dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1030.00
3885	Sleeve/Slip Coupling / Socket 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	375.00
3886	Sleeve/Slip Coupling / Socket 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	450.00
3887	Sleeve/Slip Coupling / Socket 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	520.00
3888	Sleeve/Slip Coupling / Socket 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	580.00
3889	Sleeve/Slip Coupling / Socket 42 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	670.00
3890	Sleeve/Slip Coupling / Socket 54 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	955.00
3891	Elbow 90° for 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	305.00
3892	Elbow 90° for 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	430.00
3893	Elbow 90° for 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	575.00
3894	Elbow 90° for 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	940.00
3895	Elbow 90° for 42 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1520.00
3896	Elbow 90° for 54 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2010.00
3897	Equal Tee for 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	500.00
3898	Equal Tee for 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	585.00
3899	Equal Tee for 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	720.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
3900	Equal Tee for 35 mm outer dia SS pipe of grade 316L as per IS 6911: 2017 and conforming to EN-10312 standard	each	895.00
3901	Equal Tee for 42 mm outer dia SS pipe of grade 316L as per IS 6911: 2017 and conforming to EN-10312 standard	each	1250.00
3902	Equal Tee for 54 mm outer dia SS pipe of grade 316L as per IS 6911: 2017 and conforming to EN-10312 standard	each	1500.00
3903	Reducing Tee for 22 mm X 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	575.00
3904	Reducing Tee for 28 mm X 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	715.00
3905	Reducing Tee for 28 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	710.00
3906	Reducing Tee for 35 mm X 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	900.00
3907	Reducing Tee for 35 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	905.00
3908	Reducing Tee for 35 mm X 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	915.00
3909	Reducing Tee for 42 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1280.00
3910	Reducing Tee for 42 mm X 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1265.00
3911	Reducing Tee for 42 mm X 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1290.00
3912	Reducing Tee for 54 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1500.00
3913	Reducing Tee for 54 mm X 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1540.00
3914	Reducing Tee for 54 mm X 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1550.00
3915	Reducing Tee for 54 mm X 42 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1570.00
3916	Stainless steel Female thread Tee for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	560.00
3917	Stainless steel Female thread Tee for 22 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	615.00
3918	Stainless steel Female thread Tee for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	690.00
3919	Stainless steel Female thread Tee for 28 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	730.00
3920	Stainless steel Female thread Tee for 28 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	755.00
3921	Stainless steel Female thread Tee for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	840.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
3922	Stainless steel Female thread Tee for 35 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	845.00
3923	Stainless steel Female thread Tee for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1159.00
3924	Stainless steel Female thread Tee for 42 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1346.00
3925	Stainless steel Female thread Tee for 54 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1920.00
3926	Stainless steel Female thread Tee for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2307.00
3927	Stainless steel Female threaded Connector/Adapter for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	440.00
3928	Stainless steel Female threaded Connector/Adapter for 22 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	495.00
3929	Stainless steel Female threaded Connector/Adapter for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	580.00
3930	Stainless steel Female threaded Connector/Adapter for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	955.00
3931	Stainless steel Female threaded Connector/Adapter for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1020.00
3932	Stainless steel Female threaded Connector/Adapter for 42 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1565.00
3933	Stainless steel Female threaded Connector/Adapter for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2400.00
3934	Stainless steel Male threaded Connector/ Adapter for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	405.00
3935	Stainless steel Male threaded Connector/ Adapter for 22 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	480.00
3936	Stainless steel Male threaded Connector/ Adapter for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	505.00
3937	Stainless steel Male threaded Connector/ Adapter for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	665.00
3938	Stainless steel Male threaded Connector/ Adapter for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	970.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
3939	Stainless steel Male threaded Connector/ Adapter for 42 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1415.00
3940	Stainless steel Male threaded Connector/ Adapter for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1895.00
	Female Threaded Elbow 90°		
3941	SS Female Threaded Elbow 90° for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	640.00
3942	SS Female Threaded Elbow 90° for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	860.00
3943	SS Female Threaded Elbow 90° for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1180.00
3944	SS Female Threaded Elbow 90° for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1917.00
3945	SS Female Threaded Elbow 90° for 42 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2088.00
3946	SS Female Threaded Elbow 90° for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	3227.00
3947	SS Male Threaded Elbow 90° for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	525.00
3948	SS Male Threaded Elbow 90° for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	790.00
3949	SS Male Threaded Elbow 90° for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1045.00
3950	SS Male Threaded Elbow 90° for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1440.00
3951	SS Male Threaded Elbow 90° for 42 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2635.00
3952	SS Male Threaded Elbow 90° for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2998.00
3953	Stainless steel Cap for 15 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	320.00
3954	Stainless steel Cap for 22 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	415.00
3955	Stainless steel Cap for 28 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	515.00
3956	Stainless steel Cap for 35 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	720.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
3957	Stainless steel Cap for 42 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1565.00
3958	Stainless steel Cap for 54 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1720.00
3959	Stainless steel Pipe Bridge for 15 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	415.00
3960	Stainless steel Pipe Bridge for 22 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1110.00
3961	Stainless steel Pipe Bridge for 28 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1526.00
3962	SS Male Union for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	885.00
3963	SS Male Union for 22 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	895.00
3964	SS Male Union for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1025.00
3965	SS Male Union for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1805.00
3966	SS Male Union for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1885.00
3967	SS Male Union for 42 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2130.00
3968	SS Male Union for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	3680.00
3969	SS Female Union for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	950.00
3970	SS Female Union for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1280.00
3971	SS Female Transition Elbow/ FTE for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	649.00
3972	SS Female Transition Elbow/ FTE for 22 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	900.00
3973	SS Female Transition Elbow/ FTE for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	870.00
3991	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window/door frame, sash, mullion & small series sliding window frame	metre	70.00
3992	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window/door frame, sash, mullion, big & small series sliding window frame	metre	75.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash	metre	100.00
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window / door sash	metre	90.00
3995	G.I fasteners 100 x 8 mm	each	15.00
4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	230.00
4002	Stainless steel bolts/square bar and plates	kg	120.00
4006	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "B"	metre	200.00
4007	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "C"	metre	220.00
4008	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "E"	metre	250.00
4009	Mild steel tubes hot finished welded type	kg	60.00
4010	Mild steel tubes hot finished seamless type	kg	70.00
4011	Mild steel tubes electric resistant or induction butt welded	kg	50.00
4012	Circular C.I. Box for ceiling fan internal dia 140 mm, 73 mm height, top lid of 1.5mm thick MS sheet	each	55.00
4013	Pulley 40 mm dia	each	35.00
4201	Aluminium primer	litre	120.00
4202	Red oxide Zinc chromate primer	litre	120.00
4203	Copper acetate	kg	300.00
4204	Hydrochloric acid	kg	35.00
4205	Copper chloride	kg	300.00
4206	Copper nitrate	kg	210.00
4207	Ammonium chloride	kg	22.00
5001	Mobil oil	litre	318.00
5050	SS pipe 304 grades with press fit technology as per JIS 3448 Standard 48.60 mm outer dia	metre	680.00
5743	Coloured inter locking C.C. paver Block	sqm	500.00
5744	EPS blocks	kg	150.00
5745	GI woven mesh of aperture 5.45 mm (with wire of dia 0.90 mm)	kg	60.00
5746	SR adhesive for joining EPS blocks	kg	180.00
5747	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 45 x 70 mm	metre	375.00
5748	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 45 x 85 mm	metre	525.00
5749	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 50 x 100 mm	metre	540.00
5750	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 50 x 125 mm	metre	630.00
5751	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 65 x 100 mm	metre	650.00
5752	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 65 x 125 mm	metre	835.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
5753	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhats of frame size 65 x 150 mm	metre	1010.00
5754	Factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter 30mm thick	sqm	2800.00
5755	Factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter 35 mm thick	sqm	3250.00
5756	Factory made single extruded WPC (Wood Polymer Composite) solid plain white colored board of 18 mm thick	sqm	1750.00
5757	Factory made single extruded WPC (Wood Polymer Composite) solid plain white colored board of 25 mm thick	sqm	2360.00
5758	Factory made single extruded WPC (Wood Polymer Composite) solid plain white colored board of 6 mm thick	sqm	600.00
5759	Factory made single extruded WPC (Wood Polymer Composite) solid plain white colored board of 12 mm thick	sqm	1020.00
5760	Factory made 18 mm thick single extruded WPC (Wood Polymer Composite) solid plain white colour board Jali	sqm	2260.00
5761	PVC laminated foil of minimum thickness of 14 microns of approved design	sqm	125.00
5762	16mm thick extruded terracotta tiles of grey colour of size 300 x 595mm	sqm	2152.80
5763	16mm thick extruded terracotta tiles of other than grey colour of size 300 x 595mm	sqm	1991.30
5764	24mm thick extruded terracotta tiles of grey color of size 309x1190 mm and length 1190mm	sqm	2475.00
5765	24mm thick extruded terracotta tiles of grey color of size 309x1190 mm and length 1190mm	sqm	2260.00
5766	Melamine wood sealer	litre	190.00
5767	Melamine solvent/thinner	litre	120.00
5768	Sanding cloth 150 mm wide	metre	60.00
5769	Sandpapers of assorted gratings	Nos	22.00
5770	Melamine wood filler putty	kg	120.00
5771	Dhoti (worm out soft cotton cloth)	Nos	25.00
5772	Grease	kg	180.00
5773	Shutting oil	litre	90.00
5774	GP-2 cementitious compound	kg	20.00
5775	Galvanized MS L-shape level adjuster of size 76x25x25x1.6 mm	each	15.00
5776	12x50 mm long dash fastener	each	35.00
5777	Galvanized MS Z Cleat of size 25 x 37 x 25 x 1.6 mm with precut hole on both 25 mm flange	each	12.00
5778	15mm tegular/butt edged without perforation plain/designer light weight calcium silicate Anti-Microbial Bio-Safe coated false ceiling tiles of size 595x595 mm	sqm	830.00
5779	Grinding buffers	day	250.00
5780	4mm thick sheet of aluminium alloy grade 6061 (type-6) for aluminum formwork	kg	250.00
5781	Fabrication cost for formwork panels and special including computerised designing for fabrication and mock testing before transportation to site of work.	kg	35.00
5782	Packaging and carting of aluminium sheet/plate to the site of work	tonne	5000.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
5783	MS working platform for aluminium formwork	kg	46.00
6001	White marble slab Makrana second quality plain veined 18 mm thick	sqm	1450.00
6007	Pink marble slab plain 18 mm thick	sqm	685.00
6010	Udaypur green marble slab plain 18 mm thick	sqm	620.00
6019	Black Zebra marble slab plain 18 mm thick	sqm	1000.00
6501	Sand zone V (Jamuna)	cum	1300.00
7001	Brass 100mm mortice latch and lock with 6 levers without pair of handles	each	195.00
7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	each	215.00
7004	Vitreous china flat back wash basin 450x300 mm	each	280.00
7005	Vitreous china 10 litres low level cistern without fittings	each	700.00
7006	Vitreous china 10 litres low level cistern with fittings	each	1200.00
7008	F.P.S. (non modular) clay fly ash bricks class designation 7.5	1000 Nos	4500.00
7009	12.5 mm thick tapered edge plain gypsum plaster board confirming to IS 2095 (Part 1):2011	sqm	140.00
7010	Galvanised Steel ceiling section (size 80x26x0.50 mm)	metre	46.00
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50 mm)	metre	22.00
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90 mm)	metre	38.00
7013	Galvanised Steel angle hanger (Ceiling angle) (Size 25x10x0.50 mm)	metre	12.00
7014	Galvanised Steel connecting clips (2.64 mm dia and 230 mm long GI wire)	each	4.00
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60 mm)	each	3.00
7016	Joint filler	kg	24.00
7017	Joint finisher	kg	21.00
7018	Joint tape roll	roll	90.00
7019	Dash fastener / Chemical fastener	each	12.50
7020	All drive screws (for gypsum board)	100 Nos	58.00
7021	Primer (for gypsum board)	litre	70.00
7022	Chlorpyrifos 20% E.C. / Lindane 20% E.C.	litre	150.00
7023	Chromium plated brackets (curtain rods)	each	8.00
7024	Acid Proof cement	tonne	7800.00
7025	Self tapping pan head nickel coated mild steel screws of size 13 x 3.2 mm	1000 Nos	480.00
7026	Fibre joint tape 50 mm wide (90 metre) roll	each roll	150.00
7027	M.S. Butt hinges 125x90x4 mm	10 Nos	105.00
7028	12.5 mm thick Fully Perforated gypsum board	sqm	380.00
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	sqm	250.00
7031	12.5 mm thick tapered edge moisture resistant plain gypsum plaster board confirming to IS 2095 (Part 1):2011	sqm	250.00
7032	Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	420.00
7033	Nickel plated M.S. pipe 25 mm dia	metre	76.00
7034	Nickel plated M.S. pipe 20 mm dia	metre	72.00
7035	Nickel plated M.S. Brackets for curtain rod 20 mm	each	7.00
7036	Nickel plated M.S - Brackets for curtain rod 25 mm	each	8.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
7040	Oxidised mild steel screws 35 mm	100 Nos	48.00
7042	Mild steel conduit pipe (heavy type) ISI marked-20 mm dia	metre	42.00
7043	Mild steel conduit pipe (heavy type) ISI marked-25 mm dia	metre	54.00
7044	Rolling shutters of 80x0.90 mm laths	sqm	1300.00
7045	Rolling shutters of 80x1.2 mm laths	sqm	1375.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	450.00
7047	Top cover of Rolling shutters 1.20 mm thick	metre	560.00
7048	Rawl plug 50 mm (designation 10 nos)	each	22.00
7049	Teak wood lipping of size 25x3 mm in pelmets	metre	12.00
7050	PU Primer	sqm	50.00
7051	40 mm (average) PU spray having 40-45 kg/m3 density	sqm	350.00
7052	GI wire netting 3/4" x 24 G	sqm	26.00
7053	400 G polythene sheet	sqm	12.00
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	430.00
7056	Aluminium tee channel (heavy duty) with rollers and stop end	metre	100.00
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	40.00
7060	Hydraulic door closer tubular type Aluminium section body	each	560.00
7063	Oxidised M.S.casement stay (straight peg type) 300 mm not less than 0.33 kg	each	35.00
7064	Oxidised M.S.casement stay (straight peg type) 250 mm not less than 0.28 kg	each	30.00
7065	Oxidised M.S. casement stay (straight peg type) 200 mm not less than 0.24 kg	each	25.00
7068	Extra for providing grilled rolling shutters with 8 mm dia M.S. rod	sqm	500.00
7070	Chequered precast cement concrete tiles 22 mm thick using marble chips of size 6mm - Light shade using white cement	sqm	370.00
7071	White marble Raj Nagar plain 18 mm thick upto 0.50 sqm area	sqm	550.00
7072	Wall mounted water closet of size 780 x 370x690 mm	each	5500.00
7073	Adjustable Vitreous China Cistern with fittings of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litre)	each	1600.00
7074	White Vetrious China Waterless Urinal of size 600x330x315 mm	each	9000.00
7075	Cistern with fittings for Waterless Urinal	each	2200.00
7076	Battery based infrared sensor operated white Vitreous Urinal of aprox. size 610x390x370 mm	each	4500.00
7077	Acid and alkali resistant tiles 300x300 mm size, 10 mm thick	10 Nos	500.00
7087	S.C.I. Tee 150 mm	each	570.00
7090	Expanded polystyrene type N- Normal 50 mm thick	sqm	120.00
7091	Expanded polystyrene type - SE 50 mm thick	sqm	140.00
7095	Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 250 mm	each	3000.00
7096	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm	each	3500.00
7097	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 200 mm	each	3200.00
7098	Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 178 mm	each	3000.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
7101	Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm	each	2200.00
7102	Stainless steel kitchen sink - without drain board 610x460 mm bowl depth 200 mm	each	1500.00
7103	Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm	each	1200.00
7104	Coloured Orissa pattern W.C. pan 580x440 mm	each	1600.00
7105	Coloured Pedestal type W.C. pan 580x440 mm (European type)	each	850.00
7106	Coloured Vitreous china 10 lit. low level cistern	each	1000.00
7107	Coloured (other than black) solid P.V.C. seat in European W.C. pan	each	350.00
7112	Circular shape 450 mm dia Mirror with Plastic moulded frame	each	400.00
7113	Rectangular shape 453x357 mm Mirror with Plastic moulded frame	each	290.00
7114	Oval shape 450x350 mm (outer dimensions) Mirror with Plastic moulded frame	each	290.00
7115	Rectangular shape 1500x450 mm Mirror with Plastic moulded frame	each	670.00
7116	Hard board 6 mm thick	sqm	115.00
7117	Semi Rigid PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings	each	25.00
7118	Semi Rigid PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings	each	33.00
7119	Flexible (coil shaped) PVC waste pipe for sink and wash basin 32mm dia with length not less than 700 mm i/c PVC waste fittings	each	35.00
7120	Flexible (coil shaped) PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings	each	35.00
7121	Bottle Trap	each	620.00
7122	CP Brass Single lever telephonic wall mixer of approved make	each	4500.00
7123	Coloured High density polyethylene / poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings	each	550.00
7126	White Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	700.00
7127	Coloured Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	1150.00
7128	S.W. intercepting trap 100 mm dia	each	185.00
7129	S.W. intercepting trap 150 mm dia	each	240.00
7130	Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 2.5	each	675.00
7131	Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 2.5	each	575.00
7132	Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 2.5	each	575.00
7133	Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10	each	670.00
7134	Circular shape 500 mm dia precast R.C.C. manhole cover with frame- M.D.-10	each	575.00
7135	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20	each	880.00
7136	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - E.H.D. - 35	each	1170.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
7137	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of 12 mm thick plain type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	1620.00
7139	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of 12 mm thick both sides prelaminated type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	1720.00
7143	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of 12 mm thick one side prelaminated type-I, and other side balancing lamination, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	1910.00
7151	Factory made 30 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of sheet glass using 10 kg/ sqm glass panes	sqm	1620.00
7154	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm	sqm	1620.00
7155	Factory made 30 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm	sqm	1430.00
7157	Laminated veneer lumber confirming to TADS 15:1995 manufactured in factory in frames of doors, windows	10 cudm	700.00
7178	Chemical ASTMC-type I	kg	95.00
7181	C.I. pile shoe	kg	48.00
7182	M.S. clamps for pile shoe of 35 kg per pile	kg	43.00
7183	Bentonite of 35 kg per pile	tonne	2800.00
7184	Oxidised M.S. safety chain (weighing not less than 450 gms) for door	each	57.00
7187	C.I. grating 150 mm dia, weighing not less than 440 gm	each	27.00
7188	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 75 mm dia	metre	70.00
7189	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 110 mm dia	metre	130.00
7190	U-PVC pipes (working pressure 4 kg / cm ²) Rubber (Seal) Ring 75 mm dia	each	8.00
7191	U-PVC pipes (working pressure 4 kg / cm ²) Rubber (Seal) Ring 110 mm dia	each	11.00
7192	uPVC coupler for UPVC drainage pipes 75 mm	each	18.00
7193	uPVC coupler for UPVC drainage pipes 110 mm	each	39.00
7194	uPVC pushfit coupler (single) 75 mm thick	each	18.00
7195	uPVC pushfit coupler (single) 110 mm thick	each	32.00
7196	uPVC single equal Tee (without door) 75x75x75 mm	each	46.00
7197	uPVC single equal Tee (without door) 110x110x110 mm	each	81.00
7198	uPVC single equal Tee (with door) 75x75x75 mm	each	59.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
7199	uPVC single equal Tee (with door) 110x110x110 mm	each	92.00
7208	UPVC bend 87.5° 75 mm bend	each	35.00
7209	UPVC bend 87.5° 110 mm bend	each	59.00
7212	UPVC plain shoe 75 mm	each	27.00
7213	UPVC plain shoe 110 mm	each	47.00
7214	UPVC pipe clip 75 mm	each	15.00
7215	UPVC pipe clip 110 mm	each	14.00
7216	Self-Drilling/Self-Tapping Screws M-6 25mm long	each	3.00
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm/M-10x100mm	each	70.00
7218	MS Polymer Sealant Adhesive	litre	1200.00
7219	SS Double Clip at intermediate	each	7.00
7220	SS Single clip at top and bottom	each	4.00
7221	Self-Drilling/Self-Tapping Screws 5.5x25 mm long	each	3.00
7222	SS Anchor Fasteners (RCC / Brick) – M-8x100 mm	each	70.00
7224	Concrete hardener	kg	20.00
7225	Release agent	litre	200.00
7226	Sealer	kg	260.00
7227	PU resin top coat	kg	225.00
7231	Resin Bonded Glass wool 16 kg/m³ : 50 mm thick	sqm	90.00
7232	Resin Bonded Glass wool 24 kg/m³ : 50 mm thick	sqm	130.00
7233	Fibre glass tissue reinforcement Type II Grade i	sqm	75.00
7236	Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement	sqm	225.00
7237	Precast chequered cement tiles 22 mm thick medium shade using 50% white cement 50% ordinary cement	sqm	335.00
7238	High Albedo paint	kg	215.00
7239	Epoxy paint	litre	215.00
7240	Fire retardant paint	litre	240.00
7241	Melamine polish	litre	300.00
7244	Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick	sqm	1500.00
7245	Table rubbed polished stone 18mm thick (75x50cm) Granite stone-18 mm thick	sqm	1800.00
7246	Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification and up to 50 tonne capacity pile	per test	38500.00
7247	Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & above 50 tonne and up to 100 tonne	per test	43000.00
7248	Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & group of two or more up to 50 tonne	per test	49500.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
7249	Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Single pile up to 50 tonne capacity	per test	13800.00
7250	Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Single pile above 50 tonne capacity pile and up to 100 tonne capacity pile	per test	22800.00
7251	Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Group of two piles up to 50 tonne capacity each	per test	28500.00
7252	Lateral load testing of single pile in accordance with IS : 2911 part -IV for determining safe allowable lateral load on pile up to 50 tonne capacity	per test	13800.00
7253	Lateral load testing of single pile in accordance with IS : 2911 part -IV for determining safe allowable lateral load on pile above 50 tonne capacity	per test	23100.00
7254	Hardening compound	litre	36.00
7255	Road marking paint (spirit based)	litre	115.00
7256	Superior quality road marking paint (water based)	litre	130.00
7257	C.P. Brass bibcock 15 mm	each	300.00
7258	C.P. Brass long nose bibcock 15 mm	each	500.00
7259	C.P. Brass long body bibcock 15 mm	each	500.00
7260	C.P. Brass stop cock (concealed) 15 mm	each	420.00
7261	C.P. Brass angle valve 15 mm	each	350.00
7266	Pressed clay tiles 20mm thick 250x250 mm size	1000 Nos	8000.00
7267	Plain ceiling tiles (BWP type phenol formaldehyde synthetic resin bonded) (600x600x12 mm)	each	105.00
7268	Semi perforated ceiling tiles (600x600x12 mm)	each	100.00
7269	25 mm thick particle board	sqm	435.00
7270	30 mm thick prelaminated flush door shutter	sqm	860.00
7271	Second class teak wood lipping 25 mm wide x 12 mm thick	metre	28.00
7272	25 mm thick melamine faced prelaminated three layer particle board	sqm	900.00
7273	Resin Bonded Rockwool 48 kg/m3	sqm	110.00
7274	Glass wool 50 mm thick	sqm	200.00
7280	Waste plastic additive	tonne	38100.00
7281	Chemical ASTMC-type II	kg	155.00
7295	Granite of colour black, cherry/ruby red 18 mm thick (slab area upto 0.50 sqm)	sqm	1800.00
7296	Granite of colour black, cherry/ruby red 30 mm thick (slab area upto 0.50 sqm)	sqm	1900.00
7297	Granite of all colour except black, cherry/ruby red 18 mm thick (slab area upto 0.50 sqm)	sqm	1000.00
7298	Granite of colour black, cherry/ruby red 18 mm thick (slab area above 0.50 sqm)	sqm	2000.00
7299	Granite stone slab all colour except black, cherry/ruby red 18 mm thick (slab area above 0.50 sqm)	sqm	1200.00
7300	Granite of all colour except black, cherry/ruby red 30 mm thick (slab area above 0.50 sqm)	sqm	2100.00
7306	Aluminium T or L sections	kg	190.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
7307	For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering	sqm	305.00
7309	Paving Asphalt of grade VG-30 of approved quality	tonne	38150.00
7312	Expandable fastener with plastic sleeve and M.S. screws : 25 mm long	each	10.00
7313	Expandable fastener with plastic sleeve and M.S. screws : 32 mm long	each	10.00
7314	Expandable fastener with plastic sleeve and M.S. screws : 40 mm long	each	13.00
7315	Expandable fastener with plastic sleeve and M.S. screws. 50 mm long	each	14.00
7318	Plasticizer / super plasticizer	kg	29.00
7319	Wall form panel 1250x500 mm	each	860.00
7320	Tie bolt 12 mm dia 100 mm length	each	38.00
7321	Tie bolt 12 mm dia 150 mm length	each	48.00
7322	Tie bolt 20 mm dia 150 mm length	each	57.00
7323	Tie bolt 20 mm dia 225 mm length	each	67.00
7324	Spring coil 12 mm	each	15.00
7325	Plastic cone 12 mm dia	each	15.00
7326	Corner angle 45x45x5 mm 1.50 m long	each	240.00
7327	100 mm channel shoulder 2.5 m long	each	910.00
7328	Double clip (bridge clip)	each	76.00
7329	Single clip	each	59.00
7330	M.S. tube 40 mm dia	metre	215.00
7331	Wall form panel 1250x450 mm	each	860.00
7332	Corner angle 45x45x5 mm 2.50 m long	each	255.00
7333	Column clamp 450x1070 mm	each	965.00
7334	Prop 2 m (2-3.5 m)	each	635.00
7335	Binding wire	kg	46.00
7336	Lock Bar (E 250) - 10 thick MS Plate	kg	76.00
7338	Gun metal cramp	kg	315.00
7339	Stainless steel cramp	kg	290.00
7340	Stainless steel pin	kg	182.00
7342	Adjustable span ESO+SI (2.35-3.40)	each	1480.00
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	955.00
7344	Beam clamp 300-380 mm (450-1070 mm)	each set	355.00
7345	Prop 4 m	each	910.00
7346	Double coupler	each	46.00
7347	Cadmium plated full threaded steel screws (30x4 mm dia)	100 Nos	27.00
7348	Aluminium washer 2 mm thick 15 mm dia	100 Nos	10.00
7349	12 mm M.S. 'U' beading	metre	14.00
7354	Plastic encapsulated M.S. foot rest 30x20x15 cm	each	110.00
7358	Flushing Cistern P.V.C. 10 litre capacity (low level) (White) (with fittings, accessories and flush pipe)	each	575.00
7359	P.V.C. automatic flushing cistern 5 litre capacity	each	450.00
7361	P.V.C. automatic flushing cistern 10 litre capacity	each	500.00
7363	15 mm C.P. brass tap with elbow operation lever	each	430.00
7364	White glazed fire clay draining board 600x450x25 mm	each	500.00
7366	Glass reinforced Gypsum (GRG) plaster board 12.5 mm thick confirming to IS 2095 (Part 3):1996	sqm	240.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm	metre	60.00
7368	GFRG Panel of 124 mm thick	sqm	845.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm	metre	70.00
7375	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal	each	445.00
7376	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of two lipped urinals	each	765.00
7377	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of three lipped urinals	each	1050.00
7378	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of four lipped urinals	each	1430.00
7379	White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS:2556	each	865.00
7380	Precast R.C.C. grating with frame 500x450 mm horizontal grating	each	620.00
7381	Precast R.C.C. grating with frame 450x100 mm vertical grating	each	235.00
7382	Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887	tonne	18250.00
7383	12 mm dia 50 mm long wedge type expanded zinc alloy dash fastener	each	7.00
7385	3 mm thick translucent white acrylic plastic sheet	sqm	490.00
7386	12 mm thick particle board ceiling tile	sqm	95.00
7387	Spigot for standard jointing	kg	40.00
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	10.00
7389	Anodising 15 microns on aluminium sections	kg	38.00
7390	EPDM Gasket for uPVC window/door	metre	15.00
7391	Anodising 25 microns on aluminium sections	kg	48.00
7392	Powder coating 50 microns on aluminium sections	kg	61.00
7393	Polyester powder coating 50 microns on aluminium sections	kg	67.00
7394	Double action hydraulic floor spring with stainless steel cover plate	each	1500.00
7395	6 mm dia G.I. adjustable hangers including clips (up to 1.2 m length)	each	20.00
7396	Double action hydraulic floor spring with brass cover plate	each	1620.00
7397	Base Jack	each	145.00
7398	Challies	each	765.00
7399	Cup locks	each	48.00
7400	15 mm PTMT bib cock	each	65.00
7401	15 mm PTMT bib cock with flange (fancy)	each	90.00
7402	15 mm PTMT bib cock long body with flange	each	100.00
7403	15 mm dia PTMT stop cock (male thread)	each	60.00
7405	20 mm dia PTMT stop cock	each	68.00
7406	PTMT pillar cock	each	115.00
7407	PTMT push cock 15 mm dia	each	55.00
7408	PTMT push cock 12 mm dia 20 mm BSP	each	45.00
7409	PTMT grating 100 mm dia	each	16.00
7410	PTMT Pillar cock (fancy) 15 mm foam flow	each	125.00
7411	125 mm grating with waste hole	each	25.00
7412	Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm)	each	118.00
7415	Double acting air valve 50 mm	each	3715.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
7416	Double acting air valve 80 mm	each	4525.00
7417	Double acting air valve 100 mm	each	5910.00
7418	Water meter (including testing charges) 80 mm	each	2030.00
7419	Water meter (including testing charges) 100 mm	each	3143.00
7420	Water meter (including testing charges) 150 mm	each	4765.00
7421	Water meter (including testing charges) 200 mm	each	5145.00
7422	Dirt box strainer 80 mm	each	2680.00
7423	Dirt box strainer 100 mm	each	4370.00
7424	Dirt box strainer 150 mm	each	5540.00
7425	Dirt box strainer 200 mm	each	7860.00
7426	Cat's eye	each	80.00
7427	Water stops Serrated with central bulb (225 mm wide, 8-11 mm thick)	metre	200.00
7428	Water stops Dumb bell with central bulb	metre	160.00
7429	Kickers	metre	160.00
7430	Wedge expansion hold fastener 1/4" or 6 mm	each	8.00
7431	Wedge expansion hold fastener 3/8" or 10 mm	each	10.00
7432	Wedge expansion hold fastener 1/2" or 12 mm	each	24.00
7439	8mm thick (mirror polished tiles machine cut edge) Raj Nagar white	sqm	450.00
7442	Wheel 75 mm dia. 40 mm wide	each	62.00
7443	Aluminium single cleat of size 30x32x3 mm	each	14.00
7444	Aluminium grip strip of size 50x12x2 mm	each	11.00
7445	25 mm thick prelaminated flush door shutter both side decorative	sqm	800.00
7449	Aluminium U beading	kg	210.00
7451	Glass sheet (Pin headed) 4 mm thick	sqm	345.00
7452	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	538.00
7453	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	650.00
7466	Second class deodar teak wood lipping 30 mm wide x 12 mm thick	metre	20.00
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	480.00
7477	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade i, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	500.00
7478	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	560.00
7479	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	850.00
7480	Prelaminated particle board with both sides decorative lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	490.00
7485	Oxidised M. S. hinges finished with nickel plating 50 mm (Over all width)	metre	40.00
7486	Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width)	metre	52.00
7491	PTMT - Waste Coupling 31/32 mm	each	34.00
7492	PTMT - Waste Coupling 38/40 mm	each	39.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
7493	PTMT - Bottle Trap 31/32 mm	each	200.00
7494	PTMT - Bottle Trap 38/40 mm	each	200.00
7495	PTMT Ball Cock 15mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	75.00
7496	PTMT Ball Cock 20mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	110.00
7497	PTMT Ball Cock 25mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	275.00
7498	PTMT Ball Cock 40mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	420.00
7499	PTMT Ball Cock 50mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	820.00
7500	PTMT Angle Stop cock with Flange 15 mm	each	85.00
7501	PTMT Swiveling shower 15 mm	each	65.00
7503	PTMT Liquid Soap Container of 400 ml capacity	each	95.00
7504	PTMT - Towel Ring 215x200x37 mm	each	110.00
7505	PTMT - Towel Rail (450 mm long)	each	125.00
7506	PTMT - Towel Rail (600 mm long)	each	145.00
7507	PTMT Shelf 450x124x36 mm	each	150.00
7508	PTMT - Urinal Spreader 15 mm	each	55.00
7509	PTMT Soap Dish/Holder 138x102x75 mm	each	58.00
7512	PTMT handle 125x34x24 mm	each	20.00
7513	PTMT handle 150x34x24 mm	each	20.00
7514	PTMT butt hinges 75x60x10 mm	each	29.00
7515	PTMT butt hinges 100x75x10 mm	each	36.00
7516	PTMT Tower bolt 152x42x18 mm	each	35.00
7517	PTMT Tower bolt 202x42x18 mm	each	58.00
7518	PTMT door catcher 72x42 mm	each	22.00
7552	Coir veneered board 4 mm thick	sqm	260.00
7553	Coir veneered board 6 mm thick	sqm	350.00
7555	Coir veneered board 12 mm thick	sqm	625.00
7556	Coir veneered board 18 mm thick	sqm	930.00
7621	Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 100 mm dia (3000 mm length pipe)	metre	700.00
7622	Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 75 mm dia (3000 mm length pipe)	metre	570.00
7623	Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 100mm dia	each	230.00
7624	Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 75 mm dia	each	160.00
7625	Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 100x100x100x100 mm dia	each	510.00
7626	Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 75x75x75x75 mm dia	each	275.00
7627	Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 100x100x100 mm dia	each	400.00
7628	Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 75x75x75 mm dia	each	215.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
7629	Hubless centrifugally cast (spun) iron double unequal plain junction as per IS 15905 - 100x100x75x75 mm dia	each	400.00
7630	Hubless centrifugally cast (spun) iron single unequal plain junction as per IS 15905 -100x100x75 mm dia	each	375.00
7631	Hubless centrifugally cast (spun) iron double equal plain invert branch as per IS 15905 - 100x100x100x100 mm dia	each	625.00
7632	Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 100x100x100 mm dia	each	390.00
7633	Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 75x75x75 mm dia	each	260.00
7634	Hubless centrifugally cast (spun) iron single unequal plain invert branch 45 degree as per IS 15905 - 100x100x75 mm dia	each	430.00
7635	Hubless centrifugally cast (spun) iron 65 mm offset with 100 mm dia pipe as per IS 15905	each	360.00
7636	Hubless centrifugally cast (spun) iron 65 mm offset with 75 mm dia pipe as per IS 15905	each	295.00
7637	Hubless centrifugally cast (spun) iron 130 mm offset with 100 mm dia pipe as per IS 15905	each	440.00
7638	Hubless centrifugally cast (spun) iron 130 mm offset with 75 mm dia pipe as per IS 15905	each	310.00
7639	Hubless centrifugally cast (spun) iron bend with access door - 100mm dia as per IS 15905	each	365.00
7640	Hubless centrifugally cast (spun) iron bend with access door - 75mm dia as per IS 15905	each	290.00
7641	Hubless centrifugally cast (spun) iron terminal guard (slotted cowl) - 100 mm dia as per IS 15905	each	270.00
7642	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 100 mm outlet as per IS 15905	each	540.00
7643	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 75 mm outlet as per IS 15905	each	385.00
7644	SS 304 grade shielded coupling with EPDM rubber gasket for 100mm dia Hubless centrifugally cast (spun) iron	each	275.00
7645	SS 304 grade shielded coupling with EPDM rubber gasket for 75 mm dia Hubless centrifugally cast (spun) iron	each	250.00
7651	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 100 mm dia	metre	765.00
7652	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 150 mm dia	metre	1150.00
7653	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 200 mm dia	metre	1575.00
7654	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 250 mm dia	metre	2200.00
7655	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 300 mm dia	metre	2750.00
7656	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 350 mm dia	metre	3350.00
7657	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 400 mm dia	metre	4300.00
7658	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 450 mm dia	metre	5000.00
7659	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 500 mm dia	metre	6270.00
7660	Ductile Iron class K -9 pipe Conforming to I.S. 8329 - 600 mm dia	metre	7560.00
7661	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 700 mm dia	metre	10500.00
7662	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 750 mm dia	metre	11350.00
7663	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 800 mm dia	metre	11450.00
7664	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 900 mm dia	metre	13900.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
7665	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 1000 mm dia	metre	15550.00
7666	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia	each	29.00
7668	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150 mm dia	each	33.00
7669	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200 mm dia	each	60.00
7670	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250 mm dia	each	70.00
7671	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300 mm dia	each	100.00
7672	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350 mm dia	each	116.00
7673	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia	each	210.00
7674	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia	each	250.00
7675	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia	each	270.00
7676	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia	each	356.00
7677	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia	each	510.00
7678	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750 mm dia	each	600.00
7679	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia	each	705.00
7680	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia	each	910.00
7681	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia	each	1080.00
7682	Ductile Iron K - 12 specials suitable for push on jointing up to 600 mm dia	quintal	12400.00
7683	Ductile Iron K - 12 specials suitable for push on jointing over 600 mm dia	quintal	17200.00
7684	Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - up to 600 mm dia	quintal	13050.00
7685	Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600 mm dia	quintal	18750.00
7686	Ductile Iron Pipe Class K-9 flanges and welding 100 mm dia	metre	1100.00
7687	Ductile Iron Pipe Class K-9 flanges and welding 150 mm dia	metre	1650.00
7688	Ductile Iron Pipe Class K-9 flanges and welding 200 mm dia	metre	2075.00
7689	Ductile Iron Pipe Class K-9 flanges and welding 250 mm dia	metre	2950.00
7690	Ductile Iron Pipe Class K-9 flanges and welding 300 mm dia	metre	3790.00
7691	Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia	metre	4780.00
7692	Ductile Iron Pipe Class K-9 flanges and welding 400 mm dia	metre	6150.00
7693	Ductile Iron Pipe Class K-9 flanges and welding 450 mm dia	metre	6453.00
7694	Ductile Iron Pipe Class K-9 flanges and welding 500 mm dia	metre	9180.00
7695	Ductile Iron Pipe Class K-9 flanges and welding 600 mm dia	metre	12150.00
7696	Ductile Iron Pipe Class K-9 flanges and welding 700 mm dia	metre	14370.00
7697	S&S Centrifugally (Spun) C.I. Pipe class LA 100 mm dia	metre	857.00
7698	S&S Centrifugally (Spun) C.I. Pipe class LA 125 mm dia	metre	1067.00
7699	S&S Centrifugally (Spun) C.I. Pipe class LA 150 mm dia	metre	1286.00
7700	S&S Centrifugally (Spun) C.I. Pipe class LA 200 mm dia	metre	2190.00
7701	S&S Centrifugally (Spun) C.I. Pipe class LA 250 mm dia	metre	2857.00
7702	S&S Centrifugally (Spun) C.I. Pipe class LA 300 mm dia	metre	3857.00
7703	S&S Centrifugally (Spun) C.I. Pipe class LA 350 mm dia	metre	4619.00
7704	S&S Centrifugally (Spun) C.I. Pipe class LA 400 mm dia	metre	6095.00
7705	S&S Centrifugally (Spun) C.I. Pipe class LA 450 mm dia	metre	7381.00
7706	S&S Centrifugally (Spun) C.I. Pipe class LA 500 mm dia	metre	8571.00
7707	S&S Centrifugally (Spun) C.I. Pipe class LA 600 mm dia	metre	11995.00
7708	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia	quintal	5190.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
7709	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia	quintal	6200.00
7710	S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia	quintal	8571.00
7711	S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per I.S. 13382 over 300 mm dia	quintal	9048.00
7712	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100 mm dia	metre	1310.00
7713	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 150 mm dia	metre	2048.00
7714	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200 mm dia	metre	3238.00
7715	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250 mm dia	metre	3905.00
7716	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300 mm dia	metre	4990.00
7717	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350 mm dia	metre	6286.00
7718	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400 mm dia	metre	8143.00
7719	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450 mm dia	metre	10381.00
7720	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500 mm dia	metre	12914.00
7721	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600 mm dia	metre	17905.00
7722	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia	metre	800.00
7723	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia	metre	1140.00
7724	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia	metre	1400.00
7725	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250 mm dia	metre	1800.00
7726	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 300 mm dia	metre	2250.00
7727	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 350 mm dia	metre	2650.00
7728	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400 mm dia	metre	3175.00
7729	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450 mm dia	metre	3852.00
7730	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500 mm dia	metre	4350.00
7731	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600 mm dia	metre	5600.00
7732	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700 mm dia	metre	7300.00
7733	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800 mm dia	metre	9100.00
7734	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900 mm dia	metre	11800.00
7735	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000 mm dia	metre	12300.00
7736	Extruded burnt flyash clay sewer bricks conforming to I.S 4885	1000 Nos	5000.00
7737	Fly ash bricks conforming to I.S. 12894	1000 Nos	3950.00
7738	Calcium Silicate Bricks machine moulded conforming to I.S. 4139	1000 Nos	5050.00
7739	Modified Bitumen Refinery produced CRMB - 55	tonne	28000.00
7741	Modified Bitumen Refinery produced CRMB - 60	tonne	29150.00
7742	Bitumen emulsion medium setting (M.S.) conforming to IS : 8887	tonne	27100.00
7743	M.S. pipe 150 mm dia casing pipe	metre	1126.00
7744	M.S. pipe 200 mm dia casing pipe	metre	1400.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
7745	PVC blind pipe 150 mm dia as per IS: 12818	metre	490.00
7746	PVC blind pipe 200 mm dia as per IS: 12818	metre	700.00
7747	M.S. cap 150 mm dia	each	150.00
7748	M.S. cap 200 mm dia	each	200.00
7749	M.S bail plug 150 mm dia	each	200.00
7750	M.S bail plug 200 mm dia	each	220.00
7751	PVC slotted pipe 150 mm dia as per IS: 12818	metre	500.00
7752	PVC slotted pipe 200 mm dia as per IS: 12818	metre	810.00
7753	Stone Boulder 50 mm to 200 mm	cum	810.00
7754	Gravel 5 mm to 10 mm	cum	815.00
7755	Gravel 1.5 mm to 2 mm	cum	815.00
7756	Gravel 3 mm to 6 mm	cum	815.00
7757	M.S. pipe 100 mm dia casing pipe	metre	780.00
7758	uPVC blind pipe 100 mm dia as per IS: 12818	metre	405.00
7759	uPVC slotted pipe 100 mm dia as per IS: 12818	metre	425.00
7760	M.S. cap 100 mm dia	each	135.00
7761	M.S. bail plug 100 mm dia	each	160.00
7762	Precast R.C.C. perforated slab	each	875.00
7763	Water supply tanker of 5000 litre capacity	each	1500.00
7764	M.S. socket 100 mm dia	each	125.00
7765	M.S. socket 150 mm dia	each	205.00
7766	M.S. socket 200 mm dia	each	265.00
7767	Stone cleaning chemical approved by ASI	litre	270.00
7768	Water repellent chemical approved by ASI	litre	1100.00
7769	Stone surface strengthening chemical approved by ASI	litre	835.00
7770	Turpentine oil	litre	50.00
7771	Liquid Ammonia 5%	litre	145.00
7772	Pea Gravel	cum	910.00
7773	Coloured inter locking C.C. paver Block (60 mm thick, M-35)	sqm	425.00
7774	Stone size 10x10x7.50cm	each	9.00
7775	Sodium pentachlorophenate	kg	500.00
7776	Concrete paver block of grade M-30 made of C&D waste (60mm thickness)	sqm	295.00
7800	Ceramic Glazed Tiles 1st quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black	sqm	190.00
7801	Ceramic Glazed Tiles 1st quality 300 x 300 mm in all shades and designs of White, Ivory, grey, Fume Red brown etc.	sqm	175.00
7802	Ceramic Glazed Tiles 1st quality 300 x 300 mm in all shades designs except White, Ivory, Grey, Fume Red Brown etc.	sqm	300.00
7803	Rectified Ceramic Glazed Tiles 1st quality 300 x 300 mm or more in all shades designs White, Ivory, Grey, Fume Red Brown etc.	sqm	340.00
7804	Rectified Ceramic Glazed Tiles 1st quality 300 x 300 mm or more in all shades designs except White, Ivory, Grey, Fume Red Brown etc.	sqm	400.00
7805	Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724mm X 578 mm	each	4500.00
7806	Salem Stainless steel AISI - 304 (18/8) Round basin 405mm X 355 mm	each	1500.00
7807	Salem Stainless steel AISI - 304 (18/8) Wash basin 530mm X 345 mm	each	2000.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
7808	Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet	each	450.00
7809	Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet	each	500.00
7850	Agaria White marble slab plain 18 mm thick	sqm	950.00
7857	P.T.M.T. Grating square slit 150 mm	each	45.00
7858	P.T.M.T. Urinal cock 15 mm dia	each	95.00
7859	P.T.M.T. Bib cock with nozzle 15 mm	each	110.00
7861	P.T.M.T. Stop cock (concealed) 15 mm	each	120.00
7862	15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts	each	38.00
7863	15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts	each	52.00
7864	P.T.M.T. extension nipple 15 mm dia	each	25.00
7865	P.T.M.T. extension nipple 20 mm dia	each	50.00
7866	P.T.M.T. extension nipple 25 mm dia	each	68.00
7893	Tactile tile	sqm	800.00
7895	Matt finished vitrified tile 100x100 x16 mm	sqm	910.00
7896	Vitrified tile	sqm	450.00
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	3800.00
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	4200.00
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	4800.00
7903	Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	4700.00
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	4600.00
7911	Chemical Rust Remover	litre	245.00
7912	Hire charges of Drill machine upto 30 mm dia	day	160.00
7913	Epoxy	kg	585.00
7914	SBR Polymer	kg	175.00
7915	Woven PVC cloth	sqm	25.00
7916	Hire charges of sand blasting equipment	day	450.00
7917	Hire charges of compressure	day	650.00
7918	25mm thick cement concrete shotcrete(guniting) with compressor	sqm	110.00
7919	50mm thick cement concrete shotcrete(guniting) with compressor	sqm	175.00
7920	75mm thick cement concrete shotcrete(guniting) with compressor	sqm	280.00
7921	Adhesive chemical	ml	2.00
7922	Bit of drilling machine for Hole upto 30mm dia	each	500.00
7923	GI injection nipple 12mm dia, 75mm long	each	45.00
7924	Blowing compressed air for cleaning holes upto 30mm dia	each	10.00
7925	L shaped 100mm long, 10mm dia mild steel shear key	kg	80.00
7926	Welding charges of shear key to existing reinforcement	each	2.00
7927	Acrylic Polymer chemical for cracks	kg	31.00
7928	Hire charges of Plant and machinery, it can inject - 350kg/day	day	100.00
7929	Shear loops (6mm dia GI wire rope) (For vertical joints) 6 nos on each side	each	210.00
7930	dowel tubes (Corrugated GI pipes 50 to 80mm dia) (For horizontal joints)	metre	144.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
7931	Hooks for lifting (Alloy steel) having 2.5 tonne capacity	each	270.00
7996	Factory made EPS light weight composite sandwitched wall/roof panel (50mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each.	sqm	735.25
7997	Factory made EPS light weight composite sandwitched wall/roof panel (60mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	845.00
7998	Factory made EPS light weight composite sandwitched wall/roof panel (75mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	1074.46
7999	Factory made EPS light weight composite sandwitched wall/roof panel (90mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	1268.00
8000	Factory made EPS light weight composite sandwitched wall/roof panel (100mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	1512.37
8001	24 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1085.93
8002	30 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1248.82
8003	Factory made PVC rigid foam panelled shutter i/c carriage	sqm	1547.45
8004	Factory made PVC rigid foam panelled shutter as per IS : 4020 i/c carriage	sqm	1547.45
8006	Factory made PVC rigid foam sheet 1 mm thick	sqm	155.80
8007	Factory made PVC rigid foam sheet 5 mm thick	sqm	632.00
8008	Factory made prelaminated PVC rigid foam sheet 5 mm thick	sqm	752.00
8010	48mmX40mmX1.5mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	130.00
8011	Factory made door frame PVC extruded sheet i/c carriage	metre	260.00
8012	Adhesive solvent cement	kg	140.00
8013	Factory made EPS Core wallpanel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh,with 50 mm pitch in both the directions, kept at 120-135 mm gap and interconnected by the zig zag G.I. wire of 3 mm dia at alternate row by welding.	sqm	1650.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
8014	Factory made door frame of size 50x47 mm with wall thickness 5 mm made of single piece extruded profile	metre	298.74
8015	Expanded poly ethylene Foam sheet 4mm thick of Density 40kg/m3	sqm	20.00
8016	High Density expanded poly ethylene (EPE) Foam 1mm thick	sqm	10.00
8017	Fire rated door frame made with 1.6 mm thick G.I sheet (120 minutes fire rating)	metre	1200.00
8018	Fire rated door shutter made with 1.6 mm thick G.I sheet (120 minutes fire rating) including hinges (without glass panels)	sqm	6000.00
8019	GI sheet 0.8 mm thick confirming to IS 277:1992	kg	90.00
8020	Factory made EPS Core wall panel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh, with 50 mm pitch in both the directions, connected by G.I. wire of 3mm dia at alternate row by welding	sqm	600.00
8021	Bamboo wood Tile Flooring 14mm thick, minimum 1800 mm length and minimum 100 mm wide	sqm	3470.00
8022	Bamboo wood Quarter Round 18mm thick of size 1900mm x 18mm	metre	115.00
8023	Bamboo wood door reducer 14mm thick of size 1900mm x 44mm	metre	255.00
8024	Bamboo wood Skirting 14mm thick of Size 1900mm x 85mm	metre	300.00
8025	Bamboo wood Tile Wall Cladding 10mm thick, minimum 1800 mm length and minimum 100 mm wide	sqm	3400.00
8026	Bamboo wood T-mold 14mm thick of size 1900mm x 44mm	metre	250.00
8027	Bamboo wood Threshold 14mm thick of size 1900mm x 44mm	metre	255.00
8028	Bamboo wood shutter of doors	10 cudm	1700.00
8029	Bamboo wood panelling (10mm thick)	10 cudm	1680.00
8030	Superior class Bamboo wood door frame 65 mm thick,	10 cudm	1675.00
8031	Aluminium sheets Grade 5052, 4 mm thick for wall panel/deck panel/ WRB panel/Kicker Panels/door closing panels (for form work)	sqm	8500.00
8032	Aluminium sheets Grade 5052, 4 mm thick for Internal Corner/Column Corners/ (for form work)	sqm	11500.00
8033	Aluminium sheets Grade 5052, 4 mm thick for Mid Soldier/End soldier (for form work)	sqm	32000.00
	Accessories for aluminium form work		
8034	External corner 2050 mm	each	1400.00
8035	External corner 825 mm	each	590.00
8036	soldier tie 370mm	each	290.00
8037	Adjustable prop-2.0 x2.0 m	each	1200.00
8038	Pin-50	each	15.00
8039	Pin-127	each	55.00
8040	wedge	each	14.00
8041	wall tie-150 (355 mm)	each	45.00
8042	Polythene Sleeve 90 x 150mm	each	3.00
8043	Polythene Roll - 150mm Long.	each	6.00
8044	Vertical Soldier -1100mm	each	370.00
8045	Wall Attached Bracket 600x1000mm	each	990.00
8046	Alignment Pipe - 3.00 Mtr.	each	1000.00
8047	Alignment Bracket	each	480.00
8048	Tie Rod for Bracket - 500mm	each	120.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
8049	Anchor Wing Nut Ø100 mm	each	65.00
8050	Debit Pin - 250mm	each	60.00
8051	PVC Pipe Ø20mm - 150mm long	each	5.00
8052	PVC Cone	each	5.00
8053	Bolt+Nut - 16 x 80 mm	each	30.00
8054	Flat Washer Ø16, 3mm thick	each	5.00
8055	Bolt+Nut - 16 x 30 mm	each	18.00
8056	Door spacer 45x45x5-1135mm Long	each	365.00
8057	Door spacer 45x45x5-1135mm Long	each	320.00
8100	Powder coated M.S. butt hinges 100 mm X58 mmX1.9 mm	10 Nos	130.00
8101	SS ball bearing of size 100 x89x3mm	each	450.00
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door	each	455.00
8117	Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each set	2635.00
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window	each set	1535.00
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each set	1265.00
8121	uPVC extruded (small series) casement window frame size 47x50mm	metre	280.00
8122	uPVC extruded (small series) casement window sash/window mullion size 47x68 mm	metre	311.00
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash	metre	100.00
8126	uPVC extruded (big series) casement window frame size 67x60 mm	metre	351.00
8127	uPVC extruded (big series) casement door frame size 67x64 mm	metre	396.00
8128	uPVC extruded (big series) casement window sash/window mullion/door mullion size 67x80 mm	metre	469.00
8129	uPVC extruded (big series) casement door sash size 67x110 mm	metre	568.00
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window/door sash	metre	135.00
8131	uPVC extruded glazing bead of appropriate dimension for small series sliding window sash	metre	66.00
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window/ door sash	metre	85.00
8133	uPVC extruded (small series) 2 track sliding window frame size 52x44 mm	metre	314.00
8134	uPVC extruded (big series) 2 track sliding window/door frame size 67x50mm	metre	424.00
8135	uPVC extruded (small series) 3 track sliding window frame size 92x44 mm	metre	418.00
8136	uPVC extruded (big series) 3 track sliding window/door frame size 116x45mm	metre	583.00
8137	uPVC extruded (small series) 2 track sliding window sash/3 track sliding window sash size 32x60mm	metre	291.00
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm	metre	357.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm	metre	358.00
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash	metre	88.00
8141	uPVC extruded interlock of appropriate dimension for big series sliding window/ door sash	metre	98.00
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window/door sash	metre	98.00
8143	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash (big series) size 46x82mm	metre	385.00
8144	Bamboo Mat corrugated sheets 3.5 to 4mm thick conforming to IS 15476:2004	sqm	2648.00
8145	Bamboo Mat Ridge cap 3.5 to 4mm thick conforming to IS 15476:2004	metre	2570.00
8146	3mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	1508.00
8147	4mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	1738.00
8148	6mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	2098.00
8149	9mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	2688.00
8150	12mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	3115.00
8200	A.P.P. modified polymeric felt (two layers) 1.5 mm thick	sqm	80.00
8201	A.P.P. modified polymeric felt (two layers) 2 mm thick	sqm	120.00
8203	A.P.P. modified 2 mm thick membrane reinforced with glass fibre matt	sqm	130.00
8204	A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt	sqm	190.00
8205	A.P.P. modified 3 mm thick membrane reinforced with polyester matt	sqm	210.00
8206	Bitumen primer for bitumen membrane	litre	85.00
8207	Geotextile 120 grams per sqm membrane	sqm	45.00
8210	Stainless steel screws 50 mm	100 Nos	300.00
8211	Stainless steel screws 40 mm	100 Nos	250.00
8212	Stainless steel screws 30 mm	100 Nos	230.00
8214	Stainless steel screws 20 mm	100 Nos	150.00
8215	Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked	10 Nos	310.00
8216	Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked	10 Nos	280.00
8217	Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked	10 Nos	180.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	150.00
8219	Stainless steel butt hinges (heavy weight) 125x64x2.5 mm IS : 12817 marked	10 Nos	375.00
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	275.00
8221	Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS : 12817 marked	10 Nos	230.00
8222	M.S. heavy weight butt hinges 125x90x4.0 mm IS: 1341 marked.	10 Nos	230.00
8223	M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked	10 Nos	180.00
8224	M.S. heavy weight butt hinges 75x60x3.1 mm IS: 1341 marked	10 Nos	110.00
8225	M.S. heavy weight butt hinges 50x40x2.5 mm IS : 1341 marked	10 Nos	90.00
8226	Concealed zinc coated hinges 19-20 mm thick with mounting plate	10 Nos	460.00
8227	Stainless steel fancy handle	10 Nos	1000.00
8228	Soft closing stainless steel hinges	10 Sets	1550.00
8229	Stainless steel telescopic drawer channels 500mm long	set	535.00
8230	Stainless steel (Grade-304) basket (readymade)	kg	260.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
8300	1216 mm PE-AL-PE Composite pressure pipe	metre	80.00
8301	1620 mm PE-AL-PE Composite pressure pipe	metre	90.00
8302	2025 mm PE-AL-PE Composite pressure pipe	metre	140.00
8303	2532 mm PE-AL-PE Composite pressure pipe	metre	180.00
8304	3240 mm PE-AL-PE Composite pressure pipe	metre	280.00
8305	4050 mm PE-AL-PE Composite pressure pipe	metre	360.00
8306	PPR Union 20 mm	each	60.00
8307	PPR Union 25 mm	each	110.00
8308	PPR Union 32 mm	each	150.00
8309	PPR Union 40 mm	each	220.00
8310	PPR Union 50 mm	each	410.00
8311	PPR Union 63 mm	each	550.00
8312	PPR Union 75 mm	each	1100.00
8500	Water for jetting / blowback	1000 litre	1500.00
8501	Polymer modified cementation coating	kg	160.00
8502	Fibre glass cloth	sqm	32.00
8504	Multi surface paint	litre	300.00
8505	Acrylic exterior paint	litre	200.00
8506	Premium Acrylic exterior paint	litre	210.00
8507	Textured exterior paint	litre	280.00
8508	Primer for cement paint	litre	90.00
8509	Special Primer (C.W.)	litre	160.00
8510	Metal Primer (U.G.)	litre	105.00
8511	Fibre reinforced elastomeric liquid water proofing membrane	litre	230.00
8512	Cementitious water proofing coating with elastic polymers	kg	225.00
8513	Acrylic modified resin based texture	kg	42.00
8514	40 mm long S.S screws with plastic rawl plugs	100	42.00
8515	Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long	each	42.00
8516	ZMB 60/equivalent	kg	110.00
8517	ZMB thinner	litre	220.00
8518	Zycoprime / equivalent	litre	230.00
8519	Zycosil / equivalent	litre	1800.00
8520	Elastobar / equivalent	kg	300.00
8552	Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick	sqm	835.00
8553	Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick with bio-block conforming to ISO 5 (class 100) specifications.	sqm	925.00
8554	Mineral fiber beveled tegular edged ceiling tiles 595 x595mm,20 mm thick.	sqm	1045.00
8555	G.I main runner 15 x32 mm of 3000 mm length, 0.33 mm thick	each	190.00
8556	G.I cross-T 15 x32 mm of 1200 mm length, 0.33 mm thick	each	78.00
8557	G.I cross-T 15 x32 mm of 600 mm length, 0.33 mm thick	each	35.00
8558	G.I hanger rod 6mm dia fully threaded upto 1000 mm length	each	26.00
8559	Stainless steel U Channel of size (50x25x2mm)	metre	160.00
8560	Non staining water resistant clear silicon	metre	70.00
8561	Extruded polystyrene rigid insulation board 50 mm thick	sqm	550.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
8562	Expanded Polystyrene insulation board 120 mm thick confirming to IS 4671-1984, Fire retardant property self-extinguishing type as per EN 13501-1	sqm	825.00
8563	15 mm thick, light weight, integral densified micro look edged, false ceiling tiles of size 595x595 mm.	sqm	725.00
8564	15 mm thick, light weight,fully perforated square/butt edge integral densified, false ceiling tiles of size 595x595 mm.	sqm	900.00
8565	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000mm length	each	27.00
8566	Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long)	each	260.00
8567	Galvanized mild steel perimeter wall angle 22x19x0.40 mm (3000mm long)	each	125.00
8568	Powder coated Galvanised Iron intermediate cross-T section 15x42x 0.40 mm (1200 mm long)	each	105.00
8569	Powder coated Galvanized Iron intermediate cross-T section 15x42x 0.40mm (600 mm long)	each	50.00
8570	GI Main T ceiling section 30x25x0.3 mm (3 metre long)	each	210.00
8571	GI Perimeter wall angle 25x25x0.4 mm (3 metre long)	each	170.00
8572	GI Intermediate cross T section 25x25x0.3 mm (1.2 metre long)	each	80.00
8573	GI Intermediate cross T section 25x25x0.3 mm (0.6 metre long)	each	35.00
8576	Powder coated Galvanized Iron intermediate cross-T section wire diameter 3.00 mm).	sqm	200.00
8577	Crates made of Mesh type 10x12 (D=100 mm) Zn+PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD).	sqm	250.00
8578	Crates made of Mesh type 10x12 (D=100 mm) Zn+10% Al alloy +PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD).	sqm	290.00
8579	Cold form light gauge Steel C-section of thickness 0.75mm i/c zink coating/sliting etc.	kg	140.00
8580	Wastage of cold form light gauge steel	kg	18.00
8581	12 mm thick micro tegular edged semi perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	550.00
8582	12 mm thick micro tegular edged fully perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	600.00
8583	10 mm thick square edge fully perforated GRG(Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	750.00
8587	Galvanized iron intermediate cross-T section 15x32x0.33 mm (600mm long)	each	37.00
8588	Galavanised MS hanger rod 6mm dia MS fully threaded up to 1000mm length	each	28.00
8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15 mm thick on edges	sqm	685.00
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33 mm (3 metre long)	each	140.00
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	90.00
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33mm (1.2 metre long)	each	45.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33mm (0.6 metre long)	each	22.00
8594	Galvanised Steel soffit cleat size 25x35x1.60 mm	each	4.50
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	1.00
8596	Galvanised MS 8mm outer diameter M-6 dash fastener 25mm long	each	35.00
8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	710.00
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	800.00
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	625.00
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	735.00
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	880.00
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	380.00
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	220.00
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)	metre	110.00
8606	Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)	metre	130.00
8607	Spring T-connector	each	5.00
8608	C Carrier Connector	each	12.00
8609	C Suspension Clip	each	10.00
8610	Wire Coupling Clip	each	10.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	130.00
8612	Perimeter wall angle 24 x 24 x 0.3 mm (3 metre long)	each	80.00
8613	Intermediate cross T-Section 24x25x0.3 mm (1.2 m long)	each	40.00
8614	Intermediate cross T-Section 24x25x0.3 mm (0.6 m long)	each	20.00
8615	Hanger rod 4 mm thick	each	10.00
8616	Adjustment clip 85x30x0.8 mm	each	6.00
8617	Soffit cleat (Size 27x37x25x1.60 mm)	each	5.00
8618	Dash fastener 6 mm dia 50 mm long	each	10.00
8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm	each	15.00
8620	Vitrified floor tile 50x50 cm conforming to IS 15622:2006 group (B1a)	sqm	500.00
8621	Vitrified floor tile 60x60 cm conforming to IS 15622:2006 group (B1a)	sqm	560.00
8622	Vitrified floor tile 80x80 cm conforming to IS 15622:2006 group (B1a)	sqm	900.00
8623	Vitrified floor tile 100x100 cm conforming to IS 15622:2006 group (B1a)	sqm	1390.00
8624	"Border tiles 200x75mm size	each	16.00
8626	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 20 mm Outer dia	metre	48.46
8627	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 25 mm Outer dia	metre	74.82
8628	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 32 mm Outer dia	metre	107.47
8629	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 40 mm Outer dia	metre	162.00
8630	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 50 mm Outer dia	metre	255.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
8631	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 63 mm Outer dia	metre	285.00
8632	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 75 mm Outer dia	metre	425.00
8633	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 90 mm Outer dia	metre	600.00
8634	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 110 mm Outer dia	metre	890.00
8635	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 160 mm Outer dia	metre	2575.00
8636	Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm nominal dia	metre	49.00
8637	Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm nominal dia	metre	80.00
8638	Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm nominal dia	metre	127.97
8639	Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm nominal dia	metre	165.00
8640	Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm nominal dia	metre	230.00
8641	Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm nominal dia	metre	375.25
8642	Chlorinated Polyvinyl - chloride (CPVC) pipe 65 mm nominal dia	metre	793.30
8643	Chlorinated Polyvinyl - chloride (CPVC) pipe 80 mm nominal dia	metre	1031.05
8644	Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm nominal dia	metre	1466.75
8645	Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm nominal dia	metre	3145.15
8646	Weather Silicon sealant	cartridge	112.00
8647	Stainless steel screws 30 mm x4 mm	100 Nos	35.84
8648	Hermetically sealed double glazed unit made with 6 mm thick clear float glass both side having 12 mm air gap	sqm	2200.00
8649	Stainless steel (SS 304 grade) adjustable friction window stay 205 x 19 mm	each	197.80
8650	Stainless steel (SS 304 grade) adjustable friction window stay 255 x 19 mm	each	225.00
8651	Stainless steel (SS 304 grade) adjustable friction window stay 355 x 19 mm	each	195.00
8652	Stainless steel (SS 304 grade) adjustable friction window stay 510 x 19 mm	each	535.00
8653	Stainless steel (SS 304 grade) adjustable friction window stay 710 x 19 mm	each	925.00
8654	Masking tape	metre	2.18
8655	Autoclaved aerated cement (AAC) blocks	cum	2650.00
8656	Gypsum panel 666 X 500 X 100 mm size	sqm	480.00
8657	Bonding plaster for Gypsum panel	kg	25.50
8658	Precast C&D waste concrete block	1000 Nos	25150.00
8659	Water proof ply 12 mm thick	sqm	525.00
8660	Aluminium casement window fastener (Anodised AC 15)	each	48.00
8661	Aluminium casement window fastener (powder coated)	each	52.64
8662	Aluminium casement window fastener (polyester powder coated)	each	51.52
8663	Aluminium round shape handle (anodised AC 15) outer dia 100 mm	each	59.36
8664	Aluminium round shape handle (powder coated) outer dia 100 mm	each	60.00
8665	Aluminium round shape handle (polyester powder coated) outer dia 100 mm	each	62.00
8666	Stainless steel screws 25 mm x4 mm	100 Nos	41.80

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
8667	UV stabilised 2 mm thick plain FRP sheet	sqm	450.00
8668	UV stabilised 2 mm thick corrugated FRP sheet	sqm	525.00
8669	Mangalore ridge tiles 20 mm thick	each	8.00
8670	Mangalore tiles 20 mm thick	each	8.00
8671	Precoated galvanised iron profile sheet 0.50 mm TCT	sqm	375.00
8672	Precoated galvanised steel plain ridges 0.50 mm TCT and 500-600mm wide	metre	225.00
8673	Precoated galvanised steel flashings/aprons 0.50 mm TCT and upto 600mm wide	metre	235.20
8674	Precoated galvanised steel gutter 600mm overall girth	metre	440.00
8675	Precoated galvanised steel north light curves	metre	240.00
8676	Precoated galvanised steel barge board (upto 300mm)	metre	230.00
8677	Precoated galvanised steel crimp curve	sqm	235.00
8678	1 mm thick 35 mm wide bright finished stainless steel piano hinges	metre	47.04
8682	Epoxy Grout	kg	380.00
8683	Red sand stone gang saw cut 30 mm thick	sqm	476.00
8684	White sand stone gang saw cut 30 mm thick	sqm	560.00
8685	Delineator	each	336.00
8686	Precast C.C. Kerb stone M - 25	cum	5600.00
8687	Thermoplastic paint	kg	66.00
8688	Glass beads	kg	72.00
8689	Interlocking C.C. paver block (60 mm thick, M-30)	sqm	440.00
8690	High intensity retro - reflective sheet as per IRC 67-2001	sqm	1443.00
8691	Punched tape concertina coil 600 mm dia 10 m openable length (Total length 90 m)	bundle	600.00
8692	RBT reinforced barbed wire	metre	7.00
8693	Turn buckle and strengthening bolt	each set	42.00
8694	Precast pavement slab 450 x 450 x 50 mm (M - 30)	each	145.00
8695	Chain link fabric fencing mesh of size 50x50 mm made of G.I. wire of dia 4 mm	sqm	300.00
8696	Chain link fabric fencing mesh of size 50x50 mm made of G.I. wire of dia 4 mm, PVC coated to outer dia 5 mm	sqm	330.00
8697	Chain link fabric fencing mesh of size 25x25 mm made of G.I. wire of dia 3 mm	sqm	380.00
8698	Stainless steel cramps(weight 260 grams) with nuts, bolts and washer for dry stone cladding	each	115.00
8699	8 mm thick tapered edge calcium silicate board	sqm	270.00
8700	10 mm thick calcium silicate board	sqm	420.00
8701	SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia	metre	620.00
8702	Coupling/Socket fittings for 15.88 mm outer dia SS pipe	each	60.00
8703	Telescopic drawer channels 300 mm long	set	240.00
8704	Stainless steel roller for sliding arrangement in racks/ cupboards/ cabinets shutter	each	11.00
8705	50 mmX42 mmX2 mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	166.00
8706	25 mm thick factory made PVC flush door shutter i/c carriage	sqm	1700.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
8707	Factory made glass reinforced plastic door frame 90x45 mm i/c carriage	metre	480.00
8708	30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage	sqm	2326.00
8709	30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)	sqm	2100.00
8710	Factory made solid PVC door frame 60 x 30 mm i/c carriage	metre	315.00
8711	20 mm factory made solid PVC panel door shutter i/c carriage	sqm	2050.00
8712	30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish	sqm	2000.00
8713	Fiber glass reinforced plastic chajja	sqm	3000.00
8714	Magnetic catcher triple strip vertical type	each	28.00
8715	Magnetic catcher double strip horizontal type	each	20.00
8716	100 mm mortice lock with 6 levers for aluminium door	each	432.00
8719	2nd class teak wood moulded beading or Taj beading/ornamental bleeding of size 18X5 mm	metre	30.00
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm	metre	38.00
8721	Perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm	metre	23.00
8722	Nylon sleeves & wooden screws (40 mm)	each	2.60
8723	Counter sunk ribbed head screw 25 mm	100 Nos	76.00
8724	12 mm thick marine plywood conforming to IS: 710	sqm	720.00
8725	12 mm thick fire retardant plywood conforming to IS: 5509	sqm	867.00
8726	1.5 mm thick decorative laminated sheet	sqm	380.00
8727	1.0 mm thick decorative laminated sheet	sqm	294.00
8730	30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage	sqm	2675.00
8731	High polymer modified quickset tile adhesive	kg	9.00
8732	Synthetic ployester triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40	kg	370.00
8733	Synthetic ployester triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40	kg	410.00
8734	P.V.C. Single piece extruded door frame of profile size 50 mm x 47mm with wall thickness of 5 mm	metre	265.00
8735	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non decorative finished (Matt finished)	sqm	2295.00
8736	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile decorative finished (wood grain finished)	sqm	2707.00
8737	Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50mm dia wire	sqm	413.00
8738	Factory made door frame fire rated (60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with vermiculite based concrete mix	metre	1062.00
8739	Fire rated door shutter made with 16 SWG G.I. sheet (60 minutes) without panel	sqm	4702.00
8740	Fire seal Putty	kg	304.00
8741	Clear fire resistant glass panes 6mm thick (60 minutes)	sqm	21500.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
8742	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/ m ²) with ceramic tape of suitable thickness and fire resistant primer coating	metre	303.00
8743	Matrix Mineral Board	metre	70.00
8744	Panic Bar / latch (Double point)	each	5200.00
8745	65 mm x 55 mm x 2 mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	364.00
8746	37 mm thick Factory made shutter with style,rails and panels of PVC extruded section in white or grey finish i/c carriage	sqm	2479.00
8747	75 mm x 53 mm x 2.0 mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	413.00
8748	37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish	sqm	2703.00
8749	Zinc alloy (white powder coated) touch lock with hook for wire mesh shutter	each	133.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window/door	each	130.00
8751	Zinc alloy (white powder coated) touch lock withhook for uPVC window/door	each	114.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	60.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door/window	each	105.00
8754	Zinc alloy (white powder coated) cresent lock for uPVC sliding door/window	each	110.00
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows	each	212.00
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for uPVC windows	each	237.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for upVC window	each	260.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for upVC window	each	361.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for upVC window	each	365.00
8760	Glass panes of required thickness having 60 minutes of fire resistance both integrity and radiation control (EI 60) and minimum 20 minutes of insulation (EI 20)	sqm	22500.00
8761	Scaffolding net made of high density polyethylene UV stabilized having density 100 gm/sqm	sqm	22.00
8772	Aluminium Track on bottom rail for uPVC window	metre	37.00
8773	Wool pile/ weather pile strip for uPVC sliding window	metre	20.00
8774	Aluminium Grill as per IS 1868	kg	279.00
8775	Steel Galvanised tubular reinforcement for uPVC door/ window	metre	62.00
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt	each	17.00
8777	GI Fastener 100x8 mm	each	15.00
8778	Toughened glass 12 mm thickness	sqm	1750.00
8779	SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia	metre	140.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
8780	SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia	metre	250.00
8781	SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia	metre	310.00
8782	SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia	metre	439.50
8783	SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia	metre	450.00
8784	8 mm thick Calcium silicate perforated tiles of size 595 x595 mm	sqm	850.00
8785	Interlocking C.C. paver block (80 mm thick, M-30)	sqm	485.00
8786	Coupling/Socket fittings for 22.22 mm outer dia SS pipe	each	70.00
8787	Coupling/Socket fittings for 28.58 mm outer dia SS pipe	each	96.25
8788	Coupling/Socket fittings for 34.00 mm outer dia SS pipe	each	135.00
8789	Coupling/Socket fittings for 42.70 mm outer dia SS pipe	each	160.00
8790	Coupling/Socket fittings for 48.60 mm outer dia SS pipe	each	180.00
8791	Reducer for 22.22 mm X 15.88 mm outer Dia SS pipe	each	108.50
8792	Reducer for 28.58 mm X 15.88 mm outer Dia SS pipe	each	152.50
8793	Reducer for 28.58 mm X 22.22 mm outer Dia SS pipe	each	161.50
8794	Reducer for 34.00 mm X 15.88 mm outer Dia SS pipe	each	200.00
8795	Reducer for 34.00 mm X 22.22 mm outer Dia SS pipe	each	210.00
8796	Reducer for 34.00 mm X 28.58 mm outer Dia SS pipe	each	210.00
8797	Reducer for 42.70 mm X 15.88 mm outer Dia SS pipe	each	375.00
8798	Reducer for 42.70 mm X 22.22 mm outer Dia SS pipe	each	375.00
8799	Reducer for 42.70 mm X 28.58 mm outer Dia SS pipe	each	390.00
8800	Reducer for 42.70 mm X 34.00 mm outer Dia SS pipe	each	390.00
8801	Reducer for 48.60 mm X 15.88 mm outer Dia SS pipe	each	425.00
8802	Reducer for 48.60 mm X 22.22 mm outer Dia SS pipe	each	425.00
8803	Reducer for 48.60 mm X 28.58 mm outer Dia SS pipe	each	425.00
8804	Reducer for 48.60 mm X 34.00 mm outer Dia SS pipe	each	425.00
8805	Reducer for 48.60 mm X 42.70 mm outer Dia SS pipe	each	425.00
8806	Slip Coupling / Socket 15.88 mm outer dia SS pipe	each	55.00
8807	Slip Coupling / Socket 22.22 mm outer dia SS pipe	each	70.00
8808	Slip Coupling / Socket 28.58 mm outer dia SS pipe	each	95.00
8809	Slip Coupling / Socket 34.00 mm outer dia SS pipe	each	135.00
8810	Slip Coupling / Socket 42.70 mm outer dia SS pipe	each	160.00
8811	Slip Coupling / Socket 48.60 mm outer dia SS pipe	each	175.00
8812	Elbow 90° for 15.88 mm outer dia SS pipe	each	65.00
8813	Elbow 90° for 22.22 mm outer dia SS pipe	each	70.00
8814	Elbow 90° for 28.58 mm outer dia SS pipe	each	105.00
8815	Elbow 90° for 34.00 mm outer dia SS pipe	each	120.00
8816	Elbow 90° for 42.70 mm outer dia SS pipe	each	130.00
8817	Elbow 90° for 48.60 mm outer dia SS pipe	each	160.00
8818	Reducing Elbow 90° for 22.22 mm X 15.88 mm outer dia SS pipe	each	150.00
8819	Reducing Elbow 90° for 28.58 mm X 15.88 mm outer dia SS pipe	each	210.00
8820	Reducing Elbow 90° for 28.58 mm X 22.22 mm outer dia SS pipe	each	250.00
8821	Reducing Elbow 90° for 34.00 mm X 22.22 mm outer dia SS pipe	each	295.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
8822	Reducing Elbow 90° for 34.00 mm X 28.58 mm outer dia SS pipe	each	350.00
8823	Reducing Elbow 90° for 42.70 mm X 34.00 mm outer dia SS pipe	each	190.00
8824	Equal Tee for 15.88 mm outer dia SS pipe	each	175.00
8825	Equal Tee for 22.22 mm outer dia SS pipe	each	250.00
8826	Equal Tee for 28.58 mm outer dia SS pipe	each	295.00
8827	Equal Tee for 34.00 mm outer dia SS pipe	each	440.00
8828	Equal Tee for 42.70 mm outer dia SS pipe	each	695.00
8829	Equal Tee for 48.60 mm outer dia SS pipe	each	915.00
8830	Reducing Tee for 22.22 mm X 15.88 mm outer dia SS pipe	each	185.00
8831	Reducing Tee for 28.58 mm X 15.88 mm outer dia SS pipe	each	290.00
8832	Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe	each	290.00
8833	Reducing Tee for 34.00 mm X 15.88 mm outer dia SS pipe	each	440.00
8834	Reducing Tee for 34.00 mm X 22.22 mm outer dia SS pipe	each	440.00
8835	Reducing Tee for 34.00 mm X 28.58 mm outer dia SS pipe	each	440.00
8836	Reducing Tee for 42.70 mm X 15.88 mm outer dia SS pipe	each	690.00
8837	Reducing Tee for 42.70 mm X 22.22 mm outer dia SS pipe	each	690.00
8838	Reducing Tee for 42.70 mm X 28.58 mm outer dia SS pipe	each	690.00
8839	Reducing Tee for 42.70 mm X 34.00 mm outer dia SS pipe	each	690.00
8840	Reducing Tee for 48.60 mm X 15.88 mm outer dia SS pipe	each	895.00
8841	Reducing Tee for 48.60 mm X 22.22 mm outer dia SS pipe	each	895.00
8842	Reducing Tee for 48.60 mm X 28.58 mm outer dia SS pipe	each	895.00
8843	Reducing Tee for 48.60mm X 34.00 mm outer dia SS pipe	each	895.00
8844	Reducing Tee for 48.60mm X 42.70mm outer dia SS pipe	each	895.00
8845	Stainless steel Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	185.00
8846	Stainless steel Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	215.00
8847	Stainless steel Male thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	215.00
8848	Stainless steel Male thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	295.00
8849	Stainless steel Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	295.00
8850	Stainless steel Male thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded	each	295.00
8851	Stainless steel Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	465.00
8852	Stainless steel Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	465.00
8853	Stainless steel Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	465.00
8854	Stainless steel Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	465.00
8855	Stainless steel Male thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	710.00
8856	Stainless steel Male thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	710.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
8857	Stainless steel Male thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	710.00
8858	Stainless steel Male thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	710.00
8859	Stainless steel Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	710.00
8860	Stainless steel Male thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	895.00
8861	Stainless steel Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	895.00
8862	Stainless steel Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	895.00
8863	Stainless steel Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	895.00
8864	Stainless steel Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	895.00
8865	Stainless steel Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	895.00
8866	Stainless steel Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	185.00
8867	Stainless steel Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	205.00
8868	Stainless steel Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	205.00
8869	Stainless steel Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	275.00
8870	Stainless steel Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	275.00
8871	Stainless steel Female thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded	each	275.00
8872	Stainless steel Female thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	445.00
8873	Stainless steel Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	445.00
8874	Stainless steel Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	445.00
8875	Stainless steel Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	445.00
8876	Stainless steel Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	700.00
8877	Stainless steel Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	700.00
8878	Stainless steel Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	700.00
8879	Stainless steel Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	700.00
8880	Stainless steel Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	700.00
8881	Stainless steel Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	905.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
8882	Stainless steel Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	905.00
8883	Stainless steel Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	905.00
8884	Stainless steel Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	905.00
8885	Stainless steel Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	905.00
8886	Stainless steel Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	905.00
8887	Stainless steel Female threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded	each	195.00
8888	Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded	each	230.00
8889	Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded	each	240.00
8890	Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 15 mm nominal threaded	each	277.00
8891	Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded	each	290.00
8892	Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded	each	355.00
8893	Stainless steel Female threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded	each	410.00
8894	Stainless steel Female threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded	each	540.00
8895	Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded	each	595.00
8896	Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded	each	695.00
8897	Stainless steel Female threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded	each	845.00
8898	Stainless steel Female threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded	each	975.00
8899	Stainless steel Male threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded	each	195.00
8900	Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded	each	230.00
8901	Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded	each	255.00
8902	Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded	each	325.00
8903	Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded	each	325.00
8904	Stainless steel Male threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded	each	475.00
8905	Stainless steel Male threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded	each	565.00
8906	Stainless steel Male threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded	each	649.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
8907	Stainless steel Male threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded	each	730.00
8908	Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded	each	850.00
8909	Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded	each	1140.00
8910	Stainless steel Valve Connector for 15.88 mm outer dia X 15 mm nominal dia threaded	each	235.00
8911	Stainless steel Valve Connector for 22.22 mm outer dia X 15 mm nominal dia threaded	each	280.00
8912	Stainless steel Valve Connector for 22.22 mm outer dia X 20 mm nominal dia threaded	each	310.00
8913	Stainless steel Valve Connector for 28.58 mm outer dia X 25 mm nominal dia threaded	each	425.00
8914	Stainless steel Valve Connector for 34.00 mm outer dia X 32 mm nominal dia threaded	each	645.00
8915	Stainless steel Valve Connector for 42.70 mm outer dia X 40 mm nominal dia threaded	each	880.00
8916	Stainless steel Valve Connector for 48.60 mm outer dia X 50 mm nominal dia threaded	each	1210.00
8917	Stainless steel Female Threaded Elbow 90° for 15.88 mm outer dia X 15 mm nominal dia threaded	each	160.00
8918	Stainless steel Female Threaded Elbow 90° for 22.22 mm outer dia X 15 mm nominal dia threaded	each	215.00
8919	Stainless steel Female Threaded Elbow 90° for 22.22 mm outer dia X 20 mm nominal dia threaded	each	215.00
8920	Stainless steel Female Threaded Elbow 90° for 28.58 mm outer dia X 25 mm nominal dia threaded	each	215.00
8921	Stainless steel Female Threaded Elbow 90° for 34.00 mm outer dia X 32 mm nominal dia threaded	each	295.00
8922	Stainless steel Female Threaded Elbow 90° for 42.70 mm outer dia X 32 mm nominal dia threaded	each	480.00
8923	Stainless steel Female Threaded Elbow 90° for 42.70 mm outer dia X 40 mm nominal dia threaded	each	480.00
8924	Stainless steel Female Threaded Elbow 90° for 48.60 mm outer dia X 40 mm nominal dia threaded	each	710.00
8925	Stainless steel Female Threaded Elbow 90° for 48.60 mm outer dia X 50 mm nominal dia threaded	each	710.00
8926	Stainless steel Male Threaded Elbow 90° for 15.88 mm outer dia X 15 mm nominal dia threaded	each	195.00
8927	Stainless steel Male Threaded Elbow 90° for 22.22 mm outer dia X 15 mm nominal dia threaded	each	225.00
8928	Stainless steel Male Threaded Elbow 90° for 22.22 mm outer dia X 20 mm nominal dia threaded	each	225.00
8929	Stainless steel Male Threaded Elbow 90° for 28.58 mm outer dia X 25 mm nominal dia threaded	each	225.00
8930	Stainless steel Male Threaded Elbow 90° for 34.00 mm outer dia X 25 mm nominal dia threaded	each	290.00
8931	Stainless steel Male Threaded Elbow 90° for 34.00 mm outer dia X 32 mm nominal dia threaded	each	290.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
8932	Stainless steel Male Threaded Elbow 90° for 42.70 mm outer dia X 32 mm nominal dia threaded	each	480.00
8933	Stainless steel Male Threaded Elbow 90° for 42.70 mm outer dia X 40 mm nominal dia threaded	each	480.00
8934	Stainless steel Male Threaded Elbow 90° for 48.60 mm outer dia X 40 mm nominal dia threaded	each	695.00
8935	Stainless steel Male Threaded Elbow 90° for 48.60 mm outer dia X 50 mm nominal dia threaded	each	695.00
8936	Stainless steel Cap for 15.88 mm outer dia pipe	each	48.00
8937	Stainless steel Cap for 22.22 mm outer dia pipe	each	70.00
8938	Stainless steel Cap for 28.58 mm outer dia pipe	each	90.00
8939	Stainless steel Cap for 34.00 mm outer dia pipe	each	175.00
8940	Stainless steel Cap for 42.70 mm outer dia pipe	each	250.00
8941	Stainless steel Cap for 48.60 mm outer dia pipe	each	325.00
8942	Stainless steel Pipe Bridge for 15.88 mm outer dia pipe	each	220.00
8943	Stainless steel Pipe Bridge for 22.22 mm outer dia pipe	each	290.00
8944	Stainless steel Pipe Bridge for 28.58 mm outer dia pipe	each	415.00
8945	4 Point facade glass bracket without flat head bolts	each	3318.00
8946	2 Point facade glass bracket (wall mounted with out flat head bolt)	each	1659.00
8947	1 Point facade glass bracket (wall mounted with out flat head bolt)	each	1300.00
8948	Flate head bolt for brackets of spider glazing	each	651.00
8949	400 mm long fin plate without fastners	pair	5931.00
8953	Micro Silica	kg	28.00
8954	Stop end tubes for diaphragm wall 600 mm dia.	sqm	4.50
8955	Driving end tubes for diaphragm wall 600 mm dia.	sqm	72.00
8956	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 15 kN/m in the longitudinal and transverse direction	sqm	120.00
8957	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 20kN/m in the longitudinal and transverse direction	sqm	135.00
8958	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 30kN/m in the longitudinal and transverse direction	sqm	205.00
8959	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse direction	sqm	290.00
8960	Geosynthetic Drainage with two filtering nonwoven geotextiles having a "W" configuration as longitudinal parallel channels. Minimum thickness to be 7.2mm, with two filtering UV stabilized polypropylene nonwoven geotextile of minimum thickness of 0.75mm having pores of 150 micron and tensile strength of 8.0 kN/m and having plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure, tensile strength of 18 kN/m , with mass per unit area of 740 gsm.	sqm	530.00
8961	Geosynthetic Drainage Composite having thermobonding a draining core - HDPE geonet comprises of two sets of parallel overlayed ribs integrally connected to have a rhomboidal shape with a polyethylene film and a nonwoven geotextile having mass per unit area 130 g/m ² and tensile strength of 8.0 kN/m having in plane flow capacity of 0.7 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 13.5 kN/m , with mass per unit area of 830 gsm,	sqm	630.00
8962	Synthetic Geogrid having Ultimate tensile strength- 100 kN/m	sqm	200.00
8963	Synthetic Geogrid Ultimate tensile strength- 150 kN/m	sqm	210.00
8964	Synthetic Geogrid Ultimate tensile strength- 200 kN/m	sqm	340.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021
8965	Synthetic Geogrid Ultimate tensile strength- 250 kN/m	sqm	350.00
8966	Synthetic Geogrid Ultimate tensile strength- 300kN/m	sqm	360.00
8967	Synthetic Geogrid Ultimate tensile strength- 350kN/m	sqm	370.00
8968	Synthetic Geogrid Ultimate tensile strength- 400kN/m	sqm	450.00
8969	Synthetic Geogrid Ultimate tensile strength- 500kN/m	sqm	500.00
8970	Synthetic Geogrid Ultimate tensile strength- 600kN/m	sqm	550.00
8971	Synthetic Geogrid Ultimate tensile strength- 700kN/m	sqm	650.00
8972	Synthetic Geogrid Ultimate tensile strength- 800kN/m	sqm	725.00
8973	Synthetic Geogrid Ultimate tensile strength- 900kN/m	sqm	850.00
8974	Synthetic Geogrid Ultimate tensile strength- 1000kN/m	sqm	950.00
8975	Synthetic Geogrid Ultimate tensile strength- 1100kN/m	sqm	1000.00
8976	Synthetic Geogrid Ultimate tensile strength- 1200kN/m	sqm	1050.00
8977	Aluminium profile industrial troughed sheet of Alloy 31500/31000/40800, conforming to IS 1254, IS 737, IS 2676, 0.71 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm.	sqm	600.00
8978	Aluminium profile industrial troughed sheet of Alloy 31500/31000/40800, conforming to IS 1254, IS 737, IS 2676, 0.91 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm.	sqm	785.00
8979	Uni Axial Woven polyster geogrid of minimum tensile strength 40KN/m in the Longitudinal direction and 20 KN/m in the Transverse direction.	sqm	139.00
8980	Uni Axial Woven polyster geogrid of minimum tensile strength 60KN/m in the Longitudinal direction and 20 KN/m in the Transverse direction	sqm	161.00
8981	Uni Axial Woven polyster geogrid of minimum tensile strength 80 KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction.	sqm	205.00
8982	Uni Axial Woven polyster geogrid of minimum tensile strength 100KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	237.00
8983	Uni Axial Woven polyster geogrid of minimum tensile strength 120KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	254.00
8984	Uni Axial Woven polyster geogrid of minimum tensile strength 150KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction.	sqm	319.00
8985	Uni Axial Woven polyster geogrid of minimum tensile strength 200KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction.	sqm	375.00
8986	Uni Axial Woven polyster geogrid of minimum tensile strength 250KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	458.00
8987	Uni Axial Woven polyster geogrid of minimum tensile strength 300KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	529.00
8988	Bi Axial Woven polyster geogrid of minimum tensile strength 20KN/m in both Longitudinal and Transverse direction.	sqm	114.00
8989	Bi Axial Woven polyster geogrid of minumume tensile strength 40KN/m in both Longitudinal and Transverse direction.	sqm	173.00
8990	Bi Axial Woven polyster geogrid of minimum tensile strength 60KN/m in both Longitudinal and Transverse direction.	sqm	223.00
9001	C.P. Brass Centre Hole Basin Mixer With Cast Spout	each	1600.00
9977	Carriage	L.S.	2.12
9988	Carriage and sundries	L.S.	2.12
9999	Sundries	L.S.	2.12

BASIC RATES

0.4 CARRIAGE CODES

(Carriage for 5.0 km lead by Mechanical Transport including loading, Unloading and stacking).

Note: - These rates are exclusive of GST, contractor's profit and overhead charges.

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
2200	Steam coal	tonne	187.35
2201	Bricks	1000 Nos	437.15
2202	Stone aggregate below 40 mm nominal size	cum	163.93
2203	Coarse sand	cum	163.93
2204	Timber	cum	187.35
2205	Steel	tonne	145.72
2206	Stone aggregate 40 mm nominal size and above	cum	178.19
2207	Brick tiles	1000 Nos	262.29
2208	Lime	cum	163.93
2209	Cement	tonne	145.72
2211	Tar bitumen	tonne	163.93
2215	Soling stone & masonry stone	cum	192.86
2216	Stone blocks white & red sand stone & kota stone slab	tonne	145.72
2224	S.W. pipes100 mm dia	100 metre	218.58
2225	S.W. pipes150 mm dia	100 metre	437.15
2226	S.W. pipes200 mm dia	100 metre	728.59
2228	S.W. pipes250 mm dia	100 metre	1249.01
2229	S.W. pipes300 mm dia	100 metre	1561.26
2241	Good earth	cum	204.92
2242	Dump manure	cum	178.19
2260	Brick aggregate	cum	178.19
2261	Sand	cum	163.93
2262	Fly ash	cum	163.93
2264	Rubbish	cum	163.93
2265	Moorum	cum	163.93
2266	Surkhi	cum	163.93
2267	Stone dust	cum	163.93
2268	Marble dust and marble chips	cum	163.93

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
2271	G.I. pipes below 100 mm dia	tonne	145.72
2272	Stainless Steel pipe below 100 mm dia	tonne	145.72
2273	A.C.sheet and accessories	tonne	145.72
2275	R.C.C. pipes 100 mm dia	100 metre	358.32
2281	R.C.C. pipes 150 mm dia	100 metre	597.20
2287	R.C.C. pipes 250 mm dia	100 metre	1380.48
2290	R.C.C. pipes 300 mm dia	100 metre	1706.30
2299	R.C.C. pipes 450 & 500 mm dia	100 metre	3981.36
2302	G.I.sheet and accessories	tonne	145.72
2303	R.C.C. pipes 600, 700, 750 & 800 mm dia	100 metre	5972.04
2308	Plaster of paris	tonne	145.72
2309	Cast iron fittings	tonne	145.72
2311	Red bajri	cum	163.93
2314	Barbed wire	tonne	145.72
2317	Sludge	cum	178.19
2319	Spun iron S & S pipes 100 mm dia	100 metre	358.32
2320	Spun iron S & S pipes 125 mm dia	100 metre	478.64
2321	Spun iron S & S pipes 150 mm dia	100 metre	597.20
2322	Spun iron S & S pipes 200 mm dia	100 metre	971.45
2323	Spun iron S & S pipes 250 mm dia	100 metre	1380.48
2324	Spun iron S & S pipes 300 mm dia	100 metre	1706.30
2325	Spun iron S & S pipes 350 mm dia	100 metre	2388.82
2326	Spun iron S & S pipes 400 mm dia	100 metre	3257.48
2327	Spun iron S & S pipes 450 mm dia	100 metre	3981.36
2328	Spun iron S & S pipes 500 mm dia	100 metre	3981.36
2329	Spun iron S & S pipes 600mm dia	100 metre	5972.04
2330	C.I. pipes 500 mm dia	100 metre	3981.36
2331	R.C.C. pipes 900 mm dia	100 metre	8958.06
2332	R.C.C. pipes 1000 mm dia	100 metre	11944.08
2333	R.C.C. pipes 1100 mm dia	100 metre	11944.08
2334	R.C.C. pipes 1200 mm dia	100 metre	11944.08
2335	Jamuna sand	cum	163.93
2336	RCC pipe above 1200 mm dia & up to 1800 mm dia	100 metre	11944.08

Code No.	Description	Unit	Basic rate as on or just before 01.04.2021 ₹
2341	Pig lead	tonne	145.72
2342	Solvent/ Diesel	quintal	16.39
2343	Ductile iron pipes (k7) 100 mm dia	100 metre	358.32
2344	Cast iron pipes 150 mm dia	100 metre	597.20
2345	Cast iron pipes 200 mm dia	100 metre	971.45
2346	Cast iron pipes 250 mm dia	100 metre	1380.48
2347	Cast iron pipes 300 mm dia	100 metre	1706.30
2348	Cast iron pipes 350 mm dia	100 metre	2388.82
2349	Cast iron pipes 400 mm dia	100 metre	3257.48
2350	Cast iron pipes 450 mm dia	100 metre	3981.36
2351	Cast iron pipes 500 mm dia	100 metre	3981.36
2352	Cast iron pipes 600 mm dia	100 metre	5972.04
2353	Cast iron pipes 700 mm dia	100 metre	5972.04
2355	Cast iron pipes 800 mm dia	100 metre	5972.04
2356	Cast iron pipes 900 mm dia	100 metre	8958.06
2357	Cast iron pipes 1000 mm dia	100 metre	11944.08
2358	Carriage of Bamboo Mat corrugated sheets and accessories	tonne	17700.00

SUB HEAD : 1.0

CARRIAGE OF MATERIALS

CARRIAGE OF MATERIALS
Data Sheet No 1 for Analysis of Rates

1.1 By Mechanical Transport including loading, unloading and stacking:

Code	Name	Unit	Rate ₹
0084	Hire charges of truck without POL	Day	2000.00
0114	Beldar	Day	645.00
0115	Coolie	Day	645.00
1235	High Speed Diesel	Litre	80.87

Lead in km (L)	Average speed (S)	Nos of Trips	Nos of km Done in one Day	Litres of Diesel consumed @ 5 km. per Litre	Cost of Diesel -1235 @ Rs. Per Litre	Cost of 6 Beldars (0114) @ Rs. Per Day	Hire charges of truck (0084) @ Rs. Per Day	Total Cost including entry tax= 6+7+8 in Rs.	Cost per Trip = col. 9/col. 3 in Rs.	Increase of cost per km over previous km in Rs	Average cost per additional km after first 5,10 and 20 km in Rs.
		N=8/(2L/S)+1	(2NL+6)								
1	2	3	4	5	6	7	8	9	10	11	12
1	km	16.00	km	7.11	20.22	4.04	326.71	3870.00	2000.00	6196.71	871.55
2	km	17.00	km	6.48	31.92	6.38	515.95	3870.00	2000.00	6385.95	985.49
3	km	17.50	km	5.96	41.76	8.35	675.26	3870.00	2000.00	6545.26	1098.20
4	km	18.00	km	5.54	50.32	10.06	813.55	3870.00	2000.00	6683.55	1206.42
5	km	18.50	km	5.19	57.90	11.58	936.47	3870.00	2000.00	6806.47	1311.46
6	km	19.00	km	4.90	64.80	12.96	1048.08	3870.00	2000.00	6918.08	1411.85
7	km	19.50	km	4.66	71.24	14.25	1152.40	3870.00	2000.00	7022.40	1506.95
8	km	20.00	km	4.44	77.04	15.41	1246.21	3870.00	2000.00	7116.21	1602.75
9	km	20.50	km	4.26	82.68	16.54	1337.59	3870.00	2000.00	7207.59	1691.92
10	km	21.00	km	4.10	88.00	17.60	1423.31	3870.00	2000.00	7293.31	1778.86
11	km	21.50	km	3.95	92.90	18.58	1502.56	3870.00	2000.00	7372.56	1866.47
12	km	22.00	km	3.83	97.92	19.58	1583.43	3870.00	2000.00	7453.43	1946.07
13	km	22.50	km	3.71	102.46	20.49	1657.03	3870.00	2000.00	7527.03	2028.85
14	km	23.00	km	3.61	107.08	21.42	1732.24	3870.00	2000.00	7602.24	2105.88
15	km	23.50	km	3.51	111.30	22.26	1800.17	3870.00	2000.00	7670.17	2185.23
16	km	24.00	km	3.43	115.76	23.15	1872.14	3870.00	2000.00	7742.14	2257.18
											71.95

Lead in km (L)	Average speed (S)	Nos of Trips	Nos of km Done in one Day	Litres of Diesel consumed @ 5 km. per Litre	Cost of Diesel -1235 @ Rs. Per Litre	Cost of 6 Beldars (0114) @ Rs. Per Day	Hire charges of truck (0084) @ Rs. Per Day	Total Cost including entry tax= 6+7+8 in Rs.	Cost per Trip = col. 9/col. 3 in Rs.	Increase of cost per km over previous km in Rs	Average cost per additional km after first 5,10 and 20 km in Rs.	
		N=8/(2L/S)+1	(2NL+6)								61.49	
1	2	3	4	5	6	7	8	9	10	11	12	
17	km	24.50	km	3.35	119.90	23.98	1939.26	3870.00	2000.00	7809.26	2331.12	73.94
18	km	25.00	km	3.28	124.08	24.82	2007.19	3870.00	2000.00	7877.19	2401.58	70.46
19	km	25.50	km	3.21	127.98	25.60	2070.27	3870.00	2000.00	7940.27	2473.60	72.02
20	km	26.00	km	3.15	132.00	26.40	2134.97	3870.00	2000.00	8004.97	2541.26	67.66
21	km	26.50	km	3.09	135.78	27.16	2196.43	3870.00	2000.00	8066.43	2610.50	69.24
22	km	27.00	km	3.04	139.76	27.95	2260.32	3870.00	2000.00	8130.32	2674.45	63.95
23	km	27.50	km	2.99	143.54	28.71	2321.78	3870.00	2000.00	8191.78	2739.73	65.28
24	km	28.00	km	2.95	147.60	29.52	2387.28	3870.00	2000.00	8257.28	2799.08	59.35
25	km	28.50	km	2.90	151.00	30.20	2442.27	3870.00	2000.00	8312.27	2866.30	67.22
26	km	29.00	km	2.86	154.72	30.94	2502.12	3870.00	2000.00	8372.12	2927.31	61.01
27	km	29.50	km	2.83	158.82	31.76	2568.43	3870.00	2000.00	8438.43	2981.78	54.47
28	km	30.00	km	2.79	162.24	32.45	2624.23	3870.00	2000.00	8494.23	3044.53	62.75
29	km	30.50	km	2.76	166.08	33.22	2686.50	3870.00	2000.00	8556.50	3100.18	55.65
30	km	31.00	km	2.73	169.80	33.96	2746.35	3870.00	2000.00	8616.35	3156.17	55.99

Notes

- 1 Number of trips in working day of 8 hours $N=8/\{(2L/S)+1\}$. Where L=Lead in Km., S=Speed in Km. per hour, 1 hour is allowed for loading /unloading.
- 2 Consumption of diesel taken at 5.00 Km. per litre.
- 3 In column 4 of 'km done' an allowance of 6.0 km has been made for movement of truck from parking place to duty & back.
- 4 (i) Cost of diesel @ (1235) per litre
(ii) Hire charges of truck (without POL) @ (0084) for a day of 8 hours.

1.0 CARRIAGE OF MATERIALS

1.1 By Mechanical Transport including loading,unloading and stacking

Code	Material	Capacity per Trip	Net Qty Payable after deduction for looseness	Unit of rates	GST on work contract @ 12% (multiplying factor 0.1405)	C.P. & Over heads @ 15%	Cess @ 1%	Cost per Trip per unit i/c GST on Work Contract @ 12%, 15% CP & OH and 1% Cess					Beyond 5 km upto 10 km per km	Beyond 10 km upto 20 km per km	Beyond 20 km per addl. km	Remarks			
								1km	2km	3km	4km	5km							
								Cost per Trip as per Col. 10 of Data sheet no. 1					As per Col. 12 of Data Sheet						
								Net Qty Payable					Net Qty Payable						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
1.1.1	Lime, moorum, building rubbish	8	8	cum	0.1405	0.15	0.01	144.32	163.18	181.85	199.77	217.16	15.48	12.62	10.18	As per Col. 12 of Data Sheet			
1.1.2	Earth	8	6.4	cum	0.1405	0.15	0.01	180.40	203.98	227.31	249.71	271.45	19.35	15.78	12.73				
1.1.3	Manure or sludge	8	7.36	cum	0.1405	0.15	0.01	156.87	177.37	197.66	217.14	236.04	16.83	13.72	11.07				
1.1.4	Excavated rock	8	4	cum	0.1405	0.15	0.01	288.63	326.37	363.69	399.53	434.32	30.96	25.25	20.36				
1.1.5	Sand, stone aggregate below 40 mm nominal size	8	8	cum	0.1405	0.15	0.01	144.32	163.18	181.85	199.77	217.16	15.48	12.62	10.18				
1.1.6	Stone aggregate 40 mm nominal size and above	8	7.36	cum	0.1405	0.15	0.01	156.87	177.37	197.66	217.14	236.04	16.83	13.72	11.07				
1.1.7	Soling stone	8	6.8	cum	0.1405	0.15	0.01	169.78	191.98	213.94	235.02	255.48	18.21	14.85	11.98				
1.1.8	Bricks	3000	3000	1000 Nos	0.1405	0.15	0.01	384.84	435.16	484.93	532.71	579.09	41.28	33.66	27.15				
1.1.9	Brick Tiles	5000	5000	1000 Nos	0.1405	0.15	0.01	230.91	261.09	290.96	319.63	347.46	24.77	20.20	16.29				
1.1.10	Cement, stone blocks, G.I.. C.I., A.C., & C.C.pipes below 100 mm dia and other heavy materials	9	9	tonne	0.1405	0.15	0.01	128.28	145.05	161.64	177.57	193.03	13.76	11.22	9.05				
1.1.11	Steel	9	9	tonne	0.1405	0.15	0.01	128.28	145.05	161.64	177.57	193.03	13.76	11.22	9.05				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.1.12	Timber	7	7	cum	0.1405	0.15	0.01	164.93	186.50	207.83	228.30	248.18	17.69	14.43	11.64	
1.1.13	Tar Bitumen	8	8	tonne	0.1405	0.15	0.01	144.32	163.18	181.85	199.77	217.16	15.48	12.62	10.18	
1.1.14	Solvent, diesel	80	80	qtl	0.1405	0.15	0.01	14.43	16.32	18.18	19.98	21.72	1.55	1.26	1.02	
1.1.15	Steam coal	7	7	tonne	0.1405	0.15	0.01	164.93	186.50	207.83	228.30	248.18	17.69	14.43	11.64	
1.1.16	S.W. pipe															
1.1.16.1	100 mm dia	600	600	100 m	0.1405	0.15	0.01	192.42	217.58	242.46	266.36	289.55	20.64	16.83	13.58	
1.1.16.2	150 mm dia	300	300	100 m	0.1405	0.15	0.01	384.84	435.16	484.93	532.71	579.09	41.28	33.66	27.15	
1.1.16.3	200 mm dia	180	180	100 m	0.1405	0.15	0.01	641.41	725.26	808.21	887.85	965.15	68.80	56.11	45.25	
1.1.16.5	250 mm dia	105	105	100 m	0.1405	0.15	0.01	1099.56	1243.30	1385.50	1522.03	1654.55	117.94	96.19	77.58	
1.1.16.6	300 mm dia	84	84	100 m	0.1405	0.15	0.01	1374.45	1554.13	1731.88	1902.54	2068.19	147.42	120.23	96.97	
1.1.16.7	350 mm dia	60	60	100 m	0.1405	0.15	0.01	1924.22	2175.78	2424.63	2663.56	2895.46	206.39	168.32	135.76	
1.1.16.8	400 mm dia	42	42	100 m	0.1405	0.15	0.01	2748.89	3108.26	3463.75	3805.08	4136.38	294.84	240.46	193.94	
1.1.16.9	450 mm dia	33	33	100 m	0.1405	0.15	0.01	3498.59	3955.97	4408.41	4842.83	5264.48	375.25	306.04	246.83	
1.1.16.10	500 mm dia	30	30	100 m	0.1405	0.15	0.01	3848.45	4351.56	4849.25	5327.11	5790.93	412.77	336.65	271.52	
1.1.16.11	600 mm dia	24	24	100 m	0.1405	0.15	0.01	4810.56	5439.46	6061.56	6658.89	7238.66	515.97	420.81	339.40	
1.1.17	R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, S.C.I. pipes, C.I. pipes and unreinforced cement pipes															
1.1.17.1	100 mm dia	366	366	100 m	0.1405	0.15	0.01	315.45	356.69	397.48	436.65	474.67	33.83	27.59	22.26	
1.1.17.2	125 mm dia	274	274	100 m	0.1405	0.15	0.01	421.36	476.45	530.94	583.26	634.04	45.19	36.86	29.73	
1.1.17.3	150 mm dia	219.6	219.6	100 m	0.1405	0.15	0.01	525.74	594.48	662.47	727.75	791.11	56.39	45.99	37.09	
1.1.17.4	200 mm dia	135	135	100 m	0.1405	0.15	0.01	855.21	967.01	1077.61	1183.80	1286.87	91.73	74.81	60.34	
1.1.17.5	250 mm dia	95	95	100 m	0.1405	0.15	0.01	1215.30	1374.18	1531.34	1682.25	1828.71	130.35	106.31	85.74	
1.1.17.6	300 mm dia	76.86	76.86	100 m	0.1405	0.15	0.01	1502.13	1698.50	1892.76	2079.28	2260.32	161.11	131.40	105.98	
1.1.17.7	350 mm dia	54.9	54.9	100 m	0.1405	0.15	0.01	2102.98	2377.90	2649.86	2910.99	3164.44	225.56	183.96	148.37	
1.1.17.8	400 mm dia	40.26	40.26	100 m	0.1405	0.15	0.01	2867.70	3242.60	3613.45	3969.53	4315.15	307.58	250.86	202.32	
1.1.17.9	450 mm & 500 mm dia	32.94	32.94	100 m	0.1405	0.15	0.01	3504.96	3963.17	4416.44	4851.65	5274.07	375.93	306.60	247.28	
1.1.17.10	600, 700, 750 & 800 mm dia	21.96	21.96	100 m	0.1405	0.15	0.01	5257.44	5944.76	6624.66	7277.47	7911.11	563.90	459.90	370.93	
1.1.17.11	900 mm dia	14.64	14.64	100 m	0.1405	0.15	0.01	7886.16	8917.14	9936.99	10916.21	11866.66	845.85	689.85	556.39	
1.1.17.12	1000, 1100 & 1200 mm dia	10.98	10.98	100 m	0.1405	0.15	0.01	10514.88	11889.52	13249.32	14554.95	15822.21	1127.80	919.80	741.85	

1.1.18 Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.

Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0084	Details of cost for 3.00 tirps of 8 cum capacity. LABOUR Hire charges of Diesel Truck - 9 tonne excluding diesel & mobile oil				
0114	Beldar	day	1.00	2000.00	2000.00
1235	Diesel oil	day	6.00	645.00	3870.00
	Total	litre	19.56	80.87	1581.82
	Add GST on "X" (multiplying factor 0.1405)				7451.82 X
	TOTAL				1046.98
	Add 15% CPOH on "Y"				8498.80 Y
	TOTAL				1274.82
	Add Cess @ 1% on "Z"				9773.62 Z
	Cost for 3.00 trips of capacity 8 cum				97.74
	Cost per trip of capacity per cum				9871.35
	Say				411.31
					411.30

1.0 CARRIAGE OF MATERIALS

1.2 By Manual Labour including loading, unloading and stacking for lead less than 0.50 KM

Data Sheet for Analysis of Rates

Code	Name	Unit	Rate ₹
0114	Beldar	day	645.00
0115	Coolie	day	645.00

The following labour work for 8 hours a day wil carry following material upto 1st 50 metre as given below:
 0114/0115 Beldars (Male/Female) 7.67 Nos. @ Rs. 645.00 = Rs. 4947.15 (X)

1	Lime, moorum, earth, building rubbish etc.	35 cum
2	Sand, ballast and boulders	28 cum
3	Bricks	15000 nos
4	Brick tiles, Allahbad roofing tiles(flat or round)	24000 nos
5	Steam coal	30 tonnes

NOTE : 1.67 extra coolie(Female coolie) will be required for every additional lead of 50 metre 0115 coolie 1.67 Nos @ Rs. 645.00 = Rs. 1077.15 (Y)

Lead in Metres	Cost per 8 hours day	Increase in cost for every additional 50
		(X)
50 metres	4947.15	1077.15

Code No.	Material	Capacity per Trip	Net Qty Payable after deduction for looseness	Unit of Rate Rs.	GST on work contract @ 12% (multiplying factor 0.1405)	C.P. & Over heads @ 15%	Cess @ 1%	Cost per 8 hours day	Cost per unit	
									cost for 1st 50 metres	cost for addl. 50m or part thereof beyond 1st 50 m upto 0.50 km.
1	2	3	4	5	6	7	8	9	10	11
1.2.1	Lime, moorum, building rubbish	35	35	cum	0.1405	0.15	0.01	6553.44	187.24	40.77
1.2.2	Earth	35	28	cum	0.1405	0.15	0.01	6553.44	234.05	50.96
1.2.3	Manure or sludge	35	32.2	cum	0.1405	0.15	0.01	6553.44	203.52	44.31
1.2.4	Excavated rock	35	17.5	cum	0.1405	0.15	0.01	6553.44	374.48	81.54
1.2.5	Sand, stone aggregate below 40 mm nominal size	28	28	cum	0.1405	0.15	0.01	6553.44	234.05	50.96
1.2.6	Stone aggregate 40 mm nominal size and above	28	25.9	cum	0.1405	0.15	0.01	6553.44	253.03	55.09
1.2.7	Solid stone	28	23.8	cum	0.1405	0.15	0.01	6553.44	275.35	59.95
1.2.8	Bricks	15000 Nos	15000	1000	0.1405	0.15	0.01	6553.44	436.90	95.13
1.2.9	Brick Tiles	24000 Nos	24000	1000	0.1405	0.15	0.01	6553.44	273.06	59.45
1.2.10	Steam Coal	30 tonne	30 tonne	tonne	0.1405	0.15	0.01	6553.44	218.45	47.56

1.0 CARRIAGE OF MATERIALS

1.2 By Manual Labour including loading, unloading and stacking for lead less than 0.50 KM

Data Sheet for Analysis of Rates

Code	Name	Unit	Rate ₹
0114	Beldar	Day	645.00
0115	Coolie	Day	645.00

The following labour work for 8 hours a day will carry following material upto 1st 50 metre as given below:

0114 Beldars 9.20 Nos @ Rs. 645.00 = Rs. 5934.00 (X)

Quantity of material as per column 3 of table below will be carried in 50 metres lead including loading and unloading.

NOTE:- 1.35 extra Beldar will be required for every additional lead of 50 metre 0114 coolie 1.35 Nos @ Rs. 645.00 = Rs. 870.75 (Y)

Code No.	Material	Capacity per Trip	Net Qty Payable after deduction for looseness	Unit of Rate Rs.	GST on work contract @ 12% (multiplying factor 0.1405)	C.P. & Over heads @ 15%	Cess @ 1%	Cost per 8 hours day Rs.	Cost per unit Rs.	
									cost for 1st 50 metres	cost for addl. 50m or part thereof beyond 1st 50 m upto 0.50 km.
1	2	3	4	5	6	7	8	9	10	11
1.2.11	Stone blocks, G.I., C.I. Stainless Steel pipes below 100 mm dia and other heavy material	46 t	46	tonne	0.1405	0.15	0.01	7860.71	170.89	25.08
1.2.12	Cement	57.99 t	57.99	tonne	0.1405	0.15	0.01	7860.71	135.55	19.89
1.2.13	Steel	27 t	27	tonne	0.1405	0.15	0.01	7860.71	291.14	42.72
1.2.14	Timber	42 cum	42	cum	0.1405	0.15	0.01	7860.71	187.16	27.46
1.2.15	Tar, bitumen etc.	46 t	46	tonne	0.1405	0.15	0.01	7860.71	170.89	25.08
1.2.16	S.W. pipe									
1.2.16.1	100 mm dia	2298 m	2298	100 m	0.1405	0.15	0.01	7860.71	342.07	50.19
1.2.16.2	150 mm dia	1398 m	1398	100 m	0.1405	0.15	0.01	7860.71	562.28	82.51
1.2.16.3	200 mm dia	999 m	999	100 m	0.1405	0.15	0.01	7860.71	786.86	115.46
1.2.16.5	250 mm dia	600 m	600	100 m	0.1405	0.15	0.01	7860.71	1310.12	192.25
1.2.16.6	300 mm dia	420 m	420	100 m	0.1405	0.15	0.01	7860.71	1871.60	274.64
1.2.16.7	350 mm dia	300 m	300	100 m	0.1405	0.15	0.01	7860.71	2620.24	384.49
1.2.16.8	400 mm dia	240 m	240	100 m	0.1405	0.15	0.01	7860.71	3275.30	480.61
1.2.16.9	450 mm dia	198 m	198	100 m	0.1405	0.15	0.01	7860.71	3970.06	582.56
1.2.16.10	500 mm dia	162 m	162	100 m	0.1405	0.15	0.01	7860.71	4852.29	712.02
1.2.16.11	600 mm dia	132 m	132	100 m	0.1405	0.15	0.01	7860.71	5955.08	873.84
1.2.17	R.C.C. pipes, Steel cylinder, R.C. pipes, C.I. pipes and unreinforced cement pipes									
1.2.17.1	100 mm dia	1702 m	1702	100 m	0.1405	0.15	0.01	7860.71	461.85	67.77
1.2.17.2	125 mm dia	1391 m	1391	100 m	0.1405	0.15	0.01	7860.71	565.11	82.92
1.2.17.3	150 mm dia	1208 m	1208	100 m	0.1405	0.15	0.01	7860.71	650.72	95.49
1.2.17.4	200 mm dia	805 m	805	100 m	0.1405	0.15	0.01	7860.71	976.49	143.29

1	2	3	4	5	6	7	8	9	10	11
1.2.17.5	250 mm dia	458 m	458	100 m	0.1405	0.15	0.01	7860.71	1716.31	251.85
1.2.17.6	300 mm dia	366 m	366	100 m	0.1405	0.15	0.01	7860.71	2147.73	315.16
1.2.17.7	350 mm dia	256 m	256	100 m	0.1405	0.15	0.01	7860.71	3070.59	450.58
1.2.17.8	400 mm dia	220 m	220	100 m	0.1405	0.15	0.01	7860.71	3573.05	524.31
1.2.17.9	450 mm & 500 mm dia	165 m	165	100 m	0.1405	0.15	0.01	7860.71	4764.07	699.08
1.2.17.10	600, 700, 750 & 800 mm dia	150 m	150	100 m	0.1405	0.15	0.01	7860.71	5240.47	768.98

1.3 Loading in or unloading cement from the railway wagons at siding and carrying the same from or into godowns adjacent to the siding, including stacking the same properly in rows upto any height as per direction of Engineer-in-charge, sweeping the wagons and screening the swept cement and filling in bags complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114 9999	Details of 23 tonnes of cement LABOUR Beldar Sundries Add for sweeping the wagon, screening the swept cement and filling the same in bags TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 23 tonne Cost of 1 tonne Say	day L.S.	3.75 2.62	645.00 2.12	2418.75 5.55 2424.30 X 340.61 2764.92 Y 414.74 3179.66 Z 31.80 3211.45 139.63 139.65

1.4 Loading in or unloading from the railway wagons as per direction of Engineer-in-charge :

1.4.1 Steel

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of 44 tonnes of steel LABOUR Beldar TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 44 tonne Cost of 1 tonne Say	day	10.66	645.00	6875.70 6875.70 X 966.04 7841.74 Y 1176.26 9018.00 Z 90.18 9108.18 207.00 207.00

1.4.2 G.I., C.I., R.C.C. or C.C. pipes upto 500 mm dia and similar heavy materials

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114 9999	Details of cost of unloading wagon of 14 tonnes LABOUR Beldar Sundries TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 14 tonne Cost of 1 tonne Say	day L.S.	2.00 3.10	645.00 2.12	1290.00 6.57 1296.57 X 182.17 1478.74 Y 221.81 1700.55 Z 17.01 1717.56 122.68 122.70

1.4.3 Heavy materials where each piece or bundle, crate or case weighs more than one tonne and R.C.C., C.I. and concrete pipes above 500 mm dia.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114 9999 9999	Details of cost of unloading wagon of 14 tonnes LABOUR Beldar Extra for fixing crane including labour involved Sundries TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 14 tonne Cost of 1 tonne Say	day L.S. L.S.	3.25 91.15 7.40	645.00 2.12 2.12	2096.25 193.24 15.69 2305.18 X 323.88 2629.05 Y 394.36 3023.41 Z 30.23 3053.65 218.12 218.10

SUB HEAD : 2.0

EARTH WORK

2.1 Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge:

2.1.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 100 Sqm LABOUR				
0115	Beldar	day	6.80	645.00	4386.00
	Coolie	day	5.60	645.00	3612.00
	TOTAL				7998.00 W
	Add 1 % Water charges on "W"				79.98
	TOTAL				8077.98 X
	Add GST on "X" (multiplying factor 0.1405)				1134.96
	TOTAL				9212.94 Y
	Add 15% CPOH on "Y"				1381.94
	TOTAL				10594.88 Z
	Add Cess @ 1% on "Z"				105.95
	Cost of 100 sqm				10700.83
	Cost of 1 sqm				107.01
	Say				107.00

2.2 Earth work in rough excavation, banking excavated earth in layers not exceeding 20cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and lift upto 1.5 m :

2.2.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 10 cum. LABOUR				
0115	Beldar	day	5.90	645.00	3805.50
0101	Coolie	day	3.60	645.00	2322.00
0113	Bhisti	day	0.40	714.00	285.60
	Chowkidar	day	0.008	645.00	5.16
	Roller charges (one roller does 1850 sqm. Of consolidation per day)				
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	0.008	3000.00	24.00
9999	Sundries	L.S.	2.73	2.12	5.79
	TOTAL				6448.05 W
	Add 1 % Water charges on "W"				64.48
	TOTAL				6512.53 X
	Add GST on "X" (multiplying factor 0.1405)				915.01
	TOTAL				7427.54 Y
	Add 15% CPOH on "Y"				1114.13
	TOTAL				8541.67 Z
	Add Cess @ 1% on "Z"				85.42
	Cost of 10 cum.				8627.09
	Cost of 1 cum.				862.71
	Say				862.70

2.3 Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with $\frac{1}{2}$ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and lift upto 1.5 m :

2.3.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum. LABOUR				
0114	Beldar	day	2.20	645.00	1419.00
0115	Coolie	day	3.60	645.00	2322.00
0101	Bhisti	day	0.40	714.00	285.60
	Roller charges (one roller does 1850 sqm. Of consolidation per day)				
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	0.008	3000.00	24.00
0113	Chowkidar	day	0.008	645.00	5.16
9999	Sundries	L.S.	2.73	2.12	5.79
	TOTAL				4061.55 W
	Add 1 % Water charges on "W"				40.62
	TOTAL				4102.16 X
	Add GST on "X" (multiplying factor 0.1405)				576.35
	TOTAL				4678.52 Y
	Add 15% CPOH on "Y"				701.78
	TOTAL				5380.29 Z
	Add Cess @ 1% on "Z"				53.80
	Cost of 10 cum.				5434.10
	Cost of 1 cum.				543.41
	Say				543.40

2.4 Deduct for not rolling with power roller of minimum 8 tonnes for banking excavated earth in layers not exceeding 20 cm in depth.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum. LABOUR				
0113	Chowkidar	day	0.008	645.00	5.16
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	0.008	3000.00	24.00
9999	Sundries	L.S.	1.82	2.12	3.86
	TOTAL				33.02 W
	Add 1 % Water charges on "W"				0.33
	TOTAL				33.35 X
	Add GST on "X" (multiplying factor 0.1405)				4.69
	TOTAL				38.03 Y
	Add 15% CPOH on "Y"				5.71
	TOTAL				43.74 Z
	Add Cess @ 1% on "Z"				0.44
	Cost of 10 cum.				44.18
	Cost of 1 cum.				4.42
	Say				4.40

2.5 Deduct for not watering the excavated earth for banking

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Details of cost for 10 cum. LABOUR Bhisti TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cum. Cost of 1 cum. Say	day	0.40	714.00	285.60 285.60 W 2.86 288.46 X 40.53 328.98 Y 49.35 378.33 Z 3.78 382.11 38.21 38.20

2.6 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.

2.6.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. Average output of Hydraulic Excavator per hour = 30cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.041	7000.00	287.00
0018	Hire and running charges of loader.	day	0.041	6000.00	246.00
0128	LABOUR Mate	day	0.32	714.00	228.48
0115	Coolie TOTAL Add 1 % Water charges on "W"	day	1.20	645.00	774.00 1535.48 W 15.35 1550.83 X
	TOTAL Add GST on "X" (multiplying factor 0.1405)				217.89
	TOTAL Add 15% CPOH on "Y"				1768.73 Y 265.31
	TOTAL Add Cess @ 1% on "Z"				2034.04 Z 20.34
	Cost of 10 cum.				2054.38
	Cost of 1 cum.				205.44
	Say				205.45

2.7 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.

2.7.1 Ordinary rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.063	7000.00	441.00
0017	Hire and running charges of tipper	day	0.063	3750.00	236.25
0132	Rock Excavator	day	0.705	645.00	454.73
0133	Rock Breaker	day	1.59	645.00	1025.55
0134	Rock Hole Driller	day	0.355	645.00	228.98
	LABOUR				
0114	Beldar	day	0.50	645.00	322.50
0115	Coolie	day	0.55	645.00	354.75
9999	Sundries	L.S.	10.79	2.12	22.87
	TOTAL				3086.62 W
	Add 1 % Water charges on "W"				30.87
	TOTAL				3117.49 X
	Add GST on "X" (multiplying factor 0.1405)				438.01
	TOTAL				3555.50 Y
	Add 15% CPOH on "Y"				533.32
	TOTAL				4088.82 Z
	Add Cess @ 1% on "Z"				40.89
	Cost of 10 cum.				4129.71
	Cost of 1 cum.				412.97
	Say				412.95

2.7.2 Hard rock (requiring blasting)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7000.00	875.00
0017	Hire and running charges of tipper	day	0.125	3750.00	468.75
0132	Rock Excavator	day	1.06	645.00	683.70
0133	Rock Breaker	day	2.825	645.00	1822.13
0134	Rock Hole Driller	day	0.885	645.00	570.83
	LABOUR				
0114	Beldar	day	0.45	645.00	290.25
0115	Coolie	day	0.55	645.00	354.75
0325	Blasting powder	kilogram	3.93	40.00	157.20
0326	Blasting fuse (fuse wire)	each	4.00	15.00	60.00
9999	Sundries	L.S.	16.12	2.12	34.17
	TOTAL				5316.77 W
	Add 1 % Water charges on "W"				53.17
	TOTAL				5369.94 X
	Add GST on "X" (multiplying factor 0.1405)				754.48
	TOTAL				6124.42 Y
	Add 15% CPOH on "Y"				918.66
	TOTAL				7043.08 Z
	Add Cess @ 1% on "Z"				70.43
	Cost of 10 cum.				7113.51
	Cost of 1 cum.				711.35
	Say				711.35

2.7.3 Hard rock (blasting prohibited)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7000.00	875.00
0017	Hire and running charges of tipper	day	0.125	3750.00	468.75
0132	Rock Excavator	day	2.47	645.00	1593.15
0133	Rock Breaker	day	6.00	645.00	3870.00
0135	Stone Chiseller	day	1.06	714.00	756.84
0103	Blacksmith 2nd class	day	0.175	714.00	124.95
0114	Beldar	day	0.75	645.00	483.75
0115	Coolie	day	1.00	645.00	645.00
9999	Sundries	L.S.	16.12	2.12	34.17
	TOTAL				8851.61 W
	Add 1 % Water charges on "W"				88.52
	TOTAL				8940.13 X
	Add GST on "X" (multiplying factor 0.1405)				1256.09
	TOTAL				10196.22 Y
	Add 15% CPOH on "Y"				1529.43
	TOTAL				11725.65 Z
	Add Cess @ 1% on "Z"				117.26
	Cost of 10 cum.				11842.91
	Cost of 1 cum.				1184.29
	Say				1184.30

2.8 Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.

2.8.1 All kinds of soil.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.04125	7000.00	288.75
0018	Hire and running charges of loader.	day	0.04125	6000.00	247.50
0128	LABOUR Mate	day	0.40	714.00	285.60
0115	Coolie	day	2.05	645.00	1322.25
	TOTAL				2144.10 W
	Add 1 % Water charges on "W"				21.44
	TOTAL				2165.54 X
	Add GST on "X" (multiplying factor 0.1405)				304.26
	TOTAL				2469.80 Y
	Add 15% CPOH on "Y"				370.47
	TOTAL				2840.27 Z
	Add Cess @ 1% on "Z"				28.40
	Cost of 10 cum.				2868.67
	Cost of 1 cum.				286.87
	Say				286.85

2.9 Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.

2.9.1 Ordinary rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.0625	7000.00	437.50
0017	Hire and running charges of tipper	day	0.0625	3750.00	234.38
0132	LABOUR Rock Excavator	day	0.885	645.00	570.83
0133	Rock Breaker	day	1.765	645.00	1138.43
0134	Rock Hole Driller	day	0.53	645.00	341.85
0114	Beldar	day	0.50	645.00	322.50
0115	Coolie	day	1.30	645.00	838.50
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				3912.64 W
	Add 1 % Water charges on "W"				39.13
	TOTAL				3951.76 X
	Add GST on "X" (multiplying factor 0.1405)				555.22
	TOTAL				4506.99 Y
	Add 15% CPOH on "Y"				676.05
	TOTAL				5183.03 Z
	Add Cess @ 1% on "Z"				51.83
	Cost of 10 cum.				5234.86
	Cost of 1 cum.				523.49
	Say				523.50

2.9.2 Hard rock (requiring blasting)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7000.00	875.00
0017	Hire and running charges of tipper	day	0.125	3750.00	468.75
0132	LABOUR Rock Excavator	day	1.24	645.00	799.80
0133	Rock Breaker	day	3.00	645.00	1935.00
0134	Rock Hole Driller	day	1.06	645.00	683.70
0114	Beldar	day	0.50	645.00	322.50
0115	Coolie	day	1.30	645.00	838.50
0325	Blasting powder	kilogram	6.42	40.00	256.80
0326	Blasting fuse (fuse wire)	each	7.00	15.00	105.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cum. Cost of 1 cum. Say	L.S.	18.85	2.12	39.96 6325.01 W 63.25 6388.26 X 897.55 7285.81 Y 1092.87 8378.68 Z 83.79 8462.47 846.25 846.25

2.9.3 Hard rock (blasting prohibited)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7000.00	875.00
0017	Hire and running charges of tipper LABOUR	day	0.125	3750.00	468.75
0132	Rock Excavator	day	2.65	645.00	1709.25
0133	Rock Breaker	day	6.175	645.00	3982.88
0135	Stone Chiseller	day	1.06	714.00	756.84
0103	Blacksmith 2nd class	day	0.175	714.00	124.95
0114	Beldar	day	0.75	645.00	483.75
0115	Coolie	day	1.50	645.00	967.50
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cum. Cost of 1 cum. Say	L.S.	17.94	2.12	38.03 9406.95 W 94.07 9501.02 X 1334.89 10835.91 Y 1625.39 12461.30 Z 124.61 12585.91 1258.59 1258.60

2.10 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :

2.10.1 All kinds of soil

2.10.1.1 Pipes, cables etc, not exceeding 80 mm dia.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Details of cost for 180m length of a pipe of an average dia. say 40mm. Slope assumed 1 in 200. Earth work and filling- Minimum depth of trench 60cm. Average depth = $(0.6+1.5)/2 = 1.05$, Width for this depth 0.45 cm, $180 \times 0.45 \times 1.05 = 85.05$ cum Rate as per item no. 2.8.1 of SH: Earth work	cum	85.05	286.85	24396.59 A
2.25	Rate as per Item Number 2.25 of SH: Earth Work TOTAL Cost of 180m length of pipes Cost for 1m. length of pipe Say	cum	85.05	253.95	21598.45 A 45995.04 45995.04 255.53 255.55

2.10.1.2 Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Details of cost for 110m length of a pipe of an average dia. say 200mm. Slope assumed 1 in 200. Earth work and filling- Minimum depth of trench = $0.75+0.20 = 0.95$ m, Average depth = $(1.50+0.95)/2 = 1.225$ m, Width = $0.40 + 0.20 = 0.60$ m, $110 \times 0.60 \times 1.225 = 80.85$ cum, 5% for collars = 4.04 cum, Total = 84.89 cum Rate as per item no. 2.8.1 of SH: Earth work	cum	84.89	286.85	24350.70 A
2.25	Rate as per Item Number 2.25 of SH: Earth Work TOTAL Cost of 110m length of pipe Cost for 1m length of pipe Say	cum	84.89	253.95	21557.82 A 45908.52 45908.51 417.35 417.35

2.10.1.3 Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 60m length of a pipe of an average dia. say 450mm. Slope assumed 1 in 200. Earth work and filling- Minimum depth of trench $0.75+0.45= 1.20$ m, Average depth = $(1.50+1.20)/2 = 1.35$, Width = $0.40 + 0.45 = 0.85$ m, $60 \times 0.85 \times 1.35 = 68.85$ cum, 5% for collars = 3.44 cum, Total = 72.29 cum				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Rate as per item no. 2.8.1 of SH: Earth work	cum	72.29	286.85	20736.39 A
2.25	Rate as per Item Number 2.25 of SH: Earth Work TOTAL Cost of 60m length of pipe Cost for 1m length of pipe Say	cum	72.29	253.95	18358.05 A 39094.44 39094.43 651.57 651.55

2.11 Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Details of cost for 300m length of pipe of an average dia. say 200mm (rate in percentage), Slope assumed 1 in 200. $100 \times 0.60 \times 1.75 = 105.00$ cum, $200 \times 0.60 \times 2.00 = 240.00$ cum. Total = 345.00 cum. Collars 5% = 17.25 cum. Total = 362.25 cum.	cum	362.25	286.85	103911.41
2.25	Rate as per Item Number 2.25 of SH: Earth Work	cum	362.25	253.95	91993.39
2.6.1	Rate as per Item Number 2.6.1 of SH: Earth Work	cum	160.00	205.45	32872.00
2.25	Rate as per Item Number 2.25 of SH: Earth Work Extra for additional lift $1/2 \times 200 \times 0.60 \times 1.50 = 135.00$ cum Collars 5% = 6.75 cum. Total = 141.75 cum	cum	160.00	253.95	40632.00
2.26.1	Rate as per Item Number 2.26.1 of SH: Earth Work Cost for 300 m. length of pipe	cum	141.75	104.50	14812.88 284221.68 P
2.10.1.2	Rate as per Item Number 2.10.1.2 of SH:Earth Work (Cost for 300 m. length of pipe upto 1.5 m depth) Extra cost for 300 metre = R = P + Q Extra cost for one metre = R/300 Percentage increase over item no 2.10.1.2 = $(R \times 100)/Q$ Say	metre	-300.00	417.35	-125205.00 Q 159016.68 R 530.06 127.01 127.00

2.12 Extra for excavating trenches for pipes, cables, etc, in all kinds of soil for depth exceeding 3 m in depth, but not exceeding 4.5 m. (Rate is over corresponding basic item for depth upto 1.5 metre.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Details of cost for a 100m length of a pipe of an average dia. say 200mm Slope assumed 1 in 200. Earth work and filling- $1 \times 100 \times 0.60 \times 2 = 120$ cum Collars 5% = 6 cum. Total = 126 cum.	cum	126.00	286.85	36143.10
2.25	Rate as per item no. 2.8.1 of SH: Earth work	cum	126.00	253.95	31997.70
2.6.1	Rate as per item no. 2.6.1 of SH: Earth work	cum	200.00	205.45	41090.00
2.25	Rate as per item No.2.25 of SH: Earth work Extra for additional lift $1 \times 100 \times 0.60 \times 1.50 = 90$ cum. $2 \times 0.50 \times 100 \times 0.60 \times 0.50 = 30$ cum. Total = 120 cum. Collars 5% = 6 cum. Total = 126 cum	cum	200.00	253.95	50790.00
2.26.1	Rate as per item no. 2.26.1 of SH: Earth work	cum	126.00	104.50	13167.00
2.10.1.2	Cost for 100 m. length of pipe Rate as per Item Number 2.10.1.2 of SH: Earth work (Cost for 100 m. length of pipe upto 1.5 m depth) Extra cost for 100 metre = R = P + Q Extra cost for one metre = R/100 Percentage increase over item no 2.10.1.2 = $(R \times 100) / Q$ Say	metre	-100.00	417.35	173187.80 P -41735.00 Q 131452.80 R 1314.53 314.97 314.95

2.13 Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m :

2.13.1 Ordinary rock :

2.13.1.1 Pipes, cables etc. not exceeding 80 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 180 m length of a pipe of a average dia. say 40mm. Slope assumed 1:200 Excavation-				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.1	Quantity same as in item No.2.10.1.1 Rate as per Item Number 2.9.1 of SH: Earth Work	cum	85.05	523.50	44523.68 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	85.05	253.95	21598.45 A
0114	Extra labour for ramming of rock Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 180 m. length of pipe Cost for 1m. length of pipe Say	day	2.00	645.00	1290.00 67412.12 W 12.90 67425.02 X 183.06 67608.08 Y 222.89 67830.97 Z 17.09 67848.06 376.93 376.95

2.13.1.2 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.1	Details of cost for 80 m length of pipe of an average dia. Say 200mm. Slope assumed 1:200 Excavation- Minimum depth of trench. $0.75+0.15+0.20 = 1.10\text{m}$ Average depth = $(1.10+1.50)/2 = 1.30\text{m}$ Minimum width of trench = 0.90m $80 \times 0.90 \times 1.30 = 93.60 \text{ cum.}$ Rate as per item no. 2.9.1 of SH: Earth Work	cum	93.60	523.50	48999.60 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	93.60	253.95	23769.72 A
0114	Extra labour for ramming of rock Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 80 m. length of pipe Cost for 1m. length of pipe Say	day	2.20	645.00	1419.00 74188.32 W 14.19 74202.51 X 201.36 74403.87 Y 245.18 74649.06 Z 18.80 74667.85 933.35 933.35

2.13.1.3 Pipes, cables exceeding 300 mm dia but not exceeding 600 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 30 m. length of a pipe of an average dia. say 450mm. Slope assumed 1 in 200. Excavation- Minimum depth of trench. $0.75+0.15+0.45 = 1.35\text{m}$ Average depth = $(1.35+1.50)/2 = 1.425\text{m}$ Minimum width of trench = 0.90m $30 \times 0.90 \times 1.425 = 38.475 \text{ cum.}$ 5% for collar = 1.924cum Total = 40.399cum				
2.9.1	Rate as per item no. 2.9.1 of SH: Earth Work	cum	40.399	523.50	21148.88 A
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	40.399	253.95	10259.33 A
0114	Beldar	day	0.94	645.00	606.30
	TOTAL				32014.50 W
	Add 1 % Water charges on "W-A"				6.06
	TOTAL				32020.57 X
	Add GST on "X-A" (multiplying factor 0.1405)				86.04
	TOTAL				32106.60 Y
	Add 15% CPOH on "Y-A"				104.76
	TOTAL				32211.36 Z
	Add Cess @ 1% on "Z-A"				8.03
	Cost for 30 m length of a pipe				32219.39
	Cost for one m length of a pipe				1073.98
	Say				1074.00

2.13.2 Hard rock (requiring blasting)

2.13.2.1 Pipes, cables etc. not exceeding 80 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Details of cost for 180 m length of a pipe of a average dia. say 40mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.10.1.1 Rate as per item no. 2.9.2 of SH: Earth Work	cum	85.05	846.25	71973.56 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock	cum	85.05	253.95	21598.45 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 180 m. length of pipe Cost for 1m. length of pipe Say	day	2.50	645.00	1612.50 95184.51 W 16.13 95200.64 X 228.82 95429.46 Y 278.62 95708.07 Z 21.36 95729.43 531.83 531.85

2.13.2.2 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Details of cost for 80 m length of a pipe of an average dia. say 200mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.13.1.2 Rate as per item no. 2.9.2 of SH: Earth Work	cum	93.60	846.25	79209.00 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock	cum	93.60	253.95	23769.72 A
0114	Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 80 m. length of pipe Cost for 1m. length of pipe Say	day	2.75	645.00	1773.75 104752.47 W 17.74 104770.21 X 251.70 105021.91 Y 306.48 105328.39 Z 23.50 105351.89 1316.90 1316.90

2.13.2.3 Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 30 m length of a pipe of an average dia. Say 450mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.13.1.3				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Rate as per item no. 2.9.2 of SH: Earth Work	cum	40.399	846.25	34187.65 A
2.25	Refilling, ramming and watering	cum	40.399	253.95	10259.33 A
0114	Rate as per item No.2.25 of SH: Earth Work	day	1.17	645.00	754.65
	Extra labour for ramming of rock				45201.63 W
	Beldar				7.55
	TOTAL				45209.18 X
	Add 1 % Water charges on "W-A"				107.09
	TOTAL				45316.26 Y
	Add GST on "X-A" (multiplying factor 0.1405)				130.39
	TOTAL				45446.66 Z
	Add 15% CPOH on "Y-A"				10.00
	TOTAL				45456.65
	Add Cess @ 1% on "Z-A"				1515.22
	Cost for 30 m. length of pipe				1515.20
	Cost for 1m. length of pipe				
	Say				

2.13.3 Hard rock (blasting prohibited)

2.13.3.1 Pipes, cables etc. not exceeding 80 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.3	Details of cost for 180 m length of a pipe of a average dia. say 40mm. Slope assumed 1:200 Excavation-	cum	85.05	1258.60	107043.93 A
2.25	Quantity same as in item No.2.10.1.1 Rate of item no 2.9.3 of SH: Earth Work	cum	85.05	253.95	21598.45 A
0114	Refilling, ramming and watering	day	2.50	645.00	1612.50
	Rate as per item No.2.25 of SH: Earth Work				130254.88 W
	Extra labour for ramming of rock				16.12
	Beldar				130271.00 X
	TOTAL				228.82
	Add 1 % Water charges on "W-A"				130499.82 Y
	TOTAL				278.62
	Add GST on "X-A" (multiplying factor 0.1405)				130778.44 Z
	TOTAL				21.36
	Add 15% CPOH on "Y-A"				130799.80
	TOTAL				726.67
	Add Cess @ 1% on "Z-A"				726.65
	Cost for 180 m. length of pipe				
	Cost for 1m. length of pipe				
	Say				

2.13.3.2 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.3	Details of cost for 80 m length of a pipe of an average dia. say 200mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.13.1.2 Rate as per item no. 2.9.3 of SH: Earth Work	cum	93.60	1258.60	117804.96 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	93.60	253.95	23769.72 A
0114	Extra labour for ramming of rock Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 80 m. length of pipe Cost for 1m. length of pipe Say	day	2.75	645.00	1773.75 143348.43 W 17.74 143366.17 X 251.70 143617.87 Y 306.48 143924.35 Z 23.50 143947.85 1799.35 1799.35

2.13.3.3 Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.3	Details of cost for 30 m length of a pipe of an average dia. Say 450mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.13.1.3 Rate as per item no. 2.9.3 of SH: Earth Work	cum	40.399	1258.60	50846.18 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	40.399	253.95	10259.33 A
0114	Extra labour for ramming of rock Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 30 m. length of pipe Cost for 1m. length of pipe Say	day	1.17	645.00	754.65 61860.16 W 7.55 61867.70 X 107.09 61974.79 Y 130.39 62105.19 Z 10.00 62115.18 2070.51 2070.50

2.14 Extra for excavating trenches for pipes, cables, etc. in ordinary/hard rock exceeding 1.5 m in depth but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Details of cost for 300m length of a pipe of an average dia. say 200mm. Slope assumed 1 in 200. Excavation- $100 \times 0.90 \times 1.50 = 157.50$ cum. $200 \times 0.90 \times 20.00 = 360$ cum. Total = 517.50 cum. Rate as per item no. 2.9.2 of SH: Earth Work	cum	517.50	846.25	437934.38 A
2.7.2	$0.50 \times 200 \times 1.90 \times 1 = 190$ cum. Rate as per item no. 2.7.2 of SH: Earth Work	cum	190.00	711.35	135156.50 A
2.25	Refilling, ramming and watering $517.50 + 190.00 = 707.50$ cum. Rate as per item No.2.25 of SH: Earth Work	cum	707.50	253.95	179669.63 A
2.26.2	Extra for additional lift $0.5 \times 300 \times 0.9 \times 1.5 = 202.50$ cum. Rate as per item no. 2.26.2 of SH: Earth Work	cum	202.50	187.40	37948.50 A
0114	Extra labour for ramming of rock Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 300m length of pipe Rate as per Item No.2.13.2.2 of SH: Earth Work (cost of 300 m length of pipe upto 1.5m depth) Extra cost for 300 metre = P + Q Extra cost for one metre Percentage increase over item 2.13.2.2 = $(Rx100)/Q$ Say	day	16.50	645.00	10642.50 801351.50 W 106.43 801457.93 X 1510.22 802968.15 Y 1838.87 804807.02 Z 140.98 804948.00 P
2.13.2.2	metre	-300.00	1316.90	-395070.00 Q 409878.00 R 1366.26 103.75 103.75	

2.15 Extra for excavating trenches for pipes, cables, etc. in ordinary/hard rock exceeding 3m in depth but not exceeding 4.5 m. (Rate is over corresponding basic item for depth upto 1.5 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100m length of a pipe of an average dia. say 200mm. (rate in percentage) Slope assumed 1 in 200.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Max depth assumed 3.5m Excavation- $100 \times 0.90 \times 2 = 180$ cum. Rate as per item no. 2.9.2 of SH: Earth Work $100 \times 1.90 \times 1.25 = 237.5$ cum	cum	180.00	846.25	152325.00 A
2.7.2	Rate as per item no. 2.7.2 of SH: Earth Work Extra for additional lift $1 \times 100 \times 0.90 \times 1.50 = 135$ $2 \times 0.50 \times 100 \times 0.90 \times 0.50 = 45$ Total = 180 cum.	cum	237.50	711.35	168945.63 A
2.26.2	Rate as per item no. 2.26.2 of SH: Earth Work Refilling, ramming and watering $180+237.50 = 417.50$ cum.	cum	180.00	187.40	33732.00 A
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock	cum	417.50	253.95	106024.13 A
0114	Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 100m length of pipe	day	9.25	645.00	5966.25 466993.00 W 59.66 467052.66 X 846.64 467899.30 Y 1030.88 468930.19 Z 79.03 469009.22 P
2.13.2.2	Rate as per item No 2.13.2.2 of SH: Earth Work (cost of 100 m length of pipe exceeding 1.5 m and upto 3 m depth) Extra cost for 100 m = P + Q Extra cost for 1 m Percentage increase over item 2.13.2.2 = $(R \times 100)Q$ Say	metre	-100.00	1316.90	-131690.00 Q 337319.22 R 3373.19 256.15 256.15

2.16 Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).

2.16.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a trench 30m long and 1.5m deep area $2 \times 30 \times 1.50 = 90$ sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Second class kail wood in planks 90x0.038 = 3.42 cum = 3420 cu dm Qty taken for cost of using once after deducting for credit = $3420 \times \frac{1}{4} \times \frac{1}{4} = 213.75 \text{ dm}^3$	10 cu dm	21.375	260.00	5557.50
1197	Wallings 100mmx 100mm of Second class kail wood in scantling 4x30x0.10x0.10 = 1.20cum= 1200 cu dm Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75 \text{ dm}^3$	10 cu dm	7.50	260.00	1950.00
0302	Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.50 = 51\text{m}$ Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.1875 \text{ m}$ CARRIAGE Poling boards = 3.42 cum Walling = 1.20 cum. Balli struts: $3.14/4 \times (0.125)^3 \times 51 = 0.63 \text{ cum}$ Total of carriage = $5.25 \times \frac{1}{4} = 1.3125 \text{ cum.}$	metre	3.1875	40.00	127.50
2204	Carriage of Timber	cum	1.3125	187.35	245.90
0112	Carpenter 2nd class	day	0.50	714.00	357.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries	L.S.	26.91	2.12	57.05
	TOTAL				8939.95 W
	Add 1 % Water charges on "W"				89.40
	TOTAL				9029.35 X
	Add GST on "X" (multiplying factor 0.1405)				1268.62
	TOTAL				10297.97 Y
	Add 15% CPOH on "Y"				1544.70
	TOTAL				11842.66 Z
	Add Cess @ 1% on "Z"				118.43
	Cost of 90 Sqm.				11961.09
	Cost per sqm.				132.90
	Say				132.90

2.16.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a trench 30m long and 1.5m deep Area $2 \times 30 \times 1.50 = 90 \text{ sqm}$ MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Second class kail wood in planks 90x0.038 = 3.42 cum = 3420 cumd Qty taken for cost of using once after deducting for credit = 3420x $\frac{1}{4}$ x $\frac{1}{4}$ = 213.75 dm ³	10 cumd	21.375	260.00	5557.50
1197	Walings 100 mmx 100mm of Second class kail wood in scantling 4x30x0.10x0.10 = 1.20cum = 1200 cumd Qty taken for cost of using once after deducting for credit = 1200x $\frac{1}{4}$ x $\frac{1}{4}$ = 75 dm ³	10 cumd	7.50	260.00	1950.00
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.50 = 51m Qty taken for cost of using once after deducting for credit = 51x $\frac{1}{4}$ x $\frac{1}{4}$ = 3.1875 m CARRIAGE Poling boards = 3.42 cum Walling= 1.20 cum. Balli struts: $3.14/4 \times (0.125)^3 \times 51$ = 0.63 cum Total of carriage = 5.25x $\frac{1}{4}$ = 1.3125 cum.	metre	3.1875	40.00	127.50
2204	Carriage of Timber	cum	1.3125	187.35	245.90
0112	Carpenter 2nd class	day	0.75	714.00	535.50
0114	Beldar	day	2.00	645.00	1290.00
9999	Sundries	L.S.	40.43	2.12	85.71
	TOTAL				9792.11 W
	Add 1 % Water charges on "W"				97.92
	TOTAL				9890.03 X
	Add GST on "X" (multiplying factor 0.1405)				1389.55
	TOTAL				11279.58 Y
	Add 15% CPOH on "Y"				1691.94
	TOTAL				12971.52 Z
	Add Cess @ 1% on "Z"				129.72
	Cost of 90 Sqm.				13101.23
	Cost per sqm.				145.57
	Say				145.55

2.16.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a trench 30m long and 1.5m deep Area 2x30x1.5=90 sqm- MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Second class kail wood in planks 90x0.038 = 3.42 cum = 3420 cu dm Qty taken for cost of using once after deducting for credit = $3420 \times \frac{1}{4} \times \frac{1}{4} = 213.75 \text{dm}^3$	10 cu dm	21.375	260.00	5557.50
1197	Wallings 100mmx 100mm of Second class kail wood in scantling $4 \times 30 \times 0.10 \times 0.10 = 1.20 \text{cum} = 1200 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75 \text{ dm}^3$	10 cu dm	7.50	260.00	1950.00
0302	Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51 \text{m}$ Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.1875 \text{ m}$ CARRIAGE Poling boards = 3.42 cum Walling = 1.20 cum. Balli struts: $3.14/4 \times (0.125)^3 \times 51 = 0.63 \text{ cum}$ Total of carriage = $5.25 \times \frac{1}{4} = 1.3125 \text{ cum.}$	metre	3.1875	40.00	127.50
2204	Carriage of Timber	cum	1.3125	187.35	245.90
0112	LABOUR				
0114	Carpenter 2nd class	day	1.50	714.00	1071.00
9999	Beldar	day	4.00	645.00	2580.00
	Sundries	L.S.	80.73	2.12	171.15
	TOTAL				11703.04 W
	Add 1 % Water charges on "W"				117.03
	TOTAL				11820.07 X
	Add GST on "X" (multiplying factor 0.1405)				1660.72
	TOTAL				13480.80 Y
	Add 15% CPOH on "Y"				2022.12
	TOTAL				15502.91 Z
	Add Cess @ 1% on "Z"				155.03
	Cost of 90 Sqm.				15657.94
	Cost per sqm.				173.98
	Say				174.00

2.17 Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered).

2.17.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a manhole 1.2m x 1.0m x 1.5m Surface area: $2 \times (1.2 + 1.0) \times 1.5 = 6.6 \text{sqm}$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks $6.60 \times 0.038 = 0.251$ cum = 251 cu dm Qty taken for cost of using once after deducting for credit = $251 \times \frac{1}{4} \times \frac{1}{4}$ = 15.6875 dm ³	10 cu dm	1.56875	260.00	407.88
1197	Wallings 100mmx 100mm of Second class kail wood in scantling $2 \times 2 \times 1.124 \times 0.1 \times 0.1 = 0.045$ cum $2 \times 2 \times 0.924 \times 0.1 \times 0.1 = 0.037$ cum. Total Kail wood = 0.082 cum. = 82dm ³ Qty taken for cost of using once after deducting for credit = $82 \times \frac{1}{4} \times \frac{1}{4}$ = 5.125 dm ³	10 cu dm	0.5125	260.00	133.25
0302	Safeda ballies 125 mm diameter and 1.50m long $2 \times 2 \times 0.924 = 3.696$ $2 \times 2 \times 0.724 = 2.896$ Total of balli = 6.592m Qty taken for cost of using once after deducting for credit = $6.592 \times \frac{1}{4} \times \frac{1}{4}$ = 0.4118m	metre	0.4118	40.00	16.47
2204	Carriage of Timber CARRIAGE Poling boards = 0.251 cum Walling = 0.082 cum. Balli struts $3.14/4 \times (0.125)^2 \times 6.59$ = 0.081 cum. Total of carriage = 0.414 cum x $\frac{1}{4}$ = 0.1035 cum	cum	0.1035	187.35	19.39
0112	Labour Carpenter 2nd class	day	0.06	714.00	42.84
0114	Beldar	day	0.12	645.00	77.40
9999	Sundries	L.S.	2.73	2.12	5.79
	TOTAL				703.02 W
	Add 1 % Water charges on "W"				7.03
	TOTAL				710.05 X
	Add GST on "X" (multiplying factor 0.1405)				99.76
	TOTAL				809.81 Y
	Add 15% CPOH on "Y"				121.47
	TOTAL				931.28 Z
	Add Cess @ 1% on "Z"				9.31
	Cost of 6.6 sqm.				940.59
	Cost per sqm.				142.51
	Say				142.50

2.17.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for a manhole 1.2m x 1.0m x1.5m- Surface area: $2 \times (1.2+1.0) \times 1.5 = 6.6\text{sqm}$ MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks $6.6 \times 0.038 = 0.251 \text{ cum} = 251 \text{ cu dm}$ Qty taken for cost of using once after deducting for credit = $251 \times \frac{1}{4} \times \frac{1}{4} = 15.6875 \text{ dm}^3$ Walling of</p>	10 cu dm	1.56875	260.00	407.88
1197	Second class kail wood in scantling $2 \times 2 \times 1.124 \times 0.1 \times 0.1 = 0.045 \text{ cum}$ $2 \times 2 \times 0.924 \times 0.1 \times 0.1 = 0.037 \text{ cum.}$ Total Kail wood = $0.082 \text{ cum.} = 82\text{dm}^3$ Qty taken for cost of using once after deducting for credit = $82 \times \frac{1}{4} \times \frac{1}{4} = 5.125 \text{ dm}^3$	10 cu dm	0.5125	260.00	133.25
0302	Safeda ballies 125 mm diameter and 1.5m long $2 \times 2 \times 0.924 = 3.696$ $2 \times 2 \times 0.724 = 2.896$ Total of balli = 6.592m Qty taken for cost of using once after deducting for credit = $6.592 \times \frac{1}{4} \times \frac{1}{4} = 0.4118\text{m}$	metre	0.4118	40.00	16.47
2204	Carriage of Timber CARRIAGE Poling boards = 0.251 cum Walling = 0.082 cum. Balli struts $3.14/4 \times (0.125)^2 \times 6.59 = 0.081 \text{ cum.}$ Total of carriage = $0.414 \text{ cum} \times \frac{1}{4} = 0.1035 \text{ cum}$ LABOUR	cum	0.1035	187.35	19.39
0112	Carpenter 2nd class	day	0.12	714.00	85.68
0114	Beldar	day	0.25	645.00	161.25
9999	Sundries	L.S.	5.46	2.12	11.58
	TOTAL				835.49 W
	Add 1 % Water charges on "W"				8.35
	TOTAL				843.85 X
	Add GST on "X" (multiplying factor 0.1405)				118.56
	TOTAL				962.41 Y
	Add 15% CPOH on "Y"				144.36
	TOTAL				1106.77 Z
	Add Cess @ 1% on "Z"				11.07
	Cost of 6.6 sqm.				1117.84
	Cost per sqm.				169.37
	Say				169.35

2.17.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for a manhole 1.2m x 1.0m x1.5m- Surface area: $2 \times (1.2+1.0) \times 1.5 = 6.6 \text{ sqm}$ MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks $6.6 \times 0.038 = 0.251 \text{ cum} = 251 \text{ cu dm}$ Qty taken for cost of using once after deducting for credit = $251 \times \frac{1}{4} \times \frac{1}{4} = 15.6875 \text{ dm}^3$ Walling of Second class kail wood in scantling $2 \times 2 \times 1.124 \times 0.10 \times 0.10 = 0.045 \text{ cum}$ $2 \times 2 \times 0.924 \times 0.10 \times 0.10 = 0.037 \text{ cum.}$ Total Kail wood = $0.082 \text{ cum.} = 82 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $82 \times \frac{1}{4} \times \frac{1}{4} = 5.125 \text{ dm}^3$</p>	10 cu dm	1.56875	260.00	407.88
1197		10 cu dm	0.5125	260.00	133.25
0302	<p>Safeda ballies 125 mm diameter and 1.50m long $2 \times 2 \times 0.924 = 3.696$ $2 \times 2 \times 0.724 = 2.896$ Total of balli = 6.592m Qty taken for cost of using once after deducting for credit = $6.592 \times \frac{1}{4} \times \frac{1}{4} = 0.4118 \text{ m}$</p>	metre	0.4118	40.00	16.47
2204	<p>Carriage of Timber CARRIAGE Poling boards = 0.251 cum Walling = 0.082 cum. Balli struts $3.14/4 \times (0.125)^2 \times 6.59 = 0.081 \text{ cum.}$ Total of carriage = $0.414 \text{ cum} \times \frac{1}{4} = 0.1035 \text{ cum}$ LABOUR</p>	cum	0.1035	187.35	19.39
0112	Carpenter 2nd class	day	0.19	714.00	135.66
0114	Beldar	day	0.38	645.00	245.10
9999	Sundries	L.S.	8.06	2.12	17.09
	TOTAL				974.83 W
	Add 1 % Water charges on "W"				9.75
	TOTAL				984.58 X
	Add GST on "X" (multiplying factor 0.1405)				138.33
	TOTAL				1122.92 Y
	Add 15% CPOH on "Y"				168.44
	TOTAL				1291.35 Z
	Add Cess @ 1% on "Z"				12.91
	Cost of 6.6 sqm.				1304.27
	Cost per sqm.				197.62
	Say				197.60

2.18 Close timbering over areas including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered):

2.18.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for an area 30m long and 1.50m deep- Area -30x1.5m = 45 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks 250x38mm : 45x0.038 = 1.71 cum = 1710 cudm Qty taken for cost of using once after deducting for credit = 1710x1/4x1/4 = 106.875 dm ³	10 cudm	10.6875	260.00	2778.75
1197	Wallings 100mmx 100mm of Second class kail wood in scantling 100x100mm : 30x0.10x0.10 = 0.30cum = 300 cudm Qty taken for cost of using once after deducting for credit = 300x1/4x1/4 = 18.75 dm ³	10 cudm	1.875	260.00	487.50
0302	Raking struts Safeda ballies 125 mm diameter Qty taken for cost of using once after deducting for credit = 25.5x1/4x1/4 = 1.59 m	metre	1.59	40.00	63.60
2204	Carriage of Timber CARRIAGE Poling boards = 1.71 cum Walling = 0.30 cum Raking struts 3.14/4x(0.125) ² = 0.313 cum Total of carriage = 2.323 cum x1/4 = 0.581 cum	cum	0.581	187.35	108.85
0112	LABOUR Carpenter 2nd class	day	0.25	714.00	178.50
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries	L.S.	31.46	2.12	66.70
	TOTAL				4006.40 W
	Add 1 % Water charges on "W"				40.06
	TOTAL				4046.46 X
	Add GST on "X" (multiplying factor 0.1405)				568.53
	TOTAL				4614.99 Y
	Add 15% CPOH on "Y"				692.25
	TOTAL				5307.24 Z
	Add Cess @ 1% on "Z"				53.07
	Cost of 45 Sqm.				5360.31
	Cost per sqm.				119.12
	Say				119.10

2.18.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for an area 30m long and 1.5m deep- Area -30x1.5m = 45 sqm.</p> <p>MATERIAL</p> <p>The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks 250x38mm : 45x0.038 = 1.71 cum =1710 cudm Qty taken for cost of using once after deducting for credit = 1710x1/4x1/4 = 106.875 dm³</p> <p>Walling of</p>	10 cudm	10.6875	260.00	2778.75
1197	<p>Second class kail wood in scantling 100x100mm : 30x0.10x0.10 = 0.30cum = 300 cudm</p> <p>Qty taken for cost of using once after deducting for credit = 300x1/4x1/4 = 18.75 dm³</p>	10 cudm	1.875	260.00	487.50
0302	<p>Raking struts</p> <p>Safeda ballies 125 mm diameter 17 x 1.5 = 25.5m</p> <p>Qty taken for cost of using once after deducting for credit = 25.5x1/4x1/4 = 1.59 m</p>	metre	1.59	40.00	63.60
2204	<p>Carriage of Timber</p> <p>CARRIAGE</p> <p>Poling boards = 1.71 cum</p> <p>Walling = 0.30 cum.</p> <p>Raking struts 3.14/4x(0.125)² = 0.313 cum</p> <p>Total of carriage = 2.323 cum x1/4 = 0.581 cum</p> <p>LABOUR</p>	cum	0.581	187.35	108.85
0112	Carpenter 2nd class	day	0.50	714.00	357.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries	L.S.	34.06	2.12	72.21
	TOTAL				4512.91 W
	Add 1 % Water charges on "W"				45.13
	TOTAL				4558.04 X
	Add GST on "X" (multiplying factor 0.1405)				640.40
	TOTAL				5198.44 Y
	Add 15% CPOH on "Y"				779.77
	TOTAL				5978.21 Z
	Add Cess @ 1% on "Z"				59.78
	Cost of 45 Sqm.				6037.99
	Cost per sqm.				134.18
	Say				134.20

2.18.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for an area 30m long and 1.5m deep- Area -30x1.5m = 45 sqm.</p> <p>MATERIAL</p> <p>The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of</p> <p>Second class kail wood in planks 250x38mm : 45x0.038 = 1.71 cum = 1710 cudm Qty taken for cost of using once after deducting for credit = $1710 \times \frac{1}{4} \times \frac{1}{4}$ = 106.875 dm³</p>	10 cudm	10.6875	260.00	2778.75
1197	<p>Walling of</p> <p>Second class kail wood in scantling 100x100mm : 30x0.10x0.10 = 0.30cum = 300 cudm</p> <p>Qty taken for cost of using once after deducting for credit = $300 \times \frac{1}{4} \times \frac{1}{4}$ = 18.75 dm³</p>	10 cudm	1.875	260.00	487.50
0302	<p>Raking struts</p> <p>Safeda ballies 125 mm diameter and 1.5m long $17 \times 1.50 = 25.5m$</p> <p>Qty taken for cost of using once after deducting for credit = $25.5 \times \frac{1}{4} \times \frac{1}{4}$ = 1.59 m</p>	metre	1.59	40.00	63.60
2204	<p>Carriage of Timber</p> <p>CARRIAGE</p> <p>Poling boards = 1.71 cum Walling = 0.30 cum. Raking struts $3.14/4 \times (0.125)^2$ = 0.313 cum Total of carriage = 2.323 cum x$\frac{1}{4}$ = 0.581 cum</p> <p>LABOUR</p>	cum	0.581	187.35	108.85
0112	Carpenter 2nd class	day	0.75	714.00	535.50
0114	Beldar	day	1.50	645.00	967.50
9999	Sundries	L.S.	47.58	2.12	100.87
	TOTAL				5042.57 W
	Add 1 % Water charges on "W"				50.43
	TOTAL				5093.00 X
	Add GST on "X" (multiplying factor 0.1405)				715.57
	TOTAL				5808.56 Y
	Add 15% CPOH on "Y"				871.28
	TOTAL				6679.85 Z
	Add Cess @ 1% on "Z"				66.80
	Cost of 45 Sqm.				6746.64
	Cost per sqm.				149.93
	Say				149.95

2.19 Extra for planking, strutting and packing materials for cavities (in close timbering) if required to be left permanently in position. (Face area of timber permanently left to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a trench 30m long and 1.5m deep area $2 \times 30 \times 1.5 = 90$ sqm- MATERIAL Poling boards of Second class kail wood in planks $90 \times 0.038 = 3.42$ cum = 3420 cudm Less @ 1/8 of Qty as timber is supposed to be used once before = $3420 - 427.5 = 2992.5$ dm ³ Walings 100mmx100mm of Second class kail wood in scantling $4 \times 30 \times 0.10 \times 0.10 = 1.20$ cum = 1200 cudm Less @ 1/8 of Qty as timber is supposed to be used once before = $1200 - 150 = 1050$ dm ³ Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51$ m Less @ 1/8 of Qty as timber is supposed to be used once before = $51 - 6.37 = 44.63$ m Carriage of Timber Poling boards = 3.42 cum Walling= 1.20 cum. Balli struts: $3.14/4 \times (0.125)^2 \times 51$ = 0.63 cum = 5.25 cum Taking half = $5.25 \times \frac{1}{2}$ = 2.675 cum TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 90 Sqm. Cost per sqm. Say	10 cudm	299.25	260.00	77805.00
1197		10 cudm	105.00	260.00	27300.00
0302		metre	44.63	40.00	1785.20
2204		cum	2.675	187.35	501.16
					107391.36 W
					1073.91
					108465.27 X
					15239.37
					123704.65 Y
					18555.70
					142260.34 Z
					1422.60
					143682.95
					1596.48
					1596.50

2.20 Open timbering in trenches including strutting and shoring complete (measurements to be taken of the face area timbered):

2.20.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a trench of length 30m and 1.50m deep surface area - $2 \times 30 \times 1.5 = 90$ sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling board of Second class kail wood in planks $1.5 \text{m} \times 0.25 \text{m} \times 0.038 \text{m}$ $2 \times 40 \times 1.5 \times 0.25 \times 0.038 = 1.14 \text{cum}$ $= 1140 \text{ cumd}$ Qty taken for cost of using once after deducting for credit = $1140 \times \frac{1}{4} \times \frac{1}{4}$ $= 71.25 \text{ cumd}$	10 cumd	7.125	260.00	1852.50
1197	Second class kail wood in scantling Walling 100mmx100mm : $4 \times 30 \text{m} \times 0.10 \text{m} \times 0.10 \text{m} = 1.20 \text{cum} = 1200 \text{ cumd}$ Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4}$ $= 75 \text{ dm}^3$	10 cumd	7.50	260.00	1950.00
0302	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.50 = 51 \text{m}$ Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.18 \text{ m}$	metre	3.18	40.00	127.20
2204	Carriage of Timber CARRIAGE: Poling boards = 1.14 cum Walling = 1.20 cum Ballies struts $3.14/4 \times (0.125)^2$ $= 0.63 \text{ cum}$ Total of carriage = $2.97 \text{ cum} \times \frac{1}{4} = 0.74$	cum	0.74	187.35	138.64
0112	LABOUR Carpenter 2nd class	day	0.25	714.00	178.50
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries	L.S.	19.76	2.12	41.89
	TOTAL				4611.23 W
	Add 1 % Water charges on "W"				46.11
	TOTAL				4657.34 X
	Add GST on "X" (multiplying factor 0.1405)				654.36
	TOTAL				5311.70 Y
	Add 15% CPOH on "Y"				796.75
	TOTAL				6108.45 Z
	Add Cess @ 1% on "Z"				61.08
	Cost of 90 Sqm				6169.54
	Cost per sqm.				68.55
	Say				68.55

2.20.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a trench of length 30m and 1.5m deep surface area - $2 \times 30 \times 1.5 = 90$ sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks $1.50 \text{m} \times 0.25 \text{m} \times 0.038 \text{m}$ $2 \times 40 \times 1.50 \times 0.25 \times 0.038 = 1.14 \text{cum} = 1140 \text{ cu dm}$ Qty taken for cost of using once after deducting for credit = $1140 \times \frac{1}{4} \times \frac{1}{4} = 71.25 \text{ dm}^3$ Wallings of Second class kail wood in scantling $100 \text{mm} \times 100 \text{mm}$: $4 \times 30 \text{m} \times 0.10 \text{m}$ $0.10 \text{m} = 1.20 \text{cum} = 1200 \text{ cu dm}$ Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75 \text{ dm}^3$	10 cu dm	7.125	260.00	1852.50
1197	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51 \text{m}$ Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.18 \text{ m}$	metre	3.18	40.00	127.20
0302	Carriage of Timber CARRIAGE: Poling boards = 1.14 cum Walling Ballies struts $3.14/4 \times (0.125)^2 = 0.63 \text{ cum}$ Total of carriage = $2.97 \text{ cum} \times \frac{1}{4} = 0.74$	cum	0.74	187.35	138.64
2204	LABOUR Carpenter 2nd class Beldar Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 90 Sqm Cost per sqm. Say	day day L.S.	0.50 1.00 33.15	714.00 645.00 2.12 5140.62 W 51.41 5192.02 X 729.48 5921.50 Y 888.23 6809.73 Z 68.10 6877.83 76.42 76.40	357.00 645.00 70.28 5140.62 W 51.41 5192.02 X 729.48 5921.50 Y 888.23 6809.73 Z 68.10 6877.83 76.42 76.40
0112					
0114					
9999					

2.20.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for a trench of length 30m and 1.5m deep surface area - $2 \times 30 \times 1.5 = 90$ sqm.</p> <p>MATERIAL</p> <p>The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks $1.50 \text{m} \times 0.25 \text{m} \times 0.038 \text{m} : 2 \times 40 \times 1.5 \times 0.25 \times 0.038 = 1.14 \text{ cum} = 1140 \text{ cu dm}$</p> <p>Qty taken for cost of using once after deducting for credit = $1140 \times \frac{1}{4} \times \frac{1}{4} = 71.25 \text{ dm}^3$</p>	10 cu dm	7.125	260.00	1852.50
1197	<p>Wallings of Second class kail wood in scantling $100 \text{mm} \times 100 \text{mm} : 4 \times 30 \text{m} \times 0.1 \text{m} \times 0.1 \text{m} = 1.20 \text{cum} = 1200 \text{ cu dm}$</p> <p>Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75 \text{ dm}^3$</p>	10 cu dm	7.50	260.00	1950.00
0302	<p>Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51 \text{m}$</p> <p>Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.18 \text{ m}$</p>	metre	3.18	40.00	127.20
2204	<p>Carriage of Timber</p> <p>CARRIAGE:</p> <p>Poling boards = 1.14 cum</p> <p>Walling = 1.20 cum</p> <p>Ballies struts $3.14/4 \times (0.125)^2 = 0.63 \text{ cum}$</p> <p>Total of carriage = $2.97 \text{ cum} \times \frac{1}{4} = 0.74 \text{ cum}$</p>	cum	0.74	187.35	138.64
0112	Carpenter 2nd class	day	1.00	714.00	714.00
0114	Beldar	day	1.75	645.00	1128.75
9999	Sundries	L.S.	46.67	2.12	98.94
	TOTAL				6010.03 W
	Add 1 % Water charges on "W"				60.10
	TOTAL				6070.13 X
	Add GST on "X" (multiplying factor 0.1405)				852.85
	TOTAL				6922.98 Y
	Add 15% CPOH on "Y"				1038.45
	TOTAL				7961.43 Z
	Add Cess @ 1% on "Z"				79.61
	Cost of 90 Sqm				8041.04
	Cost per sqm.				89.34
	Say				89.35

2.21 Open timbering in case of shafts, wells, cesspits, manholes and the like including strutting and shoring complete (Measurements to be taken of the face area timbered):

2.21.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a manhole 1.2x 1m x 1.5m Surface area $2(1.2+1.0) \times 1.5 = 6.6$ sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm wide and 38mm thick $6 \times 0.25 \times 1.5 \times 0.038 = 0.086$ cum = 86cudm Qty taken for cost of using once after deducting for credit = $86 \times \frac{1}{4} \times \frac{1}{4}$ = 5.3755 dm ³ Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.2 \times 0.1 \times 0.1 = 0.048$ cum = 48 dm ³ Qty taken for cost of using once after deducting for credit = $486 \times \frac{1}{4} \times \frac{1}{4} = 3$ dm ³ Struts of Safeda ballies 125 mm diameter $(4 \times 1.0 = 4.0) + (2 \times 1.2 = 2.4) = 6.4$ m Qty taken for cost of using once after deducting for credit = $6.4 \times \frac{1}{4} \times \frac{1}{4} = 0.4$ m	10 cudm	0.5375	260.00	139.75
1197	Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.2 \times 0.1 \times 0.1 = 0.048$ cum = 48 dm ³ Qty taken for cost of using once after deducting for credit = $486 \times \frac{1}{4} \times \frac{1}{4} = 3$ dm ³	10 cudm	0.30	260.00	78.00
0302	Safeda ballies 125 mm diameter $(4 \times 1.0 = 4.0) + (2 \times 1.2 = 2.4) = 6.4$ m Qty taken for cost of using once after deducting for credit = $6.4 \times \frac{1}{4} \times \frac{1}{4} = 0.4$ m	metre	0.40	40.00	16.00
2204	CARRIAGE : Poling boards = 0.086 cum Walling Ballies struts $3.14/4 \times (0.125)^2 \times 6.4$ = 0.079 cum Total of carriage = 0.213 cum $\times \frac{1}{4}$ = 0.053 cum LABOUR Carpenter 2nd class Beldar Sundries	cum	0.053	187.35	9.93
0112	Carpenter 2nd class	day	0.03	714.00	21.42
0114	Beldar	day	0.06	645.00	38.70
9999	Sundries	L.S.	1.82	2.12	3.86
	TOTAL				307.66 W
	Add 1 % Water charges on "W"				3.08
	TOTAL				310.73 X
	Add GST on "X" (multiplying factor 0.1405)				43.66
	TOTAL				354.39 Y
	Add 15% CPOH on "Y"				53.16
	TOTAL				407.55 Z
	Add Cess @ 1% on "Z"				4.08
	Cost of 6.6 sqm.				411.63
	Cost per sqm.				62.37
	Say				62.35

2.21.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for a manhole 1.2x 1m x 1.5m Surface area $2(1.2+1.0) \times 1.5 = 6.6$ sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm wide and 38mm thick : $6 \times 0.25 \times 1.50 \times 0.038 = 0.086$ cum = 86cudm Qty taken for cost of using once after deducting for credit = $86 \times \frac{1}{4} \times \frac{1}{4}$ = 5.3755 dm³ Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.20 \times 0.10 \times 0.10 = 0.048$ cum = 48 dm³ Qty taken for cost of using once after deducting for credit = $48 \times \frac{1}{4} \times \frac{1}{4}$ = 3 dm³ Struts of Safeda ballies 125 mm diameter $(4 \times 1.00 = 4.00) + (2 \times 1.20 = 2.40) = 6.40$m Qty taken for cost of using once after deducting for credit = $6.40 \times \frac{1}{4} \times \frac{1}{4}$ = 0.40 m</p>	10 cudm	0.5375	260.00	139.75
1197	<p>Carriage of Timber CARRIAGE : Poling boards = 0.086 cum Walling = 0.048 cum Ballies struts $3.14/4 \times (0.125)^2 \times 6.40$ = 0.079 cum Total of carriage = 0.213 cum $\times \frac{1}{4}$ = 0.053 cum LABOUR Carpenter 2nd class Beldar Sundries</p>	10 cudm	0.30	260.00	78.00
0302		metre	0.40	40.00	16.00
2204		cum	0.053	187.35	9.93
0112	Carpenter 2nd class	day	0.06	714.00	42.84
0114	Beldar	day	0.12	645.00	77.40
9999	Sundries	L.S.	2.73	2.12	5.79
	TOTAL				369.71 W
	Add 1 % Water charges on "W"				3.70
	TOTAL				373.40 X
	Add GST on "X" (multiplying factor 0.1405)				52.46
	TOTAL				425.87 Y
	Add 15% CPOH on "Y"				63.88
	TOTAL				489.75 Z
	Add Cess @ 1% on "Z"				4.90
	Cost of 6.6 sqm.				494.65
	Cost per sqm.				74.95
	Say				74.95

2.21.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for a manhole $1.2 \times 1\text{m} \times 1.5\text{m}$ Surface area $2(1.20+1.00) \times 1.50$ $= 6.60 \text{ sqm}$ MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm wide and 38mm thick : $6 \times 0.25 \times 1.50 \times 0.038 = 0.086 \text{ cum}$ $= 86\text{cudm}$ Qty taken for cost of using once after deducting for credit = $86 \times \frac{1}{4} \times \frac{1}{4}$ $= 5.3755 \text{ dm}^3$ Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.2 \times 0.10 \times 0.10 = 0.048 \text{ cum} = 48 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $486 \times \frac{1}{4} \times \frac{1}{4} = 3 \text{ dm}^3$ Struts of Safeda ballies 125 mm diameter $(4 \times 1.0 = 4.0) + (2 \times 1.2 = 2.4) = 6.4\text{m}$ Qty taken for cost of using once after deducting for credit = $6.4 \times \frac{1}{4} \times \frac{1}{4} = 0.4 \text{ m}$ Carriage of Timber CARRIAGE : Poling boards = 0.086 cum Walling = 0.048 cum Ballies struts $3.14/4 \times (0.125)^2 \times 6.4$ $= 0.079 \text{ cum}$ Total of carriage = 0.213 cum $\times \frac{1}{4}$ $= 0.053 \text{ cum}$ LABOUR Carpenter 2nd class Beldar Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 6.6 sqm. Cost per sqm. Say </p>	10 cudm	0.5375	260.00	139.75
1197		10 cudm	0.30	260.00	78.00
0302		metre	0.40	40.00	16.00
2204		cum	0.053	187.35	9.93
0112	Carpenter 2nd class	day	0.10	714.00	71.40
0114	Beldar	day	0.20	645.00	129.00
9999	Sundries	L.S.	3.64	2.12	7.72
	TOTAL				451.80 W
	Add 1 % Water charges on "W"				4.52
	TOTAL				456.31 X
	Add GST on "X" (multiplying factor 0.1405)				64.11
	TOTAL				520.43 Y
	Add 15% CPOH on "Y"				78.06
	TOTAL				598.49 Z
	Add Cess @ 1% on "Z"				5.98
	Cost of 6.6 sqm.				604.48
	Cost per sqm.				91.59
	Say				91.60

2.22 Open timbering over areas including strutting, shoring etc. complete. (Measurements to be taken of the face area timbered):

2.22.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for an area 30m long and 1.5m deep area = $30 \times 1.5 = 45 \text{ sqm.}$</p> <p>MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm x 38mm $40 \times 1.50 \times 0.25 \times 0.038 = 0.57 \text{ cum.}$ $= 570 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $570 \times \frac{1}{4} \times \frac{1}{4}$ $= 35.625 \text{ dm}^3$</p>	10 cudm	3.5625	260.00	926.25
0302	Raking struts- Safeda ballies 125 mm diameter $40 \times 1.50 = 60 \text{ m}$ Qty taken for cost of using once after deducting for credit = $60 \times \frac{1}{4} \times \frac{1}{4}$ $= 3.75 \text{ m}$	metre	3.75	40.00	150.00
2204	Carriage of Timber CARRIAGE : Poling boards = 0.57 cum Ballies $40 \times 1.5 \times 3.14 / 4 \times 0.125^2 = 0.4 \text{ cum.}$ Total for carriage = $1.31 \text{ cum} \times \frac{1}{4}$ $= 0.3275 \text{ cum}$	cum	0.3275	187.35	61.36
0112	Carpenter 2nd class	day	0.12	714.00	85.68
0114	Beldar	day	0.25	645.00	161.25
9999	Sundries	L.S.	19.76	2.12	41.89
	TOTAL				1426.43 W
	Add 1 % Water charges on "W"				14.26
	TOTAL				1440.69 X
	Add GST on "X" (multiplying factor 0.1405)				202.42
	TOTAL				1643.11 Y
	Add 15% CPOH on "Y"				246.47
	TOTAL				1889.58 Z
	Add Cess @ 1% on "Z"				18.90
	Cost of 45 sqm.				1908.47
	Cost per sqm.				42.41
	Say				42.40

2.22.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for an area 30m long and 1.5m deep area = $30 \times 1.5 = 45$ sqm.</p> <p>MATERIAL</p> <p>The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks 250mm x 38mm $40 \times 1.50 \times 0.25 \times 0.038 = 0.57$ cum. = 570 dm^3</p> <p>Qty taken for cost of using once after deducting for credit = $570 \times \frac{1}{4} \times \frac{1}{4}$ = 35.625 dm^3</p>	10 cudm	3.5625	260.00	926.25
0302	Raking struts- Safeda ballies 125 mm diameter $40 \times 1.50 = 60$ m	metre	3.75	40.00	150.00
2204	Qty taken for cost of using once after deducting for credit = $60 \times \frac{1}{4} \times \frac{1}{4}$ = 3.75 m	cum	0.3275	187.35	61.36
0112	Carriage of Timber				
0114	CARRIAGE :				
9999	Poling boards = 0.57 cum Ballies $40 \times 1.50 \times 3.14 / 4 \times 0.125^2 = 0.4$ cum. Total for carriage = $1.31 \text{ cum} \times \frac{1}{4} = 0.3275 \text{ cum}$				
	LABOUR				
	Carpenter 2nd class	day	0.25	714.00	178.50
	Beldar	day	0.50	645.00	322.50
	Sundries	L.S.	33.15	2.12	70.28
	TOTAL				1708.89 W
	Add 1 % Water charges on "W"				17.09
	TOTAL				1725.97 X
	Add GST on "X" (multiplying factor 0.1405)				242.50
	TOTAL				1968.47 Y
	Add 15% CPOH on "Y"				295.27
	TOTAL				2263.74 Z
	Add Cess @ 1% on "Z"				22.64
	Cost of 45 sqm.				2286.38
	Cost per sqm.				50.81
	Say				50.80

2.22.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for an area 30m long and 1.5m deep area = $30 \times 1.50 = 45$ sqm.</p> <p>MATERIAL</p> <p>The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks 250mm x 38mm $40 \times 1.50 \times 0.25 \times 0.038 = 0.57$ cum. = 570 dm^3</p> <p>Qty taken for cost of using once after deducting for credit = $570 \times \frac{1}{4} \times \frac{1}{4}$ = 35.625 dm^3</p> <p>Raking struts- Safeda ballies 125 mm diameter $40 \times 1.50 = 60$m Qty taken for cost of using once after deducting for credit = $60 \times \frac{1}{4} \times \frac{1}{4}$ = 3.75 m</p>	10 cudm	3.5625	260.00	926.25
0302	<p>Carriage of Timber</p> <p>CARRIAGE :</p> <p>Poling boards = 0.57 cum Ballies $40 \times 1.5 \times 3.14 / 4 \times 0.125^2 = 0.4$ cum. Total for carriage = $1.31 \text{ cum} \times \frac{1}{4}$ = 0.3275 cum</p> <p>LABOUR</p>	metre	3.75	40.00	150.00
2204		cum	0.3275	187.35	61.36
0112	Carpenter 2nd class	day	0.50	714.00	357.00
0114	Beldar	day	0.88	645.00	567.60
9999	Sundries	L.S.	47.58	2.12	100.87
	TOTAL				2163.08 W
	Add 1 % Water charges on "W"				21.63
	TOTAL				2184.71 X
	Add GST on "X" (multiplying factor 0.1405)				306.95
	TOTAL				2491.66 Y
	Add 15% CPOH on "Y"				373.75
	TOTAL				2865.41 Z
	Add Cess @ 1% on "Z"				28.65
	Cost of 45 sqm.				2894.06
	Cost per sqm.				64.31
	Say				64.30

2.23 Extra for planking and strutting in open timbering if required to be left permanently in position. (Face area of the timber permanently left to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for a trench of length 30m and 1.5m deep surface area - 2x30x1.5 = 90 sqm.</p> <p>MATERIAL</p> <p>Poling boards of Second class kail wood in planks 1.50mx0.25x0.038 $2 \times 40 \times 1.50 \times 0.25 \times 0.038 = 1.14 \text{ cum}$ $= 1140 \text{ cu dm}$</p> <p>Less @ 1/8 of Qty as timber is supposed to be used once before = 1140 - 142.5 = 997.5 dm³</p>	10 cu dm	99.75	260.00	25935.00
1197	<p>Walling 100mmx 100mm of Second class kail wood in scantling 4x30mx0.10 mx0.10 m = 1.20cum $= 1200 \text{ cu dm}$</p> <p>Less @ 1/8 of Qty as timber is supposed to be used once before = 1200 - 150 = 1050 dm³</p>	10 cu dm	105.00	260.00	27300.00
0302	<p>Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51 \text{ m}$</p> <p>Less @ 1/8 of Qty as timber is supposed to be used once before = 51 - 6.37 $= 44.63 \text{ m}$</p>	metre	44.63	40.00	1785.20
2204	<p>Carriage of Timber</p> <p>Poling boards = 1.14 cum</p> <p>Walling = 1.20 cum</p> <p>Ballies struts $51 \times 3.14 \times 1/4 \times 0.125^2$ $= 0.63 \text{ cum}$</p> <p>Total of carriage = 2.97 cum Taking half = $2.97 \times 1/2 = 1.485 \text{ cum}$</p> <p>TOTAL</p> <p>Add 1 % Water charges on "W"</p> <p>TOTAL</p> <p>Add GST on "X" (multiplying factor 0.1405)</p> <p>TOTAL</p> <p>Add 15% CPOH on "Y"</p> <p>TOTAL</p> <p>Add Cess @ 1% on "Z"</p> <p>Cost of 90 sqm.</p> <p>Cost per sqm.</p> <p>Say</p>	cum	1.485	187.35	278.21
					55298.41 W
					552.98
					55851.40 X
					7847.12
					63698.52 Y
					9554.78
					73253.30 Z
					732.53
					73985.83
					822.06
					822.05

2.24 Extra rates for quantities of works, executed:

2.24.1 In or under water and/or liquid mud, including pumping out water as required

Code	Description	Unit	Quantity	Amount ₹
	Extra due to slow progress and dewatering: 20% of the rate of the item Cost of 1 metre depth Say	metre depth	(20% of the rate of the item. The extra percentage in rate is applicable in respect of each item but limited to quantities of work executed in difficult condition.)	20.00% 20.00%

2.24.2 In or under foul position, including pumping out water as required

Code	Description	Unit	Quantity	Amount ₹
	Extra due to slow progress and dewatering: 25% of the rate of the item Cost of 1 metre depth Say	metre depth	(25% of the rate of the item. This pertains to only such. Pumping of water as is envisaged at the time of tendering and don't include those that covered under contractual risk)	25.00% 25.00%

Note for item no. 2.24:- The extra percentage rate is applicable in respect of each item but limited to quantities of work executed in these difficult conditions. The unit, namely, metre depth, to be considered for payment, shall be the depth measured from the sub soil water level up to the centre of gravity of the qty executed in difficult conditions. The depth shall be reckoned correct to 0.10 m, 0.05 m or more shall be taken as 0.10 m and less than 0.05 m ignored.

2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Details of cost for 10 cum. LABOUR	day	0.20	714.00	142.80
0115	Mate Coolie	day	2.50	645.00	1612.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cum. Cost of 1 cum. Say	day	0.20	714.00	142.80 1898.10 W 18.98 1917.08 X 269.35 2186.43 Y 327.96 2514.40 Z 25.14 2539.54 253.95 253.95

2.25(a) Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.6.1	Details of cost for 10 cum Rate as per item no 2.6.1 of SH:2 EARTH WORK	cum	10.00	205.45	2054.50 A
1.2.2	Less for initial lead of 50m Rate as per item no 1.2.2 of SH:1 CARRIAGE OF MATERIALS Add for ramming and watering in layers (Ref. item no 2.27)	cum	-10.00	234.05	-2340.50 A
0114	Beldar (1/2x0.89=0.45 day)	day	0.45	645.00	290.25
0101	Bhisti	day	0.35	714.00	249.90
1.1.2	Carriage of materials upto 5 km Rate as per item no 1.1.2 of SH:1 CARRIAGE OF MATERIALS	cum	10.00	271.45	2714.50 A
0979	Royalty for good earth TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 cum Cost of 1 cum Say	cum	10.00	40.00	400.00 3368.65 W 9.40 3378.05 X 133.41 3511.46 Y 162.44 3673.91 Z 12.45 3686.36 368.64 368.65

2.26 Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.

2.26.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Details of cost for 10 cum. LABOUR				
0114	Mate Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cum. Cost of 1 cum. Say	day day	0.10 1.10	714.00 645.00	71.40 709.50 780.90 W 7.81 788.71 X 110.81 899.52 Y 134.93 1034.45 Z 10.34 1044.80 104.48 104.50

2.26.2 Ordinary or hard rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Details of cost for 10 cum. LABOUR				
0114	Mate Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cum. Cost of 1 cum. Say	day day	0.20 1.95	714.00 645.00	142.80 1257.75 1400.55 W 14.01 1414.56 X 198.75 1613.30 Y 242.00 1855.30 Z 18.55 1873.85 187.38 187.40

2.27 Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6501	Details of cost for 10 cum. MATERIAL				
2335	Sand zone V (Jamuna) Carriage of Jamuna sand	cum cum	10.00 10.00	1300.00 163.93	13000.00 1639.30

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	LABOUR				
	Beldar	day	0.89	645.00	574.05
0115	Coolie	day	1.07	645.00	690.15
0101	Bhisti	day	0.35	714.00	249.90
	TOTAL				16153.40 W
	Add 1 % Water charges on "W"				161.53
	TOTAL				16314.93 X
	Add GST on "X" (multiplying factor 0.1405)				2292.25
	TOTAL				18607.18 Y
	Add 15% CPOH on "Y"				2791.08
	TOTAL				21398.26 Z
	Add Cess @ 1% on "Z"				213.98
	Cost of 10 cum.				21612.24
	Cost of 1 cum.				2161.22
	Say				2161.20

2.28 Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.

2.28.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 100 sqm. LABOUR				
	Beldar	day	1.97	645.00	1270.65
0115	Coolie	day	1.29	645.00	832.05
	TOTAL				2102.70 W
	Add 1 % Water charges on "W"				21.03
	TOTAL				2123.73 X
	Add GST on "X" (multiplying factor 0.1405)				298.38
	TOTAL				2422.11 Y
	Add 15% CPOH on "Y"				363.32
	TOTAL				2785.43 Z
	Add Cess @ 1% on "Z"				27.85
	Cost of 100 sqm.				2813.28
	Cost of 1 sqm.				28.13
	Say				28.15

2.29 Ploughing the existing ground to a depth of 15 cm to 25 cm and watering the same.

2.29.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 100 sqm. LABOUR Beldar	day	2.75	645.00	1773.75

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 100 sqm. Cost of 1 sqm. Say	day	0.50	714.00	357.00 2130.75 W 21.31 2152.06 X 302.36 2454.42 Y 368.16 2822.58 Z 28.23 2850.81 28.51 28.50

2.30 Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m.

2.30.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Details of cost for 10 holes- Earth work 10×0.30 (avg) = 3.0 cum Rate as per item no. 2.8.1 of SH: Earth work	cum	3.00	286.85	860.55 A
9999	Extra labour for filling and ramming Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 holes Cost of 1 hole Say	L.S.	13.52	2.12	28.66 889.21 W 0.29 889.50 X 4.07 893.57 Y 4.95 898.52 Z 0.38 898.90 89.89 89.90

2.30.2 Ordinary rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.1	Details of cost for 10 holes- Earth work 10×0.3 (avg) = 3.0 cum Rate as per Item Number 2.9.1 of SH: Earth Work Extra labour for filling and ramming	cum	3.00	523.50	1570.50 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 holes Cost of 1 hole Say	L.S.	13.52	2.12	28.66 1599.16 W 0.29 1599.45 X 4.07 1603.52 Y 4.95 1608.47 Z 0.38 1608.85 160.88 160.90

2.30.3 Hard rock (requiring blasting)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Details of cost for 10 holes- Earth work 10×0.3 (avg) = 3.0 cum Rate as per Item Number 2.9.2 of SH: Earth Work	cum	3.00	846.25	2538.75 A
9999	Extra labour for filling and ramming Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 holes Cost of 1 hole Say	L.S.	13.52	2.12	28.66 2567.41 W 0.29 2567.70 X 4.07 2571.77 Y 4.95 2576.72 Z 0.38 2577.10 257.71 257.70

2.30.4 Hard rock (blasting prohibited)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.3	Details of cost for 10 holes- Earth work 10×0.3 (avg) = 3.0 cum Rate as per Item Number 2.9.3 of SH: Earth Work Extra labour for filling and ramming	cum	3.00	1258.60	3775.80 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 holes Cost of 1 hole Say	L.S.	13.52	2.12	28.66 3804.46 W 0.29 3804.75 X 4.07 3808.82 Y 4.95 3813.77 Z 0.38 3814.15 381.41 381.40

2.31 Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 100 sqm. LABOUR Beldar	day	1.08	645.00	696.60
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 100 sqm. Cost of 1 sqm. Say	day	0.60	645.00	387.00 1083.60 W 10.84 1094.44 X 153.77 1248.20 Y 187.23 1435.43 Z 14.35 1449.79 14.50 14.50

2.32 Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 100 sqm. LABOUR Beldar	day	0.60	645.00	387.00
0115	Coolie	day	0.25	645.00	161.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 100 sqm Cost of 1 sqm Say	L.S.	1.82	2.12	3.86 552.11 W 5.52 557.63 X 78.35 635.98 Y 95.40 731.37 Z 7.31 738.69 7.39 7.40

2.33 Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material.

2.33.1 Beyond 30 cm girth upto and including 60 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for one tree of 15cm dia and average height 3m LABOUR quantity of wood- $3.14/4 \times 0.15 \times 0.15 \times 3 = 0.053$ cum. Add 20% for branches = 0.011 cum. Total = 0.064 cum. Labour for cutting in trees removing the roots from the soil and then filling in Pit and depressions.	day	0.33	645.00	212.85
0115	Beldar	day	0.17	645.00	109.65
9999	Coolie	L.S.	2.73	2.12	5.79
	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of one tree Say				328.29 W 3.28 331.57 X 46.59 378.16 Y 56.72 434.88 Z 4.35 439.23 439.25

2.33.2 Beyond 60 cm girth upto and including 120 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a tree of average girth 90cm, average dia. 0.3m and length 5m LABOUR quantity of wood- (22x0.30x0.30x5)/ $7 \times 4 = 0.35$ cum + 20% branches = 0.07 cum. Total = 0.42 cum Labour for cutting trees, removing roots from the soil and filling in pit & depressions: Beldar Coolie Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of one tree Say				
0114		day	1.50	645.00	967.50
0115		day	0.75	645.00	483.75
9999		L.S.	5.46	2.12	11.58
					1462.83 W
					14.63
					1477.45 X
					207.58
					1685.04 Y
					252.76
					1937.79 Z
					19.38
					1957.17
					1957.15

2.33.3 Beyond 120 cm girth upto and including 240 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a tree of average girth 180cm, average dia. 0.6m and length 7m LABOUR quantity of wood- (22x06x0.60x7)/ $7 \times 4 = 1.98$ cum.+ 20% branches = 0.40 cum. Total = 2.38 cum. Labour for cutting trees, removing roots from the soil and filling in pit & depressions: Beldar Coolie Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of one tree Say				
0114		day	7.00	645.00	4515.00
0115		day	3.50	645.00	2257.50
9999		L.S.	8.06	2.12	17.09
					6789.59 W
					67.90
					6857.48 X
					963.48
					7820.96 Y
					1173.14
					8994.10 Z
					89.94
					9084.04
					9084.05

2.33.4 Above 240 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a tree of average girth 300cm, average dia. 1m and length 10m LABOUR quantity of wood- (22 x 1 x 1 x 10)/ 7x4 = 7.86 cum + 20% Branches = 1.57 cum. Total = 9.43 cum. Labour for cutting trees, removing roots from the soil and filling in pit & depressions: Beldar Coolie Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of one tree Say				
0114	Beldar	day	14.00	645.00	9030.00
0115	Coolie	day	7.00	645.00	4515.00
9999	Sundries	L.S.	26.91	2.12	57.05
	TOTAL				13602.05 W
	Add 1 % Water charges on "W"				136.02
	TOTAL				13738.07 X
	Add GST on "X" (multiplying factor 0.1405)				1930.20
	TOTAL				15668.27 Y
	Add 15% CPOH on "Y"				2350.24
	TOTAL				18018.51 Z
	Add Cess @ 1% on "Z"				180.19
	Cost of one tree				18198.69
	Say				18198.70

2.34 Supplying chemical emulsion in sealed containers including delivery as specified.

2.34.1 Chlorpyriphos/ Lindane emulsifiable concentrate of 20%

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7022	Details of cost of 100 litres Chlorpyriphos 20% E.C. / Lindane 20% E.C.				
2342	Carriage of solvent/ Diesel. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 100 litres Cost for 1 litre Say	litre quintal	100.00 1.00	150.00 16.39	15000.00 16.39 15016.39 W 150.16 15166.55 X 2130.90 17297.45 Y 2594.62 19892.07 Z 198.92 20090.99 200.91 200.90

- 2.35 Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :**
- 2.35.1 Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodging etc. complete:**
- 2.35.1.1 With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metres MATERIAL Chlorpyriphos 1% concentration = $10.0 \times 0.30 \times 7.5 = 22.5$ litres Chlorpyriphos 20% required = $22.5/20 = 1.125$ litres Chlorpyriphos 20% E.C. / Lindane 20% E.C. 1.125 litres (to be supplied free of cost) LABOUR				
0114	Beldar (for excavating channel) rodging in chemical spraying the emulsion and refilling the same Sundries, rent of sprayer etc.	day	0.33	645.00	212.85
9999	TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 metres Cost for 1 metre Say	L.S.	13.52	2.12	28.66 241.51 W 2.42 243.93 X 34.27 278.20 Y 41.73 319.93 Z 3.20 323.13 32.31 32.30

- 2.35.2 Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.:**
- 2.35.2.1 With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metres MATERIAL Chlorpyriphos 1% concentration = $10 \times 2.25 = 22.5$ litres Chlorpyriphos 20% required = $22.5/20 = 1.125$ litres Chlorpyriphos 20% E.C. / Lindane 20% E.C. 1.125 litres (to be supplied free of cost)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	LABOUR Beldar (for drilling holes and injecting chemical)	day	0.40	645.00	258.00
9999	Sundries and rent of a sprayer and mortar and making good the holes TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 metres Cost for 1 metre Say	L.S.	35.88	2.12	76.07 334.07 W 3.34 337.41 X 47.41 384.81 Y 57.72 442.53 Z 4.43 446.96 44.70 44.70

2.35.3 Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor:

2.35.3.1 With Chlorpyriphos/Lindane E.C. 20% with 1% concentration

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9 sqm. (3 metre x 3 metre) No. of holes - 100 nos. MATERIAL Chlorpyriphos 1% required 100×1 litre = 100 litres Chlorpyriphos 20% E.C. = $100/20$ = 5.0 litres Chlorpyriphos 20% E.C. / Lindane 20% E.C. 5 litres (to be supplied free of cost) LABOUR				
0114	Beldar (For making holes & spraying)	day	2.00	645.00	1290.00
0124	Mason (brick layer) 2nd class	day	0.50	714.00	357.00
9999	Sundries, rent of sprayer and mortar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 9 square metre Cost per square metre Say	L.S.	35.88	2.12	76.07 1723.07 W 17.23 1740.30 X 244.51 1984.81 Y 297.72 2282.53 Z 22.83 2305.35 256.15 256.15

2.35.4 Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole :

2.35.4.1 With Chlorpyriphos/Lindane E.C. 20% with 1% concentration

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metres MATERIAL No. of holes $10.0/0.30 = 33.33+1 = 34.33$ holes. Say 34 holes chlorpyriphos 1% concentration required = $34 \times 1.0 = 34.00$ litres Chlorpyriphos 20% E.C. required $34.00/20 = 1.70$ litres Chlorpyriphos 20% E.C. / Lindane 20% E.C. 1.7 litres (to be supplied free of cost) LABOUR Beldar Mason (brick layer) 2nd class Sundries, rent of pump etc.				
0114		day	0.30	645.00	193.50
0124		day	0.05	714.00	35.70
9999		L.S.	17.94	2.12	38.03
	TOTAL				267.23 W
	Add 1 % Water charges on "W"				2.67
	TOTAL				269.90 X
	Add GST on "X" (multiplying factor 0.1405)				37.92
	TOTAL				307.82 Y
	Add 15% CPOH on "Y"				46.17
	TOTAL				354.00 Z
	Add Cess @ 1% on "Z"				3.54
	Cost for 10 metres				357.54
	Cost for 1 metre				35.75
	Say				35.75

2.35.5 Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metres MATERIAL No. of holes $10.0/0.15 = 66.67+1 = 67.67$ holes. Say 68 holes Chlordane 1% concentration required = $68 \times 0.5 = 34.00$ litres Chlordane 20% E.C. required $34.00/20=1.70$ litres Chlordane 20% E.C./ Lindane 20% E.C. 1.7 litres (to be supplied free of cost) Kerosene oil = $34-1.7 = 32.30$ litres				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0771	Kerosene oil	litre	32.30	50.00	1615.00
0112	LABOUR Carpenter 2nd class (For making holes and plugging the same)	day	0.20	714.00	142.80
0114	Beldar for injecting chemical	day	0.20	645.00	129.00
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 metres Cost for 1 metre Say	L.S.	17.94	2.12	38.03 1924.83 W 19.25 1944.08 X 273.14 2217.22 Y 332.58 2549.80 Z 25.50 2575.30 257.53 257.55

2.36 Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Details of cost for 10 cum. LABOUR Mate	day	0.08	714.00	57.12
0115	Beldar/ Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cum. Cost of 1 cum. Say	day	0.80	645.00	516.00 573.12 W 5.73 578.85 X 81.33 660.18 Y 99.03 759.21 Z 7.59 766.80 76.68 76.70

2.37 Supply and stacking of Fly ash conforming to IRC- 58 at site, including carriage, loading, unloading & stacking up to any lead (measured stacks will be reduced by 20% for payment).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. Ref :- Based on DAR Item No : 1.1.1 Labour and carriage				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1980	Flyash (Available free of cost at thermal power plant at Baderpur power plant. Lead = 35 km)	cum	1.00	11.00	11.00
2262	Carriage of Flyash (1st Lead 0 to 5km) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	cum	1.00	163.93	163.93
					174.93 W
					1.75
					176.68 X
					24.82
					201.50 Y
					30.23
					231.73 Z
					2.32
					234.05
					234.05

- 2.38 Filling with available fly ash and earth (excluding rock) in trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer -in-charge, including compacting each layer by rolling/ ramming and watering, all complete as per drawing and direction of Engineer -in -charge.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Details of cost for 10 cum. Ref :- Based on DAR Item No : 2.25				
0115	LABOUR				
0101	Mate Coolie Bhisti TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cum. Cost of 1 cum. Say	day	0.20	714.00	142.80
			2.50	645.00	1612.50
			0.20	714.00	142.80
					1898.10 W
					18.98
					1917.08 X
					269.35
					2186.43 Y
					327.96
					2514.40 Z
					25.14
					2539.54
					253.95
					253.95

SUB HEAD : 3.0

MORTARS

3.1 Cement mortar 1:1 (1 cement : 1 fine sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.7175 cum. of cement = 1.02 tonne) Cement required for cement mortar is 71.25%				
0367	Portland Cement	tonne	1.02	5000.00	5100.00
2209	Carriage of Cement	tonne	1.02	145.72	148.63
0983	Fine Sand (Zone IV)	cum	0.7125	900.00	641.25
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.7125	163.93	116.80
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	645.00	483.75
0101	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.90	2.12	57.03
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				6626.10
	Say				6626.10

3.2 Cement mortar 1:2 (1 cement : 2 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.475 cum. of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	5000.00	3400.00
2209	Carriage of Cement	tonne	0.68	145.72	99.09
0983	Fine sand (zone IV)	cum	0.95	900.00	855.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.95	163.93	155.73
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	645.00	483.75
0101	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				5129.26
	Say				5129.25

3.3 Cement mortar 1:3 (1 cement : 3 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.357 cum. of cement = 0.51 tonne) Cement required for cement mortar is 35.70%				
0367	Portland Cement	tonne	0.51	5000.00	2550.00
2209	Carriage of Cement	tonne	0.51	145.72	74.32

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0983	Fine sand (zone IV)	cum	1.07	900.00	963.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand) LABOUR For measuring, carrying, depositing and mixing-	cum	1.07	163.93	175.41
0114	Beldar	day	0.75	645.00	483.75
0101	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				4382.17
	Say				4382.15

3.4 Cement mortar 1:4 (1 cement : 4 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.268 cum. of cement = 0.38 tonne) Cement required for cement mortar is 26.80%				
0367	Portland Cement	tonne	0.38	5000.00	1900.00
2209	Carriage of Cement	tonne	0.38	145.72	55.37
0983	Fine sand (zone IV)	cum	1.07	900.00	963.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand) LABOUR For measuring, carrying, depositing and mixing-	cum	1.07	163.93	175.41
0114	Beldar	day	0.75	645.00	483.75
0101	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				3713.22
	Say				3713.20

3.5 Cement mortar 1:5 (1 cement : 5 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.214 cum. of cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0367	Portland Cement	tonne	0.31	5000.00	1550.00
2209	Carriage of Cement	tonne	0.31	145.72	45.17
0983	Fine sand (zone IV)	cum	1.07	900.00	963.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	163.93	175.41

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	LABOUR For measuring, carrying, depositing and mixing-				
0101	Beldar	day	0.75	645.00	483.75
9999	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				3353.02
	Say				3353.00

3.6 Cement mortar 1:6 (1 cement : 6 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Details of cost for 1 cum MATERIAL (0.178 cum. of cement = 0.25 tonne) Cement required for cement mortar is 17.80%				
2209	Portland Cement	tonne	0.25	5000.00	1250.00
0983	Carriage of Cement	tonne	0.25	145.72	36.43
2261	Fine sand (zone IV)	cum	1.07	900.00	963.00
	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	163.93	175.41
0114	LABOUR For measuring, carrying, depositing and mixing-				
0101	Beldar	day	0.75	645.00	483.75
9999	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				3044.28
	Say				3044.30

3.7 Cement mortar 1:2 (1 cement : 2 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Details of cost for 1 cum MATERIAL (0.476 cum. of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
2209	Portland Cement	tonne	0.68	5000.00	3400.00
0982	Carriage of Cement	tonne	0.68	145.72	99.09
2203	Coarse sand (zone III)	cum	0.95	1500.00	1425.00
	Carriage of Coarse sand	cum	0.95	163.93	155.73
0114	LABOUR For measuring, carrying, depositing and mixing-				
0101	Beldar	day	0.75	645.00	483.75
9999	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				5699.26
	Say				5699.25

3.8 Cement mortar 1:3 (1 cement : 3 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.357 cum. of cement = 0.51 tonne) Cement required for cement mortar is 35.70%				
0367	Portland Cement	tonne	0.51	5000.00	2550.00
2209	Carriage of Cement	tonne	0.51	145.72	74.32
0982	Coarse sand (zone III)	cum	1.07	1500.00	1605.00
2203	Carriage of Coarse sand	cum	1.07	163.93	175.41
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	645.00	483.75
0101	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				5024.17
	Say				5024.15

3.9 Cement mortar 1:4 (1 cement : 4 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.268 cum. of cement = 0.38 tonne) Cement required for cement mortar is 26.80%				
0367	Portland Cement	tonne	0.38	5000.00	1900.00
2209	Carriage of Cement	tonne	0.38	145.72	55.37
0982	Coarse sand (zone III)	cum	1.07	1500.00	1605.00
2203	Carriage of Coarse sand	cum	1.07	163.93	175.41
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	645.00	483.75
0101	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				4355.22
	Say				4355.20

3.10 Cement mortar 1:5 (1 cement : 5 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.214 cum. of cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0367	Portland Cement	tonne	0.31	5000.00	1550.00
2209	Carriage of Cement	tonne	0.31	145.72	45.17
0982	Coarse sand (zone III)	cum	1.07	1500.00	1605.00
2203	Carriage of Coarse sand	cum	1.07	163.93	175.41

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	LABOUR For measuring, carrying, depositing and mixing-				
0101	Beldar	day	0.75	645.00	483.75
9999	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				3995.02
	Say				3995.00

3.11 Cement mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.178 cum. of cement = 0.25 tonne) Cement required for cement mortar is 17.80%				
0367	Portland Cement	tonne	0.25	5000.00	1250.00
2209	Carriage of Cement	tonne	0.25	145.72	36.43
0982	Coarse sand (zone III)	cum	1.07	1500.00	1605.00
2203	Carriage of Coarse sand	cum	1.07	163.93	175.41
	LABOUR				
0114	For measuring, carrying, depositing and mixing-	day	0.75	645.00	483.75
0101	Beldar	day	0.07	714.00	49.98
9999	Bhisti	L.S.	26.91	2.12	57.05
9999	Hire and running charges of mechanical mixer	L.S.	13.52	2.12	28.66
	Sundries				3686.28
	Cost of 1.00 cum				3686.30
	Say				

3.12 Cement mortar 1:2 (1 cement : 2 stone dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.475 cum. of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	5000.00	3400.00
2209	Carriage of Cement	tonne	0.68	145.72	99.09
1159	Stone dust	cum	0.95	1100.00	1045.00
2267	Carriage of Stone dust	cum	0.95	163.93	155.73
	LABOUR				
0114	For measuring, carrying, depositing and mixing-	day	0.75	645.00	483.75
0101	Beldar	day	0.07	714.00	49.98
9999	Bhisti	L.S.	26.91	2.12	57.05
9999	Hire and running charges of mechanical mixer	L.S.	13.52	2.12	28.66
	Sundries				5319.26
	Cost of 1.00 cum				5319.25
	Say				

3.13 Cement mortar 1:2 (1 cement : 2 marble dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.475 cum of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	5000.00	3400.00
2209	Carriage of Cement	tonne	0.68	145.72	99.09
0784	Marble dust/ powder	cum	0.95	1130.00	1073.50
2268	Carriage of Marble dust and marble chips	cum	0.95	163.93	155.73
	LABOUR				
	For measuring, carrying, depositing and mixing				
0114	Beldar	day	0.75	645.00	483.75
0101	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				5347.76
	Say				5347.75

3.14 Cement mortar 1:5 (1 cement : 5 marble dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.214 cum. of cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0367	Portland Cement	tonne	0.31	5000.00	1550.00
2209	Carriage of Cement	tonne	0.31	145.72	45.17
0784	Marble dust/ powder	cum	1.07	1130.00	1209.10
2268	Carriage of Marble dust and marble chips	cum	1.07	163.93	175.41
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	645.00	483.75
0101	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				3599.12
	Say				3599.10

3.15 White cement mortar 1:2 (1 white cement : 2 marble dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.475 cum. of white cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0368	White Cement	tonne	0.68	11200.00	7616.00
2209	Carriage of Cement	tonne	0.68	145.72	99.09
0784	Marble dust/ powder	cum	0.95	1130.00	1073.50
2268	Carriage of Marble dust and marble chips	cum	0.95	163.93	155.73

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	LABOUR For measuring, carrying, depositing and mixing-				
0101	Beldar	day	0.75	645.00	483.75
9999	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				9563.76
	Say				9563.75

3.16 White cement mortar 1:3 (1 white cement : 3 marble dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0368	Details of cost for 1 cum MATERIAL (0.357 cum. of white cement = 0.51 tonne) Cement required for cement mortar is 35.70%				
2209	White Cement	tonne	0.51	11200.00	5712.00
0784	Carriage of Cement	tonne	0.51	145.72	74.32
2268	Marble dust/ powder	cum	1.07	1130.00	1209.10
	Carriage of Marble dust and marble chips	cum	1.07	163.93	175.41
0114	LABOUR For measuring, carrying, depositing and mixing-				
0101	Beldar	day	0.75	645.00	483.75
9999	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				7790.27
	Say				7790.25

3.17 White cement mortar 1:5 (1 white cement : 5 marble dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0368	Details of cost for 1 cum MATERIAL (0.214 cum. of white cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
2209	White Cement	tonne	0.31	11200.00	3472.00
0784	Carriage of Cement	tonne	0.31	145.72	45.17
2268	Marble dust/ powder	cum	1.07	1130.00	1209.10
	Carriage of Marble dust and marble chips	cum	1.07	163.93	175.41
0114	LABOUR For measuring, carrying, depositing and mixing-				
0101	Beldar	day	0.75	645.00	483.75
9999	Bhisti	day	0.07	714.00	49.98
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	13.52	2.12	28.66
	Cost of 1.00 cum				5521.12
	Say				5521.10

3.18 Mud mortar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0811	Detail of cost for one cum MATERIAL Mud (dry)	cum	1.08	165.00	178.20
0114	LABOUR Beldar	day	0.63	645.00	406.35
0101	Bhisti	day	0.315	714.00	224.91
9999	Sundries	L.S.	6.45	2.12	13.67
	Cost of one cum				823.13
	Say				823.15

3.19 Mortar in lime, surkhi (50% red and 50% light yellow) and marble dust 1:1.5:0.5

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.475 cum of lime putty) = 3.01 q of unslaked lime				
1182	Surkhi	cum	0.7125	700.00	498.75
0773	Unslaked lime	quintal	3.01	300.00	903.00
0784	Marble dust/ powder	cum	0.24	1130.00	271.20
2268	Marble dust and/or marble chips	cum	0.24	163.93	39.34
2208	Carriage of Lime	cum	3.01	163.93	493.43
	LABOUR				
	For slaking lime, making lime putty, grinding and carrying				
0114	Beldar	day	0.90	645.00	580.50
0101	Bhisti	day	0.45	714.00	321.30
9999	As cost for running and upkeep of mortar mill	L.S.	10.35	2.12	21.94
9999	Sundries	L.S.	5.20	2.12	11.02
	Cost of 1.00 cum				3140.49
	Say				3140.50

SUB HEAD : 4.0

CONCRETE WORK

4.1 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :

4.1.2 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0295	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
0297	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
2202	Coarse sand (zone III)	cum	0.425	1500.00	637.50
0982	Carriage of Coarse sand	cum	0.425	163.93	69.67
2203	Portland Cement (0.2833 cum)	tonne	0.40	5000.00	2000.00
0367	Carriage of Cement	tonne	0.40	145.72	58.29
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	2.12	30.32
	TOTAL				5817.66 W
	Add 1 % Water charges on "W"				58.18
	TOTAL				5875.84 X
	Add GST on "X" (multiplying factor 0.1405)				825.56
	TOTAL				6701.40 Y
	Add 15% CPOH on "Y"				1005.21
	TOTAL				7706.61 Z
	Add Cess @ 1% on "Z"				77.07
	Cost of 1 cum.				7783.67
	Say				7783.65

4.1.2A 1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.428	1400.00	599.20
0295	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.142	957.00	135.89
0279	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.21	1350.00	283.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.07	957.00	66.99
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III) derived from natural sources	cum	0.319	1500.00	478.50
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.106	741.00	78.55
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	163.93	69.67
0367	Portland Cement (0.2833 cum)	tonne	0.40	5000.00	2000.00
2209	Carriage of Cement	tonne	0.40	145.72	58.29
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	2.12	30.32
	TOTAL				5646.79 W
	Add 1 % Water charges on "W"				56.47
	TOTAL				5703.26 X
	Add GST on "X" (multiplying factor 0.1405)				801.31
	TOTAL				6504.57 Y
	Add 15% CPOH on "Y"				975.69
	TOTAL				7480.26 Z
	Add Cess @ 1% on "Z"				74.80
	Cost of 1 cum.				7555.06
	Say				7555.05

4.1.3 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.67	1400.00	938.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1350.00	297.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III)	cum	0.445	1500.00	667.50
2203	Carriage of Coarse sand	cum	0.445	163.93	72.95
0367	Portland Cement (0.2225 cum)	tonne	0.32	5000.00	1600.00
2209	Carriage of Cement	tonne	0.32	145.72	46.63
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	2.12	30.32
	TOTAL				5504.84 W
	Add 1 % Water charges on "W"				55.05
	TOTAL				5559.89 X
	Add GST on "X" (multiplying factor 0.1405)				781.16
	TOTAL				6341.06 Y
	Add 15% CPOH on "Y"				951.16
	TOTAL				7292.21 Z
	Add Cess @ 1% on "Z"				72.92
	Cost of 1 cum.				7365.14
	Say				7365.15

4.1.3A 1:2:4 (1 cement : 2 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 4 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.503	1400.00	704.20
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.167	957.00	159.82
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.165	1350.00	222.75
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.055	957.00	52.64
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III) derived from natural sources	cum	0.334	1500.00	501.00
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.111	741.00	82.25
2203	Carriage of Coarse sand	cum	0.445	163.93	72.95
0367	Portland Cement (0.2225 cum)	tonne	0.32	5000.00	1600.00
2209	Carriage of Cement	tonne	0.32	145.72	46.63
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	L.S.	14.30	2.12	30.32 5325.00 W 53.25 5378.25 X 755.64 6133.89 Y 920.08 7053.98 Z 70.54 7124.52 7124.50

4.1.4 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 40 mm nominal size, 0.56 - (7.5% for voids i.e.) 0.04 = 0.52 cum	cum	0.52	1300.00	676.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.22	1400.00	308.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.11	1350.00	148.50
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.52	178.19	92.66
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.33	163.93	54.10
0982	Coarse sand (zone III)	cum	0.445	1500.00	667.50
2203	Carriage of Coarse sand	cum	0.445	163.93	72.95
0367	Portland Cement (0.2225 cum)	tonne	0.32	5000.00	1600.00
2209	Carriage of Cement LABOUR	tonne	0.32	145.72	46.63
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	L.S.	13.52	2.12 5401.55 W 54.02 5455.56 X 766.51 6222.07 Y 933.31 7155.38 Z 71.55 7226.93 7226.95	28.66 54.02 5455.56 X 766.51 6222.07 Y 933.31 7155.38 Z 71.55 7226.93 7226.95

4.1.5 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.70	1400.00	980.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.24	1350.00	324.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.94	163.93	154.09
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Portland Cement(0.15674 cum)	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				5107.41 W
	Add 1 % Water charges on "W"				51.07
	TOTAL				5158.49 X
	Add GST on "X" (multiplying factor 0.1405)				724.77
	TOTAL				5883.25 Y
	Add 15% CPOH on "Y"				882.49
	TOTAL				6765.74 Z
	Add Cess @ 1% on "Z"				67.66
	Cost of 1 cum.				6833.40
	Say				6833.40

4.1.5A 1:3:6 (1 Cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.70	957.00	669.90
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.24	957.00	229.68
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.94	163.93	154.09
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	741.00	348.27

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2203	Carriage of manufactured sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.15674 cum)	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				4346.26 W
	Add 1 % Water charges on "W"				43.46
	TOTAL				4389.72 X
	Add GST on "X" (multiplying factor 0.1405)				616.76
	TOTAL				5006.48 Y
	Add 15% CPOH on "Y"				750.97
	TOTAL				5757.45 Z
	Add Cess @ 1% on "Z"				57.57
	Cost of 1 cum.				5815.03
	Say				5815.05

4.1.5B 1:3:6 (1 cement : 3 manufactured sand derived from Recycled concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.70	398.00	278.60
0284	Recycled Aggregate (RA) 10 mm nominal size	cum	0.24	430.00	103.20
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.94	163.93	154.09
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	741.00	348.27
2203	Carriage of manufactured sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.15674 cum)	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator (Needle type 40mm)	day	0.07	350.00	24.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	L.S.	13.52	2.12	28.66 3828.48 W 38.28 3866.77 X 543.28 4410.05 Y 661.51 5071.55 Z 50.72 5122.27 5122.25

4.1.6 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 =0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.15674 cum)	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
0155	LABOUR Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	L.S.	13.52	2.12 4985.48 W 49.85 5035.34 X 707.47 5742.80 Y 861.42 6604.23 Z 66.04 6670.27 6670.25	28.66 49.85 5035.34 X 707.47 5742.80 Y 861.42 6604.23 Z 66.04 6670.27 6670.25

4.1.6A 1:3:6 (1 Cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	367.00	238.55
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	398.00	95.52
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	741.00	348.27
2203	Carriage of manufactured sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.15674 cum)	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				3781.82 W
	Add 1 % Water charges on "W"				37.82
	TOTAL				3819.64 X
	Add GST on "X" (multiplying factor 0.1405)				536.66
	TOTAL				4356.30 Y
	Add 15% CPOH on "Y"				653.45
	TOTAL				5009.75 Z
	Add Cess @ 1% on "Z"				50.10
	Cost of 1 cum.				5059.85
	Say				5059.85

4.1.8 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.1175 cum)	tonne	0.17	5000.00	850.00
2209	Carriage of Cement	tonne	0.17	145.72	24.77
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				4728.20 W
	Add 1 % Water charges on "W"				47.28
	TOTAL				4775.48 X
	Add GST on "X" (multiplying factor 0.1405)				670.96
	TOTAL				5446.44 Y
	Add 15% CPOH on "Y"				816.97
	TOTAL				6263.40 Z
	Add Cess @ 1% on "Z"				62.63
	Cost of 1 cum.				6326.03
	Say				6326.05

4.1.8A 1:4:8 (1 cement : 4 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 8 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	367.00	238.55
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	398.00	95.52
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	741.00	348.27
2203	Carriage of manufactured sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.1175 cum)	tonne	0.17	5000.00	850.00
2209	Carriage of Cement	tonne	0.17	145.72	24.77
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	L.S.	13.52	2.12	28.66 3524.54 W 35.25 3559.78 X 500.15 4059.93 Y 608.99 4668.92 Z 46.69 4715.61 4715.60

4.1.10 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.2225 cum)	tonne	0.13	5000.00	650.00
2209	Carriage of Cement	tonne	0.13	145.72	18.94
0155	LABOUR Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	L.S.	13.52	2.12 4522.37 W 45.22 4567.59 X 641.75 5209.34 Y 781.40 5990.74 Z 59.91 6050.65 6050.65	28.66 4522.37 W 45.22 4567.59 X 641.75 5209.34 Y 781.40 5990.74 Z 59.91 6050.65 6050.65

4.1.10A 1:5:10 (1 cement : 5 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 10 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	367.00	238.55
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	398.00	95.52
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	741.00	348.27
2203	Carriage of manufactured sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.2225 cum)	tonne	0.13	5000.00	650.00
2209	Carriage of Cement	tonne	0.13	145.72	18.94
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				3318.71 W
	Add 1 % Water charges on "W"				33.19
	TOTAL				3351.90 X
	Add GST on "X" (multiplying factor 0.1405)				470.94
	TOTAL				3822.84 Y
	Add 15% CPOH on "Y"				573.43
	TOTAL				4396.26 Z
	Add Cess @ 1% on "Z"				43.96
	Cost of 1 cum.				4440.23
	Say				4440.25

4.1.11 1:5:10 (1 cement : 5 fine sand derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0983	Fine sand (zone IV)	cum	0.47	900.00	423.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.47	163.93	77.05
0367	Portland Cement (0.2225 cum)	tonne	0.13	5000.00	650.00
2209	Carriage of Cement LABOUR	tonne	0.13	145.72	18.94
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	8.97	2.12	19.02
	TOTAL				4230.72 W
	Add 1 % Water charges on "W"				42.31
	TOTAL				4273.03 X
	Add GST on "X" (multiplying factor 0.1405)				600.36
	TOTAL				4873.39 Y
	Add 15% CPOH on "Y"				731.01
	TOTAL				5604.40 Z
	Add Cess @ 1% on "Z"				56.04
	Cost of 1 cum.				5660.44
	Say				5660.45

4.1.12 1:2:3½:9 (1 ordinary portland cement : 2 Fly ash : 3½ coarse sand (zone-III) derived from natural sources : 9 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum-7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.37	1500.00	555.00
2203	Carriage of Coarse sand	cum	0.37	163.93	60.65
1980	Flyash	cum	0.21	11.00	2.31
2262	Carriage of Flyash	cum	0.21	163.93	34.43
0367	Portland Cement	tonne	0.17	5000.00	850.00
2209	Carriage of Cement	tonne	0.17	145.72	24.77

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	2.12	30.32
	TOTAL				4600.19 W
	Add 1 % Water charges on "W"				46.00
	TOTAL				4646.20 X
	Add GST on "X" (multiplying factor 0.1405)				652.79
	TOTAL				5298.99 Y
	Add 15% CPOH on "Y"				794.85
	TOTAL				6093.84 Z
	Add Cess @ 1% on "Z"				60.94
	Cost of one cum.				6154.77
	Say				6154.75

4.1.12A 1:2:3½:9 (1 ordinary portland cement : 2 Fly ash : 3½ manufactured sand derived from Recycled Concrete Aggregate (RCA) : 9 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	367.00	238.55
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	398.00	95.52
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.37	741.00	274.17
2203	Carriage of manufactured sand	cum	0.37	163.93	60.65
1980	Flyash	cum	0.21	11.00	2.31
2262	Carriage of Flyash	cum	0.21	163.93	34.43
0367	Portland Cement	tonne	0.17	5000.00	850.00
2209	Carriage of Cement	tonne	0.17	145.72	24.77
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	L.S.	14.30	2.12	30.32 3472.43 W 34.72 3507.16 X 492.76 3999.91 Y 599.99 4599.90 Z 46.00 4645.90 4645.90

4.1.13 1:2½:4:11 (1 ordinary portland cement : 2½ fly ash : 4 coarse sand(zone-III) derived from natural sources : 11 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum-7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.34	1500.00	510.00
2203	Carriage of Coarse sand	cum	0.34	163.93	55.74
1980	Flyash	cum	0.21	11.00	2.31
2262	Carriage of Flyash	cum	0.21	163.93	34.43
0367	Portland Cement	tonne	0.13	5000.00	650.00
2209	Carriage of Cement	tonne	0.13	145.72	18.94
	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of one cum. Say	L.S.	14.30	2.12 4344.45 W 43.44 4387.89 X 616.50 5004.39 Y 750.66 5755.05 Z 57.55 5812.60 5812.60	30.32 3472.43 W 34.72 3507.16 X 492.76 3999.91 Y 599.99 4599.90 Z 46.00 4645.90 4645.90

4.1.13A 1:2½:4:11 (1 ordinary portland cement : 2½ fly ash : 4 manufactured sand derived from Recycled Concrete Aggregate (RCA) :11 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	367.00	238.55
0282	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	398.00	95.52
0283	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2206	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
2202	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.34	741.00	251.94
0278	Carriage of manufactured sand	cum	0.34	163.93	55.74
2203	Flyash	cum	0.21	11.00	2.31
1980	Carriage of Flyash	cum	0.21	163.93	34.43
2262	Portland Cement	tonne	0.13	5000.00	650.00
0367	Carriage of Cement	tonne	0.13	145.72	18.94
2209	LABOUR				
0155	Mason (average)	day	0.10	749.00	74.90
0114	Beldar	day	1.63	645.00	1051.35
0101	Bhisti	day	0.70	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	2.12	30.32
	TOTAL				3239.46 W
	Add 1 % Water charges on "W"				32.39
	TOTAL				3271.85 X
	Add GST on "X" (multiplying factor 0.1405)				459.70
	TOTAL				3731.55 Y
	Add 15% CPOH on "Y"				559.73
	TOTAL				4291.28 Z
	Add Cess @ 1% on "Z"				42.91
	Cost of 1 cum.				4334.19
	Say				4334.20

4.2 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:

4.2.2 1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Portland Cement (0.2833 cum)	tonne	0.40	5000.00	2000.00
2209	Carriage of Cement	tonne	0.40	145.72	58.29
	LABOUR				
0114	Beldar	day	0.90	645.00	580.50
0115	Coolie	day	0.78	645.00	503.10
0101	Bhisti	day	0.70	714.00	499.80
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	2.12	242.53
9999	Sundries	L.S.	14.30	2.12	30.32
0115	(Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$) Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	day	1.88	645.00	1212.60 7320.02 W 73.20 7393.22 X 1038.75 8431.97 Y 1264.80 9696.77 Z 96.97 9793.73 9793.75

4.2.2A 1:1½:3 (1 cement : 1½ coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) 20 mm nominal size derived from natural sources	cum	0.428	1400.00	599.20
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.142	957.00	135.89
0297	Stone Aggregate (Single size) 10 mm nominal size derived from natural sources	cum	0.21	1350.00	283.50
0281	Recycled Concrete Aggregate (RCA): 10 mm nominal size	cum	0.07	957.00	66.99

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III) derived from natural sources	cum	0.319	1500.00	478.50
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.106	741.00	78.55
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	163.93	69.67
0367	Portland Cement (0.2833 cum)	tonne	0.40	5000.00	2000.00
2209	Carriage of Cement LABOUR	tonne	0.40	145.72	58.29
0114	Beldar	day	0.90	645.00	580.50
0115	Coolie	day	0.78	645.00	503.10
0101	Bhisti	day	0.70	714.00	499.80
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	2.12	242.53
9999	Sundries	L.S.	14.30	2.12	30.32
0115	Coolie TOTAL Add 1 % Water charges on "W"	day	1.88	645.00	1212.60 7149.15 W 71.49
	TOTAL Add GST on "X" (multiplying factor 0.1405)				7220.64 X
	TOTAL Add 15% CPOH on "Y"				1014.50 8235.14 Y 1235.27
	TOTAL Add Cess @ 1% on "Z"				9470.42 Z 94.70
	Cost of 1 cum. Say				9565.12 9565.10

4.2.3 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.67	1400.00	938.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1350.00	297.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III)	cum	0.445	1500.00	667.50
2203	Carriage of Coarse sand	cum	0.445	163.93	72.95
0367	Portland Cement (0.2833 cum)	tonne	0.32	5000.00	1600.00
2209	Carriage of Cement	tonne	0.32	145.72	46.63

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0114	Beldar	day	0.90	645.00	580.50
0115	Coolie	day	0.78	645.00	503.10
0101	Bhisti	day	0.70	714.00	499.80
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	2.12	242.53
9999	Sundries (Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)	L.S.	14.30	2.12	30.32
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	day	1.88	645.00	1212.60 7007.20 W 70.07 7077.27 X 994.36 8071.63 Y 1210.74 9282.37 Z 92.82 9375.20 9375.20

4.2.3A 1:2:4 (1 Cement : 2 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 4 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA upto 25%).)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.503	1400.00	704.20
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.167	957.00	159.82
0297	Stone Aggregate (Single size) 10 mm nominal size derived from natural sources	cum	0.165	1350.00	222.75
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.055	957.00	52.64
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III) derived from natural sources	cum	0.334	1500.00	501.00
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.111	741.00	82.25
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	163.93	69.67

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement (0.2225 cum)	tonne	0.32	5000.00	1600.00
2209	Carriage of Cement	tonne	0.32	145.72	46.63
	LABOUR				
0114	Beldar	day	0.90	645.00	580.50
0115	Coolie	day	0.78	645.00	503.10
0101	Bhisti	day	0.70	714.00	499.80
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	2.12	242.53
9999	Sundries	L.S.	14.30	2.12	30.32
0115	Coolie	day	1.88	645.00	1212.60
	TOTAL				6824.08 W
	Add 1 % Water charges on "W"				68.24
	TOTAL				6892.32 X
	Add GST on "X" (multiplying factor 0.1405)				968.37
	TOTAL				7860.69 Y
	Add 15% CPOH on "Y"				1179.10
	TOTAL				9039.79 Z
	Add Cess @ 1% on "Z"				90.40
	Cost of 1 cum.				9130.19
	Say				9130.20

4.2.5 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.70	1400.00	980.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.24	1350.00	324.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.94	163.93	154.09
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.15674 cum)	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
	LABOUR				
0114	Beldar	day	0.90	645.00	580.50
0115	Coolie	day	0.78	645.00	503.10
0101	Bhisti	day	0.70	714.00	499.80
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding (17.60x2.5 avg.)	L.S.	114.40	2.12	242.53
9999	Sundries (Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)	L.S.	13.52	2.12	28.66
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	day	1.88	645.00	1212.60 6609.77 W 66.10 6675.87 X 937.96 7613.83 Y 1142.07 8755.90 Z 87.56 8843.46 8843.45

4.2.5A 1:3:6 (1 cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0279	Details of cost for 1 cum. MATERIAL Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.70	957.00	669.90
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.24	957.00	229.68
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.94	163.93	154.09
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	741.00	348.27
2203	Carriage of manufactured sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.15674 cum)	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
0114	LABOUR Beldar	day	0.90	645.00	580.50
0115	Coolie	day	0.78	645.00	503.10
0101	Bhisti	day	0.70	714.00	499.80
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	2.12	242.53
9999	Sundries	L.S.	13.52	2.12	28.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	day	1.88	645.00	1212.60 5848.62 W 58.49 5907.11 X 829.95 6737.05 Y 1010.56 7747.61 Z 77.48 7825.09 7825.10

4.2.5B 1:3:6 (1 cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0283	Details of cost for 1 cum. MATERIAL Recycled Aggregate (RA) 40 mm nominal size	cum	0.70	398.00	278.60
0284	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	430.00	103.20
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.94	163.93	154.09
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	741.00	348.27
2203	Carriage of manufactured sand	cum	0.47	163.93	77.05
0367	Portland Cement (0.15674 cum)	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
	LABOUR				
0114	Beldar	day	0.90	645.00	580.50
0115	Coolie	day	0.78	645.00	503.10
0101	Bhisti	day	0.70	714.00	499.80
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	2.12	242.53
9999	Sundries	L.S.	13.52	2.12	28.66
0115	Coolie	day	1.88	645.00	1212.60
	TOTAL				5330.84 W
	Add 1 % Water charges on "W"				53.31
	TOTAL				5384.15 X
	Add GST on "X" (multiplying factor 0.1405)				756.47
	TOTAL				6140.62 Y
	Add 15% CPOH on "Y"				921.09
	TOTAL				7061.71 Z
	Add Cess @ 1% on "Z"				70.62
	Cost of 1 cum.				7132.33
	Say				7132.35

4.2.8 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Portland Cement	tonne	0.13	5000.00	650.00
2209	Carriage of Cement	tonne	0.13	145.72	18.94
	LABOUR				
0114	Beldar	day	0.90	645.00	580.50
0115	Coolie	day	0.78	645.00	503.10
0101	Bhisti	day	0.70	714.00	499.80
0123	Mason (brick layer) 1st class	day	0.10	784.00	78.40
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	2.12	242.53
9999	Sundries (Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)	L.S.	14.30	2.12	30.32
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	day	1.88	645.00	1212.60 6014.90 W 60.15 6075.05 X 853.54 6928.59 Y 1039.29 7967.88 Z 79.68 8047.56 8047.55

4.2.8A 1:5:10 (1 cement : 5 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 10 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	367.00	238.55
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	398.00	95.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	741.00	348.27
2203	Carriage of manufactured sand	cum	0.47	163.93	77.05
0367	Portland Cement	tonne	0.13	5000.00	650.00
2209	Carriage of Cement	tonne	0.13	145.72	18.94
	LABOUR				
0114	Beldar	day	0.90	645.00	580.50
0115	Coolie	day	0.78	645.00	503.10
0101	Bhisti	day	0.70	714.00	499.80
0123	Mason (brick layer) 1st class	day	0.10	784.00	78.40
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	2.12	242.53
9999	Sundries	L.S.	14.30	2.12	30.32
0115	Coolie	day	1.88	645.00	1212.60
	TOTAL				4811.24 W
	Add 1 % Water charges on "W"				48.11
	TOTAL				4859.35 X
	Add GST on "X" (multiplying factor 0.1405)				682.74
	TOTAL				5542.09 Y
	Add 15% CPOH on "Y"				831.31
	TOTAL				6373.41 Z
	Add Cess @ 1% on "Z"				63.73
	Cost of 1 cum.				6437.14
	Say				6437.15

4.3 Centering and shuttering including strutting, propping etc. and removal of form work for :

4.3.1 Foundations, footings, bases for columns

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7319	Details of cost for footing size 2.7mx2.7mx1.00m Contact area = 10.8 sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times, Adding for maintenance @ 10% of cost, Taking salvage value after full use of material @ 25% of cost Wall form panel 1250x500 mm Qty taken for cost of using once =16x0.85/40 = 0.34	each	0.34	860.00	292.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once $=4 \times 0.85/40 = 0.085$	each	0.085	240.00	20.40
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once $=8 \times 0.85/40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) Qty taken for cost of using once $=16 \times 0.85/40 = 0.34$	each	0.34	76.00	25.84
7329	Single clip Qty taken for cost of using once $=8 \times 0.85/40 = 0.17$	each	0.17	59.00	10.03
7330	M.S. tube 40 mm dia Qty taken for cost of using once $=10.8 \times 0.85/40 = 0.2295$	metre	0.2295	215.00	49.34
9999	Assembly nuts & bolts	L.S.	22.10	2.12	46.85
9977	Carriage	L.S.	78.00	2.12	165.36
	LABOUR				
0116	Fitter (grade 1)	day	0.75	784.00	588.00
0114	Beldar	day	1.50	645.00	967.50
9999	Shuttering oil	L.S.	52.00	2.12	110.24
9999	Sundries	L.S.	26.00	2.12	55.12
	TOTAL				2485.78 W
	Add 1 % Water charges on "W"				24.86
	TOTAL				2510.64 X
	Add GST on "X" (multiplying factor 0.1405)				352.75
	TOTAL				2863.39 Y
	Add 15% CPOH on "Y"				429.51
	TOTAL				3292.90 Z
	Add Cess @ 1% on "Z"				32.93
	Cost for 10.8 sqm.				3325.82
	Cost per sqm.				307.95
	Say				307.95

4.3.2 Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7319	Details for 7.9m long and 1.00m high wall Area of contact $2 \times 7.9 \times 1.0 = 15.8$ sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost Wall form panel 1250x500 mm Qty taken for cost of using once $=24 \times 0.85/40 = 0.51$	each	0.51	860.00	438.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once $=8 \times 0.85/40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) Qty taken for cost of using once $=24 \times 0.85/40 = 0.51$	each	0.51	76.00	38.76
7329	Single clip Qty taken for cost of using once $=12 \times 0.85/40 = 0.255$	each	0.255	59.00	15.05
7330	M.S. tube 40 mm dia Qty taken for cost of using once $=32 \times 0.85/40 = 0.68$	metre	0.68	215.00	146.20
9999	Nut & Bolts	L.S.	27.62	2.12	58.55
9977	Carriage	L.S.	78.00	2.12	165.36
0116	LABOUR				
0114	Fitter (grade 1)	day	3.50	784.00	2744.00
9999	Beldar	day	6.00	645.00	3870.00
9999	Shuttering oil	L.S.	78.00	2.12	165.36
9999	Sundries	L.S.	52.00	2.12	110.24
	TOTAL				7906.82 W
	Add 1 % Water charges on "W"				79.07
	TOTAL				7985.89 X
	Add GST on "X" (multiplying factor 0.1405)				1122.02
	TOTAL				9107.90 Y
	Add 15% CPOH on "Y"				1366.19
	TOTAL				10474.09 Z
	Add Cess @ 1% on "Z"				104.74
	Cost for 15.8 sqm.				10578.83
	Cost per sqm.				669.55
	Say				669.55

4.3.3 Columns, piers, abutments, pillars, posts and struts

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7331	Detail of cost for 4.5sqm Size of column 450x450mm and 2.5m high Area of contact = $4 \times 0.45 \times 2.5 = 4.5$ sqm. MATERIAL Assuming shuttering will become unserviceable after use of 40 times Add maintenance charges @ 10% of cost of material Less salvage value of material after full use @ 25% of cost of material Wall form panel 1250x450 mm Qty taken for cost of using once $= 8 \times 0.85/40 = 0.17$	each	0.17	860.00	146.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7332	Corner angle 45x45x5 mm 2.50 m long Qty taken for cost of using once $=4 \times 0.85/40 = 0.085$	each	0.085	255.00	21.68
7333	Column clamp 450x1070 mm Qty taken for cost of using once $=5 \times 0.85/40 = 0.1063$	each	0.1063	965.00	102.58
7334	Prop 2 m (2-3.5m) Qty taken for cost of using once $=4 \times 0.85/40 = 0.085$	each	0.085	635.00	53.98
9999	Assembly nut & bolt	L.S.	27.62	2.12	58.55
9977	CARRIAGE LABOUR	L.S.	52.00	2.12	110.24
0116	Fitter (grade 1)	day	1.00	784.00	784.00
0114	Beldar	day	2.00	645.00	1290.00
9999	Shuttering oil	L.S.	39.00	2.12	82.68
9977	Carriage	L.S.	26.00	2.12	55.12
	TOTAL				2705.02 W
	Add 1 % Water charges on "W"				27.05
	TOTAL				2732.07 X
	Add GST on "X" (multiplying factor 0.1405)				383.86
	TOTAL				3115.93 Y
	Add 15% CPOH on "Y"				467.39
	TOTAL				3583.32 Z
	Add Cess @ 1% on "Z"				35.83
	Cost for 4.5 sqm.				3619.15
	Cost per sqm.				804.26
	Say				804.25

4.4 Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering and finishing.

4.4.1 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for kerb : 100m long 20cm deep and 30cm wide, $100m \times 0.30m \times 0.20m = 6.00 \text{ cum.}$ Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: CONCRETE WORK Cost for 6 cum. Cost per cum. Say	cum	6.00	7783.65	46701.90 A 46701.90 7783.65 7783.65

4.4.1A 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA upto 25%).)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2A	Details of cost for kerb : 100m long 20cm deep and 30cm wide, 100m x 0.30m x 0.20m = 6.00 cum. Cement concrete 1:1.5:3 Rate as per Item No.4.1.2A of SH: CONCRETE WORK Cost for 6 cum. Cost per cum. Say	cum	6.00	7555.05	45330.30 A 45330.30 7555.05 7555.05

4.5 Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc., including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required Centering complete.

4.5.1 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2 0115	Details of cost for Plain window sill 15 nos. 15x1m x 0.20m x 0.15m = 0.45cum. MATERIAL Cement concrete 1:1½:3 Rate as per Item Number 4.1.2 of SH: Concrete work Coolie (Extra labour for lifting = 0.45 x 0.45 x 2.5 = 0.51) Centering and shuttering (1) Mould (i) Plate 3mm thick (2x1x0.15)+(2x0.15x0.20) = 0.36 sqm. @ 23.55kg/m ² = 8.48 kg. (ii) Flat 10x5mm 4x1.0 = 4.0m 8x0.2 = 1.6m 4x0.15 = 0.60m Handle 2x0.25 = 0.5m 6.70m @ 0.4kg/m = 2.68 kg. Total = 11.16kg. or 0.112 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = 0.112x0.75/40 = 0.0021 qtl = 0.21 kg	cum day	0.45 0.51	7783.65 645.00	3502.64 A 328.95

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	Rate as per item no.10.1 S.H. steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 $1 \times 2.0 \times 2.0 = 4 \text{ sqm}$. Qty taken for cost of using once = $4/40 = 0.1 \text{ sqm}$	kg	0.21	93.05	19.54 A
11.1.2	Rate as per item no. 11.1.2 of S.H.: Flooring work (ii) 25mm thick cement concrete 1:2:4 in pavement $2.00 \times 2.00 \times 0.025 = 0.10 \text{ cum}$ Qty taken for cost of using once = $0.100/40 = 0.0025 \text{ cum}$	sqm	0.10	898.20	89.82 A
11.7	Rate as per item no. 11.7 of S.H.: Flooring work	cum	0.0025	7958.65	19.90 A
9999	Mortar and labour for hoisting and finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 0.45 cum. Cost per cum. Say	L.S.	36.30	2.12	76.96 4037.81 W 4.06 4041.86 X 57.60 4099.46 Y 70.13 4169.60 Z 5.38 4174.98 9277.73 9277.75

4.5.1A 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2A 0115	Details of cost for Plain window sill 15 nos. $15 \times 1m \times 0.20m \times 0.15m = 0.45 \text{ cum}$. MATERIAL Cement concrete 1:1½:3 Rate as per Item Number 4.1.2A of SH: Concrete work Coolie (Extra labour for lifting = $0.45 \times 0.45 \times 2.5 = 0.51$) Centering and shuttering (1) Mould	cum day	0.45 0.51	7555.05 645.00	3399.77 A 328.95

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	(i) Plate 3mm thick (2x1x0.15)+(2x0.15x0.20) = 0.36 sqm. @ 23.55kg/m ² = 8.48 kg. (ii) Flat 10x5mm 4x1.0 = 4.0m 8x0.2 = 1.6m 4x0.15 = 0.60m Handle 2x0.25 = 0.5m 6.70m @ 0.4kg/m = 2.68 kg. Total = 11.16kg. or 0.112 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = 0.112x0.75/40 = 0.0021 qtl = 0.21 kg Rate as per item no.10.1 S.H. steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times.	kg	0.21	93.05	19.54 A
11.1.2	(i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm Rate as per item no. 11.1.2 of S.H.: Flooring work (ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.10cum Qty taken for cost of using once = 0.100/40 = 0.0025 cum	sqm	0.10	898.20	89.82 A
Sub A/R-1	Rate as per item no. Sub AR-1 (Reference item no 11.7) Mortar and labour for hoisting and finishing	cum	0.0025	8148.55	20.37 A
9999	TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 0.45 cum. Cost per cum. Say	L.S.	36.30	2.12 76.96 3935.41 W 4.06 3939.47 X 57.60 3997.07 Y 70.13 4067.20 Z 5.38 4072.58 9050.18 9050.20	

Sub AR-1 Cement concrete pavement with 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%), including finishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2A	Details of cost for one cum. MATERIAL Cement concrete 1:1.5:3 Rate as per item No.4.1.2A of S.H.Concrete Work Extra labour for laying in floors etc. 0124 Mason (brick layer) 2nd class 0114 Beldar 0101 Bhisti 9999 Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 1 Cum. Say	cum day day day L.S.	1.00 0.35 0.18 0.05 19.76	7555.05 714.00 645.00 714.00 2.12	7555.05 A 249.90 116.10 35.70 41.89 7998.64 W 4.44 8003.08 X 62.95 8066.02 Y 76.65 8142.67 Z 5.88 8148.55 8148.55

4.6 Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), including the cost of required centering, shuttering complete.

4.6.1 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 25 no kerbs, 40x30x20cm 25 no x 0.40m x 0.30m x 0.20m = 0.6 cum MATERIAL Cement concrete 1:1.5:3 Rate as per Item No.4.1.2 of SH:CONCRETE WORK Centering and shuttering (1) Mould (i) Plate 3mm thick 0.28 sqm. @ 23.55kg/m ² = 6.59 kg. (ii) Flat 10x5mm Handle 2x0.25 x0.4 = 6.79kg. or 0.068 qtl.	cum	0.60	7783.65	4670.19 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = $0.068 \times 0.75 / 40 = 0.001275$ qtl = 0.1275 kg Rate as per item no 10.1 SH: Steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 $1 \times 2.0 \times 2.0 \text{m} = 4 \text{ sqm}$. Qty taken for cost of using once = $4 / 40 = 0.1 \text{ sqm}$	kg	0.1275	93.05	11.86 A
11.1.2	Rate as per item no. 11.1.2 S.H: Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement $2.00 \times 2.00 \times 0.025 = 0.100$ Qty taken for cost of using once = $0.100 / 40 = 0.0025 \text{ cum}$	sqm	0.10	898.20	89.82 A
11.7	Rate as per Item Number 11.7 of	cum	0.0025	7958.65	19.90 A
9999	SH: Flooring Mortar and labour for finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 0.6 cum. Cost per cum. Say	L.S.	30.54	2.12	64.74 4856.52 W 0.65 4857.16 X 9.19 4866.35 Y 11.19 4877.54 Z 0.86 4878.40 8130.66 8130.65

4.6.1A 1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 25 no kerbs, 40x30x20cm 25 no x $0.40 \text{m} \times 0.30 \text{m} \times 0.20 \text{m}$ = 0.6 cum MATERIAL Cement concrete 1:1.5:3				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2A	Rate as per Item No.4.1.2A of SH:CONCRETE WORK Centering and shuttering (1) Mould (i) Plate 3mm thick 0.28 sqm. @ 23.55kg/m ² = 6.59 kg. (ii) Flat 10x5mm Handle 2x0.25 x0.4 = 6.79kg. or 0.068 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = 0.068x0.75/40 = 0.001275 qtl = 0.1275 kg	cum	0.60	7555.05	4533.03 A
10.1	Rate as per item no 10.1 SH: Steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm	kg	0.1275	93.05	11.86 A
11.1.2	Rate as per item no. 11.1.2 S.H: Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.100 Qty taken for cost of using once = 0.100/40 = 0.0025 cum	sqm	0.10	898.20	89.82 A
Sub A/R-1	Rate as per item no. Sub AR-1 (Reference item no 11.7) Mortar and labour for finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 0.6 cum. Cost per cum. Say	cum L.S.	0.0025 30.54	8148.55 2.12	20.37 A 64.74 4719.83 W 0.65 4720.48 X 9.19 4729.67 Y 11.19 4740.85 Z 0.86 4741.71 7902.85 7902.85

- 4.7 Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete :**
- 4.7.1 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 25 no blocks, 40x20x30cm 25 no x 0.40m x 0.30m x 0.20m = 0.6 cum MATERIAL Cement concrete 1:1.5:3 Rate as per Item No.4.1.2 of SH:CONCRETE WORK Centering and shuttering (1) Mould (i) Plate 3mm thick 0.28 sqm. @ 23.55kg/m ² = 6.59 kg. (ii) Flat 10x5mm Handle 2x0.25 x0.4 = 6.79kg. or 0.068 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = 0.068x0.75/80 = 0.001275 qtl = 0.1275 kg	cum	0.60	7783.65	4670.19 A
10.1	Rate as per item no.10.1 S.H: steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm	kg	0.1275	93.05	11.86 A
11.1.2	Rate as per item no. 11.1.2 S.H.: Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.100 Qty taken for cost of using once = 0.100/40 = 0.0025 cum	sqm	0.10	898.20	89.82 A
11.7	Rate as per Item Number 11.7 of SH:Flooring Mortar 1:3 for Fixing 0.202/100x25=0.051	cum	0.0025	7958.65	19.90 A
3.8	Rate as per Item No 3.8 Extra for Labour for lifting (27/100x25=0.675 or 0.68)	cum	0.051	5024.15	256.23
0115	Coolie Labour for hoisting and setting in position	day	0.68	645.00	438.60
0123	Mason (brick layer) 1st class	day	0.60	784.00	470.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 0.6 cum. Cost per cum. Say	day	3.60	645.00	2322.00 8279.00 W 34.87 8313.87 X 494.86 8808.73 Y 602.54 9411.27 Z 46.20 9457.47 15762.45 15762.45

4.7.1A 1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including (Recycled Concrete Aggregate (RCA) upto 25%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2A	Details of cost for 25 no blocks, 40x20x30cm 25 no x 0.40m x 0.30m x 0.20m = 0.6 cum MATERIAL Cement concrete 1:1.5:3 Rate as per Item No.4.1.2A of SH:CONCRETE WORK Centering and shuttering (1) Mould (i) Plate 3mm thick 0.28 sqm. @ 23.55kg/m ² = 6.59 kg. (ii) Flat 10x5mm Handle 2x0.25 x0.4 = 6.79kg. or 0.068 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = 0.068x0.75/80 = 0.001275 qtl = 0.1275 kg	cum	0.60	7555.05	4533.03 A
10.1	Rate as per item no.10.1 S.H: steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm	kg	0.1275	93.05	11.86 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.1.2	Rate as per item no. 11.1.2 S.H.: Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement $2.00 \times 2.00 \times 0.025 = 0.100$ Qty taken for cost of using once $= 0.100/40 = 0.0025$ cum	sqm	0.10	898.20	89.82 A
Sub A/R-1	Rate as per item no. Sub AR-1 (Reference item no 11.7) Mortar 1:3 for Fixing $0.202/100 \times 25 = 0.051$	cum	0.0025	8148.55	20.37 A
3.8	Rate as per Item No 3.8 Extra for Labour for lifting $(27/100 \times 25 = 0.675$ or $0.68)$	cum	0.051	5024.15	256.23
0115	Coolie Labour for hoisting and setting in position	day	0.68	645.00	438.60
0123	Mason (brick layer) 1st class	day	0.60	784.00	470.40
0114	Beldar	day	3.60	645.00	2322.00
	TOTAL				8142.32 W
	Add 1 % Water charges on "W-A"				34.87
	TOTAL				8177.19 X
	Add GST on "X-A" (multiplying factor 0.1405)				494.86
	TOTAL				8672.04 Y
	Add 15% CPOH on "Y-A"				602.54
	TOTAL				9274.59 Z
	Add Cess @ 1% on "Z-A"				46.20
	Cost for 0.6 cum.				9320.78
	Cost per cum.				15534.64
	Say				15534.65

4.8 Providing and fixing up to floor five level precast cement concrete hollow block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete.

4.8.1 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) .

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for one block of overall size 1m x 0.50m and 0.10m thick having 6 vertical hollows, 40x20x30cm finished contents = $1mx0.5mx0.1m = 0.05\text{cum}$ MATERIAL Cement concrete 1:1.5:3 Net qty = $0.05[6 \times 0.5 \times \{2 \times 1/2(0.05+7)\} \times 0.074] = 0.023\text{cum}$ Rate as per Item No.4.1.2 of SH:CONCRETE WORK	cum	0.023	7783.65	179.02 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Centering and shuttering including T&P charges, hire charges of steel mould, table vibrator, rammer, bolts nuts & washers etc.	L.S.	26.91	2.12	57.05
3.7	Cement mortar 1:2 for fixing Rate as per Item No.3.7 of SH:MORTARS LABOUR Extra Labour for lifting material upto floor V level Coolie Labour for hoisting and setting in position Mason (brick layer) 1st class Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 0.05 cum. Cost per cum. Say	cum	0.002	5699.25	11.40
0115		day	0.056	645.00	36.12
0123		day	0.05	784.00	39.20
0114		day	0.30	645.00	193.50
					516.29 W
					3.37
					519.66 X
					47.86
					567.52 Y
					58.28
					625.80 Z
					4.47
					630.27
					12605.40
					12605.40

4.8.1A 1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including (Recycled Concrete Aggregate (RCA) upto 25%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one block of overall size 1m x 0.50m and 0.10m thick having 6 vertical hollows, 40x20x30cm finished contents = 1mx0.5mx0.1m = 0.05cum MATERIAL Cement concrete 1:1.5:3 Net qty = $0.05[6 \times 0.5 \times \{2 \times 1/2(0.05+7)\} \times 0.074] = 0.023\text{cum}$				
4.1.2A	Rate as per Item No.4.1.2A of SH:CONCRETE WORK	cum	0.023	7555.05	173.77 A
9999	Centering and shuttering including T&P charges, hire charges of steel mould, table vibrator, rammer, bolts nuts & washers etc.	L.S.	26.91	2.12	57.05
3.7	Cement mortar 1:2 for fixing Rate as per Item No.3.7 of SH:MORTARS	cum	0.002	5699.25	11.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	LABOUR Extra Labour for lifting material upto floor V level Coolie	day	0.056	645.00	36.12
0123	Labour for hoisting and setting in position	day	0.05	784.00	39.20
0114	Mason (brick layer) 1st class	day	0.30	645.00	193.50
	TOTAL				511.03 W
	Add 1 % Water charges on "W-A"				3.37
	TOTAL				514.41 X
	Add GST on "X-A" (multiplying factor 0.1405)				47.86
	TOTAL				562.27 Y
	Add 15% CPOH on "Y-A"				58.28
	TOTAL				620.54 Z
	Add Cess @ 1% on "Z-A"				4.47
	Cost for 0.05 cum.				625.01
	Cost per cum.				12500.19
	Say				12500.20

4.9 Precasting and placing in position 125 mm dia Bollards 600 mm high of required shape including providing M.S. Pipe Sleeve 50 mm dia 300 mm long in the Bollard and M.S. Pipes 40 mm dia and 450mm long with 150x150x6mm M.S. plate welded at bottom and embedded 150mm in cement concrete 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources), including necessary excavation of size 250x250x450mm deep for the same in bitumen/concrete pavement at specified spacing.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.1.3	Details of Cost for one bollard MATERIAL Cement concrete 1:2:4 $3.14/4 \times (0.125) \times (0.125) \times 0.60 = 0.007 \text{ cum}$ Rate as per Item no. 5.1.3 SH : RCC Centering and shuttering $3.14 \times (0.125) \times 0.60 = 0.24 \text{ sqm}$	cum	0.007	7945.65	55.62 A
5.9.1	Rate as per Item no. 5.9.1 SH : RCC M.S. pipes (medium class) 50 mm dia sleeve = $1 \times 0.30 \times 5.10 = 1.53 \text{ kg}$ 40 mm dia pipe = $1 \times 0.45 \times 3.61 = 1.62 \text{ kg}$ M.S. plate 3mm thick = $(0.15 \times 0.15) \times 23.55 = 0.53 \text{ kg}$ Total = 3.68 kg	sqm	0.24	307.95	73.91 A
10.1	Rate as per Item no.10.1 SH : Steel work Excavation $0.25 \times 0.25 \times 0.45 = 0.03 \text{ cum}$	kg	3.68	93.05	342.42 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Rate as per Item no. 2.8.1 SH : Earth work Cement concrete 1:3:6	cum	0.03	286.85	8.61 A
4.1.5	Rate as per Item no. 4.1.5 SH : Cement concrete 6 mm rendering (1:3) (0.24+0.01) = 0.25 sqm	cum	0.03	6833.40	205.00 A
5.23 9988	Rate as per Item no. 5.23 SH : RCC Carriage and fixing charges TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for one bollard Say	sqm L.S.	0.25 13.00	253.05 2.12 3.91 780.57 Y 4.76 785.33 Z 0.37 785.70 785.70	63.26 A 27.56 776.38 W 0.28 776.66 X 785.70

4.9 A Precasting and placing in position 125 mm dia Bollards 600 mm high of required shape including providing M.S. Pipe Sleeve 50 mm dia 300 mm long in the Bollard and M.S. Pipes 40 mm dia and 450mm long with 150x150x6mm M.S. plate welded at bottom and embedded 150mm in cement concrete 1:3:6 (1 Cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size (Recycled Concrete Aggregate (RCA)), including necessary excavation of size 250x250x450mm deep for the same in bitumen/ concrete pavement at specified spacing

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.1.3A	Details of Cost for one bollard MATERIAL Cement concrete 1:2:4 3.14/4x(0.125)x(0.125)x0.60 = 0.007 cum Rate as per Item no. 5.1.3 SH : RCC Centering and shuttering 3.14x(0.125)x0.60 = 0.24 sqm	cum	0.007	7752.70	54.27 A
5.9.1	Rate as per Item no. 5.9.1 SH : RCC M.S. pipes (medium class) 50 mm dia sleeve =1x0.30x5.10 =1.53 kg 40 mm dia pipe =1x0.45x3.61 =1.62 kg M.S. plate 3mm thick =(0.15x0.15)x 23.55 =0.53 kg Total =3.68 kg	sqm	0.24	307.95	73.91 A
10.1	Rate as per Item no.10.1SH : Steel work Excavation 0.25x0.25x0.45 = 0.03 cum	kg	3.68	93.05	342.42 A
2.8.1	Rate as per Item no. 2.8.1 SH : Earth work Cement concrete 1:3:6	cum	0.03	286.85	8.61 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.5 A 5.23 9988	Rate as per Item no. 4.1.5 A SH : Cement concrete 6 mm rendering (1:3) (0.24+0.01) = 0.25 sqm Rate as per Item no. 5.23 SH : RCC Carriage and fixing charges TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for one bollard Say	cum sqm L.S.	0.03 0.25 13.00	5815.05 253.05 2.12	174.45 A 63.26 A 27.56 744.48 W 0.28 744.76 X 3.91 748.67 Y 4.76 753.43 Z 0.37 753.79 753.80

4.9 B Precasting and placing in position 125 mm dia Bollards 600 mm high of required shape including providing M.S. Pipe Sleeve 50 mm dia 300 mm long in the Bollard and M.S. Pipes 40 mm dia and 450mm long with 150x150x6mm M.S. plate welded at bottom and embedded 150mm in cement concrete 1:3:6 (1 Cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size (Recycled Aggregate (RA), including necessary excavation of size 250x250x450mm deep for the same in bitumen/concrete pavement at specified spacing

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.1.3A	Details of Cost for one bollard MATERIAL Cement concrete 1:2:4 $3.14/4 \times (0.125) \times (0.125) \times 0.60 = 0.007$ cum Rate as per Item no. 5.1.3 SH : RCC Centering and shuttering $3.14 \times (0.125) \times 0.60 = 0.24$ sqm	cum	0.007	7752.70	54.27 A
5.9.1	Rate as per Item no. 5.9.1 SH : RCC M.S. pipes (medium class) 50 mm dia sleeve = $1 \times 0.30 \times 5.10 = 1.53$ kg 40 mm dia pipe = $1 \times 0.45 \times 3.61 = 1.62$ kg M.S. plate 3mm thick =(0.15×0.15)×23.55 =0.53 kg Total =3.68 kg	kg	3.68	93.05	342.42 A
10.1	Rate as per Item no.10.1 SH : Steel work Excavation $0.25 \times 0.25 \times 0.45 = 0.03$ cum	cum	0.03	286.85	8.61 A
2.8.1	Rate as per Item no. 2.8.1 SH : Earth work Cement concrete 1:3:6				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.5 B	Rate as per Item no. 4.1.5 B SH : Cement concrete 6 mm rendering (1:3) (0.24+0.01) = 0.25 sqm	cum	0.03	5122.25	153.67 A
5.23 9988	Rate as per Item no. 5.23 SH : RCC Carriage and fixing charges TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for one bollard Say	sqm L.S.	0.25 13.00	253.05 2.12	63.26 A 27.56 723.70 W 0.28 723.97 X 3.91 727.88 Y 4.76 732.64 Z 0.37 733.01 733.00

4.10 Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.3	Details of cost for 10 sqm MATERIAL Cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 12.5 mm nominal size) $10 \times 0.040 = 0.40$ cum Rate as per item no 4.1.3 of SH: Concrete work	cum	0.40	7365.15	2946.06 A
0295	Add deduct for difference of cost between 20mm size and 12.5mm size Stone Aggregate (Single size) :	cum	-0.67	1400.00	-938.00
0296	20 mm nominal size Stone Aggregate (Single size) :	cum	0.67	1350.00	904.50
0123	12.5 mm nominal size Add for delay	day	0.40	784.00	313.60
0124	Mason (brick layer) 1st class	day	0.40	714.00	285.60
9999	Mason (brick layer) 2nd class Sundries (Form work etc.)	L.S.	1.95	2.12	4.13
	TOTAL				3515.89 W
	Add 1 % Water charges on "W-A"				5.70
	TOTAL				3521.59 X
	Add GST on "X-A" (multiplying factor 0.1405)				80.86
	TOTAL				3602.45 Y
	Add 15% CPOH on "Y-A"				98.46
	TOTAL				3700.91 Z
	Add Cess @ 1% on "Z-A"				7.55
	Cost for 10 sqm				3708.46
	Cost for 1 sqm				370.85
	Say				370.85

4.10A Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 4 graded stone aggregate 12.5mm nominal size including (Recycled Concrete Aggregate (RCA) upto 25%))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.3A	Details of cost for 10 sqm MATERIAL Cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) Recycled concrete aggregate (RCA) upto 25% : 4 graded stone aggregate 12.5mm nominal size (Recycled concrete aggregate (RCA) upto 25%)) $10 \times 0.040 = 0.40$ cum Rate as per item no 4.1.3A of SH: Concrete work Add deduct for difference of cost between 20mm size and 12.5mm size Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.40	7124.50	2849.80 A
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from Reinforced Cement Concrete (RCA)	cum	-0.503	1400.00	-704.20
0279	Stone Aggregate (Single size) : 20 mm nominal size derived from Reinforced Cement Concrete (RCA)	cum	-0.167	957.00	-159.82
0296	Stone Aggregate (Single size) : 12.5 mm nominal size derived from natural sources	cum	0.503	1350.00	679.05
0280	Stone Aggregate (Single size) : 12.5 mm nominal size derived from Reinforced Cement Concrete (RCA) Add for delay	cum	0.167	957.00	159.82
0123	Mason (brick layer) 1st class	day	0.40	784.00	313.60
0124	Mason (brick layer) 2nd class	day	0.40	714.00	285.60
9999	Sundries (Form work etc.)	L.S.	1.95	2.12	4.13
	TOTAL				3427.98 W
	Add 1 % Water charges on "W-A"				5.78
	TOTAL				3433.77 X
	Add GST on "X-A" (multiplying factor 0.1405)				82.05
	TOTAL				3515.81 Y
	Add 15% CPOH on "Y-A"				99.90
	TOTAL				3615.71 Z
	Add Cess @ 1% on "Z-A"				7.66
	Cost for 10 sqm				3623.37
	Cost for 1 sqm				362.34
	Say				362.35

4.11 Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.3 0123 0124 9999	Details of cost for 10 sqm MATERIAL Cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size) = $10 \times 0.05 = 0.50$ cum Rate as per item no 4.1.3 of SH:Concrete work Add for delay : Mason (brick layer) 1st class Mason (brick layer) 2nd class Sundries (Form work etc.) TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 10 sqm. Cost of 1 sqm. Say	cum day day L.S.	0.50 0.40 0.40 13.52	7365.15 784.00 714.00 2.12	3682.58 A 313.60 285.60 28.66 4310.44 W 6.28 4316.72 X 89.10 4405.81 Y 108.49 4514.30 Z 8.32 4522.62 452.26 452.25

4.11A Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 4 graded stone aggregate 20mm nominal size including (Recycled Concrete Aggregate (RCA) upto 25%))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.3A 0123 0124	Details of cost for 10 sqm MATERIAL 1:2:4 (1 cement : 2 coarse sand (zone-III) Recycled concrete aggregate (RCA) upto 25% : 4 graded stone aggregate 20mm nominal size (Recycled Concrete Aggregate (RCA) upto 25%)) = $10 \times 0.05 = 0.50$ cum Rate as per item no 4.1.3A of SH: Concrete work Add for delay : Mason (brick layer) 1st class Mason (brick layer) 2nd class	cum day day	0.50 0.40 0.40	7124.50 784.00 714.00	3562.25 A 313.60 285.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (Form work etc.) TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 10 sqm. Cost of 1 sqm. Say	L.S.	13.52	2.12	28.66 4190.11 W 6.28 4196.39 X 89.10 4285.49 Y 108.49 4393.97 Z 8.32 4402.29 440.23 440.25

4.12 Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1213	Details of cost for per bag of 50kg. of cement MATERIAL Approved waterproofing'materials according to the recommended proportions	kilogram	1.00	35.00	35.00
9988	Water proofing materials Carriage of water proofing material and labour for mixing etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per bag of cement of 50kg. Say	L.S.	3.64	2.12	7.72 42.72 W 0.43 43.14 X 6.06 49.21 Y 7.38 56.59 Z 0.57 57.15 57.15

4.13 Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0309	Details of cost for 10sqm. MATERIAL Paving bitumen VG-10 of approved quality	tonne	0.017	25614.00	435.44
0771	Kerosene oil Fuel for heating	litre	1.23	50.00	61.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0370	Coal (steam)	quintal	0.035	440.00	15.40
2211	Carriage of Tar bitumen	tonne	0.017	163.93	2.79
	LABOUR				
	Cleaning surface and applying kerosene oil				
0114	Beldar	day	0.12	645.00	77.40
0115	Heating the material	day	0.07	645.00	45.15
0131	Coolie	day	0.20	714.00	142.80
9988	Spreading hot tar over damp proof course	L.S.	33.15	2.12	70.28
	Painter				850.75 W
	Sundries (Carriage of kerosene, steam coal, brushes, T&P etc.)				8.51
	TOTAL				859.26 X
	Add 1 % Water charges on "W"				
	TOTAL				120.73
	Add GST on "X" (multiplying factor 0.1405)				979.99 Y
	TOTAL				147.00
	Add 15% CPOH on "Y"				1126.98 Z
	TOTAL				11.27
	Add Cess @ 1% on "Z"				1138.25
	Cost for 10 sqm.				113.83
	Cost of 1 sqm.				113.85
	Say				

4.14 Extra for concrete work in superstructure above floor V level for each four floors or part thereof.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Details of cost per cum. Extra labour element required for lifting of materials ($0.75 \times 2.00 = 1.50$) Coolie TOTAL	day	1.50	645.00	967.50
	Add 1 % Water charges on "W"				967.50 W
	TOTAL				9.68
	Add GST on "X" (multiplying factor 0.1405)				977.18 X
	TOTAL				137.29
	Add 15% CPOH on "Y"				1114.47 Y
	TOTAL				167.17
	Add Cess @ 1% on "Z"				1281.64 Z
	Cost for 1 cum.				12.82
	Say				1294.45
					1294.45

4.15 Extra for laying concrete in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0011	Details of cost for 14 cum per 0.3m depth Quantity of concrete = 14 cum. pumping hours = 3 hrs. or 0.375 day. Hire charges of Pumpset of capacity 4000 litres/hour.				
0114	Beldar for cleaning slush TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 14cum. per 0.30 m depth Cost of cum. per m depth Say	day day	0.375 4.00	700.00 645.00	262.50 2580.00 2842.50 W 28.43 2870.93 X 403.36 3274.29 Y 491.14 3765.43 Z 37.65 3803.09 905.50 905.50

4.16 Extra for laying concrete in or under foul positions.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for 1 cum. Extra labour due to slow progress- Mason (brick layer) 1st class	day	0.02	784.00	15.68
0124	Mason (brick layer) 2nd class	day	0.02	714.00	14.28
0114	Beldar	day	0.25	645.00	161.25
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 cum. Say	day	0.15	645.00 40.86 331.70 Y 49.76 381.46 Z 3.81 385.27 385.25	96.75 287.96 W 2.88 290.84 X

4.17 Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 10 sqm MATERIAL				
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	0.75	650.00	487.50
2260	Carriage of Brick aggregate	cum	0.75	178.19	133.64
0983	Fine sand (zone IV)	cum	0.06	900.00	54.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand) Dressing the gound including cutting and filling upto 15cm	cum	0.06	163.93	9.84
0114	Beldar	day	0.16	645.00	103.20
0115	Coolie	day	0.11	645.00	70.95
	MATERIAL				
0295	Qty. of cement concrete 1:3:6 on 10 sqm. area = 0.5cum. Stone Aggregate (Single size) : 20 mm nominal size	cum	0.35	1400.00	490.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.12	1350.00	162.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.47	163.93	77.05
0982	Coarse sand (zone III)	cum	0.23	1500.00	345.00
2203	Carriage of Coarse sand	cum	0.23	163.93	37.70
0367	Portland Cement	tonne	0.11	5000.00	550.00
2209	Carriage of Cement Labour (for C.C 1:3:6)	tonne	0.11	145.72	16.03
0114	Beldar	day	1.00	645.00	645.00
0123	Mason (brick layer) 1st class	day	0.05	784.00	39.20
0101	Bhisti	day	0.33	714.00	235.62
9999	Hire and runing charges of mechanical mixer	L.S.	13.39	2.12	28.39
9999	Sundries	L.S.	6.76	2.12	14.33
	LABOUR				
0155	Mason (average)	day	0.27	749.00	202.23
0114	Beldar	day	1.08	645.00	696.60
0115	Coolie	day	1.08	645.00	696.60
	TOTAL				5094.88 W
	Add 1 % Water charges on "W"				50.95
	TOTAL				5145.83 X
	Add GST on "X" (multiplying factor 0.1405)				722.99
	TOTAL				5868.81 Y
	Add 15% CPOH on "Y"				880.32
	TOTAL				6749.14 Z
	Add Cess @ 1% on "Z"				67.49
	Cost of 10.00 sqm				6816.63
	Cost of 1.00 sqm				681.66
	Say				681.65

4.17A Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 10 sqm MATERIAL				
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	0.75	650.00	487.50
2260	Carriage of Brick aggregate	cum	0.75	178.19	133.64
0983	Fine sand (zone IV)	cum	0.06	900.00	54.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand) Dressing the gound including cutting and filling upto 15cm	cum	0.06	163.93	9.84
0114	Beldar	day	0.16	645.00	103.20
0115	Coolie	day	0.11	645.00	70.95
	MATERIAL				
	Qty. of cement concrete 1:3:6 on 10 sqm. area = 0.5cum.				
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.35	957.00	334.95
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.12	957.00	114.84
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.47	163.93	77.05
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.23	741.00	170.43
2203	Carriage of Coarse sand including manufactured sand	cum	0.23	163.93	37.70
0367	Portland Cement	tonne	0.11	5000.00	550.00
2209	Carriage of Cement	tonne	0.11	145.72	16.03
	Labour (for C.C 1:3:6)				
0114	Beldar	day	1.00	645.00	645.00
0123	Mason (brick layer) 1st class	day	0.05	784.00	39.20
0101	Bhisti	day	0.33	714.00	235.62
9999	Hire and runing charges of mechanical mixer	L.S.	13.39	2.12	28.39
9999	Sundries	L.S.	6.76	2.12	14.33
	LABOUR				
0155	Mason (average)	day	0.27	749.00	202.23
0114	Beldar	day	1.08	645.00	696.60
0115	Coolie	day	1.08	645.00	696.60
	TOTAL				4718.10 W
	Add 1 % Water charges on "W"				47.18
	TOTAL				4765.28 X
	Add GST on "X" (multiplying factor 0.1405)				669.52
	TOTAL				5434.80 Y
	Add 15% CPOH on "Y"				815.22
	TOTAL				6250.02 Z
	Add Cess @ 1% on "Z"				62.50
	Cost of 10.00 sqm				6312.52
	Cost of 1.00 sqm				631.25
	Say				631.25

4.17B Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Aggregate (RA) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 10 sqm MATERIAL				
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	0.75	650.00	487.50
2260	Carriage of Brick aggregate	cum	0.75	178.19	133.64
0983	Fine sand (zone IV)	cum	0.06	900.00	54.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.06	163.93	9.84
	Dressing the gound including cutting and filling upto 15cm				
0114	Beldar	day	0.16	645.00	103.20
0115	Coolie	day	0.11	645.00	70.95
	MATERIAL				
	Qty. of cement concrete 1:3:6 on 10 sqm. area = 0.5cum.				
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.35	398.00	139.30
0284	Recycled Aggregate (RA) 10 mm nominal size	cum	0.12	430.00	51.60
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.47	163.93	77.05
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.23	741.00	170.43
2203	Carriage of manufactured sand	cum	0.23	163.93	37.70
0367	Portland Cement	tonne	0.11	5000.00	550.00
2209	Carriage of Cement	tonne	0.11	145.72	16.03
	Labour (for C.C 1:3:6)				
0114	Beldar	day	1.00	645.00	645.00
0123	Mason (brick layer) 1st class	day	0.05	784.00	39.20
0101	Bhisti	day	0.33	714.00	235.62
9999	Hire and runing charges of mechanical mixer	L.S.	13.39	2.12	28.39
9999	Sundries	L.S.	6.76	2.12	14.33
	LABOUR				
0155	Mason (average)	day	0.27	749.00	202.23
0114	Beldar	day	1.08	645.00	696.60
0115	Coolie	day	1.08	645.00	696.60
	TOTAL				4459.21 W
	Add 1 % Water charges on "W"				44.59
	TOTAL				4503.80 X
	Add GST on "X" (multiplying factor 0.1405)				632.78
	TOTAL				5136.58 Y
	Add 15% CPOH on "Y"				770.49
	TOTAL				5907.07 Z
	Add Cess @ 1% on "Z"				59.07
	Cost of 10.00 sqm				5966.14
	Cost of 1.00 sqm				596.61
	Say				596.60

- 4.18 Extra for addition of synthetic Polyester triangular fibre of length 12mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement concrete/RCC/Flooring/water retaining structures by using 125gms of synthetic Polyester triangular fibre for 50 Kg cement used as per directions of Engineer-in-Charge.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8732	Detail of cost for per bag of 50 kg of cement used in concrete MATERIAL Synthetic polyester triangular fibre of length 12mm, effective dia 10-40 microns and specific gravity of 1.34 to 1.40 TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per bag of 50 kg of cement Say	kg	0.125	370.00	46.25 46.25 W 0.46 46.71 X 6.56 53.28 Y 7.99 61.27 Z 0.61 61.88 61.90

- 4.20 Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete.**

Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.

- 4.20.1 All works upto plinth level :**

- 4.20.1.1 Concrete of M10 grade with minimum cement content of 220 kg /cum**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.10	29.00	31.90
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
0155	Labour for pouring, consolidating & curing	day	0.17	749.00	127.33
0114	Mason (average)	day	2.00	645.00	1290.00
0101	Beldar	day	0.90	714.00	642.60
0012	Bhisti	day	0.07	350.00	24.50
9999	Vibrator(Needle type 40mm)	L.S.	13.00	2.12	27.56
	TOTAL				6004.16 W
	Add 1 % Water charges on "W"				60.04
	TOTAL				6064.20 X
	Add GST on "X" (multiplying factor 0.1405)				852.02
	TOTAL				6916.22 Y
	Add 15% CPOH on "Y"				1037.43
	TOTAL				7953.66 Z
	Add Cess @ 1% on "Z"				79.54
	Cost per 1.00 cum				8033.19
	Say				8033.20

4.20.1.2 Concrete of M15 grade with minimum cement content of 240 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.24	5000.00	1200.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of Cement	tonne	0.24	145.72	34.97
7318	Plasticizer / super plasticizer	kilogram	1.20	29.00	34.80
0004	Production cost, pumping to respective floors and laying in position				
0009	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
0155	Labour for pouring, consolidating & curing	day	0.17	749.00	127.33
0114	Mason (average)	day	2.00	645.00	1290.00
0101	Beldar	day	0.90	714.00	642.60
0012	Bhisti	day	0.07	350.00	24.50
9999	Vibrator(Needle type 40mm)	L.S.	13.00	2.12	27.56
	TOTAL				6109.98 W
	Add 1 % Water charges on "W"				61.10
	TOTAL				6171.08 X
	Add GST on "X" (multiplying factor 0.1405)				867.04
	TOTAL				7038.11 Y
	Add 15% CPOH on "Y"				1055.72
	TOTAL				8093.83 Z
	Add Cess @ 1% on "Z"				80.94
	Cost per 1.00 cum				8174.77
	Say				8174.75

4.20.1.3 Concrete of M20 grade with minimum cement content of 270 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.27	5000.00	1350.00
2209	Carriage of Cement	tonne	0.27	145.72	39.34
7318	Plasticizer / super plasticizer	kilogram	1.35	29.00	39.15
	Production cost, pumping to respective floors and laying in position				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
0155	Labour for pouring, consolidating & curing	day	0.17	749.00	127.33
0114	Mason (average)	day	2.00	645.00	1290.00
0101	Beldar	day	0.90	714.00	642.60
0012	Bhisti	day	0.07	350.00	24.50
9999	Vibrator(Needle type 40mm)	L.S.	13.00	2.12	27.56
	Sundries				6268.70 W
	TOTAL				62.69
	Add 1 % Water charges on "W"				6331.39 X
	TOTAL				889.56
	Add GST on "X" (multiplying factor 0.1405)				7220.94 Y
	TOTAL				1083.14
	Add 15% CPOH on "Y"				8304.09 Z
	TOTAL				83.04
	Add Cess @ 1% on "Z"				8387.13
	Cost per 1.00 cum				8387.15
	Say				

4.20.1.4 Concrete of M25 grade with minimum cement content of 300 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.30	5000.00	1500.00
2209	Carriage of Cement	tonne	0.30	145.72	43.72
7318	Plasticizer / super plasticizer	kilogram	1.50	29.00	43.50
0004	Production cost, pumping to respective floors and laying in position Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	2.12	27.56
	TOTAL				6427.42 W
	Add 1 % Water charges on "W"				64.27
	TOTAL				6491.69 X
	Add GST on "X" (multiplying factor 0.1405)				912.08
	TOTAL				7403.78 Y
	Add 15% CPOH on "Y"				1110.57
	TOTAL				8514.34 Z
	Add Cess @ 1% on "Z"				85.14
	Cost per 1.00 cum				8599.49
	Say				8599.50

4.20.2 All works above plinth and upto floor V level

4.20.2.1 Concrete of M10 grade with minimum cement content of 220 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.10	29.00	31.90
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Labour for pouring, consolidating & curing				
0114	Mason (average)	day	0.17	749.00	127.33
0101	Beldar	day	2.00	645.00	1290.00
0012	Bhisti	day	0.90	714.00	642.60
9999	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
	Sundries (Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56
0115	Coolie	day	1.88	645.00	1212.60
	TOTAL				7216.76 W
	Add 1 % Water charges on "W"				72.17
	TOTAL				7288.93 X
	Add GST on "X" (multiplying factor 0.1405)				1024.09
	TOTAL				8313.02 Y
	Add 15% CPOH on "Y"				1246.95
	TOTAL				9559.98 Z
	Add Cess @ 1% on "Z"				95.60
	Cost per 1.00 cum				9655.58
	Say				9655.60

4.20.2.2 Concrete of M15 grade with minimum cement content of 240 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size ($0.70 - 7.5\%$ for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.24	5000.00	1200.00
2209	Carriage of Cement	tonne	0.24	145.72	34.97
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.20	29.00	34.80
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc. Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries (Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	day	1.88	645.00	1212.60 7322.58 W 73.23 7395.80 X 1039.11 8434.91 Y 1265.24 9700.15 Z 97.00 9797.15 9797.15

4.20.2.3 Concrete of M20 grade with minimum cement content of 270 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size ($0.70 - 7.5\%$ for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.27	5000.00	1350.00
2209	Carriage of Cement	tonne	0.27	145.72	39.34
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.35	29.00	39.15
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc. Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0012 9999	Vibrator(Needle type 40mm) Sundries (Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)	day L.S.	0.07 13.00	350.00 2.12	24.50 27.56
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	day	1.88	645.00	1212.60 7481.30 W 74.81 7556.11 X 1061.63 8617.74 Y 1292.66 9910.41 Z 99.10 10009.51 10009.50

4.20.2.4 Concrete of M25 grade with minimum cement content of 300 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size ($0.70 - 7.5\%$ for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1400.00	336.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	178.19	115.82
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	163.93	39.34
0982	Coarse sand (zone III)	cum	0.47	1500.00	705.00
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.30	5000.00	1500.00
2209	Carriage of Cement	tonne	0.30	145.72	43.72
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.50	29.00	43.50
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	day	1.88	645.00 7640.02 W 76.40 7716.42 X 1084.16 8800.58 Y 1320.09 10120.66 Z 101.21 10221.87 10221.85	1212.60 7640.02 W 76.40 7716.42 X 1084.16 8800.58 Y 1320.09 10120.66 Z 101.21 10221.87 10221.85

4.20A Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources and using recycled concrete aggregate (RCA) as coarse aggregate and fine aggregate within the permissible utilization, Portland Pozzolana / Ordinary Portland/Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete.
 Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.

4.20A.1 All works upto plinth level

4.20A.1.1 Concrete of M10 grade with minimum cement content of 220 kg /cum.
 (Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 100% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0279	Details of cost for 1.00 cum MATERIAL Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.89	957.00	851.73
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0278	Fine aggregate derived from recycled concrete aggregate (RCA)	cum	0.47	741.00	348.27
2203	Carriage of fine aggregate derived from recycled concrete aggregate (RCA)	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.10	29.00	31.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
0155	Labour for pouring, consolidating & curing	day	0.17	749.00	127.33
0114	Mason (average)	day	2.00	645.00	1290.00
0101	Beldar	day	0.90	714.00	642.60
0012	Bhisti	day	0.07	350.00	24.50
9999	Vibrator(Needle type 40mm)	L.S.	13.00	2.12	27.56
	Sundries				5308.89 W
	TOTAL				53.09
	Add 1 % Water charges on "W"				5361.98 X
	TOTAL				753.36
	Add GST on "X" (multiplying factor 0.1405)				6115.34 Y
	TOTAL				917.30
	Add 15% CPOH on "Y"				7032.64 Z
	TOTAL				70.33
	Add Cess @ 1% on "Z"				7102.97
	Cost per 1.00 cum				7102.95
	Say				

**4.20A.1.2 Concrete of M15 grade with minimum cement content of 240 kg /cum.
(Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1400.00	935.20
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1500.00	529.50
0278	Fine aggregate derived from recycled concrete aggregate (RCA) (25%)	cum	0.117	741.00	86.70
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.24	5000.00	1200.00
2209	Carriage of Cement	tonne	0.24	145.72	34.97
7318	Plasticizer / super plasticizer	kilogram	1.20	29.00	34.80
0004	Production cost, pumping to respective floors and laying in position Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	2.12	27.56
	TOTAL				5978.56 W
	Add 1 % Water charges on "W"				59.79
	TOTAL				6038.34 X
	Add GST on "X" (multiplying factor 0.1405)				848.39
	TOTAL				6886.73 Y
	Add 15% CPOH on "Y"				1033.01
	TOTAL				7919.74 Z
	Add Cess @ 1% on "Z"				79.20
	Cost per 1.00 cum				7998.94
	Say				7998.95

4.20A.1.3 Concrete of M20 grade with minimum cement content of 270 kg /cum.

(Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1400.00	935.20
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1500.00	529.50
0278	Fine aggregate derived from recycled concrete aggregate (RCA) (25%)	cum	0.117	741.00	86.70
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.27	5000.00	1350.00
2209	Carriage of Cement	tonne	0.27	145.72	39.34
7318	Plasticizer / super plasticizer	kilogram	1.35	29.00	39.15
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	2.12	27.56
	TOTAL				6137.28 W
	Add 1 % Water charges on "W"				61.37
	TOTAL				6198.65 X
	Add GST on "X" (multiplying factor 0.1405)				870.91
	TOTAL				7069.56 Y
	Add 15% CPOH on "Y"				1060.43
	TOTAL				8130.00 Z
	Add Cess @ 1% on "Z"				81.30
	Cost per 1.00 cum				8211.30
	Say				8211.30

4.20A.1.4 Concrete of M25 grade with minimum cement content of 300 kg /cum.

(Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1400.00	935.20
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1500.00	529.50
0278	Fine aggregate derived from recycled concrete aggregate (RCA) (25%)	cum	0.117	741.00	86.70
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.30	5000.00	1500.00
2209	Carriage of Cement	tonne	0.30	145.72	43.72
7318	Plasticizer / super plasticizer	kilogram	1.50	29.00	43.50
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	2.12	27.56
	TOTAL				6296.00 W
	Add 1 % Water charges on "W"				62.96
	TOTAL				6358.96 X
	Add GST on "X" (multiplying factor 0.1405)				893.43
	TOTAL				7252.40 Y
	Add 15% CPOH on "Y"				1087.86
	TOTAL				8340.26 Z
	Add Cess @ 1% on "Z"				83.40
	Cost per 1.00 cum				8423.66
	Say				8423.65

4.20A.2 All works above plinth and upto floor V level

4.20A.2.1 Concrete of M10 grade with minimum cement content of 220 kg /cum.

(Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 100% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0279	Details of cost for 1.00 cum MATERIAL Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.89	957.00	851.73
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0278	Fine aggregate derived from recycled concrete aggregate (RCA) (25%)	cum	0.47	741.00	348.27
2203	Carriage of fine aggregate derived from recycled concrete aggregate (RCA)	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.22	5000.00	1100.00
2209	Carriage of Cement	tonne	0.22	145.72	32.06
7318	Plasticizer / super plasticizer	kilogram	1.10	29.00	31.90
0004	Production cost, pumping to respective floors and laying in position	cum	1.00	400.00	400.00
0009	Production cost of concrete by batch mix plant / ready mixed plant. Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries (Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	day	1.88	645.00	1212.60 6521.49 W 65.21 6586.71 X 925.43 7512.14 Y 1126.82 8638.96 Z 86.39 8725.35 8725.35

4.20A.2.2 Concrete of M15 grade with minimum cement content of 240 kg /cum.

(Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1400.00	935.20
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1500.00	529.50
0278	Fine aggregate derived from recycled concrete aggregate (RCA) (25%)	cum	0.117	741.00	86.70
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.24	5000.00	1200.00
2209	Carriage of Cement	tonne	0.24	145.72	34.97
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.20	29.00	34.80
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc. Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries (Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	day	1.88	645.00	1212.60 7191.16 W 71.91 7263.07 X 1020.46 8283.53 Y 1242.53 9526.06 Z 95.26 9621.32 9621.30

**4.20A.2.3 Concrete of M20 grade with minimum cement content of 270 kg /cum.
(Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1400.00	935.20
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1500.00	529.50
0278	Fine aggregate derived from recycled concrete aggregate (RCA) (25%)	cum	0.117	741.00	86.70
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.27	5000.00	1350.00
2209	Carriage of Cement	tonne	0.27	145.72	39.34
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.35	29.00	39.15
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc. Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries (Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	day	1.88	645.00	1212.60 7349.88 W 73.50 7423.38 X 1042.98 8466.36 Y 1269.95 9736.32 Z 97.36 9833.68 9833.70

**4.20A.2.4 Concrete of M25 grade with minimum cement content of 300 kg /cum.
(Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1400.00	935.20
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1500.00	529.50
0278	Fine aggregate derived from recycled concrete aggregate (RCA) (25%)	cum	0.117	741.00	86.70
2203	Carriage of Coarse sand	cum	0.47	163.93	77.05
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.30	5000.00	1500.00
2209	Carriage of Cement	tonne	0.30	145.72	43.72
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.50	29.00	43.50
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc. Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries (Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56
0115	Coolie	day	1.88	645.00	1212.60
	TOTAL				7508.60 W
	Add 1 % Water charges on "W"				75.09
	TOTAL				7583.69 X
	Add GST on "X" (multiplying factor 0.1405)				1065.51
	TOTAL				8649.20 Y
	Add 15% CPOH on "Y"				1297.38
	TOTAL				9946.58 Z
	Add Cess @ 1% on "Z"				99.47
	Cost per 1.00 cum				10046.04
	Say				10046.05

SUB HEAD : 5.0

**REINFORCED CEMENT
CONCRETE**

5.1 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :

5.1.2 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Portland Cement (0.2833 cum)	tonne	0.40	5000.00	2000.00
2209	Carriage of Cement	tonne	0.40	145.72	58.29
	LABOUR				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	2.12	30.32
	TOTAL				6251.54 W
	Add 1 % Water charges on "W"				62.52
	TOTAL				6314.06 X
	Add GST on "X" (multiplying factor 0.1405)				887.13
	TOTAL				7201.19 Y
	Add 15% CPOH on "Y"				1080.18
	TOTAL				8281.36 Z
	Add Cess @ 1% on "Z"				82.81
	Cost of 1 cum.				8364.18
	Say				8364.20

5.1.2A 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size of Recycled Concrete Aggregate (RCA) upto 20%.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL:				
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.456	1400.00	638.40
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.224	1350.00	302.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III) derived from natural sources	cum	0.34	1500.00	510.00
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.085	741.00	62.99
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	163.93	69.67
0367	Portland Cement (0.2833cum)	tonne	0.40	5000.00	2000.00
2209	Carriage of cement	tonne	0.40	145.72	58.29
	LABOUR:				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.07	800.00	56.00
0012	Vibrator (Needle type 40 mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	2.12	30.32
	Total				6114.52 W
	Add 1 % Water charges on "W"				61.15
	TOTAL				6175.66 X
	Add GST on "X" (multiplying factor 0.1405)				867.68
	TOTAL				7043.35 Y
	Add 15% CPOH on "Y"				1056.50
	TOTAL				8099.85 Z
	Add Cess @ 1% on "Z"				81.00
	Cost of 1 cum				8180.85
	Say				8180.85

5.1.3 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.67	1400.00	938.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1350.00	297.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III)	cum	0.445	1500.00	667.50
2203	Carriage of Coarse sand	cum	0.445	163.93	72.95
0367	Portland Cement (0.2225 cum)	tonne	0.32	5000.00	1600.00
2209	Carriage of Cement	tonne	0.32	145.72	46.63
	LABOUR				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.90	714.00	642.60
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	2.12	30.32
	TOTAL				5938.72 W
	Add 1 % Water charges on "W"				59.39
	TOTAL				5998.11 X
	Add GST on "X" (multiplying factor 0.1405)				842.73 Y
	TOTAL				6840.84 Y
	Add 15% CPOH on "Y"				1026.13 Z
	TOTAL				7866.97 Z
	Add Cess @ 1% on "Z"				78.67
	Cost of 1 cum.				7945.64
	Say				7945.65

5.1.3A 1:2:4 (1 cement : 2 coarse sand including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 4 graded stone aggregate 20 mm nominal size of Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 cum MATERIAL: Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.536	1400.00	750.40
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.134	957.00	128.24
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.176	1350.00	237.60
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.044	957.00	42.11
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.89	163.93	145.90
0982	Coarse sand (zone III) derived from natural sources	cum	0.356	1500.00	534.00
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.089	741.00	65.95
2203	Carriage of Coarse sand including manufactured sand	cum	0.445	163.93	72.95
0367	Portland Cement (0.2833cum)	tonne	0.32	5000.00	1600.00
2209	Carriage of cement	tonne	0.32	145.72	46.63
LABOUR:					
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.07	800.00	56.00
0012	Vibrator (Needle type 40 mm)	day	0.07	350.00	24.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries				30.32
	Total				5794.52 W
	Add 1 % Water charges on "W"				57.95
	TOTAL				5852.46 X
	Add GST on "X" (multiplying factor 0.1405)				822.27
	TOTAL				6674.73 Y
	Add 15% CPOH on "Y"				1001.21
	TOTAL				7675.94 Z
	Add Cess @ 1% on "Z"				76.76
	Cost of 1 cum				7752.70
	Say				7752.70

5.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :

5.2.2 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 9.18 cum. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	5.2326	1400.00	7325.64
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	2.5704	1350.00	3470.04
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	7.803	163.93	1279.15
0982	Coarse sand (zone III)	cum	3.9015	1500.00	5852.25
2203	Carriage of Coarse sand	cum	3.9015	163.93	639.57
0367	Portland Cement (0.2833 cum)	tonne	3.672	5000.00	18360.00
2209	Carriage of Cement LABOUR	tonne	3.672	145.72	535.08
0114	Beldar	day	11.29	645.00	7282.05
0115	Coolie	day	7.53	645.00	4856.85
0101	Bhisti	day	8.26	714.00	5897.64
0123	Mason (brick layer) 1st class	day	0.92	784.00	721.28
0124	Mason (brick layer) 2nd class	day	0.92	714.00	656.88
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.64	800.00	512.00
0012	Vibrator(Needle type 40mm)	day	0.64	350.00	224.00
9999	Sundries	L.S.	131.82	2.12	279.46
9999	Scaffolding Extra labour for lifting of material upto floor V level: 0.75x9.18x2.5 = 17.21	L.S.	420.03	2.12	890.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 9.18 cum. Cost for 1 cum. Say	day	17.21	645.00	11100.45 69882.80 W 698.83 70581.63 X 9916.72 80498.35 Y 12074.75 92573.10 Z 925.73 93498.84 10185.06 10185.05

5.2.2A 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 9.18 cum MATERIAL: Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	4.186	1400.00	5860.40
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	1.0466	957.00	1001.60
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	2.0563	1350.00	2776.01
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.5141	957.00	491.99
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	7.803	163.93	1279.15
0982	Coarse sand (zone III) derived from natural sources	cum	3.1212	1500.00	4681.80
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.7803	741.00	578.20
2203	Carriage of Coarse sand including manufactured sand	cum	3.9015	163.93	639.57
0367	Portland Cement (0.2833cum)	tonne	3.672	5000.00	18360.00
2209	Carriage of cement LABOUR:	tonne	3.672	145.72	535.08
0114	Beldar	day	11.29	645.00	7282.05
0115	Coolie	day	7.53	645.00	4856.85
0101	Bhisti	day	8.26	714.00	5897.64
0123	Mason (brick layer) 1 st class	day	0.92	784.00	721.28
0124	Mason (brick layer) 2 nd class	day	0.92	714.00	656.88
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.64	800.00	512.00
0012	Vibrator (Needle type 40 mm)	day	0.64	350.00	224.00
9999	Sundries	L.S.	131.82	2.12	279.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding Extra labour for lifting of material upto floor V level: $0.75 \times 9.18 \times 2.5$	L.S.	420.03	2.12	890.46
0115	Coolie Total Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 9.18 cum Cost of 1 cum Say	day	17.21	645.00	11100.45 68624.87 W 686.25 69311.12 X 9738.21 79049.33 Y 11857.40 90906.73 Z 909.07 91815.80 10001.72 10001.70

5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 cum. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Portland Cement (0.2833 cum)	tonne	0.40	5000.00	2000.00
2209	Carriage of Cement LABOUR	tonne	0.40	145.72	58.29
0155	Mason (average)	day	0.24	749.00	179.76
0114	Beldar	day	2.75	645.00	1773.75
0101	Bhisti	day	0.90	714.00	642.60
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.08	800.00	64.00
0012	Vibrator(Needle type 40mm)	day	0.08	350.00	28.00
9999	Sundries Extra labour for lifting material upto floor V level: Coolie ($2.5 \times 0.75 = 1.88$)	L.S.	14.30	2.12	30.32

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 cum. Say	day	1.88	645.00	1212.60 8011.82 W 80.12 8091.94 X 1136.92 9228.86 Y 1384.33 10613.19 Z 106.13 10719.32 10719.30

5.3A Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases above plinth level up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20%: 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 cum MATERIAL: Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.456	1400.00	638.40
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.224	1350.00	302.40
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III) derived from natural sources	cum	0.34	1500.00	510.00
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.085	741.00	62.99
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	163.93	69.67
0367	Portland Cement (0.2833cum)	tonne	0.40	5000.00	2000.00
2209	Carriage of cement	tonne	0.40	145.72	58.29
LABOUR:					
0155	Mason (average)	day	0.24	749.00	179.76
0114	Beldar	day	2.75	645.00	1773.75
0101	Bhisti	day	0.90	714.00	642.60
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.08	800.00	64.00
0012	Vibrator (Needle type 40 mm)	day	0.08	350.00	28.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries Extra labour for lifting material upto floor V level:Coolie (2.5x0.75)	L.S.	14.30	2.12	30.32
0115	Coolie Total Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum Say	day	1.88	645.00	1212.60 7874.80 W 78.75 7953.55 X 1117.47 9071.02 Y 1360.65 10431.67 Z 104.32 10535.99 10536.00

5.4 Providing and laying up to floor five level reinforced cement concrete in kerbs, steps and the like excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.4.1	Details of cost for 1 cum. MATERIAL Cement concrete 1:1.5:3 (Rate as per item no 4.4.1 of SH:Concrete work) LABOUR Extra labour for laying CC in RCC work :	cum	1.00	7783.65	7783.65 A
0114	Beldar	day	0.10	645.00	64.50
0101	Bhisti	day	0.20	714.00	142.80
0123	Mason (brick layer) 1st class	day	0.04	784.00	31.36
0124	Mason (brick layer) 2nd class	day	0.04	714.00	28.56
0128	Mate (Extra labour for lifting material upto floor V level : Coolie = 0.75 x 2.5 = 1.88)	day	0.04	714.00	28.56
0115	Coolie TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 1 cum. Say	day	1.88	645.00	1212.60 9292.03 W 15.08 9307.11 X 214.05 9521.16 Y 260.63 9781.79 Z 19.98 9801.77 9801.75

- 5.4A** Providing and laying up to floor five level reinforced cement concrete in kerbs, steps and the like excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR-1	Details of cost for 1 cum MATERIAL: Cement concrete 1:1.5:3 Rate as per Sub AR-1 (Ref item no 4.1.2) LABOUR: Extra labour for laying CC in RCC work	cum	1.000	7600.35	7600.35 A
0114	Beldar	day	0.10	645.00	64.50
0101	Bhisti	day	0.20	714.00	142.80
0123	Mason (brick layer) 1 st class	day	0.04	784.00	31.36
0124	Mason (brick layer) 2nd class	day	0.04	714.00	28.56
0128	Mate	day	0.04	714.00	28.56
0115	Extra labour for lifting material upto floor V level:Coolie (1.5x0.75)	day	1.88	645.00	1212.60
	Coolie				9108.73 W
	Total				15.08
	Add 1 % Water charges on "W-A"				9123.81 X
	TOTAL				
	Add GST on "X-A" (multiplying factor 0.1405)				214.05
	TOTAL				9337.86 Y
	Add 15% CPOH on "Y-A"				260.63
	TOTAL				9598.49 Z
	Add Cess @ 1% on "Z-A"				19.98
	Cost of 1 cum				9618.47
	Say				9618.45

Sub AR-1 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 cum MATERIAL: Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.456	1400.00	638.40
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.224	1350.00	302.40
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.850	163.93	139.34
0982	Coarse sand (zone III) derived from natural sources	cum	0.340	1500.00	510.00
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.085	741.00	62.99
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	163.93	69.67
0367	Portland Cement (0.2833cum)	tonne	0.400	5000.00	2000.00
2209	Carriage of cement	tonne	0.400	145.72	58.29
	LABOUR:				
0155	Mason (average)	day	0.100	749.00	74.90
0114	Beldar	day	1.630	645.00	1051.35
0101	Bhisti	day	0.700	714.00	499.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.070	800.00	56.00
0012	Vibrator (Needle type 40 mm)	day	0.070	350.00	24.50
9999	Sundries	L.S.	14.300	2.12	30.32
	Total				5680.64 W
	Add 1 % Water charges on "W"				56.81
	TOTAL				5737.45 X
	Add GST on "X" (multiplying factor 0.1405)				806.11
	TOTAL				6543.56 Y
	Add 15% CPOH on "Y"				981.53
	TOTAL				7525.09 Z
	Add Cess @ 1% on "Z"				75.25
	Cost of 1 cum				7600.34
	Say				7600.35

5.5 Reinforced cement concrete work in arches, archribs, domes, vaults, shells, folded plate and roofs having slope more than 15° up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 26.73cum for semicircular arch 6m clear span and 9m long and 30cm thick. Cement concrete 1:1.5:3 = $1 \times 0.50 \times 3.14 \times 6.30 \times 9.00 \times 0.30 = 26.73\text{cum}$ MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	15.236	1400.00	21330.40
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	7.484	1350.00	10103.40
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	22.703	163.93	3721.70
0982	Coarse sand (zone III)	cum	11.36	1500.00	17040.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2203	Carriage of Coarse sand	cum	11.36	163.93	1862.24
0367	Portland Cement (0.2833 cum)	tonne	10.692	5000.00	53460.00
2209	Carriage of Cement	tonne	10.692	145.72	1558.04
	LABOUR				
0155	Mason (average)	day	6.42	749.00	4808.58
0114	Beldar	day	73.51	645.00	47413.95
0101	Bhisti	day	24.06	714.00	17178.84
0002	Hire charges of Concrete Mixer				
	0.25 to 0.40 cum with hooper	day	2.14	800.00	1712.00
0012	Vibrator(Needle type 40mm)	day	2.14	350.00	749.00
9999	Sundries	L.S.	401.89	2.12	852.01
	Extra for laying CC over curved surfaces				
0123	Mason (brick layer) 1st class	day	5.00	784.00	3920.00
0124	Mason (brick layer) 2nd class	day	5.00	714.00	3570.00
0101	Bhisti	day	1.50	714.00	1071.00
0115	Coolie (Extra labour for lifting material upto floor V level : Coolie = $0.75 \times 2.5 \times 26.73 = 50.12$)	day	4.50	645.00	2902.50
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 26.73 cum. Cost for 1 cum. Say	day	50.12	645.00	32327.40 225581.06 W 2255.81 227836.87 X 32011.08 259847.95 Y 38977.19 298825.15 Z 2988.25 301813.40 11291.19 11291.20

5.5A Reinforced cement concrete work in arches, archribs, domes, vaults, shells, folded plate and roofs having slope more than 15° up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 26.73cum for semicircular arch 6m clear span and 9m long and 30cm thick. Cement concrete 1:1½:3 = 1x0.50x3.14x 6.30x 9.00x0.30 = 26.73cum MATERIAL: Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	12.189	1400.00	17064.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	3.047	957.00	2915.98
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	5.987	1350.00	8082.45
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	1.497	957.00	1432.63
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	22.703	163.93	3721.70
0982	Coarse sand (zone III) derived from natural sources	cum	9.088	1500.00	13632.00
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	2.272	741.00	1683.55
2203	Carriage of Coarse sand including manufactured sand	cum	11.36	163.93	1862.24
0367	Portland Cement (0.2833 cum)	tonne	10.692	5000.00	53460.00
2209	Carriage of cement	tonne	10.692	145.72	1558.04
	LABOUR:				
0155	Mason (average)	day	6.42	749.00	4808.58
0114	Beldar	day	73.51	645.00	47413.95
0101	Bhisti	day	24.06	714.00	17178.84
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	2.14	800.00	1712.00
0012	Vibrator (Needle type 40 mm)	day	2.14	350.00	749.00
9999	Sundries	L.S.	401.89	2.12	852.01
	Extra for laying CC over curved surfaces				
0123	Mason (brick layer) 1 st class	day	5.00	784.00	3920.00
0124	Mason (brick layer) 2nd class	day	5.00	714.00	3570.00
0101	Bhisti	day	1.50	714.00	1071.00
0115	Coolie	day	4.50	645.00	2902.50
	Extra labour for lifting material upto floor V level: Coolie (1.50x0.75x26.73)				
0115	Coolie	day	50.12	645.00	32327.40
	Total				221918.47 W
	Add 1 % Water charges on "W"				2219.18
	TOTAL				224137.66 X
	Add GST on "X" (multiplying factor 0.1405)				31491.34
	TOTAL				255629.00 Y
	Add 15% CPOH on "Y"				38344.35
	TOTAL				293973.35 Z
	Add Cess @ 1% on "Z"				2939.73
	Cost of 26.73 cum				296913.08
	Cost of 1 cum				11107.86
	Say				11107.85

5.6 Reinforced cement concrete work in chimneys, shafts, up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.2.2	Details of cost for 1 cum. MATERIAL RCC 1:1½:3 in chimneys & shafts Rate as per Item No.5.2.2 of SH: REINFORCED CEMENT CONCRETE LABOUR	cum	1.00	10185.05	10185.05 A
0115	Extra labour involved for lifting materials Coolie TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 1 cum. Say	day	0.26	645.00 167.70 10352.75 W 1.68 10354.43 X 23.80 10378.22 Y 28.98 10407.20 Z 2.22 10409.42 10409.40	

5.6A Reinforced cement concrete work in chimneys, shafts, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size (Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.2.2A	Details of cost for 1 cum MATERIAL: RCC 1:1.5:3 in chimneys & shafts Rate as per Item Number 5.2.2A of SH: Reinforced cement concrete work	cum	1.00	10001.70	10001.70 A
0115	Extra labour involved for lifting materials Coolie Total Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 1 cum Say	day	0.26	645.00 167.70 10169.40 W 1.68 10171.08 X 23.80 10194.87 Y 28.98 10223.85 Z 2.22 10226.07 10226.05	

5.7 Reinforced cement concrete work in well-steining, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2 0115	Details of cost for 1 cum. MATERIAL RCC 1:1½:3 in well steining Rate as per Item No.4.1.2 of SH: CONCRETE WORK LABOUR Extra labour involved : Coolie TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 1 cum. Say	cum day	1.00 0.08	7783.65 645.00 51.60 7835.25 0.52 7835.77 7.32 7843.09 8.92 7852.00 0.68 7852.69 7852.70	A W X Y Z

5.7A Reinforced cement concrete work in well-steining excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR 1 0115	Details of cost for 1 cum MATERIAL: RCC 1:1.5:3 in well steining Rate as per Sub AR-1 (Ref item 4.1.2) Extra labour involved Coolie Total Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 1 cum Say	cum day	1.00 0.08	7600.35 645.00 51.60 7651.95 0.52 7652.47 7.32 7659.79 8.92 7668.70 0.68 7669.39 7669.40	A W X Y Z

- 5.8 Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20mm nominal size derived from natural sources).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4 RCC Vertical fins 4m high and 1m center with 2 horizontal fins, all projecting 60cm from face of wall and 5cm thick = 0.66 cum. Cement Concrete 1:1.5.3 $4 \times 4 \times 0.60 \times 0.05 = 0.48$ cum. $2 \times 3 \times 0.06 \times 0.05 = 0.18$ cum. Total = 0.66 cum.				
	MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.3762	1400.00	526.68
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.1848	1350.00	249.48
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.561	163.93	91.96
0982	Coarse sand (zone III)	cum	0.2805	1500.00	420.75
2203	Carriage of Coarse sand	cum	0.2805	163.93	45.98
0367	Portland Cement (0.2833 cum)	tonne	0.264	5000.00	1320.00
2209	Carriage of Cement	tonne	0.264	145.72	38.47
	LABOUR				
0114	Beldar	day	0.79	645.00	509.55
0115	Coolie	day	0.56	645.00	361.20
0101	Bhisti	day	0.60	714.00	428.40
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
9999	Scafolding	L.S.	30.16	2.12	63.94
9999	Sundries	L.S.	9.49	2.12	20.12
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.05	800.00	40.00
0012	Vibrator(Needle type 40mm)	day	0.05	350.00	17.50
0115	Coolie	day	0.18	645.00	116.10
	Extra for restricted working in fins				
0123	Mason (brick layer) 1st class	day	0.05	784.00	39.20
0124	Mason (brick layer) 2nd class	day	0.05	714.00	35.70
0114	Beldar	day	0.10	645.00	64.50
0101	Bhisti	day	0.15	714.00	107.10
	TOTAL				4586.52 W
	Add 1 % Water charges on "W"				45.87
	TOTAL				4632.38 X
	Add GST on "X" (multiplying factor 0.1405)				650.85
	TOTAL				5283.23 Y
	Add 15% CPOH on "Y"				792.48
	TOTAL				6075.71 Z
	Add Cess @ 1% on "Z"				60.76
	Cost for 0.66 cum.				6136.47
	Cost for 1 cum.				9297.68
	Say				9297.70

5.8A Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards above plinth level up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 0.66cum Details of cost for 4 RCC Vertical fins 4m high and 1m center with 2 horizontal fins, all projecting 60cm from face of wall and 5cm thick = 0.66 cum. Cement Concrete $1:1.5.34 \times 4 \times 0.60 \times 0.05 = 0.48 \text{ cum}$ $2 \times 3 \times 0.06 \times 0.05 = 0.18 \text{ cum}$ Total = 0.66 cum. MATERIAL: 0295 Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources				
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.0752	957.00	71.97
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.1478	1350.00	199.53
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.037	957.00	35.41
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.561	163.93	91.96
0982	Coarse sand (zone III) derived from natural sources	cum	0.2244	1500.00	336.60
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.0561	741.00	41.57
2203	Carriage of Coarse sand including manufactured sand	cum	0.2805	163.93	45.98
0367	Portland Cement (0.2833cum)	tonne	0.264	5000.00	1320.00
2209	Carriage of cement	tonne	0.264	145.72	38.47
	LABOUR:				
0114	Beldar	day	0.79	645.00	509.55
0115	Coolie	day	0.56	645.00	361.20
0101	Bhisti	day	0.60	714.00	428.40
0123	Mason (brick layer) 1 st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2 nd class	day	0.06	714.00	42.84
9999	Scaffolding	L.S.	30.16	2.12	63.94
9999	Sundries	L.S.	9.49	2.12	20.12
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.05	800.00	40.00
0012	Vibrator (Needle type 40 mm) Extra for lifting materials upto floor five level	day	0.05	350.00	17.50
0115	Coolie	day	0.18	645.00	116.10
0123	Extra for restricted working in fins Mason (brick layer) 1 st class	day	0.05	784.00	39.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	Mason (brick layer) 2 nd class	day	0.05	714.00	35.70
0114	Beldar	day	0.10	645.00	64.50
0101	Bhisti	day	0.15	714.00	107.10
	Total				4496.08 W
	Add 1 % Water charges on "W"				44.96
	TOTAL				4541.04 X
	Add GST on "X" (multiplying factor 0.1405)				638.02
	TOTAL				5179.06 Y
	Add 15% CPOH on "Y"				776.86
	TOTAL				5955.92 Z
	Add Cess @ 1% on "Z"				59.56
	Cost of 0.66 cum				6015.48
	Cost of 1 cum				9114.36
	Say				9114.35

5.9 Centering and shuttering including strutting, propping etc. and removal of form for

5.9.1 Foundations, footings, bases of columns, etc. for mass concrete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7319	Details of cost for footing size 2.7mx2.7mx1.00m Contact area = 10.8 sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost Wall form panel 1250x500 mm Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	860.00	292.40
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	240.00	20.40
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	76.00	25.84
7329	Single clip Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	59.00	10.03
7330	M.S. tube 40 mm dia Qty taken for cost of using once = $10.8 \times 0.85 / 40 = 0.2295$	metre	0.2295	215.00	49.34
9999	Assembly nuts & bolts Qty taken for cost using once = $1040 \times 0.85 / 40 = 22.10$	L.S.	22.10	2.12	46.85

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage	L.S.	78.00	2.12	165.36
LABOUR					
0116	Fitter (grade 1)	day	0.75	784.00	588.00
0114	Beldar	day	1.50	645.00	967.50
9999	Shuttering oil	L.S.	52.00	2.12	110.24
9999	Sundries	L.S.	26.00	2.12	55.12
	TOTAL				2485.78 W
	Add 1 % Water charges on "W"				24.86
	TOTAL				2510.64 X
	Add GST on "X" (multiplying factor 0.1405)				352.75
	TOTAL				2863.39 Y
	Add 15% CPOH on "Y"				429.51
	TOTAL				3292.90 Z
	Add Cess @ 1% on "Z"				32.93
	Cost for 10.8 sqm.				3325.82
	Cost per sqm.				307.95
	Say				307.95

5.9.2 Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7319	Details for 7.9m long and 1.00m high wall Area of contact $2 \times 7.9 \times 1.0 = 15.8$ sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost Wall form panel 1250x500 mm $2 \times 3 \times 2 \times 2 = 24$ Nos. Qty taken for cost of using once $= 24 \times 0.85 / 40 = 0.51$	each	0.51	860.00	438.60
7327	100 mm channel shoulder 2.5 m long $4 \times 2 = 8$ Qty taken for cost of using once $= 8 \times 0.85 / 40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) $2 \times 6 \times 2 = 24$ Qty taken for cost of using once $= 24 \times 0.85 / 40 = 0.51$	each	0.51	76.00	38.76
7329	Single clip $2 \times 3 \times 2 = 12$ Qty taken for cost of using once $= 12 \times 0.85 / 40 = 0.255$	each	0.255	59.00	15.05
7330	M.S. tube 40 mm dia $2 \times 2 \times 8 \text{m} = 32\text{m}$ Qty taken for cost of using once $= 32 \times 0.85 / 40 = 0.68$	metre	0.68	215.00	146.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Nut & Bolts Qty taken for cost using once $=1300 \times 0.85/40 = 27.62$	L.S.	27.62	2.12	58.55
9977	Carriage	L.S.	78.00	2.12	165.36
0116	LABOUR	day	3.50	784.00	2744.00
0114	Fitter (grade 1)	day	6.00	645.00	3870.00
9999	Beldar	L.S.	78.00	2.12	165.36
9999	Shuttering oil	L.S.	52.00	2.12	110.24
	Sundries				7906.82 W
	TOTAL				79.07
	Add 1 % Water charges on "W"				7985.89 X
	TOTAL				1122.02
	Add GST on "X" (multiplying factor 0.1405)				9107.90 Y
	TOTAL				1366.19
	Add 15% CPOH on "Y"				10474.09 Z
	TOTAL				104.74
	Add Cess @ 1% on "Z"				10578.83
	Cost for 15.8 sqm.				669.55
	Cost per sqm.				669.55
	Say				

5.9.3 Suspended floors, roofs, landings, balconies and access platform

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	Detail of cost for a room $4.50 \times 3 = 13.50$ sqm, height 3.5 m MATERIAL Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost 1. Plates (size 0.75 x 0.60) Angle 40x40x5mm $2 \times 0.75 = 1.50$ m $2 \times 0.60 = 1.20$ m $= 2.70$ m @ 3.00 kg/m = 8.1 kg sheet 1.6 mm thick $0.75 \times 0.60 = 0.45$ sqm 0.45 sqm @ 12.55kg/sqm = 5.65kg Weight of one plate = 13.75kg Add for wastage @ 5% = 0.69 kg Total = 14.44kg Total weight of all plates = $5 \times 6 \times 14.44 = 433.2$ kg. Qty taken for cost using once $= 433.2 \times 0.85/40 = 9.2055$ kg Rate as per item no.10.1 S.H. steel work Adjustable span ESO+SI (2.35-3.40) Qty taken for cost using once $= 5 \times 0.85/40 = 0.1063$	kg each	9.2055 0.1063	93.05 1480.00	856.57 A 157.32
7342					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once = $6 \times 0.85/40 = 0.1275$	each	0.1275	955.00	121.76
9999	4. Assembly nut & bolts etc. Qty taken for cost using once = $1040 \times 0.85/40 = 22.10$	L.S.	22.10	2.12	46.85
9977	Carriage	L.S.	130.00	2.12	275.60
0116	LABOUR				
0114	Fitter (grade 1)	day	3.00	784.00	2352.00
9999	Beldar	day	6.00	645.00	3870.00
9999	Shuttering oil	L.S.	78.00	2.12	165.36
9999	Sundries, paper tap etc.	L.S.	49.70	2.12	105.36
	TOTAL				7950.83 W
	Add 1 % Water charges on "W-A"				70.94
	TOTAL				8021.78 X
	Add GST on "X-A" (multiplying factor 0.1405)				1006.71
	TOTAL				9028.49 Y
	Add 15% CPOH on "Y-A"				1225.79
	TOTAL				10254.28 Z
	Add Cess @ 1% on "Z-A"				93.98
	Cost for 13.50 sqm.				10348.25
	Cost per sqm.				766.54
	Say				766.55

5.9.4 Shelves (Cast in situ)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	Detail of cost for a room 4.50x3 = 13.50 sqm, height 3.5 m MATERIAL Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost 1. Plates (size 0.75 x 0.60) Angle 40x40x5mm $2 \times 0.75 = 1.50$ m $2 \times 0.60 = 1.20$ m = $2.70 \text{ m} @ 3.00 \text{ kg/m} = 8.1 \text{ kg}$ sheet 1.6 mm thick $0.75 \times 0.60 = 0.45 \text{ sqm}$ $0.45 \text{ sqm} @ 12.55 \text{ kg/sqm} = 5.65 \text{ kg}$ Weight of one plate = 13.75kg Add for wastage @ 5% = 0.69 kg Total = 14.44kg Total weight of all plates = $5 \times 6 \times 14.44$ = 433.2 kg. Qty taken for cost using once = $433.2 \times 0.85/40 = 9.2055 \text{ kg}$ Rate as per item no.10.1 S.H. steel work	kg	9.2055	93.05	856.57 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7342	Adjustable span ESO+SI (2.35-3.40) Qty taken for cost using once = $5 \times 0.85 / 40 = 0.1063$	each	0.1063	1480.00	157.32
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once = $6 \times 0.85 / 40 = 0.1275$	each	0.1275	955.00	121.76
9999	4. Assembly nut & bolts etc. Qty taken for cost using once = $1040 \times 0.85 / 40 = 22.10$	L.S.	22.10	2.12	46.85
9977	Carriage LABOUR	L.S.	130.00	2.12	275.60
0116	Fitter (grade 1)	day	3.00	784.00	2352.00
0114	Beldar	day	6.00	645.00	3870.00
9999	Shuttering oil	L.S.	78.00	2.12	165.36
9999	Sundries, paper tap etc.	L.S.	49.70	2.12	105.36
	TOTAL				7950.83 W
	Add 1 % Water charges on "W-A"				70.94
	TOTAL				8021.78 X
	Add GST on "X-A" (multiplying factor 0.1405)				1006.71
	TOTAL				9028.49 Y
	Add 15% CPOH on "Y-A"				1225.79
	TOTAL				10254.28 Z
	Add Cess @ 1% on "Z-A"				93.98
	Cost for 13.50 sqm.				10348.25
	Cost per sqm.				766.54
	Say				766.55

5.9.5 Lintels, beams, plinth beams, girders, bressumers and cantilevers

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Consider a beam of 6 m clear span, 0.50 m deep 0.30 m wide and height 3.5 m from floor Cubical contents $6.60 \times 0.5 \times 0.3 = 0.99$ cum $1 \times 1.30 \times 6.00 = 7.80$ sqm MATERIAL Assuming shuttering will become unserviceable after use of 40 times Add maintenance charges @ 10% of cost of material Less salvage value of material after full use @ 25% of cost of material 1. Steel plates for side and bottom (plate size 1.20 x 0.50m) Angle 40x40x5mm $2 \times 1.20 = 2.40$ m $3 \times 0.50 = 1.50$ m $3.90 \text{ m} @ 3.00 \text{ kg/m} = 11.70 \text{ kg}$ sheet 1.6 mm thick				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1 7343	1.20m x 0.50 m = 0.60 sqm. 0.60 sqm @ 12.55 kg/sqm. = 7.53 kg. Weight of one plate = 19.23 kg. Add for wastage @ 5% = 0.96 kg. Total = 20.19 kg. Total weight of all plates $3 \times 5 \times 20.19 = 302.85$ kg or 3.03 q Qty taken for cost of using once $= 302.85 \times 0.85 / 40 = 6.4356$ kg. Rate as per item no.10.1 S.H. steel work	kg	6.4356	93.05	598.83 A
7344	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost of using once $= 6 \times 0.85 / 40 = 0.1275$ m Beam clamp 300-380 mm (450-1070 mm) Qty taken for cost of using once $= 5 \times 0.85 / 40 = 0.1063$ m	each	0.1275	955.00	121.76
9999	Beam clamp 300-380 mm (450-1070 mm) Qty taken for cost of using once $= 5 \times 0.85 / 40 = 0.1063$ m (iv) Assembly nut & bolts etc. Qty taken for cost of using once $= 1040 \times 0.85 / 40 = 22.10$	each set	0.1063	355.00	37.74
9977	Carriage LABOUR	L.S.	22.10	2.12	46.85
0116	Fitter (grade 1)	day	1.25	784.00	980.00
0114	Beldar	day	2.50	645.00	1612.50
9999	Shuttering oil	L.S.	39.00	2.12	82.68
9999	Sundries, paper tape etc.	L.S.	24.61	2.12	52.17
	TOTAL Add 1 % Water charges on "W-A"				3697.90 W
	TOTAL Add GST on "X-A" (multiplying factor 0.1405)				30.99
	TOTAL Add 15% CPOH on "Y-A"				3728.89 X
	TOTAL Add Cess @ 1% on "Z-A"				439.77
	Cost for 7.80 sqm.				4168.66 Y
	Cost per sqm.				535.47
	Say				4704.13 Z
					41.05
					4745.19
					608.36
					608.35

5.9.6 Columns, Pillars, Piers, Abutments, Posts and Struts

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 4.5 sqm Size of column 450x450mm and 2.5m high Area of contact = $4 \times 0.45 \times 2.5$ = 4.5 sqm. MATERIAL Assuming shuttering will become unserviceable after use of 40 times				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7331	Add maintenance charges @ 10% of cost of material Less salvage value of material after full use @ 25% of cost of material Wall form panel 1250x450 mm Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	860.00	146.20
7332	Corner angle 45x45x5 m 2.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	255.00	21.68
7333	Column clamp 450x1070 m Qty taken for cost of using once = $5 \times 0.85 / 40 = 0.1063$	each	0.1063	965.00	102.58
7334	Prop 2 m (2-3.5m) Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	635.00	53.98
9999	Assembly nut & bolt Qty taken for cost of using once = $1300 \times 0.85 / 40 = 27.62$	L.S.	27.62	2.12	58.55
9977	Carriage LABOUR	L.S.	52.00	2.12	110.24
0116	Fitter (grade 1)	day	1.00	784.00	784.00
0114	Beldar	day	2.00	645.00	1290.00
9999	Shuttering oil	L.S.	39.00	2.12	82.68
9977	Carriage TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 4.5 sqm. Cost per sqm. Say	L.S.	26.00	2.12	55.12 2705.02 W 27.05 2732.07 X 383.86 3115.93 Y 467.39 3583.32 Z 35.83 3619.15 804.26 804.25

5.9.7 Stairs, (excluding landings) except spiral-staircases

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5.79 sqm. Details of staircase, 3.40m clear span including 1m landing. MATERIAL (i) Cost of plank 38mm (2nd class kail wood) Waist $2.69 \times 1.30 = 3.50$ sqm. Side shuttering of steps and side of waist-Steps $8 \times 1.30 \times 0.15 = 1.56$ sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Face of landing 1x1.30x0.15 = 0.20 sqm. Side of waist 2.69x0.13 = 0.35 sqm. Side of steps- 8x0.50x0.30x0.15 = 0.18sqm. Total = 5.79 sqm. Wastage 5% = 0.29sqm. Total = 6.08 sq. Cubical content- 6.08x0.038 = 0.231 cum = 231 dm ³ Qty taken for cost using once = 231/8= 28.875 cudm				
1198	Second class kail wood in planks (ii) Batten 100mm x 75mm 4x1.30x0.100x0.075=0.039 cum = 39 dm ³ Qty taken for cost using once = 39/8 = 4.875 cudm	10 cudm	2.8875	260.00	750.75
1197	Second class kail wood in scantling 2x4x0.80 = 6.40m Qty taken for cost using once = 6.4/8 = 0.8 m	10 cudm	0.4875	260.00	126.75
0302	Safeda ballies 125 mm diameter Planks = 0.231 cum. Battens = 0.039 cum. Ballies 6.4x3.142/4x(0.125) ² = 0.079cum. Total = 0.349 cum. Qty taken for cost using once = 0.349/8 = 0.04363 cum	metre	0.80	40.00	32.00
2204	Carriage of Timber LABOUR For assembling, erection, dismantling and cleaning	cum	0.04363	187.35	8.17
0112	Carpenter 2nd class	day	1.75	714.00	1249.50
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries	L.S.	16.12	2.12	34.17
	TOTAL				2846.35 W
	Add 1 % Water charges on "W"				28.46
	TOTAL				2874.81 X
	Add GST on "X" (multiplying factor 0.1405)				403.91
	TOTAL				3278.72 Y
	Add 15% CPOH on "Y"				491.81
	TOTAL				3770.53 Z
	Add Cess @ 1% on "Z"				37.71
	Cost of 5.79 sqm.				3808.24
	Cost per sqm.				657.73
	Say				657.75

5.9.8 Spiral staircases (including landing)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.9.5	Detail of cost for 6.28 sqm (For 10 steps) Treads $10 \times 0.70 \times 0.20 (\text{av.}) = 1.40 \text{ sqm}$ Rate as per Item Number 5.9.5 of SH: RCC Riser $2 \times 10 \times 0.70 \times 0.23 = 3.22 \text{ sqm}$ Rate as per item no 5.9.2 of SH : RCC Newal Post (Column) $10 \times 0.23 \times 3.14 \times 0.23 = 1.66 \text{ sqm}$ Rate as per item no 5.9.7 of SH: RCC Cost of 6.28 sqm Cost of 1 sqm Say	sqm	1.40	608.35	851.69 A
5.9.2		sqm	3.22	669.55	2155.95 A
5.9.7		sqm	1.66	657.75	1091.87 A 4099.51 652.79 652.80

5.9.9 Arches, domes, vaults up to 6 m span

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Details of cost for a semicircular arch 3.6m clear span and 3.6m long. Area of centering = $22/7 \times 1.8 \times 3.6 = 20.37 \text{ sqm}$. MATERIAL Frame work in 2nd class kail wood Tie- $1 \times 3.6 \times 0.15 \times 0.20 = 0.108 \text{ cum}$. Struts- $3 \times 1.8 \times 0.10 \times 0.10 = 0.054 \text{ cum}$. Struts- $2 \times 2.55 \times 0.10 \times 0.10 = 0.051 \text{ cum}$. Ribs- $4 \times 1.38 \times 0.075 \times 0.075 = 0.031 \text{ cum}$. Total = 0.244 cum. Quantity for 7 such frames $7 \times 0.244 = 1.708 \text{ cum}$. Strips 5cmx2.5cm = 7.5cm center to center $5.66 / 0.075 \times 0.05 \times 0.025 \times 3.6 = 0.342 \text{ cum}$. Total= 2.050 cum = 2050 cudm Qty taken for cost using once = $2050 / 8 = 256.25 \text{ cu dm}$ Second class kail wood in scantling Safeda ballies 125 mm dia $7 \times 4 \times 3.6 = 100.8 \text{ m}$	10 cu dm	25.625	260.00	6662.50
0302	Safeda ballies 125 mm diameter G.I. Plain sheet 20.37 sqm m 116kg. Or 1.16 quintal Qty taken for cost using once = $1.16 / 8 = 0.145 \text{ qtl}$	metre	12.60	40.00	504.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0992	Galvanised steel plain sheets Carriage- Kail wood = 2.05cum. Ballies - $100.8 \times (0.125)^2 / 4 \times 3.142 = 1.24\text{cum.}$ Total = 3.29 cum. Qty taken for cost using once = $3.29/8 = 0.4112 \text{ cum}$	quintal	0.145	5000.00	725.00
2204	Carriage of Timber G.I. Sheet = 0.116 t Qty taken for cost using once = $0.116/8 = 0.0145 \text{ t}$	cum	0.4112	187.35	77.04
2302	Carriage of G.I.sheet and accessories	tonne	0.0145	145.72	2.11
0112	Carpenter 2nd class	day	16.00	714.00	11424.00
0114	Beldar	day	13.00	645.00	8385.00
9999	Sundries	L.S.	11.70	2.12	24.80
	TOTAL				27804.46 W
	Add 1 % Water charges on "W"				278.04
	TOTAL				28082.50 X
	Add GST on "X" (multiplying factor 0.1405)				3945.59
	TOTAL				32028.09 Y
	Add 15% CPOH on "Y"				4804.21
	TOTAL				36832.30 Z
	Add Cess @ 1% on "Z"				368.32
	Cost of 20.37sqm.				37200.63
	Cost per sqm.				1826.25
	Say				1826.25

5.9.10 Extra for arches, domes, vaults exceeding 6 m span

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 33.31 sqm Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m 2R-2 = 8 $\tan^{-1}(4/3)=53.28^\circ$ $2 \times 53.28^\circ = 106^\circ$ Surface area = $2 \times 22/7 \times 5 \times 3.6 \times 106/360 = 33.31 \text{sqm.}$ Arc=9.25m MATERIAL Tie- $2 \times 8 \times 0.18 \times 0.05 = 0.144 \text{cum}$ Struts- $2 \times 2.5 \times 0.1 \times 0.1 = 0.050 \text{cum.}$ Struts- $2 \times 1.77 \times 0.1 \times 0.1 = 0.035 \text{cum.}$ Ribs- $6 \times 1.54 \times 0.23 \times 0.1 = 0.213 \text{cum.}$ Struts- $2 \times 1.72 \times 0.1 \times 0.1 = 0.034 \text{cum.}$ Total=0.476cum. For four such frames = $0.476 \times 4 = 1.904 \text{ cum.}$ laggings- $75 \times 3.6 \times 0.125 \times 0.075 = 2.531 \text{cum.}$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197 2204	Tie-2x3.6x0.225x0.038=0.062cum. Brace-3x2x2.14x0.225x0.038=0.110 Brace-3x4x3.8x0.225x0.038=0.390 Sleepers-4x3.6x0.20x0.15=0.432 Sleepers-2x4x3.6x0.175x0.075=0.378 Vertical post-4x4x3.6x0.15x0.15=1.296 Total =7.103cum. or 7103 cudm Qty taken 1/8th of qty for cost using once =7.103/8 = cum = 887.9 Cudm Second class kail wood in scantling Carriage of Timber Fittings: 3 way straps 50mmx10mm = 32 Nos. 32 no. @0.50cm each = 16m Straps-50mmx10mm = 8 Nos. @ 0.25cm each = 2m Total = 18m 18m, wt @ 3.9kg/m = 70.2 kg. = 0.702q Qty taken 1/8th of qty for cost using once = 0.702/8 = 0.08775	10 cu dm cum	88.79 0.8879	260.00 187.35	23085.40 166.35
1225	Mild steel flat strap fitting Bolts 160 Nos. 254 mm long 16mm dia.- 160x.254x 1.58=64.21 kg=0.64q. Qty taken 1/8th of qty for cost using once = 0.64/8 = 0.08	quintal	0.0878	4120.00	361.74
1034 2302	Bolts and nuts upto 300 mm in length Carriage of G.I.sheet and accessories Qty taken 1/8th of qty for cost using once = 0.1342/8 = 0.01677 t say 0.0168 t LABOUR	quintal tonne	0.08 0.0168	5200.00 145.72	416.00 2.45
0112 0114 9999	Carpenter 2nd class Beldar Sundries Less Cost of shuttering etc. for an arch exceeding 6 m span i.e. for an average of 8 m span	day day L.S.	28.00 24.00 134.55	714.00 645.00 2.12	19992.00 15480.00 285.25
5.9.9	Rate as per item no 5.9.9 of SH : RCC TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 33.31sqm. Cost per sqm of soffit area Say	sqm	-33.31	1826.25	-60832.39 A -1043.21 W 597.89 -445.32 X 8484.38 8039.07 Y 10330.72 18369.78 Z 792.02 19161.81 575.26 575.25

5.9.11 Chimneys and shafts

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7319	Details for 7.9m long and 1.00m high wall Area of contact $2 \times 7.9 \times 1.0 = 15.8$ sqm. MATERIAL Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost Wall form panel 1250x500 mm $2 \times 3 \times 2 \times 2 = 24$ Nos. Qty taken for cost of using once = $24 \times 0.85/40 = 0.51$	each	0.51	860.00	438.60
7327	100 mm channel shoulder 2.5 m long $4 \times 2 = 8$ Qty taken for cost of using once = $8 \times 0.85/40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) $2 \times 6 \times 2 = 24$ Qty taken for cost of using once = $24 \times 0.85/40 = 0.51$	each	0.51	76.00	38.76
7329	Single clip $2 \times 3 \times 2 = 12$ Qty taken for cost of using once = $12 \times 0.85/40 = 0.255$	each	0.255	59.00	15.05
7330	M.S. tube 40 mm dia $2 \times 2 \times 8 \text{m} = 32\text{m}$ Qty taken for cost of using once = $32 \times 0.85/40 = 0.68$	metre	0.68	215.00	146.20
9999	Nut & Bolts Qty taken for cost of using once = $1300 \times 0.85/40 = 27.63$	L.S.	27.63	2.12	58.58
9977	Carriage LABOUR	L.S.	78.00	2.12	165.36
0116	Fitter (grade 1)	day	3.50	784.00	2744.00
0114	Beldar	day	6.00	645.00	3870.00
9999	Shuttering oil	L.S.	78.00	2.12	165.36
9999	Sundries	L.S.	52.00	2.12	110.24
	TOTAL				7906.84 W
	Add 1 % Water charges on "W"				79.07
	TOTAL				7985.91 X
	Add GST on "X" (multiplying factor 0.1405)				1122.02
	TOTAL				9107.93 Y
	Add 15% CPOH on "Y"				1366.19
	TOTAL				10474.12 Z
	Add Cess @ 1% on "Z"				104.74
	Cost for 15.8 sqm.				10578.86
	Cost per sqm.				669.55
	Say				669.55

5.9.12 Well steining

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost 26.39 sqm. Surface area Outside area = 26.39 sqm MATERIAL Assuming that the timber will become unserviceable after being used 8 times Planks 38 mm (Second class kail wood) $26.39 \times 0.038 = 1.00\text{cum}$. Wastage 20% = 0.20cum. Total = 1.20cum. or 1200 cudm. Qty for cost using once = $1200/8 = 150$ cudm Second class kail wood in planks 2nd class kail wood battens Inside = $2 \times 25 \times 0.50 \times 0.075 \times 0.038 = 0.0712\text{cum}$. Outside = $2 \times 28 \times 0.50 \times 0.075 \times 0.038 = 0.0798\text{cum}$. Total = 0.1510cum. Wastage 5% = 0.0076 cum. Total = 0.1586 cum = 158.60 cudm Qty for cost using once = $0.1586/8 = 0.0198$ cudm</p>	10 cudm	15.00	260.00	3900.00
1197 0302	<p>Second class kail wood in scantling Safeda ballies 125 mm diameter Inside: $25 \times 1.00 = 25.00\text{m}$ Outside: $28 \times 1.00 = 28.00\text{m}$ Total = 53.00m Qty for cost using once = $53/8 = 6.625$ m TOTAL Add for carriage, labour for erection and dismentalig etc @ 1/6 (16.667%) of cost of material TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 26.39sqm. Cost per sqm. Say</p>	10 cudm metre	0.00198 6.625	260.00 40.00	0.51 265.00 4165.51 694.27 4859.78 W 48.60 4908.38 X 689.63 5598.01 Y 839.70 6437.71 Z 64.38 6502.08 246.38 246.40

5.9.13 Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for 23.90 sqm Details of cost for fins 4 vertical fins 4 metre high and at 1 metre centres, with two horizontal fins all projecting 60cm from face of wall and 5 cm thick. i.e. $(4 \times 4 \times 1.25) + (2 \times 3 \times 0.65)$ $= 23.90 \text{sqm} + 5\%$ wastage = 25.10 sqm. MATERIAL Second class kail wood in planks 38mm thick- $4 \times 4 \times 1.25 = 20.00$ $2 \times 3 \times 0.65 = 3.90$ Total = 23.90 Wastage @ 5% = 1.20 Total = 25.10sqm. $25.10 \times 0.038 = .954 \text{ cum or } 954 \text{ cu dm}$ Qty for cost using once = $954/8$ $= 119.25 \text{ cu dm}$</p>	10 cu dm	11.925	260.00	3100.50
1197	<p>Second class kail wood in scantling $4 \times 2 \times 5 \times 0.60 \times 0.075 \times 0.050 = 0.090$ $3 \times 2 \times 5 \times 1.00 \times 0.075 \times 0.050 = 0.112$ $2 \times 6 \times 0.60 \times 0.075 \times 0.100 = 0.054$ $= 0.256 \text{ Cum.}$ Wastage @ 5% = 0.013 cum Total = 0.269 cum = 269 cu dm Qty for cost using once = $269/8$ $= 33.625 \text{ cu dm}$</p>	10 cu dm	3.3625	260.00	874.25
0302	<p>Safeda ballyes 125 mm diameter $2 \times 2 \times 6 \times 4.00 = 96 \text{ m}$ Wastage @5% = 4.8m Total= 100.8 m Qty for cost using once = $100.8/8$ $= 12.6 \text{ m}$</p>	metre	12.60	40.00	504.00
2204	<p>Carriage of Timber Planks = 0.954 Battens = 0.269 $Ballyes 100.8 \times (0.125)^2 / 4 \times 3.142$ $= 1.238 \text{cum.}$ Total = 2.461 cum Qty for cost using once = $2.461/8$ $= 0.3076 \text{ cum}$ LABOUR For assembling, erection, dismantling and cleaning</p>	cum	0.3076	187.35	57.63
0112	Carpenter 2nd class	day	11.00	714.00	7854.00
0114	Beldar	day	11.00	645.00	7095.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 23.90 sqm. Cost per sqm. Say	L.S.	80.73	2.12	171.15 19656.53 W 196.57 19853.09 X 2789.36 22642.45 Y 3396.37 26038.82 Z 260.39 26299.21 1100.39 1100.40

5.9.15 Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7319	Details of cost for footing size 2.7mx2.7mx1.00m Contact area = 10.8 sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost Wall form panel 1250x500 mm Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	860.00	292.40
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	240.00	20.40
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	76.00	25.84
7329	Single clip Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	59.00	10.03
7330	M.S. tube 40 mm dia $4 \times 2.7 \text{m} = 10.8 \text{m}$ Qty taken for cost of using once = $10.8 \times 0.85 / 40 = 0.2295$	metre	0.2295	215.00	49.34
9999	Assembly nuts & bolts Qty taken for cost of using once = $1040 \times 0.85 / 40 = 22.10$	L.S.	22.10	2.12	46.85
9977	Carriage	L.S.	78.00	2.12	165.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0116	LABOUR				
0114	Fitter (grade 1)	day	0.75	784.00	588.00
9999	Beldar	day	1.50	645.00	967.50
9999	Shuttering oil	L.S.	52.00	2.12	110.24
	Sundries	L.S.	26.00	2.12	55.12
	TOTAL				2485.78 W
	Add 1 % Water charges on "W"				24.86
	TOTAL				2510.64 X
	Add GST on "X" (multiplying factor 0.1405)				352.75
	TOTAL				2863.39 Y
	Add 15% CPOH on "Y"				429.51
	TOTAL				3292.90 Z
	Add Cess @ 1% on "Z"				32.93
	Cost for 10.8 sqm.				3325.82
	Cost per sqm.				307.95
	Say				307.95

5.9.16 Edges of slabs and breaks in floors and walls

5.9.16.1 Under 20 cm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a 3mx3m slab 15cms thick 12m edge Length MATERIAL Assuming that the timber will become unserviceable after being used 8 times. Second class kail wood in planks (i) Planks 30mm thick (2nd class Kail wood or equivalent local soft wood) $4 \times 3 \times 0.15 \times 0.030 = 0.054 \text{ cum}$ Wastage @5% = 0.003 cum. Total = 0.057 cum 57 cudm Qty taken for cost of using once = $57/8 = 7.125 \text{ cu dm}$	10 cu dm	0.7125	260.00	185.25
1197	Second class kail wood in scantling (ii) Battens 75mmx100mm (2nd class Kail wood) Horizontal $2 \times 4 \times 0.075 \times 0.1 \times 0.5 = 0.030$ Horizontal $2 \times 4 \times 0.075 \times 0.1 \times 1.5 = 0.090$ (iii) Vertical battens $16 \times 0.15 \times 0.075 \times 0.030 \text{ m} = 0.0054$ (iv) Struts $16 \times 0.25 \times 0.075 \times 0.075 = 0.0225$ Total = 0.1479 Wastage @5% = 0.0074 Total = $0.1553 \text{ cum} = 155 \text{ cu dm}$ Qty taken for cost of using once = $155/8 = 19.375 \text{ cu dm}$	10 cu dm	1.9375	260.00	503.75

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber Planks = 0.057 cum. Battens = 0.155 cum. Total = 0.212 cum. Qty taken for cost of using once = 0.212/8 = 0.0265 cum LABOUR For assembling erection dismantling & cleaning.	cum	0.0265	187.35	4.96
0112	Carpenter 2nd class	day	0.81	714.00	578.34
0114	Beldar	day	0.54	645.00	348.30
9999	Sundries	L.S.	5.20	2.12	11.02
	TOTAL				1631.63 W
	Add 1 % Water charges on "W"				16.32
	TOTAL				1647.95 X
	Add GST on "X" (multiplying factor 0.1405)				231.54
	TOTAL				1879.48 Y
	Add 15% CPOH on "Y"				281.92
	TOTAL				2161.40 Z
	Add Cess @ 1% on "Z"				21.61
	Cost of 12 metres				2183.02
	Cost of one meter				181.92
	Say				181.90

5.9.16.2 Above 20 cm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for 4mx4xslab 25cms thick 16 metre edge length Shuttering surface area = 16 x 0.25 = 4 sqm MATERIAL Second class kail wood in planks (i) Planks 38mm thick 4x4x0.25x0.038 = 0.152 Wastage @ 5% = 0.008 Total = 0.160 cum. = 160 cudm Qty taken for cost of using once = 160/8 = 20 cudm	10 cudm	2.00	260.00	520.00
1197	Second class kail wood in scantling (ii) Battens 6x2x0.6x0.075x0.100=0.054 5x2x1.5x0.075x0.100=0.113 Total = 0.167 Wastage @ 5% = 0.008 Total= 0.175 cum. = 175 cudm Qty taken for cost of using once = 175/8 = 21.88 cudm	10 cudm	2.188	260.00	568.88

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber Planks = 0.16 cum. Battens = 0.175 cum. Total = 0.335 cum. Qty taken for cost of using once = $0.335/8 = 0.0419$ cum LABOUR For assembling erection dismantling & cleaning.	cum	0.0419	187.35	7.85
0112	Carpenter 2nd class	day	1.00	714.00	714.00
0114	Beldar	day	0.75	645.00	483.75
9999	Sundries	L.S.	6.50	2.12	13.78
	TOTAL				2308.26 W
	Add 1 % Water charges on "W"				23.08
	TOTAL				2331.34 X
	Add GST on "X" (multiplying factor 0.1405)				327.55
	TOTAL				2658.90 Y
	Add 15% CPOH on "Y"				398.83
	TOTAL				3057.73 Z
	Add Cess @ 1% on "Z"				30.58
	Cost of 4 sqm.				3088.31
	Cost of 1 sqm.				772.08
	Say				772.10

5.9.17 Cornices and mouldings

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for 10m long moulding 10cm projection, 20cm depth and 40cm girth Area in contact $10 \times 0.4 = 4.0$ sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times. Second class kail wood in planks (i) Planking 30mm thick = 4sqm. Extra & Wastage 20% = 0.8 sqm. Total = 4.8 sqm. $4.8 \times 0.038 = 0.182$ cum = 182 cudm Qty taken for cost using once = $182/8 = 22.75$ cudm				
1197	Second class kail wood in scantling (ii) Battens-Joining to Planking $1 \times 10 \times 0.1 \times 0.075 = 0.075$ cum. From bottom shuttering $10 \times 1.5 \times 0.1 \times 0.075 = 0.113$ cum. Wales $10 \times 0.4 \times 0.1 \times 0.075 = 0.030$ cum. Total = 0.218 cum = 218 cudm Qty taken for cost using once = $218/8 = 27.25$ cudm	10 cudm	2.275	260.00	591.50
		10 cudm	2.725	260.00	708.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2447	Hollock ballies 125 mm diameter (iii) Ballies 125 mm dia. Slant 10x0.3 = 3 m ver. 6x3.5 = 21.0 m Total= 24.0 m Wastage @ 5% = 1.2 m Total= 25.2 m Qty taken for cost using once = 25.2/8 = 3.15m				
2204	Carriage of Timber Planking = 0.188 cum. Battens & Wales = 0.218 cum. Ballies $25.2 \times 22 / 7 \times (0.125)^2 / 4 = 0.310$ cum. Total = 0.710 cum. Qty taken for cost using once = 0.71/8= 0.0888 cum	metre	3.15	36.00	113.40
0112	LABOUR Labour for assembling, erection, dismantling & cleaning	cum	0.0888	187.35	16.64
0114	Carpenter 2nd class	day	0.63	714.00	449.82
9999	Beldar	day	0.63	645.00	406.35
	Sundries	L.S.	6.50	2.12	13.78
	TOTAL				2299.99 W
	Add 1 % Water charges on "W"				23.00
	TOTAL				2322.99 X
	Add GST on "X" (multiplying factor 0.1405)				326.38
	TOTAL				2649.37 Y
	Add 15% CPOH on "Y"				397.40
	TOTAL				3046.77 Z
	Add Cess @ 1% on "Z"				30.47
	Cost of 4 sqm.				3077.24
	Cost of 1 sqm.				769.31
	Say				769.30

5.9.18 Small surfaces such as cantilever ends, brackets and ends of steps, caps and bases to pilasters and columns and the like

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a bracket 1.20m projected Front area 0.50x0.60m End area 0.50x0.75m Area in contact with concrete $2 \times \{(0.60+0.75)/2 \times 1.2\} = 1.62$ sqm. Front 0.5x0.6 = 0.30 sqm. Bottom 0.5x1.21 = 0.605 sqm. Total = 2.525 sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Second class kail wood in planks Timber IIInd class kail wood or equivalent local soft wood (I) Plank 30mm thick. Sides $2\{(0.60+0.75)/2 \times 1.238\}$ = 1.6713sqm Battens $0.576 \times 1.21 = 0.697$ Front $0.5 \times 0.638 = 0.319$ Total = 2.687 sqm. Cubical contents $2.687 \times 0.038 = 0.102$ cum. Wastage @ 5% = 0.005 cum. Total = 0.107 cum. Qty taken for cost using once = $107/8 = 13.375$ cudm Second class kail wood in scantling (ii) Battens- 0.05×0.05 $2 \times 1.238 = 2.476$ m $2 \times 1.21 = 2.42$ m $2 \times 0.688 = 1.376$ m $2 \times 0.838 = 1.676$ m $3 \times 0.5 = 1.50$ m Total = 9.448m Cubical contents $9.448 \times 0.05 \times 0.05 = 0.024$ cum. Wastage 5% = 0.0012 cum. Total = 0.0252 cum = 25.2 cudm Qty taken for cost using once = $25.2/8 = 3.15$ cudm				
1197	Hollock ballies 125 mm diameter (iii) Ballies 125mm dia. $1 \times 2.5 = 2.50$ m $1 \times 2.65 = 2.65$ m Total = 5.15 m Wastage 5% = 0.26m Total = 5.41 m Qty taken for cost using once = $5.41/8 = 0.6763$ m	10 cudm	1.3375	260.00	347.75
2447	Carriage of Timber Planks = 0.107 cum. Battens = 0.0252 cum. Ballies $5.41 \times 22/7 \times (0.125^2/4)$ = 0.066 cum. Total = 0.198 cum Qty taken for cost using once = $0.198/8 = 0.0248$ cudm LABOUR Labour for assembling, erection, dismantling & cleaning	10 cudm	0.315	260.00	81.90
2204	Carpenter 2nd class Beldar	metre	0.6763	36.00	24.35
0112		cum	0.0248	187.35	4.65
0114		day	0.80	714.00	571.20
		day	0.80	645.00	516.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.525 sqm. Cost of 1 sqm. Say	L.S.	7.15	2.12	15.16 1561.00 W 15.61 1576.61 X 221.51 1798.12 Y 269.72 2067.84 Z 20.68 2088.52 827.14 827.15

5.9.19 Weather shade, Chajjas, corbels etc., including edges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a weather shade Area of centring and shuttering = 0.954 sqm For a weather shade over a window of size 1.5mx1.2m Size of weather shade 1.80x0.45m Thickness at front = 0.05m Thickness at fixed edge = 0.07m Area in contact with concrete Bottom $1 \times 0.45 \times 1.80 = 0.810$ $1 \times 0.05 \times 1.80 = 0.090$ $2 \times 0.45 \times 0.06 = 0.054$ Total = 0.954 sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times. Second class kail wood in planks (i) Planking 38mm thick. Bottom $1 \times 1.876 \times 0.488 = 0.915$ sqm. $1 \times 1.876 \times 0.05 = 0.94$ sqm. $2 \times 0.45 \times 0.06 = 0.027$ sqm. Total = 1.036 sqm. Add 5% wastage = 0.052 sqm. Total = 1.088 sqm. Cubic contains $1.088 \times 0.038 = 0.041$ cum = 41 cudm Qty taken for cost using once = $41/8 = 5.125$ cu dm Second class kail wood in scantling (ii) Battens- $2 \times 0.60 \times 0.075 \times 0.10 = 0.009$ Ends with bearing center $1 \times 0.45 \times 0.075 \times 0.10 = 0.003$ Total = 0.012 cum = 12 cu dm Qty taken for cost using once = $12/8=1.50$ cu dm				
1197		10 cu dm	0.5125	260.00	133.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2447	Hollock ballies 125 mm diameter (iii) Ballies 125mm dia. 2x2.1 = 4.2m Wastage 5% = 0.21m Total = 4.41 m Qty taken for cost using once = 4.41/8 = 0.5513 m Carriage: Carriage of Timber Plank = 0.041 cum. Battens = 0.012 cum. Ballies $4.41 \times 22/7 \times (0.125)^2 / 4 = 0.054$ cum. Total = 0.107 cum Qty taken for cost using once = 0.107/8 = 0.01338 cum LABOUR Labour for assembling, erection, dismantling & cleaning	metre	0.5513	36.00	19.85
2204	Carpenter 2nd class Beldar Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 0.954 sqm. Cost of 1 sqm. Say	cum	0.01338	187.35	2.51
0112	Carpenter 2nd class	day	0.30	714.00	214.20
0114	Beldar	day	0.25	645.00	161.25
9999	Sundries	L.S.	5.20	2.12	11.02
	TOTAL				581.08 W
	Add 1 % Water charges on "W"				5.81
	TOTAL				586.89 X
	Add GST on "X" (multiplying factor 0.1405)				82.46
	TOTAL				669.35 Y
	Add 15% CPOH on "Y"				100.40
	TOTAL				769.75 Z
	Add Cess @ 1% on "Z"				7.70
	Cost for 0.954 sqm.				777.45
	Cost of 1 sqm.				814.93
	Say				814.95

5.9.20 Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	Detail of cost for a room $4.50 \times 3 = 13.50$ sqm, height 3.5 m MATERIAL Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost Rate as per Item No.10.1 of SH:Steel Work Plates (size 0.75 x 0.60) Angle 40x40x5mm $2 \times 0.75 = 1.50$ m $2 \times 0.60 = 1.20$ m $= 2.70$ m @ 3.00 kg/m = 8.1 kg				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Weight of one plate = 8.10kg Add for wastage @ 5% = 0.41 kg Total = 8.51kg Total weight of all plates = 5x6x8.51 = 255.30 kg. Qty taken for cost using once.= $255.30 \times 0.85 / 40 = 5.425$ kg Welding length = $(30 \times 32) / 40 = 24$ cm Welding by electric plant Water proof ply 12mm thick. $1 \times 4.50 \times 3.00 = 13.50$ sqm Add wastage @ 5% = 0.68sqm Total 14.18sqm Qty taken for cost using once $14.18 / 8 = 1.77$ sqm	kg cm sqm	5.425 24.00 1.77	93.05 2.00 525.00	504.80 A 48.00 929.25
1215 8659	Carpenter 2nd class Beldar Bolts and nuts upto 300 mm in length Adjustable span ESO+SI (2.35-3.40) Qty taken for cost using once = $5 \times 0.85 / 40 = 0.10625$	day day quintal each	0.125 0.125 0.0021 0.1063	714.00 645.00 5200.00 1480.00	89.25 80.63 10.92 157.32
0112 0114 1034 7342	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once = $6 \times 0.85 / 40 = 0.1275$	each	0.1275	955.00	121.76
7343	Assembly nut & bolts etc. Carriage LABOUR Fitter (grade 1) Beldar Shuttering oil Sundries	L.S. L.S. day day L.S. L.S.	12.63 130.00 3.00 6.00 78.00 52.00	2.12 2.12 784.00 645.00 2.12 2.12	26.78 275.60 2352.00 3870.00 165.36 110.24 8741.90 W 82.37 8824.27 X
9999 9977	TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 13.50 sqm. Cost per sqm. Say				1168.89 9993.16 Y 1423.25 11416.42 Z 109.12 11525.53 853.74 853.75

5.9.21 Lintels, beams, plinth beams, girders, bressumers and cantilevers with water proof ply 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a beam of 6 m clear span, 0.50 m deep 0.30 m wide and height 3.5 m from floor				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	Cubical contents 6.60x0.5x0.3 = 0.99 cum 1x1.30x6.00 = 7.80 sqm MATERIAL Assuming shuttering will become unserviceable after use of 8 times Add maintenance charges @ 10% of cost of material Less salvage value of material after full use @ 25% of cost of material Rate as per Item No.10.1 of SH:Steel Work Steel plates for side and bottom (plate size 1.20 x 0.50m) Angle 40x40x5mm (both sides) & bottom $2x(2x1.20) = 4.80 + (2x1.2) = 7.20\text{m}$ $2x(3x0.50) = 3.00 + (3x0.30) = 3.9\text{m}$ 11.10 m @ 3.00 kg/m = 33.30 kg Weight of one plate = 11.70 kg. Add for wastage = 1.67kg. Total = 34.97 kg. Total weight of all plates $5x34.97 = 174.85 \text{ kg}$ Qty taken for cost of using once = $174.85 \times 0.85 / 40 = 3.72 \text{ kg}$ Welding length $480 / 40 = 12 \text{ cm}$	kg	3.72	93.05	346.15 A
1215 8659	Welding by electric plant Water proof ply 12mm thick. $1x1.30x6.00 = 7.80 \text{ sqm}$ Add 5% wastage = 0.39 sqm Total = 8.19 sqm Qty taken for cost of using once $8.19 / 8 \text{ sqm} = 1.02 \text{ sqm}$	cm sqm	12.00 1.02	2.00 525.00	24.00 535.50
0112	Carpenter 2nd class	day	0.125	714.00	89.25
0114	Beldar	day	0.125	645.00	80.63
1034	Bolts and nuts upto 300 mm in length	quintal	0.0021	5200.00	10.92
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	0.1275	955.00	121.76
7344	Qty taken for cost of using once = $6 \times 0.85 / 40 = 0.1275 \text{ m}$ Beam clamp 300-380 mm (450-1070 mm) Qty taken for cost of using once = $5 \times 0.85 / 40 = 0.1063 \text{ m}$	each set	0.1063	355.00	37.74
9999	Assembly nut & bolts etc.	L.S.	11.05	2.12	23.43
9977	Carriage	L.S.	78.00	2.12	165.36
0116	LABOUR				
0114	Fitter (grade 1)	day	1.25	784.00	980.00
9999	Beldar	day	2.50	645.00	1612.50
	Shuttering oil	L.S.	39.00	2.12	82.68

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries, paper tape etc. TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 7.80 sqm. Cost per sqm. Say	L.S.	26.00	2.12	55.12 4165.03 W 38.19 4203.21 X 541.92 4745.13 Y 659.85 5404.98 Z 50.59 5455.57 699.43 699.45

5.10 Providing and fixing tie bolt, spring coil and plastic cone in wall shuttering complete as per the direction of Engineer-in-charge.

5.10.1 12 mm dia. & 100 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7320	Details of cost for wall length 7.90mx1m (24 set)				
7324	MATERIAL				
7325	Tie bolt 12 mm dia 100 mm length	each	24.00	38.00	912.00
9977	Spring coil 12 mm	each	48.00	15.00	720.00
9999	Plastic cone 12 mm dia	each	48.00	15.00	720.00
	Carriage:	L.S.	13.00	2.12	27.56
	LABOUR				
	Sundries	L.S.	26.00	2.12	55.12
	TOTAL				2434.68 W
	Add 1 % Water charges on "W"				24.35
	TOTAL				2459.03 X
	Add GST on "X" (multiplying factor 0.1405)				345.49
	TOTAL				2804.52 Y
	Add 15% CPOH on "Y"				420.68
	TOTAL				3225.20 Z
	Add Cess @ 1% on "Z"				32.25
	Cost for 24 sets				3257.45
	Cost of 1 each set				135.73
	Say				135.75

5.10.2 12 mm dia. & 150 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7321	Details of cost for wall length 7.90mx1m (24 set)				
7324	MATERIAL				
7325	Tie bolt 12 mm dia 150 mm length	each	24.00	48.00	1152.00
9977	Spring coil 12 mm	each	48.00	15.00	720.00
	Plastic cone 12 mm dia	each	48.00	15.00	720.00
	Carriage:	L.S.	13.00	2.12	27.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	LABOUR Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 24 sets Cost of 1 each set Say	L.S.	26.00	2.12	55.12 2674.68 W 26.75 2701.43 X 379.55 3080.98 Y 462.15 3543.12 Z 35.43 3578.56 149.11 149.10

5.10.3 20 mm dia. & 150 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7322	Details of cost for wall length 7.90mx1m (24 set)				
7324	MATERIAL				
7325	Tie bolt 20 mm dia 150 mm length	each	24.00	57.00	1368.00
9977	Spring coil 12 mm	each	48.00	15.00	720.00
9999	Plastic cone 12 mm dia	each	48.00	15.00	720.00
	Carriage:	L.S.	13.00	2.12	27.56
	LABOUR				
	Sundries	L.S.	26.00	2.12	55.12
	TOTAL				2890.68 W
	Add 1 % Water charges on "W"				28.91
	TOTAL				2919.59 X
	Add GST on "X" (multiplying factor 0.1405)				410.20
	TOTAL				3329.79 Y
	Add 15% CPOH on "Y"				499.47
	TOTAL				3829.26 Z
	Add Cess @ 1% on "Z"				38.29
	Cost for 24 sets				3867.55
	Cost of 1 each set				161.15
	Say				161.15

5.10.4 20 mm dia.& 225 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7323	Details of cost for wall length 7.90mx1m (24 set)				
7324	MATERIAL				
7325	Tie bolt 20 mm dia 225 mm length	each	24.00	67.00	1608.00
9977	Spring coil 12 mm	each	48.00	15.00	720.00
	Plastic cone 12 mm dia	each	48.00	15.00	720.00
	Carriage:	L.S.	13.00	2.12	27.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	LABOUR Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 24 sets Cost of 1 each set Say	L.S.	26.00	2.12	55.12 3130.68 W 31.31 3161.99 X 444.26 3606.25 Y 540.94 4147.18 Z 41.47 4188.65 174.53 174.55

5.11 Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured).

5.11.1 Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7345	Details of cost for a Room of size 6mx4.8m = 28.8 sqm. MATERIAL Assuming that shuttering material will become unserviceable after use 40 times Less salvage value of material after full use @ 25% of cost material Add 10% of cost of material for maintenance Prop 4 m Qty taken for cost using once = $21 \times 0.85/40 = 0.4463$	each	0.4463	910.00	406.13
7343	Deduct the rate of 3m prop Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once = $21 \times 0.85/40 = 0.4463$	each	-0.4463	955.00	-426.22
7330	M.S. tube 40 mm dia Bracing MS tube 40mm 7x4.8m = 33.60m 3x6.0m = 18.00m Total = 51.60m Qty taken for cost using once = $51.6 \times 0.85/40 = 1.0965$	metre	1.0965	215.00	235.75
7346	Double coupler (40x40) Qty taken for cost using once = $21 \times 0.85/40 = 0.4463$	each	0.4463	46.00	20.53
9977	Carriage	L.S.	65.00	2.12	137.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0116	LABOUR				
0114	Fitter (grade 1)	day	3.00	784.00	2352.00
9999	Beldar	day	6.00	645.00	3870.00
	Sundries	L.S.	130.00	2.12	275.60
	TOTAL				6871.59 W
	Add 1 % Water charges on "W"				68.72
	TOTAL				6940.31 X
	Add GST on "X" (multiplying factor 0.1405)				975.11
	TOTAL				7915.42 Y
	Add 15% CPOH on "Y"				1187.31
	TOTAL				9102.74 Z
	Add Cess @ 1% on "Z"				91.03
	Cost for 28.8 sqm.				9193.76
	Cost per sqm.				319.23
	Say				319.25

5.12 Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but , excluding cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.5.1	Details of cost for 1 cum. MATERIAL Cement concrete 1:1½:3 in string or lacing course etc Rate as per Item No.4.5.1 of SH:CONCRETE WORK (NB : Rate has been taken including cost of fixing in CM 1:2 as precast members are to be fixed in CM 1:2)(1 cement : 2 coarse sand) as per CPWD specifications) LABOUR Extra labour for laying CC in RCC work	cum	1.00	9277.75	9277.75 A
0114	Beldar	day	0.10	645.00	64.50
0101	Bhisti	day	0.20	714.00	142.80
0123	Mason (brick layer) 1st class	day	0.04	784.00	31.36
0124	Mason (brick layer) 2nd class	day	0.04	714.00	28.56
0128	Mate	day	0.04	714.00	28.56
	TOTAL				9573.53 W
	Add 1 % Water charges on "W-A"				2.96
	TOTAL				9576.49 X
	Add GST on "X-A" (multiplying factor 0.1405)				41.97
	TOTAL				9618.46 Y
	Add 15% CPOH on "Y-A"				51.11
	TOTAL				9669.57 Z
	Add Cess @ 1% on "Z-A"				3.92
	Cost for 1 cum.				9673.49
	Say				9673.50

5.12A Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but excluding cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR-2	Details of cost for 1 cum MATERIAL: Cement concrete 1:1.5:3 in string or lacing course etc Rate as per Sub AR-2 (Ref item no 4.5.1) (NB : Rate has been taken including cost of fixing in CM 1:2 as precast members are to be fixed in CM 1:2) (1 cement: 2 coarse sand) as per CPWD specifications LABOUR: Extra labour for laying CC in RCC work	cum	1.00	9095.75	9095.75 A
0114	Beldar	day	0.10	645.00	64.50
0101	Bhisti	day	0.20	714.00	142.80
0123	Mason (brick layer) 1 st class	day	0.04	784.00	31.36
0124	Mason (brick layer) 2 nd class	day	0.04	714.00	28.56
0128	Mate	day	0.04	714.00	28.56
	Total				9391.53 W
	Add 1 % Water charges on "W-A"				2.96
	TOTAL				9394.49 X
	Add GST on "X-A" (multiplying factor 0.1405)				41.97
	TOTAL				9436.16 Y
	Add 15% CPOH on "Y-A"				51.11
	TOTAL				9487.57 Z
	Add Cess @ 1% on "Z-A"				3.92
	Cost of 1 cum				9491.49
	Say				9491.50

Sub AR-2 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR-1	Details of cost for Plain window sill 15 nos. 15x1m x 0.20m x 0.15m = 0.45cum. MATERIAL: Cement concrete 1:1.5:3 Rate as per Sub AR-1 (Ref item no 4.1.2) Extra labour for lifting 0.45 x 0.45 x 2.5 = 0.51	cum	0.45	7600.35	3420.16 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie Centering and shuttering(1) Mould(i) Plate 3mm thick: $(2 \times 1 \times 0.15) + (2 \times 0.15 \times 0.20) = 0.36$ sqm. @ 23.55kg/m ² = 8.48 kg. (ii) Flat 10x5mm: 4x1.0 = 4.0m ² x 0.2 = 1.6m ² x 0.15 = 0.60m ² Handle 2x0.25 = 0.5m = 0.70 m @ 0.4kg/m = 2.68 kg. Total = 11.16kg. or 0.112 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit.Qty taken for cost of using once = 0.112 x 0.75/40 = 0.0021 qtl = 0.21 kg	day	0.51	645.00	328.95
10.1	Rate as per Item Number 10.1 of SH: Steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times,(i) Brick on edge flooring cement mortar 1:61x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm	kg	0.21	93.05	19.54 A
11.1.2	Rate as per Item Number 11.1.2 of SH: Flooring (ii) 25mm thick cement concrete 1:2:4 in pavement $2.00 \times 2.00 \times 0.025 = 0.10 \text{ cum}$ Qty taken for cost of using once = 0.100/ 40 = 0.0025 cum	sqm	0.1	898.20	89.82 A
Sub AR-3 (Ref Item No.11.7)	Rate as per sub AR-3 (Ref Item No.11.7)	cum	0.0025	8193.85	20.48 A
9999	Mortar and labour for hoisting and finishing Total Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 0.45 cum Cost of 1 cum Say	L.S.	36.3	2.12	76.96 3955.90 W 4.06 3959.96 X 57.60 4017.56 Y 70.13 4087.70 Z 5.38 4093.08 9095.73 9095.75

Sub AR-3 Cement concrete pavement with 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate(RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%). including finishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR-1	Details of cost for one cum. MATERIAL Cement concrete 1:1.5:3 Rate as per Sub AR-1 (Ref item no.4.1.2)				
0124	Extra labour for laying in floors etc.	cum	1.00	7600.35	7600.35 A
0114	Mason (brick layer) 2nd class	day	0.35	714.00	249.90
0101	Beldar	day	0.18	645.00	116.10
9999	Bhisti	day	0.05	714.00	35.70
	Sundries	L.S.	19.76	2.12	41.80
	TOTAL				8043.95 W
	Add 1 % Water charges on "W-A"				4.44
	TOTAL				8048.39 X
	Add GST on "X-A" (multiplying factor 0.1405)				62.95
	TOTAL				8111.34 Y
	Add 15% CPOH on "Y-A"				76.65
	TOTAL				8187.97 Z
	Add Cess @ 1% on "Z-A"				5.88
	Cost of 1 Cum.				8193.85
	Say				8193.85

5.13 Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in small lintels not exceeding 1.5m clear span up to floor five level, including the cost of required centering, shuttering but , excluding the cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.2.2	Details of cost for a lintel : Qty = 0.054 cum MATERIAL 1.5m clear span = $1.8 \times 0.20 \times 0.15 = 0.054$ cum. Cement Concrete 1:1½:3 Rate as per Item No.4.2.2 of SH: Concrete Work	cum	0.054	9793.75	528.86 A
4.3.1	Centring and shuttering Rate as per item no. 4.3.1 of SH: Concrete work LABOUR	sqm	0.60	307.95	184.77 A
0114	Beldar	day	0.005	645.00	3.23
0101	Bhisti	day	0.01	714.00	7.14
0123	Mason (brick layer) 1st class	day	0.002	784.00	1.57
0124	Mason (brick layer) 2nd class	day	0.002	714.00	1.43

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Mate TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 0.054 cum. Cost per cum Say	day	0.002	714.00	1.43 728.42 W 0.15 728.57 X 2.10 730.67 Y 2.56 733.22 Z 0.20 733.42 13581.84 13581.85

5.13A Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in small lintels not exceeding 1.5 m clear span up to floor five level, including the cost of required centering, shuttering but excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR-4	Details of cost for a lintel Qty = 0.054 cum MATERIAL: 1.5m clear span = 1.8x0.20x0.15 = 0.054 cum. Cement Concrete 1:1.5:3 Rate as per Sub AR-4 (Ref item no 4.2.2) Centring and shuttering Rate as per Item Number 4.3.1 of SH: Concrete work LABOUR:	cum	0.054	9610.40	518.96 A
4.3.1		sqm	0.60	307.95	184.77 A
0114	Beldar	day	0.005	645.00	3.23
0101	Bhisti	day	0.01	714.00	7.14
0123	Mason (brick layer) 1 st class	day	0.00	784.00	1.57
0124	Mason (brick layer) 2nd class	day	0.00	714.00	1.43
0128	Mate Total Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 0.054 cum Cost of 1 cum Say	day	0.00	714.00 718.52 W 0.15 718.67 X 2.10 720.77 Y 2.56 723.32 Z 0.20 723.52 13398.49 13398.50	1.43 728.42 W 0.15 728.57 X 2.10 730.67 Y 2.56 733.22 Z 0.20 733.42 13581.84 13581.85

Sub AR-4 **1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 cum MATERIAL: Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.456	1400.00	638.40
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.224	1350.00	302.40
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III) derived from natural sources	cum	0.34	1500.00	510.00
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.085	741.00	62.99
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	163.93	69.67
0367	Portland Cement (0.2833cum)	tonne	0.40	5000.00	2000.00
2209	Carriage of cement	tonne	0.40	145.72	58.29
	LABOUR:				
0114	Beldar	day	0.90	645.00	580.50
0115	Coolie	day	0.78	645.00	503.10
0101	Bhisti	day	0.70	714.00	499.80
0123	Mason (brick layer) 1 st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2 nd class	day	0.06	714.00	42.84
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.07	800.00	56.00
0012	Vibrator (Needle type 40 mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	2.12	242.53
9999	Sundries	L.S.	14.30	2.12	30.32
	Extra for lifting material upto floor level = $0.75 \times 2.5 = 1.88$				
0115	Coolie Total Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum Say	day	1.88	645.00	1212.60 7183.00 W 71.83 7254.83 X 1019.30 8274.13 Y 1241.12 9515.25 Z 95.15 9610.40 9610.40

5.14 Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc, including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering but, excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2 0115 9999	Details of cost for 1mx0.20x0.15 =0.03 cum MATERIAL Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work Extra labour for lifting 0.45 x 0.03 x 2.5 = 0.034 Coolie Mortar and labour for hoisting and for fixing Centring and shuttering	cum	0.03	7783.65	233.51 A
4.3.1 9999	Rate as per Item No.4.3.1 of SH: Concrete Work Add for extra labour for hoisting 53.82x0.03 = 1.61 LABOUR Add Extra labour for moulding : Mason (brick layer) 1st class 0.58x0.03	sqm L.S.	0.36 1.61	307.95 2.12	110.86 A 3.41
0123	Mason (brick layer) 2nd class 0.58x0.03	day	0.0174	784.00	13.64
0124	Coolie 1.5x0.03	day	0.0174	714.00	12.42
0115 0101	Bhisti 0.06x0.03	day	0.045	645.00	29.03
0114 0101	Extra labour for laying CC in RCC Beldar 0.1x0.03	day	0.0018	714.00	1.29
0123	Bhisti 0.2x0.03	day	0.003	645.00	1.94
0123	Mason (brick layer) 1st class 0.04x0.03	day	0.006	714.00	4.28
0124	Mason (brick layer) 2nd class 0.04x0.03	day	0.0012	784.00	0.94
0128	Mate 0.04x0.03	day	0.0012	714.00	0.86
	TOTAL				440.75 W
	Add 1 % Water charges on "W-A"				0.96
	TOTAL				441.71 X
	Add GST on "X-A" (multiplying factor 0.1405)				13.68
	TOTAL				455.39 Y
	Add 15% CPOH on "Y-A"				16.65
	TOTAL				472.04 Z
	Add Cess @ 1% on "Z-A"				1.28
	Cost for 0.03 cum				473.32
	Cost for 1 cum.				15777.38
	Say				15777.40

5.14A Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc. including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering but excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR-1	Details of cost for one 1 x 0.20 x 0.15 = 0.03 cum MATERIAL: Cement concrete 1:1.5:3 Rate as per sub AR-1 (Ref item no 4.1.2) Extra labour for lifting $0.45 \times 0.03 \times 2.5 = 0.034$ Coolie Mortar and labour for hoisting and for fixing Centring and shuttering Rate as per Item Number 4.3.1 of SH: Concrete work 53.82×0.03	cum	0.03	7600.35	228.01 A
0115 9999	Coolie Mortar and labour for hoisting and for fixing Centring and shuttering Rate as per Item Number 4.3.1 of SH: Concrete work 53.82×0.03	day	0.034	645.00	21.93
4.3.1 9999	Centring and shuttering Rate as per Item Number 4.3.1 of SH: Concrete work 53.82×0.03	L.S.	2.73	2.12	5.79
0123	Add for extra labour for hoisting LABOUR: Add Extra labour for moulding Mason (brick layer) 1 st class 0.58×0.03	sqm	0.36	307.95	110.86 A
0124	Mason (brick layer) 2nd class 0.58×0.03	day	0.0174	784.00	13.64
0115	Coolie 1.5×0.03	day	0.0174	714.00	12.42
0101	Bhisti 0.06×0.03	day	0.0018	645.00	29.03
0114	Extra labour for laying CC in RCC Beldar 0.1×0.03	day	0.003	714.00	1.29
0101	Bhisti 0.2×0.03	day	0.006	645.00	4.28
0123	Mason (brick layer) 1 st class 0.04×0.03	day	0.0012	784.00	0.94
0124	Mason (brick layer) 2nd class 0.04×0.03	day	0.0012	714.00	0.86
0128	Mate 0.04×0.03 Total Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 0.03 cum Cost of 1 cum Say	day	0.0012	714.00	0.86
				435.25 W	
				0.96	
				436.22 X	
				13.68	
				449.89 Y	
				16.65	
				466.55 Z	
				1.28	
				467.82	
				15594.08	
				15594.10	

5.15 Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in lintels, beams and bressumers, including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering and shuttering but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beam 6.60m long 0.50m deep and 0.30m wide = 6.60x0.50x0.30 = 0.99 cum. MATERIAL Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work				
4.1.2	Centring and shuttering	cum	0.99	7783.65	7705.81 A
4.3.1	Rate same as per item no. 4.3.1 of SH: Concrete work Extra labour for lifting material upto floor V level	sqm	6.90	307.95	2124.86 A
0115	Coolie LABOUR Extra labour for laying cement concrete in RCC work	day	1.11	645.00	715.95
0114	Beldar 0.10x0.99	day	0.099	645.00	63.86
0101	Bhisti 0.20x0.99	day	0.198	714.00	141.37
0123	Mason (brick layer) 1st class 0.04x0.99	day	0.0396	784.00	31.05
0124	Mason (brick layer) 2nd class 0.04x0.99	day	0.0396	714.00	28.27
0128	Mate 0.04x0.99	day	0.0396	714.00	28.27
9999	Cement mortar 1:3 for fixing	L.S.	89.70	2.12	190.16
9999	Labour for hoisting, Transporting and setting in position	L.S.	269.10	2.12	570.49
	TOTAL				11600.10 W
	Add 1 % Water charges on "W-A"				17.69
	TOTAL				11617.79 X
	Add GST on "X-A" (multiplying factor 0.1405)				251.09
	TOTAL				11868.88 Y
	Add 15% CPOH on "Y-A"				305.73
	TOTAL				12174.61 Z
	Add Cess @ 1% on "Z-A"				23.44
	Cost for 0.99 cum				12198.05
	Cost for 1 cum.				12321.27
	Say				12321.25

5.15A Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in lintels, beams and bressumers including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering and shuttering but excluding the cost of reinforcement with, 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR-1	Details of cost for a beam 6.60m long 0.50m deep and 0.30m wide = $6.60 \times 0.50 \times 0.30 = 0.99$ cum MATERIAL: Cement concrete 1:1.5:3 Rate as per sub AR-1 (Ref item no 4.1.2) Centring and shuttering Rate as per Item Number 4.3.1 of SH: Concrete work Extra labour for lifting material upto floor V level	cum	0.990	7600.35	7524.35 A
4.3.1	Coolie LABOUR: Extra labour for laying cement concrete in RCCwork	sqm	6.900	307.95	2124.86 A
0115	Beldar 0.10×0.99	day	1.110	645.00	715.95
0114	Bhisti 0.20×0.99	day	0.099	645.00	63.86
0101	Mason (brick layer) 1 st class 0.04×0.99	day	0.198	714.00	141.37
0123	Mason (brick layer) 2nd class 0.04×0.99	day	0.0396	784.00	31.05
0124	Mate 0.04×0.99	day	0.0396	714.00	28.27
0128	Total Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405)	L.S.	89.700	2.12	190.16
9999	Labour for hoisting, Transporting and setting in position	L.S.	269.100	2.12	570.49
9999	Total Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405)				11418.63 W
					17.69
					11436.32 X
					251.09
					11687.41 Y
					305.73
					11993.15 Z
					23.44
					12016.59
					12137.97
					12137.95

5.16 Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in shelves, including setting in cement mortar 1:3 (1cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for on shelf 0.90x 0.45x0.04m thick = 0.90x0.45x0.04m = 0.0162 cum Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work Finishing	cum	0.0162	7783.65	126.10 A
13.18	Rate same as per item no. 13.18 of SH : Finishing Centring and shuttering:	sqm	0.85	67.80	57.63 A
4.3.1	Rate same as per item no. 4.3.1 of SH : concrete work $2 \times (0.90+0.45) \times 0.04 = 0.108 \text{ sqm}$ Extra labour for lifting material upto floor V level	sqm	0.108	307.95	33.26 A
0115	Coolie LABOUR Extra labour for laying cement concrete in RCC work due to delay etc.	day	0.018	645.00	11.61
0114	Beldar	day	0.016	645.00	10.32
0101	Bhisti	day	0.0032	714.00	2.28
0123	Mason (brick layer) 1st class	day	0.0006	784.00	0.47
0124	Mason (brick layer) 2nd class	day	0.0006	714.00	0.43
0128	Mate	day	0.0006	714.00	0.43
9999	Cement mortar 1:3 for fixing	L.S.	4.42	2.12	9.37
9999	Labour for hoisting, Transporting and setting in position	L.S.	13.52	2.12	28.66
	TOTAL				280.56 W
	Add 1 % Water charges on "W-A"				0.64
	TOTAL				281.19 X
	Add GST on "X-A" (multiplying factor 0.1405)				9.02
	TOTAL				290.22 Y
	Add 15% CPOH on "Y-A"				10.98
	TOTAL				301.20 Z
	Add Cess @ 1% on "Z-A"				0.84
	Cost for 0.0162 cum				302.04
	Cost for 1 cum.				18644.62
	Say				18644.60

5.16A Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in shelves including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR-1	Details of cost for one shelf 0.90x0.45x0.04m thick = 0.90x0.45x0.04m = 0.0162 cum Cement concrete 1:1.5:3 Rate as per sub AR-1 (Ref item no 4.1.2) Finisihing	cum	0.0162	7600.35	123.13 A
13.18	Rate as per Item Number 13.18 of SH: Finishing Centring and shuttering: $2 \times (0.90+0.45) \times 0.04 = 0.108 \text{ sqm}$	sqm	0.85	67.80	57.63 A
4.3.1	Rate as per Item Number 4.3.1 of SH: Concrete work Extra labour for lifting material upto floor V level	sqm	0.108	307.95	33.26 A
0115	Coolie LABOUR: Extra labour for laying cement concrete in RCC work due to delay etc.	day	0.018	645.00	11.61
0114	Beldar	day	0.016	645.00	10.32
0101	Bhisti	day	0.0032	714.00	2.28
0123	Mason (brick layer) 1 st class	day	0.0006	784.00	0.47
0124	Mason (brick layer) 2nd class	day	0.0006	714.00	0.43
0128	Mate	day	0.0006	714.00	0.43
9999	Cement mortar 1:3 for fixing	L.S.	4.42	2.12	9.37
9999	Labour for hoisting, Transporting and setting	L.S.	13.52	2.12	28.66
	Total				277.59 W
	Add 1 % Water charges on "W-A"				0.64
	TOTAL				278.22 X
	Add GST on "X-A" (multiplying factor 0.1405)				9.02
	TOTAL				287.25 Y
	Add 15% CPOH on "Y-A"				10.98
	TOTAL				298.23 Z
	Add Cess @ 1% on "Z-A"				0.84
	Cost of 0.0162 cum				299.07
	Cost of 1 cum				18461.32
	Say				18461.30

5.17 Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in vertical & horizontal fins, individually or forming box louvers, setting in cement mortar 1:2 (1 cement : 2 coarse sand), including the cost of required centering, shuttering but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4 RCC vertical fins 4m high at 1m centre to centre with two horizontal fins, all projecting 60cm from face of wall and 5cm thick cubical contents = 0.66 cum. MATERIAL Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work				
4.1.2	Centering and shuttering	cum	0.66	7783.65	5137.21 A
4.3.1	Rate as per item no. 4.3.1 of SH: Concrete work Extra labour for lifting material upto floor V level	sqm	2.56	307.95	788.35 A
0115	Coolie LABOUR Extra labour for laying cement concrete in RCC work due to delay etc.	day	0.75	645.00	483.75
0114	Beldar	day	0.066	645.00	42.57
0101	Bhisti	day	0.132	714.00	94.25
0123	Mason (brick layer) 1st class	day	0.0264	784.00	20.70
0124	Mason (brick layer) 2nd class	day	0.0264	714.00	18.85
0128	Mate	day	0.0264	714.00	18.85
9999	Cement mortar 1:3 for fixing	L.S.	17.94	2.12	38.03
9999	Labour for hoisting, Transporting and setting in position	L.S.	71.76	2.12	152.13
9999	Sundries	L.S.	17.94	2.12	38.03
	TOTAL				6832.72 W
	Add 1 % Water charges on "W-A"				9.07
	TOTAL				6841.79 X
	Add GST on "X-A" (multiplying factor 0.1405)				128.73
	TOTAL				6970.52 Y
	Add 15% CPOH on "Y-A"				156.74
	TOTAL				7127.27 Z
	Add Cess @ 1% on "Z-A"				12.02
	Cost for 0.66 cum				7139.29
	Cost for 1 cum.				10817.10
	Say				10817.10

5.17A Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in vertical & horizontal fins individually or forming box louvers setting in cement mortar 1:2 (1 cement : 2 coarse sand), including the cost of required centering, shuttering but excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4 RCC vertical fins 4m high at 1m centre to centre with two horizontal fins, all projecting 60cm from face of wall and 5cm thick cubical contents = 0.66 cum MATERIAL: Cement concrete 1:1.5:3				
Sub AR-1	Rate as per sub AR-1 (Ref item no 4.1.2)	cum	0.66	7600.35	5016.23 A
4.3.1	Centering and shuttering	sqm	2.56	307.95	788.35 A
0115	Rate as per Item Number 4.3.1 of SH: Concrete work Extra labour for lifting material upto floor V level	day	0.75	645.00	483.75
0114	Coolie	day	0.066	645.00	42.57
0101	LABOUR: Extra labour for laying cement concrete in RCC work due to delay etc.	day	0.132	714.00	94.25
0123	Beldar	day	0.0264	784.00	20.70
0124	Bhisti	day	0.0264	714.00	18.85
0128	Mason (brick layer) 1 st class	day	0.0264	714.00	18.85
9999	Mason (brick layer) 2nd class	day	0.0264	714.00	18.85
9999	Mate	day	0.0264	714.00	18.85
9999	Cement mortar 1:3 for fixing	L.S.	17.94	2.12	38.03
9999	Labour for hoisting, Transporting and setting	L.S.	71.76	2.12	152.13
9999	Sundries	L.S.	17.94	2.12	38.03
	Total				6711.74 W
	Add 1 % Water charges on "W-A"				9.07
	TOTAL				6720.82 X
	Add GST on "X-A" (multiplying factor 0.1405)				128.73
	TOTAL				6849.55 Y
	Add 15% CPOH on "Y-A"				156.74
	TOTAL				7006.29 Z
	Add Cess @ 1% on "Z-A"				12.02
	Cost of 0.66 cum				7018.31
	Cost of 1 cum				10633.80
	Say				10633.80

5.18 Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.

5.18.1 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for jali 2.00mx0.75m = 1.50 sqm.				
0768	Cement Concrete Jali 50 mm thick	sqm	1.50	400.00	600.00
9999	Mortar for fixing	L.S.	6.24	2.12	13.23
9988	Carriage and sundries	L.S.	6.20	2.12	13.14
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.30	784.00	235.20
0124	Mason (brick layer) 2nd class	day	0.30	714.00	214.20
0114	Beldar	day	1.08	645.00	696.60
	TOTAL				1772.37 W
	Add 1 % Water charges on "W"				17.72
	TOTAL				1790.10 X
	Add GST on "X" (multiplying factor 0.1405)				251.51
	TOTAL				2041.61 Y
	Add 15% CPOH on "Y"				306.24
	TOTAL				2347.85 Z
	Add Cess @ 1% on "Z"				23.48
	Cost of 1.50 sqm.				2371.32
	Cost of 1 sqm.				1580.88
	Say				1580.90

5.18.2 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.2mx0.60m = 0.72 sqm.				
0769	Cement Concrete Jali 40 mm thick	sqm	0.72	350.00	252.00
9999	Mortar for fixing	L.S.	3.64	2.12	7.72
9988	Carriage and sundries	L.S.	3.64	2.12	7.72
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.12	784.00	94.08
0124	Mason (brick layer) 2nd class	day	0.12	714.00	85.68
0114	Beldar	day	0.50	645.00	322.50
	TOTAL				769.69 W
	Add 1 % Water charges on "W"				7.70
	TOTAL				777.39 X
	Add GST on "X" (multiplying factor 0.1405)				109.22
	TOTAL				886.61 Y
	Add 15% CPOH on "Y"				132.99
	TOTAL				1019.61 Z
	Add Cess @ 1% on "Z"				10.20
	Cost of 0.72 sqm.				1029.80
	Cost of 1 sqm.				1430.28
	Say				1430.30

5.18.3 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0770	Details of cost for jali 0.75mx0.5m = 0.375 sqm				
9999	Cement Concrete Jali 25 mm thick	sqm	0.375	275.00	103.13
9988	Mortar for fixing	L.S.	1.82	2.12	3.86
	Carriage and sundries	L.S.	1.82	2.12	3.86
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
0114	Beldar	day	0.25	645.00	161.25
	TOTAL				361.97 W
	Add 1 % Water charges on "W"				3.62
	TOTAL				365.59 X
	Add GST on "X" (multiplying factor 0.1405)				51.37
	TOTAL				416.96 Y
	Add 15% CPOH on "Y"				62.54
	TOTAL				479.50 Z
	Add Cess @ 1% on "Z"				4.80
	Cost of 0.375 sqm.				484.30
	Cost of 1 sqm.				1291.46
	Say				1291.45

5.19 Encasing rolled steel sections, in beams and columns, with cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) including centering and shuttering complete but , excluding cost of reinforcement.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 0.424 cum. Consider 2 R.S. Joist (150mmx80mm) 4.88m long placed 30cm apart centre to centre Overall dimensions of the beam 43cmx20cm- MATERIAL Concrete work- 4.93x0.43x0.20 = 0.424 cum for 1:1½:3 Cement Concrete (1 cement: 1½ coarse sand : 3 stone aggregate 20mm nominal size) Rate as per Item No.4.1.2 of SH: Concrete Work Extra labour for laying C.C. in RCC work	cum	0.424	7783.65	3300.27 A
0114	Beldar	day	0.042	645.00	27.09
0101	Bhisti	day	0.085	714.00	60.69
0123	Mason (brick layer) 1st class	day	0.017	784.00	13.33
0124	Mason (brick layer) 2nd class	day	0.017	714.00	12.14
0128	Mate	day	0.017	714.00	12.14
	Form work- 4.93x0.83 girth = 4.09 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.9.5 9999	Rate as per item 5.9.5 of SH: Reinforced cement concrete work Sundries and for lifting materials TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 0.424 cum Cost of 1 cum. Say	sqm L.S.	4.09 21.58	608.35 2.12	2488.15 A 45.75 5959.55 W 1.71 5961.26 X 24.28 5985.55 Y 29.57 6015.12 Z 2.27 6017.39 14191.95 14191.95

5.19A Encasing rolled steel sections, in beams and columns, with cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20%: 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%) including centering and shuttering complete but excluding cost of reinforcement.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR-1	Details of cost for 0.424 cum Consider 2 R.S. Joists (150mmx 80mm) 4.88m long placed 30cm apart centre to centre Overall dimensions of the beam 43cmx20cm MATERIAL: Concrete work :4.93x0.43x0.20 = 0.424 cum For 1:1.5:3 Cement Concrete (1 cement: 1½ coarse sand (RCA) upto 20% : 3 stone aggregate 20mm nominal size (RCA) upto 20%) Rate as per sub AR-1 (Ref item no 4.1.2) Extra labour for laying C.C. in RCC work	cum	0.424	7600.35	3222.55 A
0114	Beldar	day	0.042	645.00	27.09
0101	Bhisti	day	0.085	714.00	60.69
0123	Mason (brick layer) 1 st class	day	0.017	784.00	13.33
0124	Mason (brick layer) 2nd class	day	0.017	714.00	12.14
0128	Mate	day	0.017	714.00	12.14
5.9.5	Form work-4.93x0.83 girth = 4.09 sqm Rate as per Item Number 5.9.5 of SH: Reinforced cement concrete work	sqm	4.090	608.35	2488.15 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and for lifting materials Total Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 0.424 cum Cost of 1 cum Say	L.S.	21.580	2.12	45.75 5881.83 W 1.71 5883.54 X 24.28 5907.83 Y 29.57 5937.40 Z 2.27 5939.67 14008.65 14008.65

5.20 Encasing rolled steel section in grillages with cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) including centering and shuttering but, excluding cost of expanded metal and hangers.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for the grillage 3.50mx3.50mx1.00m = 12.25 cum Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work Extra labour for laying C.C. in RCC work	cum	12.25	7783.65	95349.71 A
0114	Beldar	day	1.225	645.00	790.13
0101	Bhisti	day	2.45	714.00	1749.30
0123	Mason (brick layer) 1st class	day	0.49	784.00	384.16
0124	Mason (brick layer) 2nd class	day	0.49	714.00	349.86
0128	Mate	day	0.49	714.00	349.86
5.9.5	Shuttering : $2(3.50+3.50)\times 1.00 = 14.00 \text{ sqm}$ Rate as per item 5.9.5 of SH: Reinforced cement concrete work TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 12.25 cum. Cost of 1 cum. Say	sqm	14.00	608.35	8516.90 A 107489.92 W 36.23 107526.15 X 514.17 108040.32 Y 626.06 108666.37 Z 48.00 108714.37 8874.64 8874.65

5.20A Encasing rolled steel section in grillages with cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%), including centering and shuttering but excluding cost of expanded metal and hangers.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub AR-1	Details of cost for the grillage 3.50mx3.50mx1.00m Cement concrete 1:1.5:3 3.50mx 3.50x1.00=12.25cum Cement concrete 1:1.5:3 Rate as per sub AR-1 (Ref item no 4.1.2) Extra labour for laying C.C. in RCC work	cum	12.25	7600.35	93104.29 A
0114	Beldar	day	1.225	645.00	790.13
0101	Bhisti	day	2.45	714.00	1749.30
0123	Mason (brick layer) 1 st class	day	0.49	784.00	384.16
0124	Mason (brick layer) 2nd class	day	0.49	714.00	349.86
0128	Mate	day	0.49	714.00	349.86
5.9.5	Shuttering :2(3.50+3.50)x1.00 = 14.00 sqm Rate as per Item Number 5.9.5 of SH: Reinforced cement concrete work Total Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 12.25 cum Cost of 1 cum Say	sqm	14.00	608.35	8516.90 A 105244.49 W 36.23 105280.73 X 514.17 105794.89 Y 626.06 106420.95 Z 48.00 106468.94 8691.34 8691.35

5.21 Extra for providing and fixing expanded metal mesh of size 20x60 mm and strands 3.25 mm wide 1.6 mm thick weighing 3.64 kg per sqm for encasing of rolled steel sections in beams, columns and grillages, excluding cost of hangers.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1015	Deatil of cost for 10 sqm MATERIAL Expended metal 20 mm x 60 mm and 1.6 mm thick = 10 sqm Wastage 5% = 0.5 sqm Total =10.50 sqm Mild steel expanded metal 20x60 mm strands	sqm	10.50	280.00	2940.00
9977	Carriage of expended metal	L.S.	13.52	2.12	28.66
9999	Wire for tieing	L.S.	13.52	2.12	28.66
	Cost of bending and placing in position				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0102	Blacksmith 1st class	day	0.25	784.00	196.00
0114	Beldar	day	0.25	645.00	161.25
	TOTAL				3354.57 W
	Add 1 % Water charges on "W"				33.55
	TOTAL				3388.12 X
	Add GST on "X" (multiplying factor 0.1405)				476.03
	TOTAL				3864.15 Y
	Add 15% CPOH on "Y"				579.62
	TOTAL				4443.77 Z
	Add Cess @ 1% on "Z"				44.44
	Cost of 10 sqm				4488.21
	Cost of 1 sqm.				448.82
	Say				448.80

5.22 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.

5.22.1 Mild steel and Medium Tensile steel bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1004	Details of cost for 1 quintal- MATERIAL Mild steel bars = 1.00 q Wastage 5% = 0.05 q Total = 1.05 q Average rate of Mild steel round bars for reinforcements	quintal	1.05	4850.00	5092.50
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	145.72	15.30
9999	Cover block LABOUR For straightening, cutting, bending, binding and placing in position-	L.S.	26.00	2.12	55.12
0102	Blacksmith 1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries and binding wire	L.S.	26.91	2.12	57.05
	TOTAL				6648.97 W
	Add 1 % Water charges on "W"				66.49
	TOTAL				6715.46 X
	Add GST on "X" (multiplying factor 0.1405)				943.52
	TOTAL				7658.98 Y
	Add 15% CPOH on "Y"				1148.85
	TOTAL				8807.83 Z
	Add Cess @ 1% on "Z"				88.08
	Cost of one quintal				8895.91
	Cost of 1 Kg.				88.96
	Say				88.95

5.22.2 Hard drawn steel wire

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Hard drawn steel wire = 1.00 q Wastage 5% = 0.05 q Total = 1.05 q				
1224	Hard drawn steel wire	quintal	1.05	4800.00	5040.00
2205	Carriage of Steel 1.05q = 0.105 tonne	tonne	0.105	145.72	15.30
	LABOUR				
0102	For cutting and laying in position etc.-				
	Blacksmith 1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries	L.S.	26.91	2.12	57.05
	TOTAL				6541.35 W
	Add 1 % Water charges on "W"				65.41
	TOTAL				6606.76 X
	Add GST on "X" (multiplying factor 0.1405)				928.25
	TOTAL				7535.01 Y
	Add 15% CPOH on "Y"				1130.25
	TOTAL				8665.27 Z
	Add Cess @ 1% on "Z"				86.65
	Cost of one quintal				8751.92
	Cost of 1 Kg.				87.52
	Say				87.50

5.22.3 Cold twisted bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q Wastage 5% = 0.05 q Total = 1.05q				
1005	Twisted steel / deformed bars	quintal	1.05	4900.00	5145.00
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	145.72	15.30
9999	Cover block	L.S.	26.00	2.12	55.12
	LABOUR				
0102	For straightening, cutting, bending, binding and placing in position-				
	Blacksmith 1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries and binding wire	L.S.	26.91	2.12	57.05
	TOTAL				6701.47 W
	Add 1 % Water charges on "W"				67.01
	TOTAL				6768.48 X
	Add GST on "X" (multiplying factor 0.1405)				950.97
	TOTAL				7719.46 Y
	Add 15% CPOH on "Y"				1157.92
	TOTAL				8877.38 Z
	Add Cess @ 1% on "Z"				88.77
	Cost of one quintal				8966.15
	Cost of 1 Kg.				89.66
	Say				89.65

5.22.4 Hot rolled deformed bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q Wastage 5% = 0.05 q Total = 1.05q				
1005	Twisted steel / deformed bars	quintal	1.05	4900.00	5145.00
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	145.72	15.30
9999	Cover block	L.S.	26.00	2.12	55.12
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries and binding wire	L.S.	26.91	2.12	57.05
	TOTAL				6701.47 W
	Add 1 % Water charges on "W"				67.01
	TOTAL				6768.48 X
	Add GST on "X" (multiplying factor 0.1405)				950.97
	TOTAL				7719.46 Y
	Add 15% CPOH on "Y"				1157.92
	TOTAL				8877.38 Z
	Add Cess @ 1% on "Z"				88.77
	Cost of one quintal				8966.15
	Cost of 1 Kg.				89.66
	Say				89.65

5.22.5 Hard drawn steel wire fabric

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Hard drawn steel wire fabric 100kg , 7.75kg per sqm = 12.903 sqm. Add 5% wastage = 0.645 sqm. Total =13.548 sqm				
1021	Hard drawn steel wire fabric	sqm	13.548	430.00	5825.64
2205	Carriage 1.05q = 0.105 tonne	tonne	0.105	145.72	15.30
9999	Cover block	L.S.	26.00	2.12	55.12
	LABOUR				
	For cutting and laying in position.				
0103	Blacksmith 2nd class	day	0.20	714.00	142.80
0114	Beldar	day	1.50	645.00	967.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and binding wire TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of one quintal Cost of 1 Kg. Say	L.S.	13.52	2.12	28.66 7035.02 W 70.35 7105.37 X 998.30 8103.68 Y 1215.55 9319.23 Z 93.19 9412.42 94.12 94.10

5.22.6 Thermo-Mechanically Treated bars of grade Fe-500D or more.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1005	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q Wastage 5% = 0.05 q Total = 1.05q				
2205	Twisted steel / deformed bars	quintal	1.05	4900.00	5145.00
9999	Carriage of steel 1.05/10 = 0.105t	tonne	0.105	145.72	15.30
	Cover block	L.S.	26.00	2.12	55.12
0102	LABOUR For straightening, cutting, bending, binding and placing in position-				
0114	Blacksmith 1st class	day	1.00	784.00	784.00
9999	Beldar	day	1.00	645.00	645.00
	Sundries and binding wire	L.S.	26.91	2.12	57.05
	TOTAL				6701.47 W
	Add 1 % Water charges on "W"				67.01
	TOTAL				6768.48 X
	Add GST on "X" (multiplying factor 0.1405)				950.97
	TOTAL				7719.46 Y
	Add 15% CPOH on "Y"				1157.92
	TOTAL				8877.38 Z
	Add Cess @ 1% on "Z"				88.77
	Cost of one quintal				8966.15
	Cost of 1 Kg.				89.66
	Say				89.65

5.22A Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.

5.22A.1 Mild steel and Medium Tensile steel bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Mild steel bars = 1.00 q Wastage 5% = 0.05 q Total = 1.05 q				
1004	Average rate of Mild steel round bars for reinforcements	quintal	1.05	4850.00	5092.50
2205	Carriage of Steel NOS/ 10 = 0.105 t	tonne	0.105	145.72	15.30
9999	Cover block LABOUR	L.S.	26.00	2.12	55.12
0102	For straightening, cutting, bending, binding and placing in position- Blacksmith 1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries and binding wire	L.S.	26.91	2.12	57.05
	TOTAL				6648.97 W
	Add 1 % Water charges on "W"				66.49
	TOTAL				6715.46 X
	Add GST on "X" (multiplying factor 0.1405)				943.52
	TOTAL				7658.98 Y
	Add 15% CPOH on "Y"				1148.85
	TOTAL				8807.83 Z
	Add Cess @ 1% on "Z"				88.08
	Cost of one quintal				8895.91
	Cost of 1 Kg.				88.96
	Say				88.95

5.22A.2 Hard drawn steel wire

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Hard drawn steel wire = 1.00 q Wastage 5% = 0.05 q Total = 1.05 q				
1224	Hard drawn steel wire	quintal	1.05	4800.00	5040.00
2205	Carriage of Steel	tonne	0.105	145.72	15.30
0102	LABOUR				
0114	For cutting and laying in position etc.- Blacksmith 1st class	day	1.00	784.00	784.00
	Beldar	day	1.00	645.00	645.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of one quintal Cost of 1 Kg. Say	L.S.	26.91	2.12	57.05 6541.35 W 65.41 6606.76 X 928.25 7535.01 Y 1130.25 8665.27 Z 86.65 8751.92 87.52 87.50

5.22A.3 Cold twisted bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1005	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q Wastage 5% = 0.05 q Total = 1.05q	quintal	1.05	4900.00	5145.00
2205	Twisted steel / deformed bars	tonne	0.105	145.72	15.30
9999	Carriage of Steel Cover block LABOUR For straightening, cutting, bending, binding and placing in position- Blacksmith 1st class	L.S.	26.00	2.12	55.12
0102	Beldar	day	1.00	784.00	784.00
0114	Sundries and binding wire	day	1.00	645.00	645.00
9999	TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of one quintal Cost of 1 Kg. Say	L.S.	26.91	2.12	57.05 6701.47 W 67.01 6768.48 X 950.97 7719.46 Y 1157.92 8877.38 Z 88.77 8966.15 89.66 89.65

5.22A.4 Hot rolled deformed bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q Wastage 5% = 0.05 q Total = 1.05q				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1005	Twisted steel / deformed bars	quintal	1.05	4900.00	5145.00
2205	Carriage of Steel	tonne	0.105	145.72	15.30
9999	Cover block	L.S.	26.00	2.12	55.12
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries and binding wire	L.S.	26.91	2.12	57.05
	TOTAL				6701.47 W
	Add 1 % Water charges on "W"				67.01
	TOTAL				6768.48 X
	Add GST on "X" (multiplying factor 0.1405)				950.97
	TOTAL				7719.46 Y
	Add 15% CPOH on "Y"				1157.92
	TOTAL				8877.38 Z
	Add Cess @ 1% on "Z"				88.77
	Cost of one quintal				8966.15
	Cost of 1 Kg.				89.66
	Say				89.65

5.22A.5 Hard drawn steel wire fabric

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Hard drawn steel wire fabric 100kg, 7.75kg per sqm = 12.903 sqm. Add 5% wastage Total =13.548 sqm				
1021	Hard drawn steel wire fabric	sqm	13.548	430.00	5825.64
2205	Carriage of Steel	tonne	0.105	145.72	15.30
9999	Cover block	L.S.	26.00	2.12	55.12
	LABOUR				
	For cutting and laying in position.				
0103	Blacksmith 2nd class	day	0.20	714.00	142.80
0114	Beldar	day	1.50	645.00	967.50
9999	Sundries and binding wire	L.S.	13.52	2.12	28.66
	TOTAL				7035.02 W
	Add 1 % Water charges on "W"				70.35
	TOTAL				7105.37 X
	Add GST on "X" (multiplying factor 0.1405)				998.30
	TOTAL				8103.68 Y
	Add 15% CPOH on "Y"				1215.55
	TOTAL				9319.23 Z
	Add Cess @ 1% on "Z"				93.19
	Cost of one quintal				9412.42
	Cost of 1 Kg.				94.12
	Say				94.10

5.22A.6 Thermo-Mechanically Treated bars of grade Fe-500D or more.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q Wastage 5% = 0.05 q Total =1.05q				
1005	Twisted steel / deformed bars	quintal	1.05	4900.00	5145.00
2205	Carriage of Steel	tonne	0.105	145.72	15.30
9999	Cover block	L.S.	26.00	2.12	55.12
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries and binding wire	L.S.	26.91	2.12	57.05
	TOTAL				6701.47 W
	Add 1 % Water charges on "W"				67.01
	TOTAL				6768.48 X
	Add GST on "X" (multiplying factor 0.1405)				950.97
	TOTAL				7719.46 Y
	Add 15% CPOH on "Y"				1157.92
	TOTAL				8877.38 Z
	Add Cess @ 1% on "Z"				88.77
	Cost of one quintal				8966.15
	Cost of 1 Kg.				89.66
	Say				89.65

5.22B Steel reinforcement for R.C.C. work ready to use "cut and bend" rebars of approved make from factory/workshop to construction site including placing in position and binding all complete upto plinth level.

5.22B.1 Thermo-Mechanically Treated bars of grade Fe-500D or more.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q				
1005	Twisted steel / deformed bars	quintal	1.00	4900.00	4900.00
2205	Carriage of steel 1.0/10 = 0.1	tonne	0.100	145.72	14.57
9999	Cover block	L.S.	26.00	2.12	55.12
	LABOUR				
9999	For cut and bend	L.S.	156.00	2.12	330.72
	For binding and placing in position				
0102	Blacksmith 1st class	day	0.60	784.00	470.40
0114	Beldar	day	0.60	645.00	387.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and binding wire TOTAL Add 1 % Water charges TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @1% on "Z" Cost of one quintal Cost of 1 Kg. Say	L.S.	26.91	2.12	57.05 6214.86 W 62.15 6277.01 X 881.92 7158.93 Y 1073.84 8232.77 Z 82.33 8315.10 83.15 83.15

5.22C Steel reinforcement for R.C.C. work ready to use "cut and bend" rebars of approved make from factory/workshop to construction site including placing in position and binding all complete above plinth level.

5.22C.1 Thermo-Mechanically Treated bars of grade Fe-500D or more.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1005	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q	quintal	1.00	4900.00	4900.00
2205	Twisted steel / deformed bars	tonne	0.100	145.72	14.57
9999	Carriage of steel 1.0/10 = 0.1t	L.S.	26.00	2.12	55.12
9999	Cover block LABOUR	L.S.	156.00	2.12	330.72
0102	For cut and bend	day	0.60	784.00	470.40
0114	For binding and placing in position	day	0.60	645.00	387.00
9999	Blacksmith 1st class	L.S.	26.91	2.12	57.05
	Beldar				6214.86 W
	Sundries and binding wire				62.15
	TOTAL				6277.01 X
	Add 1 % Water charges				 881.92
	TOTAL				7158.93 Y
	Add GST on "X" (multiplying factor 0.1405)				1073.84
	TOTAL				8232.77 Z
	Add 15% CPOH on "Y"				82.33
	TOTAL				8315.10
	Add Cess @1% on "Z"				83.15
	Cost of one quintal				83.15
	Cost of 1 Kg.				83.15
	Say				

5.23 Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL Cement mortar 1 : 3 (1 cement : 3 fine sand)				
3.3	Rate as per item No 3.3 of SH: Mortars	cum	0.072	4382.15	315.51
0155	Mason (average)	day	0.51	749.00	381.99
0115	Coolie	day	0.75	645.00	483.75
0101	Bhisti	day	0.92	714.00	656.88
9999	Extra for removing burrs, cleaning with wire brushes pock marking with pointed tool etc. complete	L.S.	13.39	2.12	28.39
9999	Scaffolding and Sundries	L.S.	11.70	2.12	24.80
	TOTAL				1891.33 W
	Add 1 % Water charges on "W"				18.91
	TOTAL				1910.24 X
	Add GST on "X" (multiplying factor 0.1405)				268.39
	TOTAL				2178.63 Y
	Add 15% CPOH on "Y"				326.79
	TOTAL				2505.42 Z
	Add Cess @ 1% on "Z"				25.05
	Cost of 10 Sqm.				2530.48
	Cost per sqm.				253.05
	Say				253.05

5.24 Extra for rendering smooth the top of suspended floors, landings and staircases (treads and risers) with cement mortar 1:2 (1 cement : 2 coarse sand), including a floating coat of neat cement and protecting the surface with a layer of 7.5 cm of earth laid over 15 mm of fine sand in case of suspended floor and bricks laid in mud mortar in case of landings and steps, including subsequent removal and cleaning of the same.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL Cement mortar 1:2 (1 Cement : 2 Coarse sand)				
3.7	Rate as per item No 3.7 of SH: Mortars	cum	0.03	5699.25	170.98
0367	Portland Cement	tonne	0.0213	5000.00	106.50
2209	Carriage of Cement	tonne	0.0213	145.72	3.10
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0124	Mason (brick layer) 2nd class	day	0.20	714.00	142.80
0114	Beldar	day	0.25	645.00	161.25
9999	Spreading earth on floor (7.5mm thick)	L.S.	35.49	2.12	75.24
	Spreading sand 15mm thick on floor				
0983	Fine sand (zone IV)	cum	0.15	900.00	135.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.15	163.93	24.59

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Disposal of earth spread over floor protectIron	L.S.	5.33	2.12	11.30
9999	Sundries	L.S.	6.24	2.12	13.23
	TOTAL				1000.79 W
	Add 1 % Water charges on "W"				10.01
	TOTAL				1010.80 X
	Add GST on "X" (multiplying factor 0.1405)				142.02
	TOTAL				1152.81 Y
	Add 15% CPOH on "Y"				172.92
	TOTAL				1325.73 Z
	Add Cess @ 1% on "Z"				13.26
	Cost of 10 Sqm.				1338.99
	Cost per sqm.				133.90
	Say				133.90

5.25 Providing and fixing in position copper plate as per design for expansion joints.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.56 kg Considering 3.0 m length, width 250mm and 1.6 mm thick = 0.750 sqm copper plate. Weight of copper plate @ 14.08 kg/m ² = 10.56kg				
0967	Copper plate LABOUR	kilogram	10.56	527.00	5565.12
0103	Blacksmith 2nd class	day	0.25	714.00	178.50
9999	Sundries	L.S.	6.24	2.12	13.23
	TOTAL				5756.85 W
	Add 1 % Water charges on "W"				57.57
	TOTAL				5814.42 X
	Add GST on "X" (multiplying factor 0.1405)				816.93
	TOTAL				6631.34 Y
	Add 15% CPOH on "Y"				994.70
	TOTAL				7626.04 Z
	Add Cess @ 1% on "Z"				76.26
	Cost of 10.56 kg				7702.30
	Cost per kg.				729.38
	Say				729.40

5.26 Providing and filling in position, blown bitumen in expansion joints.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a joint of 300m length, 2.5cm width and 15cm depth = 1.125 cum Cubical content of joint- 300x0.025x0.150=1.125 cum.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL Bitumen 85/25 @ 1050kg per cum. $1.125 \times 1050\text{kg} = 1181.25\text{kg}$ Add wastage @ 5% = 59.06 kg. = 1240.31 = 1.240 tonne Blown type petroleum bitumen of penetration 85/25 of approved quality				
0313	Carriage of Tar/ bitumen	tonne	1.24	34790.00	43139.60
2211	Coal (steam)	tonne	1.24	163.93	203.27
0370	For heating of bitumen @ 2.0 quintal per tonne of bitumen. $1.240 \times 2.0 = 2.48\text{q} = 0.248\text{t}$	quintal	2.480	440.00	1091.20
2200	Carriage of steam coal	tonne	0.248	187.35	46.46
	LABOUR				
0123	Labour for heating, mixing and filling-				
0124	Mason (brick layer) 1st class	day	2.52	784.00	1975.68
0114	Mason (brick layer) 2nd class	day	2.52	714.00	1799.28
9999	Beldar	day	8.06	645.00	5198.70
	Sundries	L.S.	121.16	2.12	256.86
	TOTAL				53711.06 W
	Add 1 % Water charges on "W"				537.11
	TOTAL				54248.17 X
	Add GST on "X" (multiplying factor 0.1405)				7621.87
	TOTAL				61870.03 Y
	Add 15% CPOH on "Y"				9280.50
	TOTAL				71150.54 Z
	Add Cess @ 1% on "Z"				711.51
	Cost for 1.125 cum				71862.04
	cost for 1.00cum				63877.37
	Say				63877.35

5.27 Providing and filling in position bitumen mix filler of proportion 80 kg. of hot bitumen, 1 kg. of cement and 0.25 cubic metre of coarse sand for expansion joints.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a joint of 300m length,2.5cm width and 15cm depth = 1.125 cum Cubical content of joints- $300 \times 0.150 \times 0.025 = 1.125\text{cum.}$				
	MATERIAL				
0309	Bitumen S-90 = 256.30 kg per cum. $256.30 \times 1.125 = 288.34\text{ kg.}$ Add for wastage @ 5% = 14.42 kg. Total = 302.76 kg. or = 0.303 tonne.				
	Paving bitumen VG-10 of approved quality	tonne	0.303	25614.00	7761.04
2211	Carriage of Tar bitumen	tonne	0.303	163.93	49.67
0370	Coal (steam) for heating of bitumen @ 2.0 quintal per tonne of bitumen, i.e. $0.303 \times 2.0 = 0.606\text{q}$	quintal	0.606	440.00	266.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2200	Carriage of steam coal	tonne	0.061	187.35	11.43
0367	Portland Cement 1/80x288.34=3.6 kg = 0.0036 Tonne	tonne	0.0036	5000.00	18.00
2209	Carriage of Cement	tonne	0.0036	145.72	0.52
0982	Coarse sand (zone III) 1/4th of the quantity of cement in kg = 3.6/4= 0.90 cum	cum	0.90	1500.00	1350.00
2203	Carriage of Coarse sand LABOUR Labour for heating and filling :	cum	0.90	163.93	147.54
0123	Mason (brick layer) 1st class	day	2.52	784.00	1975.68
0124	Mason (brick layer) 2nd class	day	2.52	714.00	1799.28
0114	Beldar	day	8.06	645.00	5198.70
9999	Sundries	L.S.	121.16	2.12	256.86
	TOTAL				18835.36 W
	Add 1 % Water charges on "W"				188.35
	TOTAL				19023.72 X
	Add GST on "X" (multiplying factor 0.1405)				2672.83
	TOTAL				21696.55 Y
	Add 15% CPOH on "Y"				3254.48
	TOTAL				24951.03 Z
	Add Cess @ 1% on "Z"				249.51
	Cost for 1.125 cum				25200.54
	cost for 1.00cum				22400.48
	Say				22400.50

5.28 Providing and fixing in position 12mm thick bitumen impregnated fiber board conforming to IS: 1838, including cost of primer, sealing compound Grade-A in expansion joints.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0339	Details of cost for joint 100m long 10cm deep = 10 sqm MATERIAL (i) Impregnated fibre board $1 \times 100 \times 0.075 = 7.5 \text{ sqm}$ Flame retardent face insulating, Impregnated fibre board 12 mm thick (ii) Primer 80ml/litter 100m $= 100/80 \times 1 = 1.25 \text{ lit}$ Bitumen solution primer of approved quality (iii) Sealing compound @ 3 m per litre for 100m = $100/3 \times 1 = 33.3 \text{ litres}$ Wastage @ 5% = 1.67 Total = 35.00 litre (1 litre = 0.9 kg) = $35.00 \times 0.9 = 31.5 \text{ kg}$ Bitumen hot sealing compound : grade A Carriage	sqm litre kilogram L.S.	7.50 1.25 31.50 26.91	375.00 47.00 29.00 2.12	2812.50 58.75 913.50 57.05
0316					
0314					
9977					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	LABOUR				
0124	Mason (brick layer) 1st class	day	0.12	784.00	94.08
0114	Mason (brick layer) 2nd class	day	0.12	714.00	85.68
9999	Beldar	day	0.25	645.00	161.25
	Sundries	L.S.	26.91	2.12	57.05
	TOTAL				4239.86 W
	Add 1 % Water charges on "W"				42.40
	TOTAL				4282.26 X
	Add GST on "X" (multiplying factor 0.1405)				601.66
	TOTAL				4883.91 Y
	Add 15% CPOH on "Y"				732.59
	TOTAL				5616.50 Z
	Add Cess @ 1% on "Z"				56.17
	Cost for 100m long 10cm deep				5672.67
	Cost per cm depth per 100m long				567.27
	Say				567.25

5.29 Providing and fixing sheet covering over expansion joints with iron screws as per design.

5.29.1 Non-asbestos fibre cement board 6 mm thick as per IS: 14862.

5.29.1.1 150mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0236	Details of cost for 3m length MATERIAL				
2273	Non - Asbestos multi purpose fibre (high impact poly propylene reinforced) cement board 6mm thick. Carriage of A.C.sheet and accessories 0.45sqm = 0.0049 tonne	sqm tonne	0.47 0.0049	210.00 145.72	98.70 0.71
9999	50mm iron screws with washer and rawl plugs	L.S.	40.30	2.12	85.44
0112	LABOUR				
0114	Carpenter 2nd class	day	0.20	714.00	142.80
	Beldar	day	0.20	645.00	129.00
	TOTAL				456.65 W
	Add 1 % Water charges on "W"				4.57
	TOTAL				461.22 X
	Add GST on "X" (multiplying factor 0.1405)				64.80
	TOTAL				526.02 Y
	Add 15% CPOH on "Y"				78.90
	TOTAL				604.92 Z
	Add Cess @ 1% on "Z"				6.05
	Cost for 3 metre				610.97
	Cost per metre				203.66
	Say				203.65

5.29.1.2 200mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0236	Details of cost for 3m length MATERIAL Non - Asbestos multi purpose fibre (high impact poly propylene reinforced) cement board 6mm thick.				
2273	Carriage of A.C.sheet and accessories 0.60sqm. = 0.0065 tonne	sqm tonne	0.63 0.0065	210.00 145.72	132.30 0.95
9999	50mm iron screws with washer and rawl plugs LABOUR Carpenter 2nd class	L.S.	53.82	2.12	114.10
0112	Beldar	day	0.27	714.00	192.78
0114	TOTAL Add 1 % Water charges on "W"	day	0.27	645.00	174.15
					614.28 W
					6.14
					620.42 X
					87.17
					707.59 Y
					106.14
					813.73 Z
					8.14
					821.86
					273.95
					273.95
	Say				

5.29.2 Aluminium fluted strips 3.15 mm thick.

5.29.2.1 150 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2391	Details of cost for 1 meter MATERIAL Strips-Aluminium fluted 3.15mm thick and 150mm wide	metre	1.00	286.00	286.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.06	40.00	2.40
9977	Carriage of materials LABOUR	L.S.	1.04	2.12	2.20
0112	Carpenter 2nd class	day	0.067	714.00	47.84
0114	Beldar	day	0.067	645.00	43.22
9999	Sundries TOTAL Add 1 % Water charges on "W"	L.S.	1.82	2.12	3.86
					385.52 W
					3.86
					389.37 X
					54.71
					444.08 Y
					66.61
					510.69 Z
					5.11
					515.80
					515.80
	Say				

5.29.2.2 200 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2392	Details of cost for 1 meter MATERIAL Strips Aluminium fluted 3.15mm thick and 200mm wide metre	metre	1.00	381.00	381.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.06	40.00	2.40
9977	Carriage of materials	L.S.	1.30	2.12	2.76
0112	LABOUR Carpenter 2nd class	day	0.089	714.00	63.55
0114	Beldar	day	0.089	645.00	57.41
9999	Sundries	L.S.	2.34	2.12	4.96
	TOTAL				512.07 W
	Add 1 % Water charges on "W"				5.12
	TOTAL				517.19 X
	Add GST on "X" (multiplying factor 0.1405)				72.66
	TOTAL				589.85 Y
	Add 15% CPOH on "Y"				88.48
	TOTAL				678.33 Z
	Add Cess @ 1% on "Z"				6.78
	Cost for 1 metre				685.11
	Say				685.10

5.29.3 Cement bonded wood particle board 6mm thick as per IS : 14276

5.29.3.1 150 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0242	Details of cost for 3 metre MATERIAL: Multi purpose cement bonded wood particle board 6 mm thick	sqm	0.47	195.00	91.65
2273	Carriage of board and accessories $0.45 \text{ sqm} = 0.0049 \text{ tonne}$	tonne	0.0049	145.72	0.71
9999	50mm iron screws with washer and rawl plugs	L.S	40.30	2.12	85.44
0112	LABOUR: Carpenter 2nd class	day	0.20	714.00	142.80
0114	Beldar	day	0.20	645.00	129.00
	TOTAL				449.60 W
	Add 1 % Water charges on "W"				4.50
	TOTAL				454.10 X
	Add GST on "X" (multiplying factor 0.1405)				63.80
	TOTAL				517.90 Y
	Add 15% CPOH on "Y"				77.68
	TOTAL				595.58 Z
	Add Cess @ 1% on "Z"				5.96
	Cost of 3 metre				601.54
	Cost of 1 metre				200.51
	Say				200.50

5.29.3.2 200 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0242	Details of cost for 3m length MATERIAL:				
2273	Multi purpose cement bonded wood particle board 6 mm thick Carriage of board and accessories 0.60sqm = 0.0065 tonne	sqm tonne	0.63 0.0065	195.00 145.72	122.85 0.95
9999	50mm iron screws with washer and rawl plugs LABOUR:	L.S	53.82	2.12	114.10
0112	Carpenter 2nd class	day	0.27	714.00	192.78
0114	Beldar	day	0.27	645.00	174.15
	TOTAL				604.83 W
	Add 1 % Water charges on "W"				6.05
	TOTAL				610.87 X
	Add GST on "X" (multiplying factor 0.1405)				85.83
	TOTAL				696.70 Y
	Add 15% CPOH on "Y"				104.51
	TOTAL				801.21 Z
	Add Cess @ 1% on "Z"				8.01
	Cost of 3 metre				809.22
	Cost of 1 metre				269.74
	Say				269.75

5.30 Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for 30 metre long throating or plaster or moulding- LABOUR				
0124	Mason (brick layer) 1st class	day	0.50	784.00	392.00
0115	Mason (brick layer) 2nd class	day	0.50	714.00	357.00
9999	Coolie	day	1.00	645.00	645.00
	Add for materials (cement mortar etc.)	L.S.	26.91	2.12	57.05
	TOTAL				1451.05 W
	Add 1 % Water charges on "W"				14.51
	TOTAL				1465.56 X
	Add GST on "X" (multiplying factor 0.1405)				205.91
	TOTAL				1671.47 Y
	Add 15% CPOH on "Y"				250.72
	TOTAL				1922.19 Z
	Add Cess @ 1% on "Z"				19.22
	Cost for 30 metre				1941.41
	Cost per metre				64.71
	Say				64.70

5.31 Extra for laying reinforced cement concrete in or under water and/ or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.
Note For Item No. 5.31:- The quantity will be calculated by multiplying the depth measured from the subsoil water level up to the centre of gravity of the R.C.C. under subsoil water with the quantity of R.C.C. in cubic metre executed under subsoil water. The depth of centre of gravity shall be reckoned correct to 0.1 m. 0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored. No extra payment shall be made for placing reinforcement or centering & shuttering under sub - soil water conditions.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0011	Details of cost for depth of water 0.30m. Quantity of concrete = 14 cum. Analysis same as per item number 4.15 pumping hours = 3 hrs. or 0.375 day. Hire charges of Pumpset of capacity 4000 litres/hour. for cleaning slush				
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 14cum. per 0.30m depth Cost of cum. per m depth Say	day day	0.375 4.00	700.00 645.00	262.50 2580.00 2842.50 W 28.43 2870.93 X 403.36 3274.29 Y 491.14 3765.43 Z 37.65 3803.09 905.50 905.50

5.32 Extra for laying reinforced cement concrete in or under foul positions.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for depth of water 0.30m. Details of cost for 1 cum. ANALYSIS SAME AS ITEM NO 4.16 Extra labour due to slow progress-				
0124	Mason (brick layer) 1st class	day	0.02	784.00	15.68
0114	Mason (brick layer) 2nd class	day	0.02	714.00	14.28
0115	Beldar Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 cum. Say	day day day day	0.25 0.15	645.00 645.00	161.25 96.75 287.96 W 2.88 290.84 X 40.86 331.70 Y 49.76 381.46 Z 3.81 385.27 385.25

5.33 Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.

Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately.

In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.

5.33.1 All works upto plinth level

5.33.1.1 Concrete of M25 grade with minimum cement content of 330 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.33	5000.00	1650.00
2209	Carriage of Cement	tonne	0.33	145.72	48.09
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	1.65	29.00	47.85
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc. LABOUR Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	L.S.	13.00	2.12	27.56 6490.44 W 64.90 6555.34 X 921.03 7476.37 Y 1121.46 8597.82 Z 85.98 8683.80 8683.80

5.33.1.2 Concrete of M30 grade with minimum cement content of 350 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.35	5000.00	1750.00
2209	Carriage of Cement	tonne	0.35	145.72	51.00
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	1.75	29.00	50.75
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc. LABOUR Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	L.S.	13.00	2.12	27.56 6596.25 W 65.96 6662.22 X 936.04 7598.26 Y 1139.74 8738.00 Z 87.38 8825.37 8825.35

5.33.1.3 Concrete of M35 grade with minimum cement content of 370 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.37	5000.00	1850.00
2209	Carriage of Cement	tonne	0.37	145.72	53.92
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	1.85	29.00	53.65
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc. LABOUR Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	L.S.	13.00	2.12	27.56 6702.07 W 67.02 6769.09 X 951.06 7720.14 Y 1158.02 8878.17 Z 88.78 8966.95 8966.95

5.33.1.4 Concrete of M40 grade with minimum cement content of 390 kg/cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.39	5000.00	1950.00
2209	Carriage of Cement	tonne	0.39	145.72	56.83
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	1.95	29.00	56.55
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	210.00	210.00
	LABOUR				
0155	Labour for pouring, consolidating & curing	day	0.17	749.00	127.33
0114	Mason (average)	day	2.00	645.00	1290.00
0101	Beldar	day	0.90	714.00	642.60
0012	Bhisti	day	0.07	350.00	24.50
9999	Vibrator(Needle type 40mm)	day			
	Sundries	L.S.	13.00	2.12	27.56
	TOTAL				6807.88 W
	Add 1 % Water charges on "W"				68.08
	TOTAL				6875.96 X
	Add GST on "X" (multiplying factor 0.1405)				966.07
	TOTAL				7842.03 Y
	Add 15% CPOH on "Y"				1176.30
	TOTAL				9818.34 Z
	Add Cess @ 1% on "Z"				90.18
	Cost per 1.00 cum				9108.52
	Say				9108.50

5.33.1.5 Concrete of M50 grade with minimum cement content of 410 kg/cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.41	5000.00	2050.00
2209	Carriage of Cement	tonne	0.41	145.72	59.75
7318	Plasticizer / super plasticizer 0.50% of cement	kilogram	2.05	29.00	59.45
0004	Production cost, pumping to respective floors and laying in position	cum	1.00	400.00	400.00
0009	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	210.00	210.00
	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.				
	LABOUR				
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	2.12	27.56
	TOTAL				6913.70 W
	Add 1 % Water charges on "W"				69.14
	TOTAL				6982.83 X
	Add GST on "X" (multiplying factor 0.1405)				981.09
	TOTAL				7963.92 Y
	Add 15% CPOH on "Y"				1194.59
	TOTAL				9158.51 Z
	Add Cess @ 1% on "Z"				91.59
	Cost per 1.00 cum				9250.09
	Say				9250.10

5.33.2 All works above plinth level upto floor V level

5.33.2.1 Concrete of M25 grade with minimum cement content of 330 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.33	5000.00	1650.00
2209	Carriage of Cement	tonne	0.33	145.72	48.09

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	1.65	29.00	47.85
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc. Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries (Extra labour for lifting material upto floor V level : = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	day	1.88	645.00	1212.60 7703.04 W 77.03 7780.07 X 1093.10 8873.17 Y 1330.98 10204.14 Z 102.04 10306.19 10306.20

5.33.2.2 Concrete of M30 grade with minimum cement content of 350 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.35	5000.00	1750.00
2209	Carriage of Cement	tonne	0.35	145.72	51.00
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	1.75	29.00	50.75
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries (Extra labour for lifting material upto floor V level : = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56
0115	Coolie	day	1.88	645.00	1212.60
	TOTAL				7808.85 W
	Add 1 % Water charges on "W"				78.09
	TOTAL				7886.94 X
	Add GST on "X" (multiplying factor 0.1405)				1108.12
	TOTAL				8995.06 Y
	Add 15% CPOH on "Y"				1349.26
	TOTAL				10344.32 Z
	Add Cess @ 1% on "Z"				103.44
	Cost per 1.00 cum				10447.76
	Say				10447.75

5.33.2.3 Concrete of M35 grade with minimum cement content of 370 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.37	5000.00	1850.00
2209	Carriage of Cement	tonne	0.37	145.72	53.92
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	1.85	29.00	53.65
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries (Extra labour for lifting material upto floor V level : = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	day	1.88	645.00	1212.60 7914.67 W 79.15 7993.81 X 1123.13 9116.94 Y 1367.54 10484.49 Z 104.84 10589.33 10589.35

5.33.2.4 Concrete of M40 grade with minimum cement content of 390 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.39	5000.00	1950.00
2209	Carriage of Cement	tonne	0.39	145.72	56.83
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	1.95	29.00	56.55
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	210.00	210.00
0155	Labour for pouring, consolidating & curing	day	0.17	749.00	127.33
0114	Mason (average)	day	2.00	645.00	1290.00
0101	Beldar	day	0.90	714.00	642.60
0012	Bhisti	day	0.07	350.00	24.50
9999	Vibrator(Needle type 40mm) Sundries (Extra labour for lifting material upto floor V level : = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	day	1.88	645.00	1212.60 8020.48 W 80.20 8100.69 X 1138.15 9238.83 Y 1385.82 10624.66 Z 106.25 10730.90 10730.90

5.33.2.5 Concrete of M50 grade with minimum cement content of 410 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1400.00	798.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III)	cum	0.425	1500.00	637.50
2203	Carriage of Coarse sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.41	5000.00	2050.00
2209	Carriage of Cement	tonne	0.41	145.72	59.75
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	2.05	29.00	59.45
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc. Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries (Extra labour for lifting material upto floor V level : = $0.75 \times 2.5 = 1.88$)	L.S.	13.00	2.12	27.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per 1.00 cum Say	day	1.88	645.00	1212.60 8126.30 W 81.26 8207.56 X 1153.16 9360.72 Y 1404.11 10764.83 Z 107.65 10872.48 10872.50

5.33A **Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources and using recycled concrete aggregate (RCA) as coarse aggregate and fine aggregate within permissible utilization of 20% each, Portland Pozzolana /Ordinary Portland/Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.**

Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately.

In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.

5.33A.1 All works upto plinth level

5.33A.1.1 Concrete of M25 grade with minimum cement content of 330 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.456	1400.00	638.50
0279	Recycled concrete aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.224	1350.00	302.40
0281	Recycled concrete aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59
2202	Carriage of Stone aggregate including recycled concrete aggregate (RCA) below 40 mm nominal size	cum	0.85	163.93	139.34
0982	Coarse sand (zone III) derived from natural source	cum	0.34	1500.00	510.00
0278	Manufactured sand derived from recycled concrete aggregate	cum	0.085	741.00	62.99

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	163.93	69.67
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.33	5000.00	1650.00
2209	Carriage of Cement	tonne	0.33	145.72	48.09
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	1.65	29.00	47.85
0004	Production cost of concrete by batch mix plant/ ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	210.00	210.00
	LABOUR				
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	2.12	27.56
	TOTAL				6353.41 W
	Add 1 % Water charges on "W"				63.53
	TOTAL				6416.95 X
	Add GST on "X" (multiplying factor 0.1405)				901.58
	TOTAL				7318.53 Y
	Add 15% CPOH on "Y"				1097.78
	TOTAL				8416.31 Z
	Add Cess @ 1% on "Z"				84.16
	Cost per 1.00 cum				8500.47
	Say				8500.45

5.33A.2 All works above plinth level up to floor V level

5.33A.2.1 Concrete of M25 grade with minimum cement content of 330 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.456	1400.00	638.40
0279	Recycled concrete aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.224	1350.00	302.40
0281	Recycled concrete aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59
2202	Carriage of Stone aggregate including recycled concrete aggregate (RCA) below 40 mm nominal size	cum	0.85	163.93	139.34

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0982	Coarse sand (zone III) derived from natural source	cum	0.34	1500.00	510.00
0278	Manufactured sand derived from recycled concrete aggregate	cum	0.085	741.00	62.99
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	163.93	69.99
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.33	5000.00	1650.00
2209	Carriage of Cement	tonne	0.33	145.72	48.09
7318	Plasticizer / super plasticizer 0.50% of cement Production cost, pumping to respective floors and laying in position	kilogram	1.65	29.00	47.85
0004	Production cost of concrete by batch mix plant/ ready mixed plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	210.00	210.00
	LABOUR				
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	749.00	127.33
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.90	714.00	642.60
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	2.12	27.56
	"Extra labour for lifting up to floor five level "0.75 x 2.5 = 1.88"				
0115	Coolie	day	1.88	645.00	1212.60
	TOTAL				7566.01 W
	Add 1 % Water charges on "W"				75.66
	TOTAL				7641.67 X
	Add GST on "X" (multiplying factor 0.1405)				1073.66
	TOTAL				8715.33 Y
	Add 15% CPOH on "Y"				1307.30
	TOTAL				10022.63 Z
	Add Cess @ 1% on "Z"				100.23
	Cost per 1.00 cum				10122.85
	Say				10122.85

5.35 Add for using extra cement in the items of design mix over and above the specified cement content therein.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Details of cost for 1 quintal Portland Cement	tonne	0.10	5000.00	500.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of Cement TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per quintal Say	tonne	0.10	145.72	14.57 514.57 W 5.15 519.72 X 73.02 592.74 Y 88.91 681.65 Z 6.82 688.47 688.45

5.36 Providing and placing in position precast reinforced cement concrete waffle units, square or rectangular, as per design and shape for floors and roofs in 1:1½:3 (1 Cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 10 mm nominal size derived from natural sources), including flush or deep ruled pointing at joints in Cement mortar 1:2 (1 Cement : 2 Fine sand), making necessary holes of required sizes for carrying through service lines etc., providing steel hooks for lifting etc, form work in precasting, handling, hoisting, centering and erection complete for all floor levels but, excluding the cost of reinforcement.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.2.2	Details of cost for 1.38 cum Consider a waffle 0.9 x 0.9 x 0.3m Total area covered 4.548x3.636 = 16.54 sqm. Cement concrete in 1 unit Top 0.8x0.8x0.035 = 0.0224 Sides 2(0.8x0.265x0.0325) = 0.0138 2(0.735x0.265x0.0325) = 0.0127 Total = 0.0489 Flange 4x0.85x0.05x0.035 = 0.0060 Total = 0.0549 Add for Fillets 25% = 0.0137 Total = 0.069 cum. Quantity for 20 such units = 1.38 cum. Rate as per item no 5.2.2 of SH : RCC (i) Shuttering and centring Face in contact 4x0.8x0.265 = 0.848 Inner 4x0.735x0.265 = 0.779 Top (inside) 1x0.735x0.735 = 0.540 Flange 4x0.9x0.035 = 0.126 Total = 2.293 sqm.	cum	1.38	10185.05	14055.37 A
5.9.15	Quantity 20 such units 45.86 sqm. Rate as per item no 5.9.15 of SH : RCC Hooks for lifting 2x1.5 = 3.0m 4x0.01 = 0.04m Total = 3.04m @ 3kg per m-9.12Kg or 0.009 t = 9 kg	sqm	45.86	307.95	14122.59 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.2 9988	Rate as per item no 10.2 of SH : Steel work (iii) 10mm dia. Bolts 60mm long with nuts and washers 2x2 = 4 Nos. including carriage of bolts	kg	9.00	111.95	1007.55 A
9999	Sundries (iv) Transportation and erection labour for 20 units	L.S.	13.00	2.12	27.56
0126	Mason (for ornamental stone work)	L.S.	79.95	2.12	169.49
0114	1st class Beldar	day	1.00	784.00	784.00
	(v) Cost of pointing flush or deep ruled in cement mortar 1:2 (1 Cement : 2 fine sand)	day	6.00	645.00	3870.00
13.35.1	Rate as per item no 13.35.1 of SH : Finishing	sqm	16.54	177.85	2941.64 A
	TOTAL				36978.20 W
	Add 1 % Water charges on "W-A"				48.51
	TOTAL				37026.71 X
	Add GST on "X-A" (multiplying factor 0.1405)				688.39
	TOTAL				37715.10 Y
	Add 15% CPOH on "Y-A"				838.19
	TOTAL				38553.29 Z
	Add Cess @ 1% on "Z-A"				64.26
	Total for 20 units				38617.55
	Cost for 1.38 cum.				38617.55
	Cost for 1 cum.				27983.73
	Say				27983.75

5.36A Providing and placing in position precast reinforced cement concrete waffle units, square or rectangular as per design and shape for floors and roofs in 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 10 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%), including flush or deep ruled pointing at joints in cement mortar 1:2 (1 cement : 2 Fine sand), making necessary holes of required sizes for carrying through service lines etc., providing steel hooks for lifting etc, form work in precasting, handling, hoisting, centering and erection complete for all floor levels but excluding the cost of reinforcement.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.38 cum Consider a waffle 0.9 x 0.9 x 0.3m Total area covered 4.548 x 3.636 = 16.54 sqm. Cement concrete in 1unit Top 0.8 x 0.8 x 0.035 = 0.0224 sides 2(0.8 x 0.265 x 0.0325) = 0.01382 (0.735 x 0.265 x 0.0325) = 0.0127 Total = 0.0489				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.2.2A	Flange 4 x 0.85 x 0.05 x 0.035 = 0.0060 Total = 0.0549 Add for Fillets 25% = 0.0137 Total = 0.069 cum. Quantity for 20 such units = 1.38 cum Rate as per Item Number 5.2.2A of SH: Reinforced cement concrete work (i) Shuttering and centring Face in contact 4 x 0.8 x 0.265 = 0.848 Inner 4 x 0.735 x 0.265 = 0.779 Top (inside) 1 x 0.735 x 0.735 = 0.540 Flange 4 x 0.9 x 0.035 = 0.126 Total = 2.293 sqm. Quantity 20 such units 45.86 sqm	cum	1.38	10001.70	13802.35 A
5.9.15	Rate as per Item Number 5.9.15 of SH: Reinforced cement concrete work Hooks for lifting 2 x 1.5 = 3.0 m 4 x 0.01 = 0.04 m = 3.04 m @ 3 kg per m 9.12 kg or 0.009 t (ii) 10 mm dia. Bolts 60 mm long with nuts and washers 2 x 2 = 4Nos	sqm	45.86	307.95	14122.59 A
10.2	Rate as per Item Number 10.2 of SH: Steel work	kg	9.00	111.95	1007.55 A
9999	Including carriage of bolts	L.S.	13.00	2.12	27.56
9999	Sundries	L.S.	79.95	2.12	169.49
0126	(iv) Transportation and erection labour for 20 units				
	Mason (for ornamental stone work)				
0114	1 st class	day	1.00	784.00	784.00
	Beldar	day	6.00	645.00	3870.00
	(v) Cost of pointing flush or deep ruled in cement mortar 1:2 (1 Cement : 2 fine sand)				
13.35.1	Rate as per Item Number 13.35.1 of SH: Finishing	sqm	16.54	177.85	2941.64 A
	Total				36725.18 W
	Add 1 % Water charges on "W-A"				48.51
	TOTAL				36773.69 X
	Add GST on "X-A" (multiplying factor 0.1405)				688.39
	TOTAL				37462.08 Y
	Add 15% CPOH on "Y-A"				838.19
	TOTAL				38300.27 Z
	Add Cess @ 1% on "Z-A"				64.26
	Cost of 1.38 cum				38364.53
	Cost of 1 cum				27800.38
	Say				27800.40

5.38 Extra for R.C.C./ B.M.C/ R.M.C. work above floor V level for each four floors or part thereof.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0009	Details of cost for 1 cum MATERIAL Pumping charges of concrete including Hire charges of pump, piping work & accessories etc TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 cum Say	cum	1.00	210.00	210.00 210.00 W 2.10 212.10 X 29.80 241.90 Y 36.29 278.19 Z 2.78 280.97 280.95

5.41 Supplying and applying pre tested and approved water based concrete curing compound to concrete/ masonry surface, all as per manufacturer's specification and direction of Engineer-in-charge.

5.41.1 Non pigmented wet curing compound

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0349	Detail of cost for 10.00 sqm (covering area 5 sqm/litre)				
9977	MATERIAL Curing compound	litre	2.00	38.00	76.00
	Carriage of material	L.S.	1.00	2.12	2.12
0131	LABOUR Painter	day	0.33	714.00	235.62
0114	Beldar	day	0.17	645.00	109.65
9999	Sundries, Brush	L.S.	3.00	2.12	6.36
	TOTAL				429.75 W
	Add 1 % Water charges on "W"				4.30
	TOTAL				434.05 X
	Add GST on "X" (multiplying factor 0.1405)				60.98
	TOTAL				495.03 Y
	Add 15% CPOH on "Y"				74.25
	TOTAL				569.29 Z
	Add Cess @ 1% on "Z"				5.69
	Cost of 10 sqm				574.98
	Cost of 1 sqm				57.50
	Say				57.50

5.42 Providing and fixing parallel threaded couplers conforming to IS code on "Reinforcement Couplers for Mechanical Splices of Bars for Concrete Reinforcement - Specification", to reinforcement bars including threading, enlargement at connection by forging, protecting the prepared reinforcement bars and related operations as required to complete the works per direction of Engineer-in-Charge.

5.42.1 Coupler for 16 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2394	Detail of cost for 1 Nos MATERIAL Coupler 16 mm dia	each	1.00	31.00	31.00
9999	LABOUR For placing in position and fixing	L.S.	3.77	2.12	7.99
9999	Tapard/Parallel threading charges	L.S.	17.77	2.12	37.67
	TOTAL				76.66 W
	Add 1 % Water charges on "W"				0.77
	TOTAL				77.43 X
	Add GST on "X" (multiplying factor 0.1405)				10.88
	TOTAL				88.31 Y
	Add 15% CPOH on "Y"				13.25
	TOTAL				101.56 Z
	Add Cess @ 1% on "Z"				1.02
	Cost of 1 no				102.57
	Say				102.55

5.42.2 Coupler for 20 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2395	Detail of cost for 1 Nos MATERIAL Coupler 20 mm dia	each	1.00	41.00	41.00
9999	LABOUR For placing in position and fixing	L.S.	5.90	2.12	12.51
9999	Tapard/Parallel threading charges	L.S.	25.17	2.12	53.36
	TOTAL				106.87 W
	Add 1 % Water charges on "W"				1.07
	TOTAL				107.94 X
	Add GST on "X" (multiplying factor 0.1405)				15.17
	TOTAL				123.10 Y
	Add 15% CPOH on "Y"				18.47
	TOTAL				141.57 Z
	Add Cess @ 1% on "Z"				1.42
	Cost of 1 no				142.98
	Say				143.00

5.42.3 Coupler for 25 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2396	Detail of cost for 1 Nos MATERIAL Coupler 25 mm dia	each	1.00	72.00	72.00
9999	LABOUR For placing in position and fixing	L.S.	8.69	2.12	18.42
9999	Tapard/Parallel threading charges	L.S.	29.61	2.12	62.77
	TOTAL				153.20 W
	Add 1 % Water charges on "W"				1.53
	TOTAL				154.73 X
	Add GST on "X" (multiplying factor 0.1405)				21.74
	TOTAL				176.47 Y
	Add 15% CPOH on "Y"				26.47
	TOTAL				202.94 Z
	Add Cess @ 1% on "Z"				2.03
	Cost of 1 no				204.97
	Say				204.95

5.42.4 Coupler for 28 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2397	Detail of cost for 1 Nos MATERIAL Coupler 28 mm dia	each	1.00	83.00	83.00
9999	LABOUR For placing in position and fixing	L.S.	12.84	2.12	27.22
9999	Tapard/Parallel threading charges	L.S.	32.57	2.12	69.05
	TOTAL				179.27 W
	Add 1 % Water charges on "W"				1.79
	TOTAL				181.06 X
	Add GST on "X" (multiplying factor 0.1405)				25.44
	TOTAL				206.50 Y
	Add 15% CPOH on "Y"				30.98
	TOTAL				237.48 Z
	Add Cess @ 1% on "Z"				2.37
	Cost of 1 no				239.85
	Say				239.85

5.42.5 Coupler for 32 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2398	Detail of cost for 1 Nos MATERIAL Coupler 32 mm dia	each	1.00	114.00	114.00
9999	LABOUR For placing in position and fixing	L.S.	15.48	2.12	32.82

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Tapard/Parallel threading charges TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	L.S.	32.57	2.12	69.05 215.87 W 2.16 218.02 X 30.63 248.66 Y 37.30 285.96 Z 2.86 288.82 288.80

5.43 Providing and fixing in position Stainless steel Grade 304 plate-1.0 mm thick as per design for expansion joints.

5.43.1 200 mm wide.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2393	Detail of cost for 1 metre MATERIAL 1 mm thick Stainless Steel Cover plate grade 304	kg	1.60	286.00	457.60
8647	Stainless steal screws 30mm x4mm.	100 nos	0.06	35.84	2.15
9977	Carriage of material LABOUR	L.S.	1.30	2.12	2.76
0103	Blacksmith 2nd class	day	0.067	714.00	47.84
0114	Beldar	day	0.067	645.00	43.22
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 metre Say	L.S.	2.34	2.12 79.26 643.36 Y 96.50 739.87 Z 7.40 747.27 747.25	4.96 558.52 W 5.59 564.11 X 79.26 643.36 Y 96.50 739.87 Z 7.40 747.27 747.25

5.43.2 300 mm wide.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2393	Detail of cost for 1 metre MATERIAL 1 mm thick Stainless Steel Cover plate grade 304	kg	2.40	286.00	686.40
8647	Stainless steal screws 30mm x4mm.	100 nos	0.06	35.84	2.15
9977	Carriage of material LABOUR	L.S.	1.30	2.12	2.76
0103	Blacksmith 2nd class	day	0.067	714.00	47.84
0114	Beldar	day	0.067	645.00	43.22

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 metre Say	L.S.	2.34	2.12	4.96 787.32 W 7.87 795.19 X 111.72 906.92 Y 136.04 1042.96 Z 10.43 1053.39 1053.40

5.44 Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base members, self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical location in load application areas that accommodates multi directional seismic movement without stress to its components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self- centering arrangement that freely rotates / moves in all directions. The Self - centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer -in-Charge. (Material shall confirm to ASTM 6063).

5.44.1 Floor Joint of 100 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2403	Details of Cost of 1 metre. MATERIALS : Floor Joint of 100 mm	metre	1.00	3193.00	3193.00
2402	Epoxy adhesive	kg	4.25	156.00	663.00
9977	Carriage	L.S.	124.90	2.12	264.79
0102	LABOUR : Blacksmith 1st class	day	0.05	784.00	39.20
0123	Mason (brick layer) 1st class	day	0.10	784.00	78.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 metre. Say	day	0.15	645.00	96.75 4335.14 W 43.35 4378.49 X 615.18 4993.67 Y 749.05 5742.72 Z 57.43 5800.14 5800.15

5.44.2 Floor Joint of 150 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2404	Details of Cost of 1 metre. MATERIALS : Floor Joint of 150 mm	metre	1.00	4120.00	4120.00
2402	Epoxy adhesive	kg	4.50	156.00	702.00
9977	Carriage	L.S.	124.90	2.12	264.79
0102	LABOUR : Blacksmith 1st class	day	0.05	784.00	39.20
0123	Mason (brick layer) 1st class	day	0.10	784.00	78.40
0114	Beldar	day	0.15	645.00	96.75
	TOTAL Add 1 % Water charges on "W"				5301.14 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				53.01
	TOTAL Add 15% CPOH on "Y"				5354.15 X
	TOTAL Add Cess @ 1% on "Z"				752.26
	Cost of 1 metre.				6106.41 Y
	Say				915.96
					7022.37 Z
					70.22
					7092.59
					7092.60

5.44.3 Floor Joint of 200 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2405	Details of Cost of 1 metre. MATERIALS : Floor Joint of 200 mm	metre	1.00	5562.00	5562.00
2402	Epoxy adhesive	kg	4.75	156.00	741.00
9977	Carriage	L.S.	124.90	2.12	264.79
0102	LABOUR : Blacksmith 1st class	day	0.05	784.00	39.20
0123	Mason (brick layer) 1st class	day	0.10	784.00	78.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 metre. Say	day	0.15	645.00	96.75 6782.14 W 67.82 6849.96 X 962.42 7812.38 Y 1171.86 8984.24 Z 89.84 9074.08 9074.10

5.45 Providing and fixing of expansion joint system related with wall joint (internal/ external) location as per drawings and direction of Engineer-In- Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221- 02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall confirm to ASTM 6063).

5.45.1 Wall Joint of 100 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2409	Details of Cost of 1 metre. MATERIALS : Wall Joint of 100 mm	metre	1.00	2472.00	2472.00
2402	Epoxy adhesive	kg	4.25	156.00	663.00
9977	Carriage	L.S.	124.90	2.12	264.79
0102	LABOUR : Blacksmith 1st class	day	0.05	784.00	39.20
0123	Mason (brick layer) 1st class	day	0.10	784.00	78.40
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 metre. Say	day	0.15	645.00 3614.14 W 36.14 3650.28 X 512.86 4163.14 Y 624.47 4787.62 Z 47.88 4835.49 4835.50	96.75 36.14 3650.28 X 512.86 4163.14 Y 624.47 4787.62 Z 47.88 4835.49 4835.50

5.45.2 Wall Joint of 150 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre. MATERIALS : 2410 Wall Joint of 150 mm 2402 Epoxy adhesive 9977 Carriage LABOUR : 0102 Blacksmith 1st class 0123 Mason (brick layer) 1st class 0114 Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 metre. Say				
		metre	1.00	2884.00	2884.00
		kg	4.50	156.00	702.00
		L.S.	124.90	2.12	264.79
		day	0.05	784.00	39.20
		day	0.10	784.00	78.40
		day	0.15	645.00	96.75
					4065.14 W
					40.65
					4105.79 X
					576.86
					4682.65 Y
					702.40
					5385.05 Z
					53.85
					5438.90
					5438.90

5.45.3 Wall Joint of 200 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre. MATERIALS : 2411 Wall Joint of 200 mm 2402 Epoxy adhesive 9977 Carriage LABOUR : 0102 Blacksmith 1st class 0123 Mason (brick layer) 1st class 0114 Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 metre. Say				
		metre	1.00	3468.00	3468.00
		kg	4.75	156.00	741.00
		L.S.	124.90	2.12	264.79
		day	0.05	784.00	39.20
		day	0.10	784.00	78.40
		day	0.15	645.00	96.75
					4688.14 W
					46.88
					4735.02 X
					665.27
					5400.29 Y
					810.04
					6210.33 Z
					62.10
					6272.44
					6272.45

5.46 Providing and fixing of expansion joint system of approved make and manufactures for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arrangement support plates as per ASTM B221-02. The system shall be such that it provides watertight roof to roof/roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of metal profile that incorporates a universal aluminum base member designed to accommodate various project conditions and roof treatments. The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resist damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. (Material shall conform to ASTM 6063).

5.46.1 Roof Joint of 100 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2399	Details of Cost of 1 metre.				
2402	MATERIALS :				
9977	Complete Roof Joint of 100 mm	metre	1.00	2912.00	2912.00
	Epoxy adhesive	kg	4.25	156.00	663.00
	Carriage	L.S.	124.90	2.12	264.79
0102	LABOUR :				
0123	Blacksmith 1st class	day	0.05	784.00	39.20
0114	Mason (brick layer) 1st class	day	0.10	784.00	78.40
	Beldar	day	0.15	645.00	96.75
	TOTAL				4054.14 W
	Add 1 % Water charges on "W"				40.54
	TOTAL				4094.68 X
	Add GST on "X" (multiplying factor 0.1405)				575.30
	TOTAL				4669.98 Y
	Add 15% CPOH on "Y"				700.50
	TOTAL				5370.48 Z
	Add Cess @ 1% on "Z"				53.70
	Cost of 1 metre.				5424.18
	Say				5424.20

5.46.2 Roof Joint of 150 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2400	Details of Cost of 1 metre.				
2402	MATERIALS :				
9977	Complete Roof Joint of 150 mm	metre	1.00	3328.00	3328.00
	Epoxy adhesive	kg	4.50	156.00	702.00
	Carriage	L.S.	124.90	2.12	264.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0102	LABOUR :				
0123	Blacksmith 1st class	day	0.05	784.00	39.20
0114	Mason (brick layer) 1st class	day	0.10	784.00	78.40
	Beldar	day	0.15	645.00	96.75
	TOTAL				4509.14 W
	Add 1 % Water charges on "W"				45.09
	TOTAL				4554.23 X
	Add GST on "X" (multiplying factor 0.1405)				639.87
	TOTAL				5194.10 Y
	Add 15% CPOH on "Y"				779.11
	TOTAL				5973.21 Z
	Add Cess @ 1% on "Z"				59.73
	Cost of 1 metre.				6032.95
	Say				6032.95

5.46.3 Roof Joint of 200 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre.				
	MATERIALS :				
2401	Complete Roof Joint of 200 mm	metre	1.00	4160.00	4160.00
2402	Epoxy adhesive	kg	4.75	156.00	741.00
9977	Carriage	L.S.	124.90	2.12	264.79
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	784.00	39.20
0123	Mason (brick layer) 1st class	day	0.10	784.00	78.40
0114	Beldar	day	0.15	645.00	96.75
	TOTAL				5380.14 W
	Add 1 % Water charges on "W"				53.80
	TOTAL				5433.94 X
	Add GST on "X" (multiplying factor 0.1405)				763.47
	TOTAL				6197.41 Y
	Add 15% CPOH on "Y"				929.61
	TOTAL				7127.02 Z
	Add Cess @ 1% on "Z"				71.27
	Cost of 1 metre.				7198.29
	Say				7198.30

- 5.47 Providing and fixing in position factory made precast RCC M-40 fixing with hold fast embedded in 1:3:6 concrete block for doors and windows frames having excellent smooth finish as per IS: 6523 with reinforcement of 3 Nos, 6 mm dia main bars tied with 3 mm M.S stirrups placed @ 200 mm C/C and 6 numbers high strength polymer blocks of required size for fixing hinges including providing 6 no specially designed M.S. galvanised sleeves for accomodating 6 mm dia fully threaded bolts for fixing hold fast on vertical members, providing suitable arrangement for recieving sliding door bolts and tower bolt etc. all complete, as per the direction of Engineer-in-charge. The frame shall be measured in running metre correct to two places of decimal.

5.47.1 Door frame 125 mmx 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.33.1.4	Details of cost for 5.20 metre. MATERIAL Rate as per Item No.5.33.1.4 of SH: REINFORCED CEMENT CONCRETE	cum	0.039	9108.50	355.23 P
1005 0596	Extra for scatter and smaller work @25 % i.e. Px0.25 Twisted steel/ deformed bars Bright finished or black enameled	quintal	0.0468	4900.00	88.81 R 229.32
4.3.3	mild steel butt hinges 75x47x1.70 mm	10 Nos	0.60	56.00	33.60
14.2.1	Rate as per Item No.4.3.3 of SH: CONCRETE WORK	sqm	1.27	804.25	1021.40 A
13.48.2	Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS	each	1.00	1505.30	1505.30 A
9999	Rate as per Item No.13.48.2 of SH. FINISHING Sundries TOTAL Add 1 % Water charges on "W-A-P-R" TOTAL Add GST on "X-A-P-R" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A-P-R" TOTAL Add Cess @ 1% on "Z-A-P-R" Cost of 5.20 metre Cost of 1 metre Say	sqm L.S.	1.27 100.67	144.90 2.12	184.02 A 213.42 3631.10 W 4.76 3635.86 X 67.60 3703.46 Y 82.30 3785.76 Z 6.31 3792.07 729.24 729.25

5.47.2 Door frame 100 mmx 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.33.1.4	Details of cost for 5.20 metre. MATERIAL Rate as per Item No.5.33.1.4 of SH: REINFORCED CEMENT CONCRETE	cum	0.031	9108.50	282.36 P
1005 0596	Extra for scatter and smaller work @25 % i.e. Px0.25 Twisted steel/ deformed bars Bright finished or black enameled	quintal	0.0372	4900.00	70.59 R 182.28
4.3.3	mild steel butt hinges 75x47x1.70 mm	10 Nos	0.60	56.00	33.60
14.2.1	Rate as per Item No.4.3.3 of SH: CONCRETE WORK	sqm	1.14	804.25	916.85 A
13.48.2	Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS Rate as per Item No.13.48.2 of SH. FINISHING	each	1.00	1505.30	1505.30 A
		sqm	1.14	144.90	165.19 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W-A-P-R" TOTAL Add GST on "X-A-P-R" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A-P-R" TOTAL Add Cess @ 1% on "Z-A-P-R" Cost of 5.20 metre Cost of 1 metre Say	L.S.	100.67	2.12	213.42 3369.59 W 4.29 3373.88 X 70.84 3444.72 Y 75.66 3520.38 Z 5.80 3526.18 678.11 678.10

5.47.3 Door frame 85 mmx60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.33.1.4	Details of cost for 5.20 metre. MATERIAL Rate as per Item No.5.33.1.4 of SH: REINFORCED CEMENT CONCRETE Extra for scatter and smaller work @25 % i.e. Px0.25	cum	0.027	9108.50	245.93 P
1005	Twisted steel/ deformed bars	quintal	0.0324	4900.00	61.48 R
0596	Bright finished or black enameled mild steel butt hinges 75x47x1.70 mm	10 Nos	0.60	56.00	158.76
4.3.3	Rate as per Item No.4.3.3 of SH: CONCRETE WORK	sqm	1.07	804.25	33.60
14.2.1	Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS	each	1.00	1505.30	860.55 A
13.48.2	Rate as per Item No.13.48.2 of SH. FINISHING	sqm	1.07	144.90	155.04 A
9999	Sundries TOTAL Add 1 % Water charges on "W-A-P-R" TOTAL Add GST on "X-A-P-R" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A-P-R" TOTAL Add Cess @ 1% on "Z-A-P-R" Cost of 5.20 metre Cost of 1 metre Say	L.S.	100.67	2.12 4.06 3238.14 X 57.58 3295.72 Y 70.11 3365.84 Z 5.38 3371.21 648.31 648.30	213.42 3234.08 W

5.48 Providing and laying Reinforced cement concrete for construction of piers, abutments, portal frames, pier caps and bearing pedestals and seismic arresters over pier/ abutment caps at all locations with specified grade using Ordinary Portland Cement (conforming to strength requirement of IS:8112) including the cost of steel centering and shuttering etc. complete, including testing of materials etc. for casting pier & pier cap in one/two stage, necessary tools, plants, machinery and all related operations as required to complete the work as per drawings and Specifications with all leads, lifts and depths true to level and position but excluding the cost of providing reinforcement. Reinforcement shall be measured and paid separately.

Note:- Cement content considered in this item is 480 Kg./ Cum. Excess/ less cement used as per design mix is payable/ recoverable separately.

5.48.1 Reinforced Cement Concrete -M-50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.48X	Detail of cost for 120 cum. MATERIAL Sub Analysis no 5.48X (Annexure) for item 5.48.1 Providing M 50 grade reinforced Cement Concrete data (lot) for 120.00 cum Add 11 per cent of cost of material, labour and machinery for formwork on P Add 1.4 per cent of cost of material, Labour and machinery excluding form work to cater for extra lift on P TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 120 cum Cost of 1 cum Say	each	1.00	617187.95	617187.95 P 67890.67 8640.63 693719.26 W 6937.19 700656.45 X 98442.23 799098.68 Y 119864.80 918963.48 Z 9189.63 928153.12 7734.61 7734.60

5.48.2 Reinforced Cement Concrete -M-60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.48Y	Detail of cost for 120 cum. MATERIAL Sub Analysis no 5.48Y (Annexure) for item 5.48.2 Providing M 60 grade reinforced Cement Concrete data (lot) for 120.00 cum	each	1.00	702779.75	702779.75 P

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add 11 per cent of cost of material, labour and machinery for formwork on P				77305.77
	Add 1.4 per cent of cost of material, Labour and machinery excluding formwork to cater for extra lift on P				9838.92
	TOTAL				789924.44 W
	Add 1 % Water charges on "W"				7899.24
	TOTAL				797823.68 X
	Add GST on "X" (multiplying factor 0.1405)				112094.23
	TOTAL				909917.91 Y
	Add 15% CPOH on "Y"				136487.69
	TOTAL				1046405.60 Z
	Add Cess @ 1% on "Z"				10464.06
	Cost of 120 cum				1056869.65
	Cost of 1 cum				8807.25
	Say				8807.25

5.48.3 Extra for using M-50/ M-60 Grade Self-compacting Cement Concrete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.48X	Detail of cost for 1 cum. MATERIAL Sub Analysis no 5.48 (Annexure) for sub analysis 5.48.3X	each	1.00	9483.75	9483.75
5.48.2	Rate as per Item No.5.48.2 of SH: REINFORCED CEMENT CONCRETE TOTAL Cost of 1 cum Say	cum	-1.00	8807.25	-8807.25 676.50 676.50 676.50

5.48.3X M 60 grade Self-compacting Reinforced Cement Concrete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.48Z	Detail of cost for 120 cum. MATERIAL Sub Analysis no 5.48Z (Annexure) for sub analysis 5.48.3X Providing M 60 grade reinforced Cement Concrete data (lot) for 120.00 cum Add 11 per cent of cost of material, labour and machinery for formwork, P x 11 /100	each	1.00	756763.35	756763.35 P 83243.97

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add 1.4 per cent of cost of material, Labour and machinery excluding formwork to cater for extra lift, Px1.4/100				10594.69
	TOTAL			850602.01	W
	Add 1 % Water charges on "W"			8506.02	
	TOTAL			859108.03	X
	Add GST on "X" (multiplying factor 0.1405)			120704.68	
	TOTAL			979812.70	Y
	Add 15% CPOH on "Y"			146971.91	
	TOTAL			1126784.61	Z
	Add Cess @ 1% on "Z"			11267.85	
	Cost of 120 cum			1138052.45	
	Cost of 1 cum			9483.77	
	Say			9483.75	

5.48X Annexure for item 5.48.1, Providing M50 grade Reinforced Cement Concrete data for 120.00 cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Sub Analysis for use in Item no 5.48.1 Details of cost for each lot of 120 cum. RCC Grade M50 Unit = 1 cum Taking output = 120 cum				
0982	MATERIALS :				
	Portland Cement	tonne	57.60	5000.00	288000.00
0295	Coarse sand (zone III)	cum	54.00	1500.00	81000.00
0297	Stone Aggregate (Single size) : 20 mm nominal size	cum	64.80	1400.00	90720.00
7318	Stone Aggregate (Single size) : 10 mm nominal size	cum	43.20	1350.00	58320.00
	Plasticizer / super plasticizer	kilogram	223.20	29.00	6472.80
0128	LABOUR :				
0123	Mate	day	0.94	714.00	671.16
0114	Mason (brick layer) 1 st class	day	3.50	784.00	2744.00
	Beldar	day	20.00	645.00	12900.00
0066	MACHINERY :				
0070	Batching and Mixing Plant @ 75 cum per hour	hour	1.60	2400.00	3840.00
0052	Generator 100 KVA/125 KVA	hour	1.60	300.00	480.00
	Front end loader 1 cum bucket capacity (incl POL) Distance = 10 km Qty= 120.00 cum	hour	1.60	1300.00	2080.00
0029	Total = 120.00x 10= 1200				
0009	Carriage of concrete by transit mixer Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	km/cum	1200.00	37.30	44760.00
	TOTAL			210.00	25200.00
	Cost of each lot of 120 cum.	cum	120.00	617187.96	
	Say			617187.96	
				617187.95	

5.48Y Annexure for items 5.48.2 for using M 60 grade Self Compacting Reinforced cement concrete data for 120.00 cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Sub Analysis for use in Item no 5.48.2 Detail of cost for each RCC Grade M60 Unit = 1 cum Taking output = 120 cum MATERIALS : 0367 Portland Cement 0982 Coarse sand (zone III) 0295 Stone Aggregate (Single size) : 20 mm nominal size 0297 Stone Aggregate (Single size) : 10 mm nominal size 7318 Plasticizer / super plasticizer 8953 Micro Silica LABOUR : 0128 Mate 0123 Mason (brick layer) 1 st class 0114 Beldar MACHINERY : 0066 Batching and Mixing Plant @ 75 cum per hour 0070 Generator 100 KVA/125 KVA 0052 Front end loader 1 cum bucket capacity (incl POL) Distance = 10 km Qty= 120.00 cum Total = 120.00x 10= 1200 0029 Carriage of concrete by transit mixer 0009 Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. TOTAL Cost of each. Say	tonne cum cum kilogram kg day day day hour hour km/cum cum	57.60 54.98 57.54 38.22 230.40 3600.00 0.94 3.50 20.00 1.60 1.60 1.60 1200.00 120.00	5000.00 1500.00 1400.00 1350.00 29.00 28.00 714.00 784.00 645.00 2400.00 300.00 1300.00 37.30 210.00	288000.00 82470.00 80556.00 51597.00 6681.60 100800.00 671.16 2744.00 12900.00 3840.00 480.00 2080.00 44760.00 25200.00 702779.76 702779.76 702779.75

5.48Z Annexure for items 5.48.3. Extra for using M 60 grade Self Compacting Reinforced cement concrete data for 120.00 cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Sub Analysis for use in Item no 5.48.3X Details of cost for each. RCC Grade M60 self compacting concrete Using Batching Plant, Transit Mixer and Concrete Pump Unit = 1 cum Taking Output = 120 cum MATERIALS : 0367 Portland Cement 0982 Coarse sand (zone III) 0295 Stone Aggregate (Single size) : 20 mm nominal size	tonne cum cum	57.60 54.00 64.80	5000.00 1500.00 1400.00	288000.00 81000.00 90720.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	43.20	1350.00	58320.00
7318	Plasticizer / super plasticizer	Kilogram	230.40	29.00	6681.60
8953	Micro Silica	kg	5040.00	28.00	141120.00
	LABOUR :				
0128	Mate	day	0.84	714.00	599.76
0123	Mason (brick layer) 1 st class	day	3.00	784.00	2352.00
0114	Beldar	day	18.00	645.00	11610.00
	MACHINERY :				
0066	Batching and Mixing Plant @ 75 cum per hour	hour	1.60	2400.00	3840.00
0070	Generator 100 KVA/125 KVA	hour	1.60	300.00	480.00
0052	Front end loader 1 cum bucket capacity (incl POL) Distance = 10 km Qty= 120.00 cum Total = $120.00 \times 10 = 1200$	hour	1.60	1300.00	2080.00
0029	Carriage of concrete by transit mixer	km/cum	1200.00	37.30	44760.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	120.00	210.00	25200.00 756763.36 756763.36 756763.35
	TOTAL				
	Cost of each.				
	Say				

5.49 Constructing cast-in situ RCC diaphragm wall by providing and laying machine batched, machine mixed, self compacting, ready mix reinforced cement concrete, tramie controlled, of M 30 grade using minimum 400 kg cement per cum of concrete including providing and mixing required admixtures in recommended proportions as per IS : 9103, as approved by the Engineer-in-charge, for achieving 150- 200mm slump, for diaphragm wall having thickness as per approved structural design not exceeding 600 mm, in pannels of required depth and lengths as per approved drawing, including constructing necessary guide walls as required and as specified including boring in all kinds of soils and rocks, including working in or under water and / or liquid mud, in foul conditions and pumping or bailing out of water and removing slush, including disposal of earth/ rock / slush etc. for all leads and all lifts, including preparing, providing and re-circulating bentonite slurry in the trench as and when required for all depths, including agitating bentonite slurry during trenching etc., providing and fixing stop ends or form tubes, upto the required depth of diaphragm wall including extracting the same after casting, including chipping off the bentonite adulterated concrete or unsound concrete up to the cut off level for obtaining the sound concrete, dressing undulations on the exposed face of diaphragm wall after excavation by chipping / chiseling etc. including filling the depression/ cavities with sound concrete etc. complete and as directed by the Engineer-in-charge, including providing recess for bearing plates and fixing insert boxes for inclined rock anchors etc. complete as per the specifications and approved design and as directed by the Engineer-in-charge, but excluding the cost of reinforcement and inserts. (rates include cost of all inputs of labour, material and T & P, cost of handling, lifting & placing in position the reinforcement cage in the trench, including the additional cost of welding the reinforcement bars etc. involved in the work and all other incidental expenditure

for completing the work as directed by the Engineer-in-charge), However, the actual area of the diaphragm wall, correct to two places of decimal, from design bottom level to the design cut off level (including portion anchored in the rock upto the design bottom level) only shall be measured for payment.

Excess/less cement used for design mix including the extra cement required for under water concreting is payable / recoverable separately.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0082	Details of cost for 144.0 cum. Analysis for 20x12=240 Sqmt area of diaphragm wall Average depth 12 m Thickness 0.60 m Total Quantity 20 mx12 m x0.6 m = 144.00 cum Excavation of Diaphragm wall by Mechanical Grab Guide wall RCC 1:2:4 RCC 2x20x(0.45+1.5)x.15 = 11.70 cum Rate as per Item No.5.1.3 of SH: REINFORCED CEMENT CONCRETE Reinforcement@ 70 kg/Cum for guide wall= 11.70x 70 kg/cum = 819 kg	sqm	240.00	1500.00	360000.00
5.1.3		cum	11.70	7945.65	92964.11 A
5.22.6		kilogram	819.00	89.65	73423.35 A
5.33.1.1	Rate as per Item No.5.33.1.1 of SH: REINFORCED CEMENT CONCRETE Bentonite @6% of RCC qty Total Qty= 164.4x06x1400/100 = 13810 kg= 13.81 tonne	cum	164.40	8683.80	1427616.72 A
7183	Bentonite Add 10 %extra cement due to concreting under water 164.4x420x0.10=6.90 tonne	tonne	13.81	2800.00	38668.00
0367	Portland Cement Add cement for grouting of wall using nozzles etc.- 240 sqm @ 0.10 quintal/sqm =2.40 tonne	tonne	6.90	5000.00	34500.00
0367 2209 0025	Portland Cement Carriage of Cement Hire and running charges of light crane Reinforcement @220 kg/cum 164.4x220kg/cum=36168 kg Extra reinforcement for hooks @ 5% of cage 1808.4 kg Total=1808.4 kg=18.084 qtl	tonne tonne day	2.40 9.30 1.00	5000.00 145.72 3500.00	12000.00 1355.20 3500.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1005	Twisted steel/ deformed bars Extra for welding reinforcement cage Reinforcement @ 200 C/C 2 x 101 x 61 = 6161 joints Welding for alternate joint say 50 % joints 6161 cm	quintal	18.084	4900.00	88611.60
10.22	Rate as per Item No.10.22 of SH: STEEL WORK	cm	6161.00	3.40	20947.40 A
9999	Labour for grouting diaphragm wall under pressure i/c fixing nozzle etc Add for use retarders / plasticizers for the diaphragm wall concreting using trimme @ 0.4 % cement qty = (164.4 x 420 x 0.4)/100=276.1	L.S.	23530.00	2.12	49883.60
7318	Plasticizer / super plasticizer	kilogram	276.19	29.00	8009.51
8954	Stop end tubes for diaphragmwall 600 mm dia.	sqm	240.00	4.50	1080.00
8955	Driving end tubes for diaphragm wall 600 mm dia.	sqm	240.00	72.00	17280.00
0026	Hire and running charges of bentonite pump Bentonite powder @ 6% of R.C.C. Qty = (164.4 Cum x 0.06)=9.864 cum 9.864 cum x 1400 kg/cum = 13809.6 kg Disposal of bentonite muck Slurry / Muck vol. 49.32 cum Disposal of bentonite muck Slurry / Muck vol. 49.32 cum Add excavated earth = 144.00 cum Total= 144.00 + 49.32 = 193.32 cum Rate as per Item No.15.60 of SH: DISMANTLING & DEMOLISHING Disposal of Chipping / Dismantling of contaminated concrete and guide wall etc. with all leads as per item no. 15.3 = 2x(20x0.50x0.60) + 15.00 cum = 20.40 cum	day	2.00	3000.00	6000.00
15.60		cum	193.32	219.35	42404.74 A
15.3	Rate as per Item No.15.3 of SH: DISMANTLING & DEMOLISHING	cum	20.40	2928.10	59733.24 A
9999	Sundries (Extra for concreting by Trimme)	L.S.	1177.00	2.12	2495.24
9999	Sundries (Design Charges) TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 144.0 cum Cost of 1 cum Say	L.S.	19200.00	2.12	40704.00 2381176.70 W 6640.87 2387817.57 X 94237.29 2482054.86 Y 114744.80 2596799.66 Z 8797.10 2605596.76 18094.42 18094.40

SUB HEAD : 6.0

MASONRY WORK

6.1 Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:
6.1.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5				
2201	Carriage of Bricks Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos 1000 Nos	0.494 0.494	4590.00 437.15	2267.46 215.95
3.9 9999	Rate as per item No 3.9 of SH: Mortar Sundries LABOUR	cum L.S.	0.25 2.73	4355.20 2.12	1088.80 5.79
0123	Mason (brick layer) 1st class	day	0.36	784.00	282.24
0124	Mason (brick layer) 2nd class	day	0.36	714.00	257.04
0115	Coolie	day	1.37	645.00	883.65
0101	Bhisti	day	0.20	714.00	142.80
	TOTAL				5143.73 W
	Add 1 % Water charges on "W"				51.44
	TOTAL				5195.17 X
	Add GST on "X" (multiplying factor 0.1405)				729.92
	TOTAL				5925.09 Y
	Add 15% CPOH on "Y"				888.76
	TOTAL				6813.85 Z
	Add Cess @ 1% on "Z"				68.14
	Cost of 1 Cum.				6881.99
	Say				6882.00

6.1.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5				
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand) (Rate as per item No 3.11)	1000 Nos 1000 Nos	0.494 0.494	4590.00 437.15	2267.46 215.95
3.11 9999	Rate as per Item No.3.11 of SH: Mortar Sundries LABOUR	cum L.S.	0.25 2.73	3686.30 2.12	921.58 5.79
0123	Mason (brick layer) 1st class	day	0.36	784.00	282.24
0124	Mason (brick layer) 2nd class	day	0.36	714.00	257.04
0115	Coolie	day	1.37	645.00	883.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 Cum. Say	day	0.20	714.00	142.80 4976.50 W 49.77 5026.27 X 706.19 5732.46 Y 859.87 6592.33 Z 65.92 6658.25 6658.25

6.2 Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:

6.2.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7900	Details of cost for 1 cum MATERIAL				
2201	Modular common burnt clay bricks of class designation 7.5 Carriage of Bricks Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.487	3800.00	1850.60
3.9	Rate as per item No 3.9 of SH: Mortar	cum	0.22	4355.20	958.14
9999	Sundries	L.S.	2.73	2.12	5.79
0123	LABOUR				
0124	Mason (brick layer) 1st class	day	0.33	784.00	258.72
0115	Mason (brick layer) 2nd class	day	0.33	714.00	235.62
0101	Coolie	day	1.00	645.00	645.00
	Bhisti	day	0.18	714.00	128.52
	TOTAL				4295.28 W
	Add 1 % Water charges on "W"				42.95
	TOTAL				4338.24 X
	Add GST on "X" (multiplying factor 0.1405)				609.52
	TOTAL				4947.76 Y
	Add 15% CPOH on "Y"				742.16
	TOTAL				5689.92 Z
	Add Cess @ 1% on "Z"				56.90
	Cost of 1 Cum.				5746.82
	Say				5746.80

6.2.2 Cement Mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7900	Details of cost for 1 cum MATERIAL Modular common burnt clay bricks of class designation 7.5	1000 Nos	0.487	3800.00	1850.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2201	Carriage of Bricks		1000 Nos	0.487	437.15
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				212.89
3.11	Rate as per item No 3.11 of SH: Mortar	cum		0.22	3686.30
9999	Sundries	L.S.		2.73	2.12
	LABOUR				5.79
0123	Mason (brick layer) 1st class	day		0.33	784.00
0124	Mason (brick layer) 2nd class	day		0.33	714.00
0115	Coolie	day		1.00	645.00
0101	Bhisti	day		0.18	714.00
	TOTAL				258.72
	Add 1 % Water charges on "W"				235.62
	TOTAL				645.00
	Add GST on "X" (multiplying factor 0.1405)				128.52
	TOTAL				4148.13 W
	Add 15% CPOH on "Y"				41.48
	TOTAL				4189.61 X
	Add Cess @ 1% on "Z"				588.64
	Cost of 1 Cum.				4778.25 Y
	Say				716.74
					5494.98 Z
					54.95
					5549.93
					5549.95

6.3 Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :

6.3.1 With F.P.S.(non modular) bricks

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7901	Details of cost for 1 cum MATERIAL				
2201	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	4200.00	2074.80
	Carriage of Bricks	1000 Nos	0.494	437.15	215.95
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.25	3686.30	921.58
9999	Sundries	L.S.	2.73	2.12	5.79
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	784.00	368.48
0124	Mason (brick layer) 2nd class	day	0.47	714.00	335.58
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
9999	Scaffolding	L.S.	22.36	2.12	47.40
	Extra labour element required for lifting of materials (above floor two level upto floor five level)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 Cum. Say	day	1.13	645.00	728.85 6002.23 W 60.02 6062.25 X 851.75 6914.00 Y 1037.10 7951.10 Z 79.51 8030.61 8030.60

6.3.2 With Modular bricks

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7902	Details of cost for 1 cum MATERIAL Machine moulded common burnt clay modular perforated bricks of class designation 12.5				
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos 1000 Nos	0.487 0.487	4800.00 437.15	2337.60 212.89
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.22	3686.30	810.99
9999	Sundries LABOUR	L.S.	2.73	2.12	5.79
0123	Mason (brick layer) 1st class	day	0.44	784.00	344.96
0124	Mason (brick layer) 2nd class	day	0.44	714.00	314.16
0115	Coolie	day	1.43	645.00	922.35
0101	Bhisti	day	0.18	714.00	128.52
9999	Scaffolding Extra labour element required for lifting of materials (above floor two level upto floor five level)	L.S.	16.38	2.12	34.73
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 Cum. Say	day	1.13	645.00	728.85 5840.83 W 58.41 5899.24 X 828.84 6728.08 Y 1009.21 7737.30 Z 77.37 7814.67 7814.65

6.4 Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :

6.4.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.494	4590.00	2267.46
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.25	4355.20	1088.80
2201	Carriage of Bricks	1000 Nos	0.494	437.15	215.95
9999	Sundries	L.S.	2.73	2.12	5.79
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	784.00	368.48
0124	Mason (brick layer) 2nd class	day	0.47	714.00	335.58
	Extra labour element required for lifting of materials (above floor two level upto floor five level)"				
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
9999	Scaffolding	L.S.	22.36	2.12	47.40
0115	Coolie	day	1.13	645.00	728.85
	TOTAL				6362.11 W
	Add 1 % Water charges on "W"				63.62
	TOTAL				6425.73 X
	Add GST on "X" (multiplying factor 0.1405)				902.82
	TOTAL				7328.55 Y
	Add 15% CPOH on "Y"				1099.28
	TOTAL				8427.83 Z
	Add Cess @ 1% on "Z"				84.28
	Cost of 1 Cum.				8512.11
	Say				8512.10

6.4.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 6	1000 Nos	0.494	4590.00	2267.46
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3686.30	921.58
2201	Carriage of Bricks	1000 Nos	0.494	437.15	215.95
9999	Sundries	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	784.00	368.48
0124	Mason (brick layer) 2nd class	day	0.47	714.00	335.58
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
9999	Scaffolding	L.S.	22.36	2.12	47.40
	Extra labour element required for lifting of materials (above floor two level upto floor five level)				
0115	Coolie	day	1.13	645.00	728.85
	TOTAL				6194.89 W
	Add 1 % Water charges on "W"				61.95
	TOTAL				6256.84 X
	Add GST on "X" (multiplying factor 0.1405)				879.09
	TOTAL				7135.92 Y
	Add 15% CPOH on "Y"				1070.39
	TOTAL				8206.31 Z
	Add Cess @ 1% on "Z"				82.06
	Cost of 1 Cum.				8288.37
	Say				8288.35

6.5 Extra for brick work / AAC block masonry / Tile brick masonry in superstructure above floor V level, for each four floors or part thereof by mechanical means.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0037	Details of cost for 5.3 cum per four floors .				
	Mobile crane	day			562.50
	TOTAL		0.125	4500.00	562.50 W
	Add 1 % Water charges on "W"				5.63
	TOTAL				568.13 X
	Add GST on "X" (multiplying factor 0.1405)				79.82
	TOTAL				647.95 Y
	Add 15% CPOH on "Y"				97.19
	TOTAL				745.14 Z
	Add Cess @ 1% on "Z"				7.45
	Cost of 5.3 Cum.				752.59
	Cost for 1 cum				142.00
	Say				142.00

6.6 Extra for forming cavity 5 cm to 11.5 cm wide in cavity walls with necessary weep and vent holes including use of cores and cost of providing and fixing bitumastic coated M .S. ties 300 mm long of 25x3 mm section at not less than 3 ties per sqm as per approved design.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL Mild steel 25mmx3mm section 30cm long				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1008	30 No. = 9 metres @ 0.6kg/m = 5.40 kg				
9999	Flats upto 10 mm in thickness	quintal	0.054	4850.00	261.90
2205	Painting the steel Bitumen	L.S.	13.52	2.12	28.66
	Carriage of Steel	tonne	0.005	145.72	0.73
0123	Extra labour for keeping cavity clear and fixing wall ties and delay caused:				
0124	Mason (brick layer) 1st class	day	0.37	784.00	290.08
0114	Mason (brick layer) 2nd class	day	0.37	714.00	264.18
9999	Beldar	day	0.92	645.00	593.40
	Add for use of Core	L.S.	4.55	2.12	9.65
	TOTAL				1448.60 W
	Add 1 % Water charges on "W"				14.49
	TOTAL				1463.08 X
	Add GST on "X" (multiplying factor 0.1405)				205.56
	TOTAL				1668.65 Y
	Add 15% CPOH on "Y"				250.30
	TOTAL				1918.94 Z
	Add Cess @ 1% on "Z"				19.19
	Cost for 10 sqm.				1938.13
	Cost for 1 sqm.				193.81
	Say				193.80

6.7 Providing half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in cement mortar 1:3 (1 Cement : 3 coarse sand) in superstructure for closing cavity 5 to 7.5 cm wide in cavity wall complete with 10cm / 11.4 cm wide bitumen felt type 3 grade 1.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6.12.1	Details of cost for 10m length MATERIAL Half brick masonry 1:3 (Average) 1x10x0.27 = 2.7 Rate as per item No. 6.12.1 of SH: Brick Work Bitumen felt type- 3 grade 1 1x10mx11.4m = 1.14 sqm. Add for wastage and overlapping @ 5% = 0.06 sqm. Total = 1.20 sqm	sqm	2.70	862.90	2329.83 A
0322	Bitumen felt :Type 3 grade 1 LABOUR	sqm	1.20	70.00	84.00
0123	Mason (brick layer) 1st class	day	0.12	784.00	94.08
0124	Mason (brick layer) 2nd class	day	0.12	714.00	85.68

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 metre Cost for 1 metre Say	day	0.06	645.00	38.70 2632.29 W 3.02 2635.31 X 42.92 2678.24 Y 52.26 2730.50 Z 4.01 2734.50 273.45 273.45

6.8 Brick work 7 cm thick with common burnt clay F.P.S. (non modular) brick of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth level and upto floor five level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1:3	1000 Nos	0.377	4590.00	1730.43
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.181	5024.15	909.37
2201	Carriage of Bricks	1000 Nos	0.377	437.15	164.81
0123	LABOUR Mason (brick layer) 1st class	day	0.72	784.00	564.48
0124	Mason (brick layer) 2nd class	day	0.72	714.00	514.08
0115	Coolie	day	1.76	645.00	1135.20
0101	Bhisti	day	0.36	714.00	257.04
9999	Sundries and scaffolding Extra labour for lifting of material (above floor two level up to floor five level)	L.S.	7.15	2.12	15.16
0115	Coolie TOTAL Add 1 % Water charges on "W"	day	1.29	645.00	832.05 6122.61 W 61.23 6183.84 X
	TOTAL Add GST on "X" (multiplying factor 0.1405)				868.83
	TOTAL Add 15% CPOH on "Y"				7052.67 Y 1057.90
	TOTAL Add Cess @ 1% on "Z"				8110.57 Z 81.11
	Cost for 10 sqm.				8191.68
	Cost for 1 sqm.				819.17
	Say				819.15

6.9 Brick work in plain arches in superstructure above plinth level and upto floor five level including centering and shuttering complete for span up to 6 metres with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1:3	1000 Nos	0.494	4590.00	2267.46
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.25	5024.15	1256.04
2201	Carriage of Bricks	1000 Nos	0.494	437.15	215.95
9999	Sundries	L.S.	2.73	2.12	5.79
5.9.9	Centring and shuttering Taking a semi circular arch 3.6m span, 3.6m long and 0.40m thick Area of centering = $3.142 \times 1.8 \times 3.6$ = 20.37 sqm. Brick work in Arch = $3.142 \times 2.00 \times$ $0.4 \times 3.6 = 9.05 \text{ cum.}$ Area per cum = $20.37 / 9.05 = 2.25 \text{ sqm}$ Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	1826.25	4109.06 A
9999	Scaffolding	L.S.	18.85	2.12	39.96
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.53	784.00	415.52
0124	Mason (brick layer) 2nd class	day	0.53	714.00	378.42
0115	Coolie	day	2.29	645.00	1477.05
0101	Bhisti	day	0.20	714.00	142.80
0115	Extra labour for lifting of material (above floor two level up to floor five level)	day	1.13	645.00	728.85
	Coolie				11036.90 W
	TOTAL				69.28
	Add 1 % Water charges on "W-A"				11106.18 X
	TOTAL				
	Add GST on "X-A" (multiplying factor 0.1405)				983.10
	TOTAL				12089.28 Y
	Add 15% CPOH on "Y-A"				1197.03
	TOTAL				13286.31 Z
	Add Cess @ 1% on "Z-A"				91.77
	Cost for 1 cum.				13378.08
	Say				13378.10

6.10 Brick work in gauged arches in superstructure above plinth level and upto floor five level in cement mortar 1:3 (1 cement : 3 coarse sand) including centering and shuttering complete, for span up to 6 meters with common burnt clay F.P.S. (non modular) bricks of class designation 7.5.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1:3	1000 Nos	0.538	4590.00	2469.42
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.25	5024.15	1256.04
2201	Carriage of Bricks	1000 Nos	0.538	437.15	235.19
9999	Sundries	L.S.	2.73	2.12	5.79
5.9.9	Centring and shuttering (Area same as in item No. 6.9)				
9999	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work Scaffolding	sqm	2.25	1826.25	4109.06 A
	LABOUR	L.S.	18.85	2.12	39.96
0123	Mason (brick layer) 1st class	day	1.13	784.00	885.92
0124	Mason (brick layer) 2nd class	day	1.13	714.00	806.82
0115	Coolie	day	4.42	645.00	2850.90
0101	Bhisti	day	0.20	714.00	142.80
0115	Extra labour for lifting of material (above floor two level up to floor five level)	day	1.13	645.00	728.85
	Coolie				13530.75 W
	TOTAL				94.22
	Add 1 % Water charges on "W-A"				13624.96 X
	TOTAL				
	Add GST on "X-A" (multiplying factor 0.1405)				1336.98
	TOTAL				14961.95 Y
	Add 15% CPOH on "Y-A"				1627.93
	TOTAL				16589.88 Z
	Add Cess @ 1% on "Z-A"				124.81
	Cost for 1 cum.				16714.69
	Say				16714.70

6.11 Extra for additional cost of centering for arches exceeding 6m span including all shuttering, bolting, wedging and removal (Area of the soffit to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 33.31 sqm MATERIAL Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m $2R-2=4+4$ $\tan^{-1}(4/3)=53.28^\circ$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197 2204	<p>2x53.28°=106° Surface area =2x22/7x5x3.6x 106/360=33.3sqm. Arc=9.25m MATERIAL Tie-2x8x0.18x0.05 =0.144cum Struts-2x2.5x0.1x0.1 =0.050cum. Struts-2x1.77x0.1x0.1=0.035cum. Ribs-6x1.54x0.23x0.1=0.213cum. Struts-2x1.72x0.1x0.1=0.034cum. Total=0.476cum. For four such frames =0.476x4 = 1.904 cum. laggings-75x3.6x0.125x0.075 =2.531cum. Tie-2x3.6x0.225x0.038=0.062cum. Brace-3x2x2.14x0.225x0.038=0.110 Brace-3x4x3.8x0.225x0.038=0.390 Sleepers-4x3.6x0.20x0.15=0.432 Sleepers-2x4x3.6x0.175x0.075=0.378 Vertical post-4x4x3.6x0.15x0.15 =1.296 Total = 7.103cum. Qty taken as 1/8th of qty for cost of using once = 7.103/8 = 0.8885 cum (887.90 cudm)</p> <p>Second class kail wood in scantling Carriage of Timber Fittings: 3 way straps 50mmx10mm = 32 Nos. 32 no. @0.50cm each = 16m Straps-50mmx10mm = 8 Nos. @0.25cm each = 2m Total = 18m @ 3.9kg/m = 70.2 kg. = 0.702qtl. Qty taken 1/8th of qty for cost using once = 0.702/8 = 0.0878 qtl.</p>	10 cu dm cum	88.79 0.8879	260.00 187.35	23085.40 166.35
1225	Mild steel flat strap fitting Bolts 160 Nos. 254 mm long 16mm dia.- 160x 0.254x 1.58=64.21 kg=0.64qtl. Qty taken 1/8th of qty for cost using once = 0.64/8 = 0.08 qtl	quintal	0.0878	4120.00	361.74
1034	Bolts and nuts upto 300 mm in length Carriage of steel = 0.1342 t Qty taken 1/8th of qty for cost using once = 0.1342/8 = 0.0168 tonne	quintal	0.08	5200.00	416.00
2302	Carriage of G.I.sheet and accessories LABOUR	tonne	0.0168	145.72	2.45
0112	Carpenter 2nd class	day	28.00	714.00	19992.00
0114	Beldar	day	24.00	645.00	15480.00
9999	Sundries	L.S.	134.55	2.12	285.25
	Less Cost of shuttering etc. for an arch upto 6 m span i.e. for an average of 8 m span				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 33.31sqm. Cost per sqm Say	sqm	-33.31	1826.25	-60832.39 A -1043.21 W 597.89 -445.32 X 8484.38 8039.07 Y 10330.72 18369.78 Z 792.02 19161.81 575.26 575.25

6.12 Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :

6.12.1 Cement mortar 1:3 (1 cement : 3 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1:3 Cement mortar 1:3 (1 cement : 3 coarse sand) (Rate as per item No 3.8)	1000 Nos	0.565	4590.00	2593.35
3.8		cum	0.28	5024.15	1406.76
2201	Carriage of Bricks	1000 Nos	0.565	437.15	246.99
9999	Sundries & Scaffolding	L.S.	13.52	2.12	28.66
0123	LABOUR	day	0.45	784.00	352.80
0124	Mason (brick layer) 1st class	day	0.45	714.00	321.30
0115	Mason (brick layer) 2nd class	day	1.55	645.00	999.75
0101	Coolie	day	0.70	714.00	499.80
	Bhisti				6449.41 W
	TOTAL				64.49
	Add 1 % Water charges on "W"				6513.91 X
	TOTAL				
	Add GST on "X" (multiplying factor 0.1405)				915.20
	TOTAL				7429.11 Y
	Add 15% CPOH on "Y"				1114.37
	TOTAL				8543.48 Z
	Add Cess @ 1% on "Z"				85.43
	Cost for 10 sqm.				8628.91
	Cost for 1 sqm.				862.89
	Say				862.90

6.12.2 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 4				
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) (Rate as per item No 3.9)	1000 Nos	0.565	4590.00	2593.35
2201	Carriage of Bricks	cum	0.28	4355.20	1219.46
9999	Sundries & Scaffolding	1000 Nos	0.565	437.15	246.99
	LABOUR	L.S.	13.52	2.12	28.66
0123	Mason (brick layer) 1st class	day	0.45	784.00	352.80
0124	Mason (brick layer) 2nd class	day	0.45	714.00	321.30
0115	Coolie	day	1.55	645.00	999.75
0101	Bhisti	day	0.70	714.00	499.80
	TOTAL				6262.11 W
	Add 1 % Water charges on "W"				62.62
	TOTAL				6324.73 X
	Add GST on "X" (multiplying factor 0.1405)				888.62
	TOTAL				7213.35 Y
	Add 15% CPOH on "Y"				1082.00
	TOTAL				8295.36 Z
	Add Cess @ 1% on "Z"				82.95
	Cost for 10 sqm.				8378.31
	Cost for 1 sqm.				837.83
	Say				837.85

6.13 Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.

6.13.1 Cement mortar 1:3 (1 cement :3 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class esignation 7.5 Cement mortar 1:3	1000 Nos	0.565	4590.00	2593.35
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.28	5024.15	1406.76
2201	Carriage of Bricks	1000 Nos	0.565	437.15	246.99
9999	Sundries & Scaffolding	L.S.	13.52	2.12	28.66
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	784.00	470.40
0124	Mason (brick layer) 2nd class	day	0.60	714.00	428.40
0115	Coolie	day	2.00	645.00	1290.00
0101	Bhisti	day	0.70	714.00	499.80
	Extra labour for lifting materials:				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie 10 x 0.115 x 1.13 TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 sqm. Cost for 1 sqm. Say	day	1.29	645.00	832.05 7796.41 W 77.96 7874.38 X 1106.35 8980.73 Y 1347.11 10327.84 Z 103.28 10431.12 1043.11 1043.10

6.13.2 Cement mortar 1:4 (1 cement :4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 4	1000 Nos	0.565	4590.00	2593.35
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.28	4355.20	1219.46
2201	Carriage of Bricks	1000 Nos	0.565	437.15	246.99
9999	Sundries & Scaffolding	L.S.	13.52	2.12	28.66
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	784.00	470.40
0124	Mason (brick layer) 2nd class	day	0.60	714.00	428.40
0115	Coolie	day	2.00	645.00	1290.00
0101	Bhisti	day	0.70	714.00	499.80
0115	Extra labour for lifting materials: Coolie 10 x 0.115 x 1.13 TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 sqm. Cost for 1 sqm. Say	day	1.29	645.00	832.05 7609.11 W 76.09 7685.20 X 1079.77 8764.97 Y 1314.75 10079.72 Z 100.80 10180.51 1018.05 1018.05

6.14 Extra for half brick masonry in superstructure, above floor V level for every four floors or part thereof by mechanical means.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0037	Details of cost for 59.83 sqm per four floors . Mobile crane TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 59.83 sqm. Cost for 1 sqm Say	day	0.125	4500.00	562.50 562.50 W 5.63 568.13 X 79.82 647.95 Y 97.19 745.14 Z 7.45 752.59 12.58 12.60

6.15 Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1002 2205 9999	Details of cost for 10sqm. 6mm dia. M.S. bars (round) 2 Nos. @ 30 meter/10sqm. = 60 metre @ 0.22kg/m = 13.2 kg Mild steel round bar 6 mm dia Carriage of Steel Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 sqm. Cost for 1 sqm Say	quintal tonne L.S.	0.132 0.0132 1.82	4850.00 145.72 2.12	640.20 1.92 3.86 645.98 W 6.46 652.44 X 91.67 744.11 Y 111.62 855.73 Z 8.56 864.28 86.43 86.45

6.16 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in foundation and plinth in:

6.16.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks tile class designation 10 Cement mortar 1 : 4	1000 Nos	0.777	4600.00	3574.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.40	4355.20	1742.08
2207	Carriage of Brick tiles	1000 Nos	0.777	262.29	203.80
9999	Sundries	L.S.	4.55	2.12	9.65
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.70	784.00	548.80
0124	Mason (brick layer) 2nd class	day	0.70	714.00	499.80
0115	Coolie	day	1.54	645.00	993.30
0101	Bhisti	day	0.20	714.00	142.80
	TOTAL				7714.43 W
	Add 1 % Water charges on "W"				77.14
	TOTAL				7791.57 X
	Add GST on "X" (multiplying factor 0.1405)				1094.72
	TOTAL				8886.29 Y
	Add 15% CPOH on "Y"				1332.94
	TOTAL				10219.23 Z
	Add Cess @ 1% on "Z"				102.19
	Cost for 1 cum.				10321.42
	Say				10321.40

6.16.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks tile class designation 10 Cement mortar 1 : 6				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3686.30	1474.52
2207	Carriage of Brick tiles	1000 Nos	0.777	262.29	203.80
9999	Sundries	L.S.	4.55	2.12	9.65
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.70	784.00	548.80
0124	Mason (brick layer) 2nd class	day	0.70	714.00	499.80
0115	Coolie	day	1.54	645.00	993.30
0101	Bhisti	day	0.20	714.00	142.80
	TOTAL				7446.87 W
	Add 1 % Water charges on "W"				74.47
	TOTAL				7521.33 X
	Add GST on "X" (multiplying factor 0.1405)				1056.75
	TOTAL				8578.08 Y
	Add 15% CPOH on "Y"				1286.71
	TOTAL				9864.79 Z
	Add Cess @ 1% on "Z"				98.65
	Cost for 1 cum.				9963.44
	Say				9963.45

6.17 Tile brick masonry with common burnt clay machine moulded tile bricks of class designation 12.5 conforming to IS : 2690 (Part I) in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7904	Details of cost for 1 cum. MATERIAL Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	0.777	4600.00	3574.20
2207	Carriage of Brick tiles	1000 Nos	0.777	262.29	203.80
3.11	Cement mortar 1 : 6				
9999	Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3686.30	1474.52
	Sundries	L.S.	4.55	2.12	9.65
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.70	784.00	548.80
0124	Mason (brick layer) 2nd class	day	0.70	714.00	499.80
0115	Coolie	day	1.54	645.00	993.30
0101	Bhisti	day	0.20	714.00	142.80
	TOTAL				7446.87 W
	Add 1 % Water charges on "W"				74.47
	TOTAL				7521.33 X
	Add GST on "X" (multiplying factor 0.1405)				1056.75
	TOTAL				8578.08 Y
	Add 15% CPOH on "Y"				1286.71
	TOTAL				9864.79 Z
	Add Cess @ 1% on "Z"				98.65
	Cost of 1 Cum.				9963.44
	Say				9963.45

6.18 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in superstructure above plinth level up to floor V level in cement mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.777	4600.00	3574.20
2207	Carriage of Brick tiles	1000 Nos	0.777	262.29	203.80
3.11	Cement mortar 1 : 6				
9999	Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3686.30	1474.52
	Sundries	L.S.	4.55	2.12	9.65
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.90	784.00	705.60
0124	Mason (brick layer) 2nd class	day	0.90	714.00	642.60
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
0115	Extra labour for lifting of materials	day	1.13	645.00	728.85

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 Cum. Say	L.S.	33.80	2.12	71.66 8714.67 W 87.15 8801.82 X 1236.66 10038.47 Y 1505.77 11544.24 Z 115.44 11659.69 11659.70

6.20 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in plain arch work in superstructure above plinth and upto floor five level in cement mortar 1:4 (1 cement : 4 coarse sand) including centering and shuttering complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks tile class designation 10				
2207	Carriage of Brick tiles Cement mortar 1 : 4	1000 Nos 1000 Nos	0.777 0.777	4600.00 262.29	3574.20 203.80
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.35	4355.20	1524.32
9999	Sundries Centering and shuttering, area same as in item no. 6.9	L.S.	5.46	2.12	11.58
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	1826.25	4109.06 A
9999	Scaffolding LABOUR	L.S.	18.85	2.12	39.96
0123	Mason (brick layer) 1st class	day	0.79	784.00	619.36
0124	Mason (brick layer) 2nd class	day	0.79	714.00	564.06
0115	Coolie	day	3.21	645.00	2070.45
0101	Bhisti	day	0.20	714.00	142.80
0115	Extra labour for lifting of material (above floor two level up to floor five level) Coolie TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 1 cum. Say	day	1.13	645.00	728.85 13588.44 W 94.79 13683.23 X 1345.17 15028.40 Y 1637.90 16666.30 Z 125.57 16791.88 16791.90

6.21 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in gauged arch work in superstructure above plinth and upto floor five level in cement mortar 1:4 (1 cement : 4 coarse sand) including centering and shuttering complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks tile class designation 10				
2207	Carriage of Brick tiles Cement mortar 1 : 4	1000 Nos	0.791	4600.00	3638.60
3.9	Rate as per Item Number 3.9 of SH: Mortars	1000 Nos	0.791	262.29	207.47
9999	Sundries and shuttering Centering and shuttering, area same as in item no. 6.9	cum	0.35	4355.20	1524.32
		L.S.	5.46	2.12	11.58
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	1826.25	4109.06 A
9999	Scaffolding	L.S.	18.85	2.12	39.96
	LABOUR				
0123	Mason (brick layer) 1st class	day	1.50	784.00	1176.00
0124	Mason (brick layer) 2nd class	day	1.50	714.00	1071.00
0115	Coolie	day	5.33	645.00	3437.85
0101	Bhisti	day	0.20	714.00	142.80
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	645.00	728.85
	TOTAL				16087.49 W
	Add 1 % Water charges on "W-A"				119.78
	TOTAL				16207.28 X
	Add GST on "X-A" (multiplying factor 0.1405)				1699.80
	TOTAL				17907.07 Y
	Add 15% CPOH on "Y-A"				2069.70
	TOTAL				19976.78 Z
	Add Cess @ 1% on "Z-A"				158.68
	Cost for 1 cum.				20135.45
	Say				20135.45

6.22 Tile brick masonry work 5 cm thick with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth and upto floor five level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 10 sqm. Common burnt clay F.P.S. (non modular) bricks tile class designation 10				
2207	Carriage of Brick tiles Cement mortar 1:3	1000 Nos	0.377	4600.00	1734.20
3.8	Rate as per Item Number 3.8 of SH: Mortars	1000 Nos	0.377	262.29	98.88
		cum	0.15	5024.15	753.62

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and scaffolding	L.S.	8.06	2.12	17.09
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.94	784.00	736.96
0124	Mason (brick layer) 2nd class	day	0.94	714.00	671.16
0115	Coolie	day	1.88	645.00	1212.60
0101	Bhisti	day	0.33	714.00	235.62
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.29	645.00	832.05
	TOTAL				6292.18 W
	Add 1 % Water charges on "W"				62.92
	TOTAL				6355.10 X
	Add GST on "X" (multiplying factor 0.1405)				892.89
	TOTAL				7248.00 Y
	Add 15% CPOH on "Y"				1087.20
	TOTAL				8335.20 Z
	Add Cess @ 1% on "Z"				83.35
	Cost of 10 Sqm.				8418.55
	Cost per sqm.				841.85
	Say				841.85

6.23 Honey-comb brick work 10 / 11.4 cm thick with common burnt clay bricks of class designation 7.5 in super structure above plinth level upto floor V level with cement mortar 1:4 (1 cement : 4 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1sqm. of Honey comb brick works-				
	MATERIAL				
	Brick work, with bricks of class designation 75, in cement mortar 1:4 (1 Cement : 4 Coarse sand) in superstructure				
	1 m x 1 x 0.143 m x 4.5/7.5				
	= 0.069 cum				
6.4.1	Rate as per item No 6.4.1 of SH :- Brick work.	cum	0.069	8512.10	587.33 A
9999	Extra for delay due to fine work	L.S.	20.67	2.12	43.82
	TOTAL				631.16 W
	Add 1 % Water charges on "W-A"				0.44
	TOTAL				631.59 X
	Add GST on "X-A" (multiplying factor 0.1405)				6.22
	TOTAL				637.81 Y
	Add 15% CPOH on "Y-A"				7.57
	TOTAL				645.38 Z
	Add Cess @ 1% on "Z-A"				0.58
	Cost for 1 sqm.				645.96
	Say				645.95

6.24 Extra for laying brick work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.

NOTE :- The quantity will be calculated by multiplying the depth measured from sub - soil water level up to the centre of gravity of brick work under sub - soil water with the quantity of brick work in cum. executed under the sub - soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m, 0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0011	Details of cost for depth of water 0.30m depth. Quantity of concrete = 14 cum. pumping hours = 3 hrs. on 0.375 day. Hire charges of Pumpset of capacity 4000 litres/hour.				
0114	Beldar	day	0.375	700.00	262.50
	TOTAL	day	4.00	645.00	2580.00
	Add 1 % Water charges on "W"				2842.50 W
	TOTAL				28.43
	Add GST on "X" (multiplying factor 0.1405)				2870.93 X
	TOTAL				403.36
	Add 15% CPOH on "Y"				3274.29 Y
	TOTAL				491.14
	Add Cess @ 1% on "Z"				3765.43 Z
	Cost of 14cum. per 0.30m depth				37.65
	Cost of cum. per m depth				3803.09
	Say				905.50
					905.50

6.25 Extra for laying brick work in or under foul position.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for 1 cum. Extra labour due to slow progress-				
0124	Mason (brick layer) 1st class	day	0.02	784.00	15.68
0114	Mason (brick layer) 2nd class	day	0.02	714.00	14.28
0115	Beldar	day	0.25	645.00	161.25
	Coolie	day	0.15	645.00	96.75
	TOTAL				287.96 W
	Add 1 % Water charges on "W"				2.88
	TOTAL				290.84 X
	Add GST on "X" (multiplying factor 0.1405)				40.86
	TOTAL				331.70 Y
	Add 15% CPOH on "Y"				49.76
	TOTAL				381.46 Z
	Add Cess @ 1% on "Z"				3.81
	Cost for 1 cum.				385.27
	Say				385.25

6.26 **Brick work with common burnt clay selected F.P.S. (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand)**

6.26.1 **From ground level upto plinth level**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum. Common burnt clay F.P.S. (non modular) bricks class designation 7.5				
2201	Carriage of Bricks	1000 Nos	0.494	4590.00	2267.46
	Cement mortar 1 : 6	1000 Nos	0.494	437.15	215.95
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3686.30	921.58
9999	Sundries including steel/wooden strips for making grooves. LABOUR	L.S.	16.38	2.12	34.73
0114	For selection of bricks				
0123	Beldar	day	0.50	645.00	322.50
0124	Mason (brick layer) 1st class	day	0.35	784.00	274.40
0115	Mason (brick layer) 2nd class	day	0.35	714.00	249.90
0101	Coolie	day	1.07	645.00	690.15
	Bhisti	day	0.20	714.00	142.80
	TOTAL				5119.46 W
	Add 1 % Water charges on "W"				51.19
	TOTAL				5170.66 X
	Add GST on "X" (multiplying factor 0.1405)				726.48
	TOTAL				5897.13 Y
	Add 15% CPOH on "Y"				884.57
	TOTAL				6781.70 Z
	Add Cess @ 1% on "Z"				67.82
	Cost per cum.				6849.52
	Say				6849.50

6.26.2 **Above plinth level upto floor V level**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum. MATERIAL				
	Common burnt clay F.P.S. (non modular) bricks class designation 7.5				
2201	Carriage of Bricks	1000 Nos	0.494	4590.00	2267.46
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.494	437.15	215.95
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3686.30	921.58
9999	Sundries including steel/wooden strips for making grooves. LABOUR	L.S.	16.38	2.12	34.73
0114	For selection of bricks				
	Beldar	day	0.50	645.00	322.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Mason (brick layer) 1st class	day	0.46	784.00	360.64
0124	Mason (brick layer) 2nd class	day	0.46	714.00	328.44
0115	Coolie	day	1.60	645.00	1032.00
0101	Bhisti	day	0.20	714.00	142.80
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	645.00	728.85
9999	Sundries	L.S.	22.36	2.12	47.40
	TOTAL				6402.35 W
	Add 1 % Water charges on "W"				64.02
	TOTAL				6466.37 X
	Add GST on "X" (multiplying factor 0.1405)				908.52
	TOTAL				7374.89 Y
	Add 15% CPOH on "Y"				1106.23
	TOTAL				8481.13 Z
	Add Cess @ 1% on "Z"				84.81
	Cost per cum.				8565.94
	Say				8565.95

6.27 Brick work with common burnt clay modular bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.27.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	0.487	3800.00	1850.60
2201	Carriage of Bricks	1000 Nos	0.487	437.15	212.89
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3686.30	810.99
9999	Sundries i/c steel / wooden strips for making grooves LABOUR	L.S.	16.38	2.12	34.73
0123	Mason (brick layer) 1st class	day	0.33	784.00	258.72
0124	Mason (brick layer) 2nd class	day	0.33	714.00	235.62
0115	Coolie	day	1.00	645.00	645.00
0101	Bhisti	day	0.18	714.00	128.52
	TOTAL				4177.06 W
	Add 1 % Water charges on "W"				41.77
	TOTAL				4218.83 X
	Add GST on "X" (multiplying factor 0.1405)				592.75
	TOTAL				4811.58 Y
	Add 15% CPOH on "Y"				721.74
	TOTAL				5533.32 Z
	Add Cess @ 1% on "Z"				55.33
	Cost of 1 Cum.				5588.65
	Say				5588.65

6.27.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7900	Details of cost for 1 cum. MATERIAL Modular common burnt clay bricks of class designation 7.5				
2201	Carriage of Bricks	1000 Nos	0.487	3800.00	1850.60
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.487	437.15	212.89
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3686.30	810.99
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.12	34.73
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.44	784.00	344.96
0124	Mason (brick layer) 2nd class	day	0.44	714.00	314.16
0115	Coolie	day	1.43	645.00	922.35
0101	Bhisti	day	0.18	714.00	128.52
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	645.00	728.85
9999	Sundries	L.S.	22.36	2.12	47.40
	TOTAL				5395.45 W
	Add 1 % Water charges on "W"				53.95
	TOTAL				5449.40 X
	Add GST on "X" (multiplying factor 0.1405)				765.64
	TOTAL				6215.04 Y
	Add 15% CPOH on "Y"				932.26
	TOTAL				7147.30 Z
	Add Cess @ 1% on "Z"				71.47
	Cost of 1 Cum.				7218.77
	Say				7218.75

6.28 Brick work with common burnt clay machine moulded modular bricks of class designation 12.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.28.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1986	Details of cost for 1 cum. Common burnt clay modular bricks class designation 12.5				
2201	Carriage of Bricks	1000 Nos	0.487	5200.00	2532.40
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.487	437.15	212.89
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3686.30	810.99
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	2.12	34.73

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	784.00	258.72
0124	Mason (brick layer) 2nd class	day	0.33	714.00	235.62
0115	Coolie	day	1.00	645.00	645.00
0101	Bhisti	day	0.18	714.00	128.52
	TOTAL				4858.86 W
	Add 1 % Water charges on "W"				48.59
	TOTAL				4907.45 X
	Add GST on "X" (multiplying factor 0.1405)				689.50
	TOTAL				5596.95 Y
	Add 15% CPOH on "Y"				839.54
	TOTAL				6436.49 Z
	Add Cess @ 1% on "Z"				64.36
	Cost per cum.				6500.86
	Say				6500.85

6.28.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	0.487	5200.00	2532.40
2201	Carriage of Bricks	1000 Nos	0.487	437.15	212.89
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3686.30	810.99
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	2.12	34.73
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.44	784.00	344.96
0124	Mason (brick layer) 2nd class	day	0.44	714.00	314.16
0115	Coolie	day	1.43	645.00	922.35
0101	Bhisti	day	0.18	714.00	128.52
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	645.00	728.85
9999	Sundries	L.S.	22.36	2.12	47.40
	TOTAL				6077.25 W
	Add 1 % Water charges on "W"				60.77
	TOTAL				6138.02 X
	Add GST on "X" (multiplying factor 0.1405)				862.39
	TOTAL				7000.41 Y
	Add 15% CPOH on "Y"				1050.06
	TOTAL				8050.47 Z
	Add Cess @ 1% on "Z"				80.50
	Cost per cum.				8130.98
	Say				8131.00

6.29 **Brick work with common burnt clay machine moulded F.P.S. (non modular) bricks of class designation 12.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).**

6.29.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7903	Details of cost for 1 cum. MATERIAL Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5				
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos 1000 Nos	0.494 0.494	4700.00 437.15	2321.80 215.95
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3686.30	921.58
9999	Sundries i/c steel / wooden strips for making grooves LABOUR	L.S.	16.38	2.12	34.73
0123	Mason (brick layer) 1st class	day	0.36	784.00	282.24
0124	Mason (brick layer) 2nd class	day	0.36	714.00	257.04
0115	Coolie	day	1.37	645.00	883.65
0101	Bhisti	day	0.20	714.00	142.80
	TOTAL				5059.78 W
	Add 1 % Water charges on "W"				50.60
	TOTAL				5110.38 X
	Add GST on "X" (multiplying factor 0.1405)				718.01
	TOTAL				5828.39 Y
	Add 15% CPOH on "Y"				874.26
	TOTAL				6702.65 Z
	Add Cess @ 1% on "Z"				67.03
	Cost of 1 Cum.				6769.67
	Say				6769.65

6.29.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7903	Details of cost for 1 cum. MATERIAL Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5				
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos 1000 Nos	0.494 0.494	4700.00 437.15	2321.80 215.95
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3686.30	921.58
9999	Sundries i/c steel / wooden strips for making grooves LABOUR	L.S.	16.38	2.12	34.73
0123	Mason (brick layer) 1st class	day	0.44	784.00	344.96
0124	Mason (brick layer) 2nd class	day	0.44	714.00	314.16

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
0115	Extra labour for lifting of material (above floor two level up to floor five level)	day	1.13	645.00	728.85
9999	Coolie	L.S.	22.36	2.12	47.40
	Sundries				6233.23 W
	TOTAL				62.33
	Add 1 % Water charges on "W"				6295.56 X
	TOTAL				884.53
	Add GST on "X" (multiplying factor 0.1405)				7180.08 Y
	TOTAL				1077.01
	Add 15% CPOH on "Y"				8257.10 Z
	TOTAL				82.57
	Add Cess @ 1% on "Z"				8339.67
	Cost of 1 Cum.				8339.65
	Say				

6.30 Brick work with common burnt clay machine moulded perforated F.P.S. (non modular) bricks of class designation 12.5 conforming IS : 2222 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.30.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7901	Details of cost for 1 cum. MATERIAL Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5				
2201	Carriage of Bricks	1000 Nos	0.494	4200.00	2074.80
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.494	437.15	215.95
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3686.30	921.58
9999	Sundries i/c steel / wooden strips for making grooves LABOUR	L.S.	16.38	2.12	34.73
0123	Mason (brick layer) 1st class	day	0.36	784.00	282.24
0124	Mason (brick layer) 2nd class	day	0.36	714.00	257.04
0115	Coolie	day	1.37	645.00	883.65
0101	Bhisti	day	0.20	714.00	142.80
	TOTAL				4812.78 W
	Add 1 % Water charges on "W"				48.13
	TOTAL				4860.91 X
	Add GST on "X" (multiplying factor 0.1405)				682.96
	TOTAL				5543.87 Y
	Add 15% CPOH on "Y"				831.58
	TOTAL				6375.45 Z
	Add Cess @ 1% on "Z"				63.75
	Cost of 1 Cum.				6439.20
	Say				6439.20

6.30.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7901	Details of cost for 1 cum. MATERIAL Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5				
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos 1000 Nos	0.494 0.494	4200.00 437.15	2074.80 215.95
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3686.30	921.58
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.12	34.73
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	784.00	368.48
0124	Mason (brick layer) 2nd class	day	0.47	714.00	335.58
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	645.00	728.85
9999	Sundries	L.S.	22.36	2.12	47.40
	TOTAL				6031.17 W
	Add 1 % Water charges on "W"				60.31
	TOTAL				6091.48 X
	Add GST on "X" (multiplying factor 0.1405)				855.85
	TOTAL				6947.33 Y
	Add 15% CPOH on "Y"				1042.10
	TOTAL				7989.43 Z
	Add Cess @ 1% on "Z"				79.89
	Cost of 1 Cum.				8069.32
	Say				8069.30

6.31 Brick work with common burnt clay machine moulded perforated modular bricks of class designation 12.5 conforming to IS : 2222 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.31.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7902	Details of cost for 1 cum. MATERIAL Machine moulded common burnt clay modular perforated bricks of class designation 12.5				
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos 1000 Nos	0.487 0.487	4800.00 437.15	2337.60 212.89
3.11	Cement mortar 1 : 6 (1 cement : 6 coarse sand) (Rate as per item No 3.11)	cum	0.22	3686.30	810.99

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries i/c steel / wooden strips for making grooves LABOUR	L.S.	16.38	2.12	34.73
0123	Mason (brick layer) 1st class	day	0.33	784.00	258.72
0124	Mason (brick layer) 2nd class	day	0.33	714.00	235.62
0115	Coolie	day	1.00	645.00	645.00
0101	Bhisti	day	0.18	714.00	128.52
	TOTAL				4664.06 W
	Add 1 % Water charges on "W"				46.64
	TOTAL				4710.70 X
	Add GST on "X" (multiplying factor 0.1405)				661.85
	TOTAL				5372.56 Y
	Add 15% CPOH on "Y"				805.88
	TOTAL				6178.44 Z
	Add Cess @ 1% on "Z"				61.78
	Cost of 1 Cum.				6240.23
	Say				6240.25

6.31.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7902	Details of cost for 1 cum. MATERIAL				
	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	0.487	4800.00	2337.60
2201	Carriage of Bricks	1000 Nos	0.487	437.15	212.89
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3686.30	810.99
9999	Sundries i/c steel / wooden strips for making grooves LABOUR	L.S.	16.38	2.12	34.73
0123	Mason (brick layer) 1st class	day	0.44	784.00	344.96
0124	Mason (brick layer) 2nd class	day	0.44	714.00	314.16
0115	Coolie	day	1.43	645.00	922.35
0101	Bhisti	day	0.18	714.00	128.52
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	645.00	728.85
9999	Sundries	L.S.	22.36	2.12	47.40
	TOTAL				5882.45 W
	Add 1 % Water charges on "W"				58.82
	TOTAL				5941.27 X
	Add GST on "X" (multiplying factor 0.1405)				834.75
	TOTAL				6776.02 Y
	Add 15% CPOH on "Y"				1016.40
	TOTAL				7792.42 Z
	Add Cess @ 1% on "Z"				77.92
	Cost of 1 Cum.				7870.35
	Say				7870.35

6.32 Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in :
6.32.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7008	Details of cost for 1 cum. MATERIAL F.P.S.(non modular) clay fly ash bricks class designation 7.5 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.494	4500.00	2223.00
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.25	4355.20	1088.80
2201	Carriage of Bricks	1000 Nos	0.494	437.15	215.95
9999	Sundries	L.S.	2.73	2.12	5.79
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	784.00	368.48
0124	Mason (brick layer) 2nd class	day	0.47	714.00	335.58
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
9999	Scaffolding	L.S.	8.97	2.12	19.02
	Extra labour element required for lifting of materials above floor two level upto floor V level ($0.75 \times 1.5 = 1.13$)				
0115	Coolie	day	1.13	645.00	728.85
	TOTAL				6289.27 W
	Add 1 % Water charges on "W"				62.89
	TOTAL				6352.16 X
	Add GST on "X" (multiplying factor 0.1405)				892.48
	TOTAL				7244.64 Y
	Add 15% CPOH on "Y"				1086.70
	TOTAL				8331.33 Z
	Add Cess @ 1% on "Z"				83.31
	Cost per cum.				8414.65
	Say				8414.65

6.32.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7008	Details of cost for 1 cum. MATERIAL F.P.S.(non modular) clay fly ash bricks class designation 7.5 Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.494	4500.00	2223.00
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3686.30	921.58
2201	Carriage of Bricks	1000 Nos	0.494	437.15	215.95
9999	Sundries	L.S.	2.73	2.12	5.79
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	784.00	368.48
0124	Mason (brick layer) 2nd class	day	0.47	714.00	335.58
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding Extra labour element required for lifting of materials above floor two level upto floor V level $(0.75 \times 1.5 = 1.13)$	L.S.	8.97	2.12	19.02
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per cum. Say	day	1.13	645.00	728.85 6122.04 W 61.22 6183.26 X 868.75 7052.01 Y 1057.80 8109.81 Z 81.10 8190.91 8190.90

6.34 Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :

6.34.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7737	Details of cost for 1 cum. MATERIAL Fly ash bricks conforming to I.S. 12894 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.487	3950.00	1923.65
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4355.20	958.14
2201	Carriage of Bricks	1000 Nos	0.487	437.15	212.89
9999	Sundries	L.S.	2.73	2.12	5.79
0123	LABOUR Mason (brick layer) 1st class	day	0.47	784.00	368.48
0124	Mason (brick layer) 2nd class	day	0.47	714.00	335.58
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
9999	Scaffolding	L.S.	22.36	2.12	47.40
0115	Extra labour element required for lifting of materials above floor two level upto floor V level ($0.75 \times 1.5 = 1.13$)	day	1.13	645.00	728.85 5884.59 W 58.85 5943.43 X 835.05 6778.49 Y 1016.77 7795.26 Z 77.95 7873.21 7873.20

6.34.2 Cement mortar 1:6 (1 cement : 6 Coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7737	Details of cost for 1 cum. MATERIAL Fly ash bricks conforming to I.S. 12894 Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.487	3950.00	1923.65
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3686.30	810.99
2201	Carriage of Bricks	1000 Nos	0.487	437.15	212.89
9999	Sundries	L.S.	2.73	2.12	5.79
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	784.00	368.48
0124	Mason (brick layer) 2nd class	day	0.47	714.00	335.58
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
9999	Scaffolding	L.S.	22.36	2.12	47.40
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)				
0115	Coolie	day	1.13	645.00	728.85
	TOTAL				5737.43 W
	Add 1 % Water charges on "W"				57.37
	TOTAL				5794.80 X
	Add GST on "X" (multiplying factor 0.1405)				814.17
	TOTAL				6608.97 Y
	Add 15% CPOH on "Y"				991.35
	TOTAL				7600.32 Z
	Add Cess @ 1% on "Z"				76.00
	Cost per cum.				7676.32
	Say				7676.30

6.35 Brick work with modular calcium silicate bricks machine moulded conforming to IS:4139, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :

6.35.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7738	Details of cost for 1 cum. MATERIAL Calcium Silicate Bricks machine moulded confirming to I.S. 4139 - 1989 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.487	5050.00	2459.35
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4355.20	958.14
2201	Carriage of Bricks	1000 Nos	0.487	437.15	212.89
9999	Sundries	L.S.	2.73	2.12	5.79
0123	Mason (brick layer) 1st class	day	0.47	784.00	368.48

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	Mason (brick layer) 2nd class	day	0.47	714.00	335.58
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
9999	Scaffolding	L.S.	22.36	2.12	47.40
	Extra labour element required for lifting of materials above floor two level upto floor V level ($0.75 \times 1.5 = 1.13$)				
0115	Coolie	day	1.13	645.00	728.85
	TOTAL				6420.29 W
	Add 1 % Water charges on "W"				64.20
	TOTAL				6484.49 X
	Add GST on "X" (multiplying factor 0.1405)				911.07
	TOTAL				7395.56 Y
	Add 15% CPOH on "Y"				1109.33
	TOTAL				8504.89 Z
	Add Cess @ 1% on "Z"				85.05
	Cost per cum.				8589.94
	Say				8589.95

6.35.2 Cement mortar 1:6 (1 cement : 6 Coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7738	Details of cost for 1 cum. MATERIAL Calcium Silicate Bricks machine moulded confirming to I.S. 4139 - 1989 Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.487	5050.00	2459.35
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3686.30	810.99
2201	Carriage of Bricks	1000 Nos	0.487	437.15	212.89
9999	Sundries	L.S.	2.73	2.12	5.79
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	784.00	368.48
0124	Mason (brick layer) 2nd class	day	0.47	714.00	335.58
0115	Coolie	day	1.80	645.00	1161.00
0101	Bhisti	day	0.20	714.00	142.80
9999	Scaffolding	L.S.	22.36	2.12	47.40
	Extra labour element required for lifting of materials above floor two level upto floor V level ($0.75 \times 1.5 = 1.13$)				
0115	Coolie	day	1.13	645.00	728.85
	TOTAL				6273.13 W
	Add 1 % Water charges on "W"				62.73
	TOTAL				6335.86 X
	Add GST on "X" (multiplying factor 0.1405)				890.19
	TOTAL				7226.05 Y
	Add 15% CPOH on "Y"				1083.91
	TOTAL				8309.96 Z
	Add Cess @ 1% on "Z"				83.10
	Cost per cum.				8393.06
	Say				8393.05

6.36 Brick work with modular extruded brunt fly ash clay sewer bricks (Conforming to IS: 4885) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth :

6.36.1 Cement Mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7736	Details of cost for 1 cum. MATERIAL Extruded burnt flyash clay sewer bricks conforming to I.S 4885 - 1988 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.487	5000.00	2435.00
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4355.20	958.14
2201	Carriage of Bricks	1000 Nos	0.487	437.15	212.89
9999	Sundries	L.S.	2.73	2.12	5.79
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	784.00	258.72
0124	Mason (brick layer) 2nd class	day	0.33	714.00	235.62
0115	Coolie	day	1.00	645.00	645.00
0101	Bhisti	day	0.18	714.00	128.52
	TOTAL			4879.68	W
	Add 1 % Water charges on "W"			48.80	
	TOTAL			4928.48	X
	Add GST on "X" (multiplying factor 0.1405)			692.45	
	TOTAL			5620.93	Y
	Add 15% CPOH on "Y"			843.14	
	TOTAL			6464.07	Z
	Add Cess @ 1% on "Z"			64.64	
	Cost per cum.			6528.71	
	Say			6528.70	

6.37 Brick work with modular extruded brunt fly ash clay sewer bricks (conforming to IS : 4885) in arches in foundation and plinth in cement mortar 1:3 (1 cement : 3 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7736	Details of cost for 1 cum. MATERIAL Extruded burnt flyash clay sewer bricks conforming to I.S 4885 - 1988 Cement Mortar 1:3 (1 cement : 3 fine sand).	1000 Nos	0.487	5000.00	2435.00
3.3	Rate as per item no 3.3 SH Mortar	cum	0.25	4382.15	1095.54
2201	Carriage of Bricks	1000 Nos	0.487	437.15	212.89
9999	Sundries	L.S.	2.73	2.12	5.79
5.9.9	Centering and shuttering Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	1826.25	4109.06 A
0123	Mason (brick layer) 1st class	day	0.42	784.00	329.28
0124	Mason (brick layer) 2nd class	day	0.42	714.00	299.88
0115	Coolie	day	1.86	645.00	1199.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost per cum. Say	day	0.20	714.00	142.80 9829.94 W 57.21 9887.15 X 811.82 10698.97 Y 988.49 11687.46 Z 75.78 11763.24 11763.25

6.38 Providing and laying Autoclaved Aerated concrete (AAC) blocks masonry 100 mm/ 125 mm thick with Grade- I AAC blocks of density 551 to 650 Kg/ cum conforming to IS: 2185 (Parts-3) in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8655	Details of cost for 1 cum. MATERIAL Autoclaved aerated concrete (AAC) blocks (grade- I of density 551 to 650kg/ cum).	cum	1.00	2650.00	2650.00
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	cum	0.15	4355.20	653.28
2208	Rate as per Item Number 3.9 of SH: Mortars	cum	1.00	163.93	163.93
9999	Carriage of Lime/ AAC Blocks	L.S.	2.73	2.12	5.79
	Sundries				
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.36	784.00	282.24
0124	Mason (brick layer) 2nd class	day	0.36	714.00	257.04
0115	Coolie	day	1.37	645.00	883.65
0101	Bhisti	day	0.20	714.00	142.80
5.22.1	Reinforcement bars	kg	13.20	88.95	1174.14 A
	Rate as per item no. 5.22.1 of SH : Reinforced cement concrete work				
	Extra labour element required for lifting of materials (above floor two level upto floor five level)(0.75 x 1.5 =1.13).				
0115	Extra labour element required for lifting of materials (above floor two level upto floor five level)(0.75 x 1.5 =1.13).	day	1.13	645.00	728.85 6941.72 W 57.68 6999.39 X
	Coolie				
	TOTAL				
	Add 1 % Water charges on "W-A"				
	TOTAL				
	Add GST on "X-A" (multiplying factor 0.1405)				
	TOTAL				
	Add 15% CPOH on "Y-A"				
	TOTAL				
	Add Cess @ 1% on "Z-A"				
	Cost of 1 Cum.				
	Say				

6.40 Providing and laying Gypsum panel partitions 100 mm thick with water proof Gypsum panels of size 666x500x100 mm, made of calcite phosphor Gypsum with tongue and groove edges and jointed with bonding plaster as per manufacturer's specifications in superstructure above plinth level up to floor V level. Gypsum blocks will have a minimum compressive strength of 9.3 kg/cm²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8656	Details of cost for 10 sqm MATERIAL Gypsum panel 666 X 500 X 100 mm size.	sqm	10.00	480.00	4800.00
8657	Bonding plaster for Gypsum panel.	kg	25.00	25.50	637.50
9999	Sundries & scaffolding	L.S.	13.52	2.12	28.66
0123	LABOUR Mason (brick layer) 1st class	day	0.50	784.00	392.00
0114	Beldar	day	1.00	645.00	645.00
	TOTAL				6503.16 W
	Add 1 % Water charges on "W"				65.03
	TOTAL				6568.19 X
	Add GST on "X" (multiplying factor 0.1405)				922.83
	TOTAL				7491.03 Y
	Add 15% CPOH on "Y"				1123.65
	TOTAL				8614.68 Z
	Add Cess @ 1% on "Z"				86.15
	Cost for 10 sqm				8700.83
	Cost for 1 sqm				870.08
	Say				870.10

6.41 Extra for Gypsum panel Partitions in superstructure above floor V level for every four floors or part thereof.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Details of cost for 10 sqm. per four floor Extra labour element for lifting of materials above floor V level. Coolie	day	1.73	645.00	1115.85
	TOTAL				1115.85 W
	Add 1 % Water charges on "W"				11.16
	TOTAL				1127.01 X
	Add GST on "X" (multiplying factor 0.1405)				158.34
	TOTAL				1285.35 Y
	Add 15% CPOH on "Y"				192.80
	TOTAL				1478.16 Z
	Add Cess @ 1% on "Z"				14.78
	Cost for 10 sqm.				1492.94
	Cost for 1 sqm				149.29
	Say				149.30

6.44 Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10m length Excavation and disposal of surplus earth 2nd class bricks = 42 nos. + Add wastage @ 10% = 4.2 nos. Total = 46.2 nos. Say 46.00 nos.	L.S.	2.73	2.12	5.79
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.046	4590.00	211.14
2201	Carriage of Bricks	1000 Nos	0.046	437.15	20.11
3.4	Cement mortar 1 : 4 (1 cement : 4 fine sand)	cum	0.0036	3713.20	13.37
0155	Rate as per Item Number 3.4 of SH: Mortars	day	0.10	749.00	74.90
0114	LABOUR	day	0.10	645.00	64.50
0101	Mason (average)	day	0.03	714.00	21.42
9999	Beldar	L.S.	2.73	2.12	5.79
	TOTAL				417.01 W
	Add 1 % Water charges on "W"				4.17
	TOTAL				421.18 X
	Add GST on "X" (multiplying factor 0.1405)				59.18
	TOTAL				480.36 Y
	Add 15% CPOH on "Y"				72.05
	TOTAL				552.41 Z
	Add Cess @ 1% on "Z"				5.52
	Cost of 10 metres				557.94
	Cost of 1 metre				55.79
	Say				55.80

6.45 Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level.

6.45.1 Cement mortar 1 : 3 (1 cement : 3 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7737	Details of cost for 10 sqm. MATERIAL Fly ash bricks conforming to I.S. 12894 Cement mortar 1:3 (1 cement : 3 coarse sand)	1000 Nos	0.565	3950.00	2231.75
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.28	5024.15	1406.76
2201	Carriage of Bricks	1000 Nos	0.565	437.15	246.99
9999	Sundries & Scaffolding	L.S.	13.52	2.12	28.66
0123	LABOUR	day	0.60	784.00	470.40
0124	Mason (brick layer) 1st class	day	0.60	714.00	428.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	2.00	645.00	1290.00
0101	Bhisti	day	0.70	714.00	499.80
0115	Extra labour for lifting of material (above floor two level up to floor five level)	day	1.29	645.00	832.05
	Coolie				7434.81 W
	TOTAL				74.35
	Add 1 % Water charges on "W"				7509.16 X
	TOTAL				1055.04
	Add GST on "X" (multiplying factor 0.1405)				8564.20 Y
	TOTAL				1284.63
	Add 15% CPOH on "Y"				9848.83 Z
	TOTAL				98.49
	Add Cess @ 1% on "Z"				9947.32
	Cost for 10 sqm.				994.73
	Cost for 1 sqm.				994.75
	Say				

6.45.2 Cement mortar 1 : 4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7737	Details of cost for 10 sqm. MATERIAL Fly ash bricks conforming to I.S. 12894	1000 Nos	0.565	3950.00	2231.75
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	cum	0.28	4355.20	1219.46
2201	Rate as per Item Number 3.9 of SH: Mortars	1000 Nos	0.565	437.15	246.99
9999	Carriage of Bricks	L.S.	13.52	2.12	28.66
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	784.00	470.40
0124	Mason (brick layer) 2nd class	day	0.60	714.00	428.40
0115	Coolie	day	2.00	645.00	1290.00
0101	Bhisti	day	0.70	714.00	499.80
0115	Extra labour for lifting of material (above floor two level up to floor five level)	day	1.29	645.00	832.05
	Coolie				7247.51 W
	TOTAL				72.48
	Add 1 % Water charges on "W"				7319.98 X
	TOTAL				1028.46
	Add GST on "X" (multiplying factor 0.1405)				8348.44 Y
	TOTAL				1252.27
	Add 15% CPOH on "Y"				9600.71 Z
	TOTAL				96.01
	Add Cess @ 1% on "Z"				9696.71
	Cost for 10 sqm.				969.67
	Cost for 1 sqm.				969.65
	Say				

6.47 Providing and laying Autoclaved Aerated concrete (AAC) blocks masonry 150mm/230mm/300 mm thick with Grade- I AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8655	Details of cost for 1 cum. MATERIAL Autoclaved aerated concrete (AAC) blocks (grade- I of density 551 to 650 kg/ cum)	cum	1.00	2650.00	2650.00
2208	Carriage of ACC blocks	cum	1.00	163.93	163.93
0357	Polymer modified adhesive mortar	Kg	30.00	14.00	420.00
9999	Sundries	L.S.	2.73	2.12	5.79
	LABOUR				
0123	Mason (brick layer) 1 st class	day	0.36	784.00	282.24
0124	Mason (brick layer) 2nd class	day	0.36	714.00	257.04
0115	Coolie Extra labour element required for lifting of materials (above floor two level upto floor five level) (0.75x1.50 = 1.13)	day	1.37	645.00	883.65
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum Say	day	1.13	645.00	728.85 5391.50 W 53.92 5445.42 X 765.08 6210.50 Y 931.58 7142.08 Z 71.42 7213.50 7213.50

SUB HEAD : 7.0

STONE WORK

- 7.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :**
- 7.1.1 Cement mortar 1:6 (1 cement : 6 coarse sand)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum MATERIAL	cum	1.00	1100.00	1100.00
1154	Stone for masonry work Through and bond stone size 24 x24 x39 cm Carriage:	100 Nos	0.07	5000.00	350.00
2215	Carriage of Soling stone & masonry stone $7.00 \times 24 \text{cm} \times 24 \text{cm} \times 39 \text{cm} = 0.16 \text{ cum.}$ 1.00cum. + 0.16 cum. = 1.16 cum. Cement mortar 1 : 6 (1 cement : 6 coarse sand)	cum	1.16	192.86	223.72
3.11	Rate as per Item Number 3.11 of SH: Mortars LABOUR	cum	0.33	3686.30	1216.48
0125	Mason (for plain stone work) 2nd class)	day	1.07	714.00	763.98
0114	Beldar	day	1.07	645.00	690.15
0115	Coolie	day	0.71	645.00	457.95
0101	Bhisti	day	0.09	714.00	64.26
9999	Cement concrete 1:6:12	L.S.	45.76	2.12	97.01
9999	Sundries	L.S.	4.42	2.12	9.37
	TOTAL				4972.92 W
	Add 1 % Water charges on "W"				49.73
	TOTAL				5022.65 X
	Add GST on "X" (multiplying factor 0.1405)				705.68
	TOTAL				5728.33 Y
	Add 15% CPOH on "Y"				859.25
	TOTAL				6587.58 Z
	Add Cess @ 1% on "Z"				65.88
	Cost of 1 cum.				6653.45
	Say				6653.45

- 7.2 Random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at window sills, ceiling level and the like.**

- 7.2.1 Cement mortar 1:6 (1 cement : 6 coarse sand)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum MATERIAL	cum	1.00	1100.00	1100.00
1154	Stone for masonry work Through and bond stone size 24 x 24 x39 cm Carriage of stone-	100 Nos	0.07	5000.00	350.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.00cum. + 0.16 cum. = 1.16 cum. Cement mortar 1 : 6 (1 cement : 6 coarse sand)	cum	1.16	192.86	223.72
3.11	Rate as per Item Number 3.11 of SH: Mortars LABOUR	cum	0.33	3686.30	1216.48
0125	Mason (for plain stone work) 2nd class	day	1.34	714.00	956.76
0114	Beldar	day	1.45	645.00	935.25
0115	Coolie	day	0.71	645.00	457.95
0101	Bhisti	day	0.09	714.00	64.26
9999	Cement concrete 1:6:12 Extra labour for lifting of material (above floor two level up to floor five level)	L.S.	56.55	2.12	119.89
0115	Coolie	day	1.13	645.00	728.85
9999	Sundries	L.S.	15.21	2.12	32.25
	TOTAL				6185.40 W
	Add 1 % Water charges on "W"				61.85
	TOTAL				6247.25 X
	Add GST on "X" (multiplying factor 0.1405)				877.74
	TOTAL				7124.99 Y
	Add 15% CPOH on "Y"				1068.75
	TOTAL				8193.74 Z
	Add Cess @ 1% on "Z"				81.94
	Cost of 1 cum.				8275.68
	Say				8275.70

7.4 Extra for random rubble masonry with hard stone in :

7.4.1 Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0125	Details of cost for 1 cum LABOUR	day	0.58	714.00	414.12
0115	Mason (for plain stone work) 2nd class	day	0.27	645.00	174.15
	Coolie				588.27 W
	TOTAL				5.88
	Add 1 % Water charges on "W"				594.15 X
	TOTAL				83.48
	Add GST on "X" (multiplying factor 0.1405)				677.63 Y
	TOTAL				101.64
	Add 15% CPOH on "Y"				779.28 Z
	TOTAL				7.79
	Add Cess @ 1% on "Z"				787.07
	Cost of 1 cum.				787.05
	Say				

7.4.2 Circular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum				
2215	Stone for masonry work	cum	0.29	1100.00	319.00
	Carriage of Soling stone & masonry stone	cum	0.29	192.86	55.93
	LABOUR				
0125	Labour for cutting and dressing stones-				
0115	Mason (for plain stone work) 2nd class)	day	1.42	714.00	1013.88
	Coolie	day	0.35	645.00	225.75
	TOTAL				1614.56 W
	Add 1 % Water charges on "W"				16.15
	TOTAL				1630.70 X
	Add GST on "X" (multiplying factor 0.1405)				229.11
	TOTAL				1859.82 Y
	Add 15% CPOH on "Y"				278.97
	TOTAL				2138.79 Z
	Add Cess @ 1% on "Z"				21.39
	Cost of 1 cum				2160.18
	Say				2160.20

7.5 Extra for random rubble masonry with hard stone curved on plan for a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum				
2215	Stone for masonry work	cum	0.10	1100.00	110.00
	Carriage of Soling stone & masonry stone	cum	0.10	192.86	19.29
	LABOUR				
0125	Labour for cutting and dressing stones-				
0115	Mason (for plain stone work) 2nd class)	day	0.27	714.00	192.78
	Coolie	day	0.53	645.00	341.85
	TOTAL				663.92 W
	Add 1 % Water charges on "W"				6.64
	TOTAL				670.56 X
	Add GST on "X" (multiplying factor 0.1405)				94.21
	TOTAL				764.77 Y
	Add 15% CPOH on "Y"				114.72
	TOTAL				879.48 Z
	Add Cess @ 1% on "Z"				8.79
	Cost of 1 cum.				888.28
	Say				888.30

7.6 Coursed rubble masonry (first sort) with hard stone in foundation and plinth with :

7.6.1 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3686.30	1105.89
1157	Stone for masonry work	cum	1.21	1100.00	1331.00
1154	Through and bond stone size 24 x24 x39 cm	100 Nos	0.07	5000.00	350.00
2215	Carriage of Soling stone & masonry stone $7.00 \times 24 \text{cm} \times 24 \text{cm} \times 39 \text{cm} = 0.16 \text{ cum.}$ $1.21 + 0.16 = 1.37 \text{ Cum}$	cum	1.37	192.86	264.22
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.12	714.00	1513.68
0114	Beldar	day	1.24	645.00	799.80
0115	Coolie	day	0.71	645.00	457.95
0101	Bhisti	day	0.09	714.00	64.26
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				5915.46 W
	Add 1 % Water charges on "W"				59.15
	TOTAL				5974.62 X
	Add GST on "X" (multiplying factor 0.1405)				839.43
	TOTAL				6814.05 Y
	Add 15% CPOH on "Y"				1022.11
	TOTAL				7836.16 Z
	Add Cess @ 1% on "Z"				78.36
	Cost of 1 cum.				7914.52
	Say				7914.50

7.7 Coursed rubble masonry (second sort) with hard stone in foundation & plinth with :

7.7.1 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3686.30	1105.89
1157	Stone for masonry work	cum	1.10	1100.00	1210.00
1154	Through and bond stone size 24 x 24 x39 cm Carriage:	100 Nos	0.07	5000.00	350.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.10+0.16 cum = 1.26 cum. LABOUR	cum	1.26	192.86	243.00
0125	Mason (for plain stone work) 2nd class)	day	1.76	714.00	1256.64
0114	Beldar	day	1.24	645.00	799.80
0115	Coolie	day	0.71	645.00	457.95
0101	Bhisti	day	0.09	714.00	64.26
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				5516.21 W
	Add 1 % Water charges on "W"				55.16
	TOTAL				5571.37 X
	Add GST on "X" (multiplying factor 0.1405)				782.78
	TOTAL				6354.15 Y
	Add 15% CPOH on "Y"				953.12
	TOTAL				7307.27 Z
	Add Cess @ 1% on "Z"				73.07
	Cost of 1 cum.				7380.34
	Say				7380.35

7.8 Coursed rubble masonry with hard stone (first or second sort) in superstructure above plinth level and upto floor five level.

7.8.1 Masonry work (first sort), in cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3686.30	1105.89
1157	Stone for masonry work	cum	1.21	1100.00	1331.00
1154	Through and bond stone size 24 x 24 x39 cm	100 Nos	0.07	5000.00	350.00
2215	Carriage of Soling stone & masonry stone 7.00 x 24 cm x24 cm x 39 cm = 0.16 cum. 1.21 cum. + 0.16 cum = 1.37 cum LABOUR	cum	1.37	192.86	264.22
0125	Mason (for plain stone work) 2nd class)	day	2.38	714.00	1699.32
0114	Beldar	day	1.59	645.00	1025.55
0115	Coolie	day	0.71	645.00	457.95
0101	Bhisti	day	0.09	714.00	64.26
0115	Extra labour for lifting of material (above floor two level up to floor five level) Coolie	day	1.13	645.00	728.85

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries, scaffolding etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	L.S.	37.70	2.12	79.92 7106.96 W 71.07 7178.03 X 1008.51 8186.55 Y 1227.98 9414.53 Z 94.15 9508.67 9508.65

7.8.2 Masonry work (second sort), in cement mortar 1:6 (1 cement: 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.11	Details of cost for 1 cum MATERIAL Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
1157	Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3686.30	1105.89
1154	Stone for masonry work	cum	1.10	1100.00	1210.00
2215	Through and bond stone size 24 x24 x39 cm Carriage: Carriage of Soling stone & masonry stone $7.00 \times 24\text{cm} \times 24\text{cm} \times 39\text{cm} = 0.16 \text{ cum.}$ $1.10 + 0.16 \text{ cum} = 1.26 \text{ cum.}$	100 Nos	0.07	5000.00	350.00
0125	LABOUR Mason (for plain stone work) 2nd class	cum	1.26	192.86	243.00
0114	Beldar	day	2.02	714.00	1442.28
0115	Coolie	day	1.59	645.00	1025.55
0101	Bhisti	day	0.71	645.00	457.95
	Extra labour for lifting of material (above floor two level up to floor five level)	day	0.09	714.00	64.26
0115	Coolie	day	1.13	645.00	728.85
9999	Sundries, scaffolding etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 cum. Say	L.S.	37.70	2.12	79.92 6707.71 W 67.08 6774.78 X 951.86 7726.64 Y 1159.00 8885.64 Z 88.86 8974.49 8974.50

**7.10 Extra for coursed rubble masonry with hard stone (first or second sort) in:
7.10.1 Square or rectangular pillars**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0125	Details of cost for 1 cum LABOUR				
0115	Mason (for plain stone work) 2nd class	day	0.67	714.00	478.38
	Coolie	day	0.27	645.00	174.15
	TOTAL				652.53 W
	Add 1 % Water charges on "W"				6.53
	TOTAL				659.06 X
	Add GST on "X" (multiplying factor 0.1405)				92.60
	TOTAL				751.65 Y
	Add 15% CPOH on "Y"				112.75
	TOTAL				864.40 Z
	Add Cess @ 1% on "Z"				8.64
	Cost of 1 cum.				873.04
	Say				873.05

7.10.2 Circular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum				
2215	Stone for masonry work	cum	0.32	1100.00	352.00
	Carriage of Soling stone & masonry stone	cum	0.32	192.86	61.72
	LABOUR				
0125	Labour for cutting and dressing :				
0115	Mason (for plain stone work) 2nd class	day	1.67	714.00	1192.38
	Coolie	day	0.35	645.00	225.75
	TOTAL				1831.85 W
	Add 1 % Water charges on "W"				18.32
	TOTAL				1850.16 X
	Add GST on "X" (multiplying factor 0.1405)				259.95
	TOTAL				2110.11 Y
	Add 15% CPOH on "Y"				316.52
	TOTAL				2426.63 Z
	Add Cess @ 1% on "Z"				24.27
	Cost of 1 cum				2450.89
	Say				2450.90

7.11 Extra for coursed rubble masonry with hard stone (first or second sort) curved on plan for a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum				
2215	Extra				
	Stone for masonry work	cum	0.11	1100.00	121.00
	Carriage of Soling stone & masonry stone	cum	0.11	192.86	21.21

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0125	Labour for cutting and dressing: Mason (for plain stone work) 2nd class)	day	0.33	714.00	235.62
0115	Coolie	day	0.53	645.00	341.85
	TOTAL				719.68 W
	Add 1 % Water charges on "W"				7.20
	TOTAL				726.88 X
	Add GST on "X" (multiplying factor 0.1405)				102.13
	TOTAL				829.01 Y
	Add 15% CPOH on "Y"				124.35
	TOTAL				953.36 Z
	Add Cess @ 1% on "Z"				9.53
	Cost of 1 cum.				962.89
	Say				962.90

7.12 Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.12.1 One face dressed

7.12.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm. MATERIAL Red sand stone Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm	10 cudm	1.333	80.00	106.64
2216	Red sand stone block Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne. Say 0.031 t. Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)	tonne	0.031	145.72	4.52
0115	Coolie Dressing charges LABOUR	day	0.015	645.00	9.68
0125	Mason (for plain stone work) 2nd class)	day	0.088	714.00	62.83
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.044	645.00	28.38
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani Fixing charges	day	0.044	714.00	31.42

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0125	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scafolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
	TOTAL				381.15 W
	Add 1 % Water charges on "W"				3.81
	TOTAL				384.96 X
	Add GST on "X" (multiplying factor 0.1405)				54.09
	TOTAL				439.04 Y
	Add 15% CPOH on "Y"				65.86
	TOTAL				504.90 Z
	Add Cess @ 1% on "Z"				5.05
	Cost of 10 cudm.				509.95
	Cost of 1 cum.				50995.00
	Say				50995.00

7.12.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm. MATERIAL White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Extra labour for lifting of materials upto floor V level. (0.01 x 1.50 =0.015)	tonne	0.031	145.72	4.52
0115	Coolie Dressing charges	day	0.015	645.00	9.68
0125	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.088	714.00	62.83
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.044	645.00	28.38
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.044	714.00	31.42
	Fixing charges				
0125	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
	TOTAL				547.77 W
	Add 1 % Water charges on "W"				5.48
	TOTAL				553.25 X
	Add GST on "X" (multiplying factor 0.1405)				77.73
	TOTAL				630.98 Y
	Add 15% CPOH on "Y"				94.65
	TOTAL				725.63 Z
	Add Cess @ 1% on "Z"				7.26
	Cost of 10 cudm.				732.88
	Cost of 1 cum.				73288.00
	Say				73288.00

7.12.2 Both face dressed

7.12.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm. MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm. Cost of stone	10 cudm	1.333	80.00	106.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)	tonne	0.031	145.72	4.52
0115	Coolie Dressing charges	day	0.015	645.00	9.68
0125	Mason (for plain stone work) 2nd class	day	0.176	714.00	125.66
0102	Blacksmith 1st class	day	0.012	784.00	9.41
0114	Beldar	day	0.088	645.00	56.76
0115	Coolie	day	0.044	645.00	28.38
0100	Bandhani	day	0.088	714.00	62.83
	Fixing charges				
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	L.S.	8.06	2.12	17.09 522.67 W 5.23 527.89 X 74.17 602.06 Y 90.31 692.37 Z 6.92 699.30 69930.00 69930.00

7.12.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Extra labour for lifting of material upto floor V level. (0.01 x 1.50 = 0.015)	tonne	0.031	145.72	4.52
0115	Coolie Dressing charges LABOUR	day	0.015	645.00	9.68
0125	Mason (for plain stone work) 2nd class)	day	0.176	714.00	125.66
0102	Blacksmith 1st class	day	0.012	784.00	9.41
0114	Beldar	day	0.088	645.00	56.76
0115	Coolie	day	0.044	645.00	28.38
0100	Bandhani Fixing charges LABOUR	day	0.088	714.00	62.83
0125	Mason (for plain stone work) 2nd class)	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	L.S.	8.06	2.12	17.09 689.29 W 6.89 696.19 X 97.81 794.00 Y 119.10 913.10 Z 9.13 922.23 92223.00 92223.00

7.13 Stone work plain ashlar in arches in super structure upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand) including centering, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.13.1 One face dressed

7.13.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	80.00	106.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class	day	0.088	714.00	62.83
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.044	645.00	28.38
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.044	714.00	31.42
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
9999	Centering and shuttering	L.S.	13.52	2.12	28.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Extra for using white cement	L.S.	8.06	2.12	17.09
0115	Extra labour for lifting of material (above floor two level up to floor five level) (0.01 x 1.5 = 0.015)	day	0.015	645.00	9.68 426.89 W 4.27 431.16 X
	Coolie				
	TOTAL				60.58 491.74 Y 73.76 565.50 Z
	Add 1 % Water charges on "W"				5.66
	TOTAL				571.16
	Add GST on "X" (multiplying factor 0.1405)				57116.00
	TOTAL				57116.00
	Add 15% CPOH on "Y"				
	TOTAL				
	Add Cess @ 1% on "Z"				
	Cost of 10 cudm.				
	Cost of 1 cum.				
	Say				

7.13.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 =30.659 kg = 0.03065 tonne say 0.031t Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class	day	0.088	714.00	62.83
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.044	645.00	28.38
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.044	714.00	31.42
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
9999	Centering and shuttering	L.S.	13.52	2.12	28.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Extra for using white cement	L.S.	8.06	2.12	17.09
0115	Extra labour for lifting of material (above floor two level up to floor five level) ($0.01 \times 1.5 = 0.015$) Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	day	0.015	645.00	9.68 593.52 W 5.94 599.45 X 84.22 683.68 Y 102.55 786.23 Z 7.86 794.09 79409.00 79409.00

7.13.2 Both face dressed

7.13.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	80.00	106.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class	day	0.176	714.00	125.66
0102	Blacksmith 1st class	day	0.012	784.00	9.41
0114	Beldar	day	0.088	645.00	56.76
0115	Coolie	day	0.044	645.00	28.38
0100	Bandhani	day	0.088	714.00	62.83
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
9999	Centering and shuttering	L.S.	13.52	2.12	28.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Extra for using white cement	L.S.	8.06	2.12	17.09
0115	Extra labour for lifting of material (above floor two level up to floor five level) ($0.01 \times 1.5 = 0.015$) Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	day	0.015	645.00	9.68 568.42 W 5.68 574.10 X 80.66 654.76 Y 98.21 752.98 Z 7.53 760.51 76051.00 76051.00

7.13.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class	day	0.176	714.00	125.66
0102	Blacksmith 1st class	day	0.012	784.00	9.41
0114	Beldar	day	0.088	645.00	56.76
0115	Coolie	day	0.044	645.00	28.38
0100	Bandhani	day	0.088	714.00	62.83
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
9999	Centering and shuttering	L.S.	13.52	2.12	28.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Extra for using white cement Extra labour for lifting of material (above floor two level up to floor five level) ($0.01 \times 1.5 = 0.015$)	L.S.	8.06	2.12	17.09
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	day	0.015	645.00	9.68 735.04 W 7.35 742.39 X 104.31 846.70 Y 127.00 973.70 Z 9.74 983.44 98344.00 98344.00

7.14 Stone work plain ashlar in domes , in super structure upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand) including centering, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.14.1 One face dressed

7.14.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	80.00	106.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 =30.659 kg =0.03065 tonne say 0.031 t Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class)	day	0.176	714.00	125.66
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0126	Mason (for ornamental stone work) 1st class	day	0.176	784.00	137.98
0114	Beldar	day	0.044	645.00	28.38
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.044	714.00	31.42
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
9999	Centring and shuttering	L.S.	33.15	2.12	70.28
9999	Extra for using white cement	L.S.	8.06	2.12	17.09
	Extra labour for lifting of material up to floor five level ($0.01 \times 1.5 = 0.015$)				
0115	Coolie	day	0.015	645.00	9.68
	TOTAL				669.33 W
	Add 1 % Water charges on "W"				6.69
	TOTAL				676.02 X
	Add GST on "X" (multiplying factor 0.1405)				94.98
	TOTAL				771.00 Y
	Add 15% CPOH on "Y"				115.65
	TOTAL				886.65 Z
	Add Cess @ 1% on "Z"				8.87
	Cost of 10 cudm.				895.52
	Cost of 1 cum.				89552.00
	Say				89552.00

7.14.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 =30.659 kg =0.03065 tonne say 0.031 t Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class	day	0.176	714.00	125.66
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0126	Mason (for ornamental stone work) 1st class	day	0.176	784.00	137.98
0114	Beldar	day	0.044	645.00	28.38
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani Fixing charges LABOUR	day	0.044	714.00	31.42
0125	Mason (for plain stone work) 2nd class)	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
9999	Centring and shuttering	L.S.	33.15	2.12	70.28
9999	Extra for using white cement	L.S.	8.06	2.12	17.09
	Extra labour for lifting of material up to floor five level ($0.01 \times 1.5 = 0.015$)				
0115	Coolie	day	0.015	645.00	9.68
	TOTAL				835.95 W
	Add 1 % Water charges on "W"				8.36
	TOTAL				844.31 X
	Add GST on "X" (multiplying factor 0.1405)				118.63
	TOTAL				962.94 Y
	Add 15% CPOH on "Y"				144.44
	TOTAL				1107.38 Z
	Add Cess @ 1% on "Z"				11.07
	Cost of 10 cudm.				1118.45
	Cost of 1 cum.				111845.00
	Say				111845.00

7.14.2 Both face dressed

7.14.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm. MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	80.00	106.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = $13.33 \times 2.30 = 30.659$ kg =0.03065 tonne say 0.031 t Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class	day	0.352	714.00	251.33
0102	Blacksmith 1st class	day	0.012	784.00	9.41
0126	Mason (for ornamental stone work) 1st class	day	0.352	784.00	275.97
0114	Beldar	day	0.088	645.00	56.76
0115	Coolie	day	0.044	645.00	28.38
0100	Bandhani Fixing charges LABOUR	day	0.088	714.00	62.83
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
9999	Centring and shuttering	L.S.	33.15	2.12	70.28
9999	Extra for using white cement	L.S.	8.06	2.12	17.09
	Extra labour for lifting of material up to floor five level ($0.01 \times 1.5 = 0.015$)				
0115	Coolie	day	0.015	645.00	9.68
	TOTAL				1011.66 W
	Add 1 % Water charges on "W"				10.12
	TOTAL				1021.78 X
	Add GST on "X" (multiplying factor 0.1405)				143.56
	TOTAL				1165.34 Y
	Add 15% CPOH on "Y"				174.80
	TOTAL				1340.14 Z
	Add Cess @ 1% on "Z"				13.40
	Cost of 10 cudm.				1353.54
	Cost of 1 cum.				135354.00
	Say				135354.00

7.14.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 =30.659 kg =0.03065 tonne say 0.031 t Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class	day	0.352	714.00	251.33
0102	Blacksmith 1st class	day	0.012	784.00	9.41
0126	Mason (for ornamental stone work) 1st class	day	0.352	784.00	275.97
0114	Beldar	day	0.088	645.00	56.76
0115	Coolie	day	0.044	645.00	28.38
0100	Bandhani	day	0.088	714.00	62.83
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
9999	Centring and shuttering	L.S.	33.15	2.12	70.28
9999	Extra for using white cement	L.S.	8.06	2.12	17.09
0115	Extra labour for lifting of material up to floor five level ($0.01 \times 1.5 = 0.015$)	day	0.015	645.00	9.68
	Coolie				1178.29 W
	TOTAL				11.78
	Add 1 % Water charges on "W"				1190.07 X
	TOTAL				167.21
	Add GST on "X" (multiplying factor 0.1405)				1357.28 Y
	TOTAL				203.59
	Add 15% CPOH on "Y"				1560.87 Z
	TOTAL				15.61
	Add Cess @ 1% on "Z"				1576.48
	Cost of 10 cudm.				157648.00
	Cost of 1 cum.				157648.00
	Say				

7.15 Stone work ashlar punched (ordinary) in superstructure upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.15.1 One face dressed

7.15.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	80.00	106.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 =30.659 tonne = 0.03065kg say 0.031 t Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class	day	0.059	714.00	42.13
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.044	645.00	28.38
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.044	714.00	31.42
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level ($0.01 \times 1.50 = 0.015$)	L.S.	8.06	2.12	17.09
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cumd. Cost of 1 cum. Say	day	0.015	645.00	9.68 360.44 W 3.60 364.04 X 51.15 415.19 Y 62.28 477.47 Z 4.77 482.25 48225.00 48225.00

7.15.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cumd or 0.01 cum MATERIAL White sand stone block Finished work = 10 cumd.+ Add wastage @ 33.3% = 3.33 cumd. Total = 13.33 cumd.	10 cumd	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 =30.659 tonne = 0.03065kg say 0.031 t Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class	day	0.059	714.00	42.13
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.044	645.00	28.38
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.044	714.00	31.42
	Fixing charges				
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level ($0.01 \times 1.50 = 0.015$)	L.S.	8.06	2.12	17.09
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	day	0.015	645.00	9.68 527.06 W 5.27 532.33 X 74.79 607.13 Y 91.07 698.20 Z 6.98 705.18 70518.00 70518.00

7.15.2 Both faced punched

7.15.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm	10 cudm	1.333	80.00	106.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = $13.33 \times 2.30 = 30.659$ tonne = 0.03065 kg say 0.031 t. Extra labour for lifting of materials upto floor V level $0.01 \times 1.50 = 0.015$	tonne	0.031	145.72	4.52
0115	Coolie Dressing charges LABOUR	day	0.015	645.00	9.68
0125	Mason (for plain stone work) 2nd class	day	0.118	714.00	84.25
0102	Blacksmith 1st class	day	0.012	784.00	9.41
0114	Beldar	day	0.088	645.00	56.76
0115	Coolie	day	0.044	645.00	28.38
0100	Bandhani Fixing charges LABOUR	day	0.088	714.00	62.83
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scafolding	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	L.S.	8.06	2.12	17.09 481.26 W 4.81 486.07 X 68.29 554.36 Y 83.15 637.51 Z 6.38 643.89 64389.00 64389.00

7.15.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 tonne = 0.03065 kg say 0.031 t. Extra labour for lifting of material upto floor V level. (0.01 x 1.50 = 0.015)	tonne	0.031	145.72	4.52
0115	Coolie Dressing charges LABOUR	day	0.015	645.00	9.68
0125	Mason (for plain stone work) 2nd class	day	0.118	714.00	84.25
0102	Blacksmith 1st class	day	0.012	784.00	9.41
0114	Beldar	day	0.088	645.00	56.76
0115	Coolie	day	0.044	645.00	28.38
0100	Bandhani Fixing charges LABOUR	day	0.088	714.00	62.83
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing	L.S.	8.06	2.12	17.09
	TOTAL				647.88 W
	Add 1 % Water charges on "W"				6.48
	TOTAL				654.36 X
	Add GST on "X" (multiplying factor 0.1405)				91.94
	TOTAL				746.30 Y
	Add 15% CPOH on "Y"				111.94
	TOTAL				858.24 Z
	Add Cess @ 1% on "Z"				8.58
	Cost of 10 cudm.				866.82
	Cost of 1 cum.				86682.00
	Say				86682.00

7.16 Extra for stone work, random rubble / coursed rubble masonry / ashlar masonry above floor V level for every four floors or part thereof.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 10 cudm or 0.01 cum above floor V level Labour required for lifting of material (above floor five level for each additional four floor or part their of) Extra labour for lifting of materials above floor V level ($0.01 \times 2.0 = 0.020$) Beldar TOTAL	day	0.02	645.00	12.90 12.90 W 0.13 13.03 X
	Add 1 % Water charges on "W"				1.83
	TOTAL				14.86 Y
	Add GST on "X" (multiplying factor 0.1405)				2.23
	TOTAL				17.09 Z
	Add 15% CPOH on "Y"				0.17
	TOTAL				17.26
	Add Cess @ 1% on "Z"				1726.00
	Cost of 10 cudm.				1726.00
	Cost of 1 cum.				
	Say				

7.17 Extra for plain ashlar or ashlar punched in :

7.17.1 Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cu dm or 0.01 cum Labour and materials TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cu dm. Cost of 1 cum. Say	L.S.	8.97	2.12	19.02 19.02 W 0.19 19.21 X 2.70 21.91 Y 3.29 25.19 Z 0.25 25.44 2544.00 2544.00

7.18 Extra for stone work; plain ashlar or ashlar punched curved on plan with a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cu dm or 0.01 cum Labour and materials TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cu dm. Cost of 1 cum. Say	L.S.	6.24	2.12	13.23 13.23 W 0.13 13.36 X 1.88 15.24 Y 2.29 17.52 Z 0.18 17.70 1770.00 1770.00

7.19 Extra for additional cost of centering for arches exceeding 6m span including all strutting, bolting, wedging etc. and removal (area of soffit to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 33.31 sqm Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m 2R-2 = 4+4 $\tan^{-1}(4/3)=53.28^\circ$ $2 \times 53.28=106^\circ$ Surface area = $2 \times 22/7 \times 5 \times 3.6x$ $106/360 = 33.31 \text{ sqm.}$ Arc=9.25m				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL Tie-2x8x0.18x0.05 =0.144cum Struts-2x2.5x0.1x0.1 =0.050cum. Struts-2x1.77x0.1x0.1=0.035cum. Ribs-6x1.54x0.23x0.1=0.213cum. Struts-2x1.72x0.1x0.1=0.034cum. Total=0.476cum. For four such frames =0.476x4 = 1.904 cum. laggings-75x3.6x0.125x0.075 =2.531cum. Tie-2x3.6x0.225x0.038=0.062cum. Brace-3x2x2.14x0.225x0.038=0.110 Brace-3x4x3.8x0.225x0.038=0.390 Sleepers-4x3.6x0.20x0.15=0.432 Sleepers-2x4x3.6x0.175x0.075=0.378 Vertical post-4x4x3.6x0.15x0.15=1.296 Total = 7.103cum.				
1197 2204	Second class kail wood in scantling Carriage of Timber Fittings: 3 way straps 50mmx10mm = 32 Nos. 32 no. @0.50m each = 16m Straps-50mmx10mm = 8 Nos. @0.25m each = 2m Total = 18m 18m, wt @ 3.9kg/m = 70.2 kg. = 0.702q Qty taken l/8th of qty for cost using once = 0.702/8 = 0.08775 Qtl	10 cu dm cum	88.79 0.8879	260.00 187.35	23085.40 166.35
1225	Mild steel flat strap fitting Bolts 160 Nos. 254 mm long 16mm dia.- 160x.254xl .58= 64.21 kg=0.64q. Qty taken l/8th of qty for cost using once = 0.64/8 = 0.08 Qtl	quintal	0.0878	4120.00	361.74
1034	Bolts and nuts upto 300 mm in length Carriage of steel = 0.1342t Qty taken l/8th of qty for cost using once = 0.1342/8 = 0.01677 t = 0.0168 t	quintal	0.08	5200.00	416.00
2302	Carriage of G.I.sheet and accessories	tonne	0.0168	145.72	2.45
0112	LABOUR	day	28.00	714.00	19992.00
0114	Carpenter 2nd class	day	24.00	645.00	15480.00
9999	Beldar	L.S.	134.55	2.12	285.25
	Sundries Less Cost of shuttering etc. for an arch exceeding 6 m span i.e. for an average of 8 m span				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.9.9	<p>Rate as per item no 5.9.9 of SH : Reinforced cement concrete work</p> <p>TOTAL</p> <p>Add 1 % Water charges on "W-A"</p> <p>TOTAL</p> <p>Add GST on "X-A" (multiplying factor 0.1405)</p> <p>TOTAL</p> <p>Add 15% CPOH on "Y-A"</p> <p>TOTAL</p> <p>Add Cess @ 1% on "Z-A"</p> <p>Cost of 33.31sqm.</p> <p>Cost per sqm of soffit area</p> <p>Say</p>	sqm	-33.31	1826.25	-60832.39 A -1043.21 W 597.89 -445.32 X 8484.38 8039.07 Y 10330.72 18369.78 Z 792.02 19161.81 575.26 575.25

7.20 Stone work ashlar sunk or moulded or sunk and moulded upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.20.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL				
2216	Finished work = 10 cudm + Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm. Red sand stone block	10 cudm	1.333	80.00	106.64
	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	145.72	4.52
9999	Extra for using white cement Dressing charges	L.S.	8.06	2.12	17.09
0125	LABOUR				
	Mason (for plain stone work)				
0102	2nd class)	day	0.291	714.00	207.77
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.044	645.00	28.38
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.044	714.00	31.42
	Fixing charges				
0125	LABOUR				
	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level ($0.01 \times 1.50 = 0.015$)	L.S.	8.06	2.12	17.09
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	day	0.015	645.00	9.68 543.17 W 5.43 548.61 X 77.08 625.69 Y 93.85 719.54 Z 7.20 726.73 72673.00 72673.00

7.20.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.				
2216	White sand stone block Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = $13.33 \times 2.30 = 30.659$ kg = 0.03065 tonne say 0.031t.	10 cudm	1.333	205.00	273.27
9999	Extra for using white cement Dressing charges LABOUR	tonne	0.031	145.72	4.52
0125	Mason (for plain stone work) 2nd class	L.S.	8.06	2.12	17.09
0102	Blacksmith 1st class	day	0.291	714.00	207.77
0114	Beldar	day	0.006	784.00	4.70
0115	Coolie	day	0.044	645.00	28.38
0100	Bandhani	day	0.022	645.00	14.19
	Fixing charges LABOUR			714.00	31.42
0125	Mason (for plain stone work) 2nd class	day	0.044	714.00	31.42
0102	Blacksmith 1st class	day	0.006	784.00	4.70
0114	Beldar	day	0.022	645.00	14.19
0115	Coolie	day	0.022	645.00	14.19
0100	Bandhani	day	0.022	714.00	15.71
0101	Bhisti	day	0.022	714.00	15.71
9999	Scaffolding	L.S.	2.73	2.12	5.79
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level ($0.01 \times 1.50 = 0.015$)	L.S.	8.06	2.12	17.09

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	day	0.015	645.00	9.68 709.80 W 7.10 716.90 X 100.72 817.62 Y 122.64 940.26 Z 9.40 949.67 94967.00 94967.00

7.21 Extra for stone work ashlar sunk or moulded or sunk and moulded or carved in :

7.21.1 Triangular or Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cudm or 0.01 cum LABOUR TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	L.S.	11.70	2.12	24.80 24.80 W 0.25 25.05 X 3.52 28.57 Y 4.29 32.86 Z 0.33 33.19 3319.00 3319.00

7.21.2 Circular or polygonal pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cudm or 0.01 cum LABOUR TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cudm. Cost of 1 cum. Say	L.S.	33.15	2.12	70.28 70.28 W 0.70 70.98 X 9.97 80.95 Y 12.14 93.10 Z 0.93 94.03 9403.00 9403.00

7.22 Extra for stone work ashlar sunk or moulded in cornices.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0125	Details of cost for a cornice 30cm long, 60cm deep and 15cm projection				
0114	Extra labour : Mason (for plain stone work) 2nd class)	day	0.50	714.00	357.00
	Beldar	day	0.75	645.00	483.75
	TOTAL				840.75 W
	Add 1 % Water charges on "W"				8.41
	TOTAL				849.16 X
	Add GST on "X" (multiplying factor 0.1405)				119.31
	TOTAL				968.46 Y
	Add 15% CPOH on "Y"				145.27
	TOTAL				1113.73 Z
	Add Cess @ 1% on "Z"				11.14
	Cost of 30cm long 60cm deep and 15cm girth				1124.87
	Cost of per metre per cm girth (60cm deep)				249.97
	Say				249.95

7.24 Extra for stone work (veneer work) curved on plan with a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cudm. Labour and materials	L.S.	8.97	2.12	19.02
	TOTAL				19.02 W
	Add 1 % Water charges on "W"				0.19
	TOTAL				19.21 X
	Add GST on "X" (multiplying factor 0.1405)				2.70
	TOTAL				21.91 Y
	Add 15% CPOH on "Y"				3.29
	TOTAL				25.19 Z
	Add Cess @ 1% on "Z"				0.25
	Cost of 10 cu dm.				25.44
	Cost of 1 cum.				2544.00
	Say				2544.00

7.26 Providing and fixing stone dowels 10x5x2.50 cm cut to double wedge shape as per design in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for one dowel	L.S.	9.10	2.12	19.29
9999	Cost of stone including carriage Labour for dressing dowel cutting chase and fixing etc. Cement mortar 1:2 (1 cement : 2 coarse sand)	L.S.	5.33	2.12	11.30

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.7	Rate as per Item Number 3.7 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of each dowel Say	cum	0.001	5699.25	5.70 36.29 W 0.36 36.65 X 5.15 41.80 Y 6.27 48.07 Z 0.48 48.55 48.55

- 7.28 Providing and fixing sloping chajja of stone 40 mm thick and upto 80 cm wide beyond the wall as measured along the slope in cement mortar 1:4 (1 cement : 4 coarse sand) with 12 mm diameter anchoring steel bar, 45 cm long, fixed in each stone and supported on and including with bricks cove in cement mortar 1:4 (1 cement : 4 coarse sand), including pointing in cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :**
- 7.28.1 Red sand stone :**
- 7.28.1.1 With common burnt clay F.P.S.(non modular) bricks of class designation 7.5**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1164	Details of cost for a chajja 2.00 sqm. (finished work) MATERIAL Chisel dressed 80cm sloping length plus 20cm bearing Area = $2.5 \times 1.00 = 2.50 \text{ sqm}$				
2216	Red sand stone slab 40 mm thick (un-dressed)	sqm	2.75	230.00	632.50
0125	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.253	145.72	36.87
1002	Labour for dressing: Mason (for plain stone work) 2nd class)	day	0.50	714.00	357.00
9999	Mild steel round bar 12 mm dia and below	quintal	0.02	4850.00	97.00
3.12	Cutting threads and cost of nuts, washers, etc.	L.S.	67.34	2.12	142.76
9999	Mortar for pointing 1:2 (1 Cement : 2 Stone dust)				
9999	Rate as per Item Number 3.12 of SH: Mortars	cum	0.009	5319.25	47.87
9999	Pigment	L.S.	6.24	2.12	13.23
9999	Extra cost of white cement	L.S.	26.91	2.12	57.05
0125	LABOUR	day	1.00	714.00	714.00
0114	Mason (for plain stone work) 2nd class)	day	1.50	645.00	967.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding and sundries etc. Brick cover support 4 courses with bricks of class designation 75 $4x7+5+5=38\text{cm}$ girth 2.5m length $=38\text{cm} \times 2.5\text{m}=95\text{cm}$	L.S.	16.12	2.12	34.17
9999	Cost of Brick cover support. Brick work in triangular gap above cover with bricks of class designation 7.5 in cement mortar 1:4 $1/2 \times 2.5 \times 0.2 \times 0.07 = 0.018\text{cum.}$	L.S.	104.00	2.12	220.48
6.4.1	Rate as per item No 6.4.1 of SH :- Brick work. TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 2 sqm. Cost of 1 sqm. Say	cum	0.018	8512.10	153.22 A 3473.65 W 33.20 3506.86 X 471.19 3978.04 Y 573.72 4551.77 Z 43.99 4595.75 2297.88 2297.90

7.28.2 White sand stone :

7.28.2.1 With common burnt clay F.P.S.(non modular) bricks of class designation 7.5

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1165	Details of cost for a chajja 2.00 sqm. (finished work) MATERIAL Chisel dressed 80cm sloping length plus 20cm bearing Area = $2.5 \times 1.00 = 2.50\text{sqm}$				
2216	White sand stone slab 40 mm thick (un-dressed)	sqm	2.75	250.00	687.50
0125	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm. Labour for dressing: Mason (for plain stone work) 2nd class)	tonne	0.253	145.72	36.87
1002	Labour for dressing: Anchoring steel bars 12mm dia. 45cm long, 5 Nos. @ 0.80kg/m = 0.02q Mild steel round bar 12 mm dia and below	day	0.50	714.00	357.00
		quintal	0.02	4850.00	97.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Cutting threads and cost of nuts, washers, etc.	L.S.	67.34	2.12	142.76
3.12	Mortar for pointing 1:2 (1 Cement : 2 Stone dust)	cum	0.009	5319.25	47.87
9999	Rate as per Item Number 3.12 of SH: Mortars	L.S.	6.24	2.12	13.23
9999	Pigment	L.S.	26.91	2.12	57.05
9999	Extra cost of white cement	L.S.			
0125	LABOUR	day	1.00	714.00	714.00
0114	Mason (for plain stone work) 2nd class	day	1.50	645.00	967.50
9999	Beldar	L.S.	16.12	2.12	34.17
0125	Scaffolding and sundries etc.	day			
9999	Brick cover support 4 courses with bricks of class designation 75	L.S.			
9999	4x7+5+5=38cm girth 2.5m length =38cmx2.5m=95cm	L.S.			
9999	Cost for Brick cover support .	L.S.	104.00	2.12	220.48
6.4.1	Brick work in triangular gap above cover with bricks of class designation 5 in cement mortar 1:4	L.S.			
	1/2x2.5x0.2x0.07=0.018cum.				
6.4.1	Rate as per item No 6.4.1 of SH :- Brick work.	cum	0.018	8512.10	153.22 A
	TOTAL				3528.65 W
	Add 1 % Water charges on "W-A"				33.75
	TOTAL				3562.41 X
	Add GST on "X-A" (multiplying factor 0.1405)				478.99
	TOTAL				4041.40 Y
	Add 15% CPOH on "Y-A"				583.23
	TOTAL				4624.62 Z
	Add Cess @ 1% on "Z-A"				44.71
	Cost of 2 sqm.				4669.34
	Cost of 1 sqm.				2334.67
	Say				2334.65

7.29 Providing and fixing horizontal chajja of stone 40 mm thick and upto 80 cm projection in cement mortar 1:4 (1 cement : 4 coarse sand), including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.29.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1164	Details of cost for (2.5x0.75m) 1.875 sqm. MATERIAL Taking 2.5mx75cm projection + 15cm bearing = 2.5x0.9 = 2.25 sqm. Red sand stone slab 40 mm thick (un-dressed)	sqm	2.25	230.00	517.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.227	145.72	33.08
0125	Labour for dressing:				
9999	Mason (for plain stone work) 2nd class)	day	0.45	714.00	321.30
9999	Mortar for pointing 1:2	L.S.	53.82	2.12	114.10
9999	Pigment	L.S.	6.24	2.12	13.23
9999	Extra cost of white cement	L.S.	26.91	2.12	57.05
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.60	714.00	428.40
0114	Beldar	day	0.80	645.00	516.00
9999	Scaffolding and sundries etc.	L.S.	13.52	2.12	28.66
	TOTAL				2029.32 W
	Add 1 % Water charges on "W"				20.29
	TOTAL				2049.61 X
	Add GST on "X" (multiplying factor 0.1405)				287.97
	TOTAL				2337.58 Y
	Add 15% CPOH on "Y"				350.64
	TOTAL				2688.22 Z
	Add Cess @ 1% on "Z"				26.88
	Cost of 1.875 sqm.				2715.10
	Cost of 1 sqm.				1448.05
	Say				1448.05

7.29.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1165	Details of cost for (2.5x0.75m) 1.875 sqm. MATERIAL Taking 2.5mx75cm projection + 15cm bearing = 2.5x0.9 = 2.25 sqm. White sand stone slab 40 mm thick (un-dressed)	sqm	2.25	250.00	562.50
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.227	145.72	33.08
0125	Labour for dressing:				
9999	Mason (for plain stone work) 2nd class)	day	0.45	714.00	321.30
9999	Mortar for pointing 1:2	L.S.	53.82	2.12	114.10
9999	Pigment	L.S.	6.24	2.12	13.23
9999	Extra cost of white cement	L.S.	26.91	2.12	57.05
0125	Labour				
0125	Mason (for plain stone work) 2nd class)	day	0.60	714.00	428.40
0114	Beldar	day	0.80	645.00	516.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding and sundries etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1.875 sqm. Cost of 1 sqm. Say	L.S.	13.52	2.12	28.66 2074.32 W 20.74 2095.06 X 294.36 2389.42 Y 358.41 2747.83 Z 27.48 2775.31 1480.16 1480.15

7.30 30 mm red sand stone sun-shade (chisel-dressed) supported on red sand stone brackets, fixed in walls with cement mortar 1:4 (1 cement : 4 coarse sand), including finishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for window 1.6m length and 0.70m width = 1.12 sqm. MATERIAL over all width $0.70+0.15=0.85$ metres Total area = $1.6 \times 0.85 = 1.36$ sqm. Red stone brackets (chisel dressed) 30mm average thickness over all width of brackets $0.53+0.23=0.76$ m $2 \times 0.3 \times 0.76 = 0.46$ Total $1.36+0.46 = 1.82$ sqm.+ Add wastage @10% = 0.18sqm. Total = 2.00 sqm.				
1166	Red sand stone slab 30 mm thick (un-dressed)	sqm	2.00	220.00	440.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.14	145.72	20.40
9999	Cement mortar 1 :4 Labour for dressing and fixing: LABOUR	L.S.	13.52	2.12	28.66
0125	Mason (for plain stone work) 2nd class	day	0.86	714.00	614.04
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1.12 sqm. Cost of 1 sqm. Say	day	0.50	645.00	322.50 1425.60 W 14.26 1439.86 X 202.30 1642.16 Y 246.32 1888.48 Z 18.88 1907.37 1703.01 1703.00

7.31 Providing and fixing red sand stone brackets 55x22.5x45 cm sunk and moulded including providing and fixing with 4 Nos gun metal cramp 25x6 mm 30 cm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 bracket Quantity of stone for 1 bracket $1 \times 55 \times 22.5 \times 45\text{cm} = 0.056\text{cum}$ or 56 cudm. Red sand stone = 56 cudm. Add wastage 10% = 5.6 cudm. Total = 61.6 cudm.				
1160	Red sand stone block	10 cudm	6.16	80.00	492.80
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/ cudm. Dressing charges LABOUR	tonne	0.14	145.72	20.40
0125	Mason (for plain stone work) 2nd class)	day	1.7926	714.00	1279.92
0102	Blacksmith 1st class	day	0.037	784.00	29.01
0114	Beldar	day	0.271	645.00	174.80
0115	Coolie	day	0.1355	645.00	87.40
0100	Bandhani	day	0.271	714.00	193.49
0373	Cramp Gun metal 25x6x300 mm	each	4.00	80.00	320.00
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.2464	714.00	175.93
0102	Blacksmith 1st class	day	0.0336	784.00	26.34
0114	Beldar	day	0.1232	645.00	79.46
0115	Coolie	day	0.1232	645.00	79.46
0100	Bandhani	day	0.1232	714.00	87.96
0101	Bhisti	day	0.1232	714.00	87.96
9999	Scaffolding	L.S.	15.29	2.12	32.41
9999	Mortar for laying and pointing	L.S.	45.14	2.12	95.70
	Extra labour for ornamental finish : Mason (for ornamental stone work) 1st class	day	0.95	784.00	744.80
	TOTAL				4007.85 W
	Add 1 % Water charges on "W"				40.08
	TOTAL				4047.93 X
	Add GST on "X" (multiplying factor 0.1405)				568.73
	TOTAL				4616.67 Y
	Add 15% CPOH on "Y"				692.50
	TOTAL				5309.17 Z
	Add Cess @ 1% on "Z"				53.09
	Cost for 1 Bracket				5362.26
	Say				5362.25

7.32 Stone work, plain in copings, cornices, string courses and plinth courses, upto 75 mm thick in Cement mortar 1:6 (1 cement : 6 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.32.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7.12.1.1	Details of cost for cornices (30cm long, 30cm deep and 7.5cm project-iron) = 6.75cudm. MATERIAL Stone work plain ashlar cyclopean 3x3x0.75 = 6.75 cudm Rate as per item no 7.12.1.1 of SH : Stone Work 9999 Extra for using white cement Extra labour for making the cornices 0125 Mason (for plain stone work) 2nd class) 0114 Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 6.75 cudm Cost per cum. Say	cum L.S. day day	0.00675 5.33 0.07 0.07	50995.00 2.12 714.00 645.00	344.22 A 11.30 49.98 45.15 450.65 W 1.06 451.71 X 15.10 466.81 Y 18.39 485.20 Z 1.41 486.61 72090.37 72090.35

7.32.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7.12.1.2	Details of cost for cornices (30cm long 30cm deep and 7.5cm project-iron) = 6.75cudm. MATERIAL Stone work plain ashlar cyclopean 3x3x0.75 = 6.75 cudm Rate as per item no 7.12.1.2 of SH : Stone Work 9999 Extra for using white cement Extra labour for making the cornices 0125 Mason (for plain stone work) 2nd class)	cum L.S. day	0.00675 5.33 0.07	73288.00 2.12 714.00	494.69 A 11.30 49.98

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 6.75 cu.m. Cost per cum. Say	day	0.07	645.00	45.15 601.12 W 1.06 602.19 X 15.10 617.29 Y 18.39 635.68 Z 1.41 637.09 94383.70 94383.70

7.33 Providing and fixing stone jali 40 mm thick throughout in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment, matching the stone shade, jali slab without any chamfers etc.

7.33.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1164	Details of cost for 1 sqm MATERIAL Red sand stone slab 40mm = 1.00 sqm. Add 10% wastage = 0.10 sqm. Total = 1.10 sqm. Red sand stone slab 40 mm thick (un-dressed)	sqm	1.10	230.00	253.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab LABOUR For making, dressing and fixing	tonne	0.101	145.72	14.72
0125	Mason (for plain stone work) 2nd class	day	7.62	714.00	5440.68
0114	Beldar	day	5.07	645.00	3270.15
9999	Mortar and Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	L.S.	80.73	2.12	171.15 9149.70 W 91.50 9241.19 X 1298.39 10539.58 Y 1580.94 12120.52 Z 121.21 12241.72 12241.70

7.33.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1165	Details of cost for 1 sqm MATERIAL White sand stone slab 40mm = 1.00 sqm. Add 10% wastage = 0.10 sqm. Total = 1.10 sqm.				
2216	White sand stone slab 40 mm thick (un-dressed) Carriage of Stone blocks white & red sand stone & kota stone slab LABOUR	sqm	1.10	250.00	275.00
0125	For making, dressing and fixing Mason (for plain stone work) 2nd class)	tonne	0.101	145.72	14.72
0114	Beldar	day	7.62	714.00	5440.68
9999	Mortar and Sundries	day	5.07	645.00	3270.15
	TOTAL	L.S.	80.73	2.12	171.15
	Add 1 % Water charges on "W"				9171.70 W
	TOTAL				91.72
	Add GST on "X" (multiplying factor 0.1405)				9263.41 X
	TOTAL				1301.51
	Add 15% CPOH on "Y"				10564.92 Y
	TOTAL				1584.74
	Add Cess @ 1% on "Z"				12149.66 Z
	Cost of 1 sqm.				121.50
	Say				12271.16
					12271.15

7.34 Extra for laying stone work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.

NOTE :- The quantity will be calculated by multiplying the depth measured from sub-soil water level up to the centre of gravity of stone work under sub - water with the quantity of stone work in cum executed under the sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m, 0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0011	Details of cost for depth of water 0.30m. Quantity of concrete = 14 cum. pumping hours = 3 hrs. on 0.375day. Hire charges of Pumpset of capacity 4000 litres/hour. for cleaning slush	day	0.375	700.00	262.50
0114	Beldar	day	4.00	645.00	2580.00
	TOTAL				2842.50 W
	Add 1 % Water charges on "W"				28.43
	TOTAL				2870.93 X
	Add GST on "X" (multiplying factor 0.1405)				403.36
	TOTAL				3274.29 Y
	Add 15% CPOH on "Y"				491.14
	TOTAL				3765.43 Z
	Add Cess @ 1% on "Z"				37.65
	Cost of 14cum. per 0.30m depth				3803.09
	Cost of cum. per m depth				905.50
	Say				905.50

7.35 Extra for laying stone work in or under foul condition.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for 1 cum.				
0124	Extra labour due to slow progress-				
0114	Mason (brick layer) 1st class	day	0.02	784.00	15.68
0115	Mason (brick layer) 2nd class	day	0.02	714.00	14.28
	Beldar	day	0.25	645.00	161.25
	Coolie	day	0.15	645.00	96.75
	TOTAL				287.96 W
	Add 1 % Water charges on "W"				2.88
	TOTAL				290.84 X
	Add GST on "X" (multiplying factor 0.1405)				40.86
	TOTAL				331.70 Y
	Add 15% CPOH on "Y"				49.76
	TOTAL				381.46 Z
	Add Cess @ 1% on "Z"				3.81
	Cost for 1 cum.				385.27
	Say				385.25

7.38 Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match the stone shade.

7.38.1 8mm thick (mirror polished and machine cut edge)

7.38.1.1 Granite stone of any colour and shade

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2750	Details of cost for 10sqm. MATERIAL Granite stone tile = 10.00sqm. Add 2.5% wastage = 0.25sqm. Total =10.25 sqm 8 mm thick granite stone tiles (mirror polished of all shades)	sqm	10.25	690.00	7072.50
9977	Carriage of granite tiles Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	40.04	2.12	84.88
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.14	5024.15	703.38
0367	Portland Cement slurry @ 3.3 kg/sqm	tonne	0.033	5000.00	165.00
9999	Mortar for pointing in white cement LABOUR Labour for placing and fixing :	L.S.	25.74	2.12	54.57
0123	Mason (brick layer) 1st class	day	7.70	784.00	6036.80
0114	Beldar	day	7.70	645.00	4966.50
9999	Granular sand particles mixed with araldite to be pasted on each side to form interlocking arrangement with cement plaster	L.S.	260.00	2.12	551.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 sqm. Cost of 1 sqm. Say	L.S.	171.60	2.12	363.79 19998.63 W 199.99 20198.61 X 2837.91 23036.52 Y 3455.48 26492.00 Z 264.92 26756.92 2675.69 2675.70

7.38.1.2 Raj Nagar plain white marble/ Udaipur green marble/ Zebra black marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7439	Details of cost for 10sqm. MATERIAL 8mm thick Raj Nagar white stone tile = 10.00sqm.+ Add 2.5% wastage = 0.25sqm. Total = 10.25sqm 8mm thick (mirror polished tiles machine cut edge) Raj Nagar white Carriage of Raj Nagar white stone tiles Cement mortar 1:3 (1 cement : 3 coarse sand)	sqm	10.25	450.00	4612.50
9977	L.S.	40.04	2.12		84.88
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.14	5024.15	703.38
0367	Portland Cement slurry @ 3.3 kg/sqm	tonne	0.033	5000.00	165.00
9999	Mortar for pointing in white cement Labour for placing and fixing :	L.S.	25.74	2.12	54.57
0123	Mason (brick layer) 1st class	day	7.70	784.00	6036.80
0114	Beldar	day	7.70	645.00	4966.50
9999	Granular sand particles mixed with araldite to be pasted on each side to form interlocking arrangement with cement plaster	L.S.	260.00	2.12	551.20
9999	Sundries	L.S.	171.6	2.12	363.79
	TOTAL Add 1 % Water charges on "W"				17538.63 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				175.39
	TOTAL Add 15% CPOH on "Y"				17714.01 X
	TOTAL Add Cess @ 1% on "Z"				2488.82
	Cost for 10 sqm.				20202.83 Y
	Cost of 1 sqm.				3030.42
	Say				23233.26 Z
					232.33
					23465.59
					2346.56
					2346.55

SUB HEAD : 8.0

CLADDING WORK

8.1 **Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately).**

8.1.1 **Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble.**

8.1.1.1 **Area of slab upto 0.50 sqm**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 0.50 sqm. MATERIAL Finished work = 0.50sqm. Add for wastage @ 20% = 0.10 sqm. Total = 0.60 sqm. 7452 Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)				
2216	Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1:3 (1 cement : 3 coarse sand)	tonne	0.03	145.72	4.37
3.8	Rate as per Item Number 3.8 of SH: Mortars White cement mortar 1:2 (1 white cement : 2 marble dust)	cum	0.008	5024.15	40.19
3.15	Rate as per Item Number 3.15 of SH: Mortars LABOUR For fixing	cum	0.0012	9563.75	11.48
0126	Mason (for ornamental stone work) 1st class	day	0.335	784.00	262.64
0100	Bandhani	day	0.335	714.00	239.19
0114	Beldar	day	0.335	645.00	216.08
0115	Coolie	day	0.335	645.00	216.08
0101	Bhisti	day	0.335	714.00	239.19
0128	Mate	day	0.165	714.00	117.81
0102	Blacksmith 1st class	day	0.135	784.00	105.84
9999	Scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 0.50 sqm. Cost for one sqm. Say	L.S.	13.39	2.12 1804.05 W 18.04 1822.09 X 256.00 2078.09 Y 311.71 2389.81 Z 23.90 2413.70 4827.41 4827.40	28.39 18.04 256.00 2078.09 Y 311.71 2389.81 Z 23.90 2413.70 4827.41 4827.40

8.1.1.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7453	Details of cost for 1.00 sqm. MATERIAL Finished work = 1.00 sqm. Add for wastage @ 20% = 0.20 sqm. Total = 1.20 sqm.				
2216	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm) Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1:3 (1 cement : 3 coarse sand)	sqm	1.20	650.00	780.00
3.8	Rate as per Item Number 3.8 of SH: Mortars White cement mortar 1:2 (1 white cement : 2 marble dust)	tonne	0.06	145.72	8.74
3.15	Rate as per Item Number 3.15 of SH: Mortars LABOUR For fixing	cum	0.0144	5024.15	72.35
0126	Mason (for ornamental stone work) 1st class	cum	0.0025	9563.75	23.91
0100	Bandhani	day	0.67	784.00	525.28
0114	Beldar	day	0.67	714.00	478.38
0115	Coolie	day	0.67	645.00	432.15
0101	Bhisti	day	0.67	645.00	432.15
0128	Mate	day	0.33	714.00	478.38
0102	Blacksmith 1st class	day	0.27	784.00	235.62
9999	Scaffolding	L.S.	26.91	2.12	57.05
	TOTAL				3735.69 W
	Add 1 % Water charges on "W"				37.36
	TOTAL				3773.05 X
	Add GST on "X" (multiplying factor 0.1405)				530.11
	TOTAL				4303.16 Y
	Add 15% CPOH on "Y"				645.47
	TOTAL				4948.63 Z
	Add Cess @ 1% on "Z"				49.49
	Cost for 1.00 sqm				4998.12
	Cost for one sqm				4998.12
	Say				4998.10

8.2 Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.

8.2.1 Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble

8.2.1.1 Area of slab upto 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7452	Details of cost for 0.50 sqm. MATERIAL Mirror polished Abu plain white = 0.50 sqm.+Wastage 5% 0.025 sqm. = 0.525 sqm Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm) 20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	0.525	538.00	282.45
3.9	Rate as per Item Number 3.9 of SH: Mortars LABOUR 0123 Mason (brick layer) 1st class 0114 Beldar 0115 Coolie 9999 Moulding and edge polishing 9999 Sundries apoxy resin & cutting machine etc.	cum	0.012	4355.20	52.26
	TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 0.50 sqm. Cost for 1.00 sqm Say	day	0.48	784.00	376.32
		day	0.20	645.00	129.00
		day	0.20	645.00	129.00
		L.S.	39.00	2.12	82.68
		L.S.	16.25	2.12	34.45
					1086.16 W
					10.86
					1097.02 X
					154.13
					1251.16 Y
					187.67
					1438.83 Z
					14.39
					1453.22
					2906.44
					2906.45

8.2.1.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7453	Details of cost for 1.00 sqm. MATERIAL Mirror polished Abu plain white = 1.00 sqm.+ Wastage 5% (0.05sqm.) = 1.05 sqm Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm) 20mm thick Cement mortar	sqm	1.05	650.00	682.50
3.9	1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars LABOUR 0123 Mason (brick layer) 1st class 0114 Beldar 0115 Coolie 9999 Moulding and edge polishing	cum	0.024	4355.20	104.52
		day	0.72	784.00	564.48
		day	0.30	645.00	193.50
		day	0.30	645.00	193.50
		L.S.	78.00	2.12	165.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries apoxy resin & cutting machine etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1.00 sqm. Say	L.S.	32.50	2.12	68.90 1972.76 W 19.73 1992.49 X 279.95 2272.44 Y 340.87 2613.30 Z 26.13 2639.44 2639.45

8.2.2 Granite stone slab of colour black, Cherry/Ruby red

8.2.2.1 Area of slab upto 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7295	Details of cost for 0.50 sqm. MATERIAL Mirror polished granite = 0.50 sqm.+ Wastage 5% 0.025 sqm. = 0.525 sqm Granite of colour black, cherry/ruby red 18 mm thick (slab area upto 0.50 sqm) 20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars LABOUR	sqm	0.525	1800.00	945.00
3.9		cum	0.012	4355.20	52.26
0123	Mason (brick layer) 1st class	day	0.48	784.00	376.32
0114	Beldar	day	0.20	645.00	129.00
0115	Coolie	day	0.20	645.00	129.00
9999	Moulding and edge polishing	L.S.	39.00	2.12	82.68
9999	Sundries apoxy resin & cutting machine etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 0.50 sqm. Cost for 1.00 sqm Say	L.S.	16.25	2.12	34.45 1748.71 W 17.49 1766.20 X 248.15 2014.35 Y 302.15 2316.50 Z 23.17 2339.67 4679.34 4679.35

8.2.2.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7298	Details of cost for 2.00 sqm. MATERIAL Mirror polished granite = 2.00 sqm.+ Wastage 5% = 0.10sqm, Total = 2.10 sqm Granite of colour black, cherry/ruby red 18 mm thick (slab area more than 0.50 sqm) 20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	sqm	2.10	2000.00	4200.00
3.9	LABOUR Mason (brick layer) 1st class	cum	0.048	4355.20	209.05
0123	Beldar	day	1.44	784.00	1128.96
0114	Coolie	day	0.60	645.00	387.00
0115	Moulding and edge polishing	day	0.60	645.00	387.00
9999	Sundries epoxy resin & cutting machine etc.	L.S.	78.00	2.12	165.36
9999	TOTAL Add 1 % Water charges on "W"	L.S.	65.00	2.12	137.80
	TOTAL Add GST on "X" (multiplying factor 0.1405)				6615.17 W 66.15
	TOTAL Add 15% CPOH on "Y"				6681.32 X 938.73
	TOTAL Add Cess @ 1% on "Z"				7620.05 Y 1143.01
	Cost for 2.00 sqm.				8763.05 Z 87.63
	Cost of 1 sqm				8850.68
	Say				4425.34
					4425.35

8.2.3 Granite stone slab of all colour and texture except black, Cherry/Ruby red

8.2.3.1 Area of slab upto 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7297	Details of cost for 0.50 sqm. MATERIAL Mirror polished granite = 0.50 sqm.+ Wastage 5% 0.025 sqm. = 0.525 sqm Granite stone slab all colour and texture except black, Cherry/Ruby red 18 mm thick (slab area upto 0.50 sqm) 20mm thick Cement mortar	sqm	0.525	1000.00	525.00
3.9	1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.012	4355.20	52.26
0123	LABOUR Mason (brick layer) 1st class	day	0.48	784.00	376.32
0114	Beldar	day	0.20	645.00	129.00
0115	Coolie	day	0.20	645.00	129.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Moulding and edge polishing	L.S.	39.00	2.12	82.68
9999	Sundries apoxy resin & cutting machine etc.	L.S.	16.25	2.12	34.45
	TOTAL				1328.71 W
	Add 1 % Water charges on "W"				13.29
	TOTAL				1342.00 X
	Add GST on "X" (multiplying factor 0.1405)				188.55
	TOTAL				1530.55 Y
	Add 15% CPOH on "Y"				229.58
	TOTAL				1760.13 Z
	Add Cess @ 1% on "Z"				17.60
	Cost for 0.50 sqm.				1777.73
	Cost for 1.00 sqm				3555.47
	Say				3555.45

8.2.3.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7299	Details of cost for 2.00 sqm. MATERIAL Mirror polished granite = 2.00 sqm.+ Wastage 5% = 0.10sqm, Total = 2.10 sqm Granite stone slab all colour and texture except black, Cherry/Ruby red 18 mm thick (slab area more than 0.50 sqm) 20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	sqm	2.10	1200.00	2520.00
3.9	LABOUR Mason (brick layer) 1st class	cum	0.048	4355.20	209.05
0123	Beldar	day	1.44	784.00	1128.96
0114	Coolie	day	0.60	645.00	387.00
9999	Moulding and edge polishing	L.S.	78.00	2.12	165.36
9999	Sundries apoxy resin & cutting machine etc.	L.S.	65.00	2.12	137.80
	TOTAL				4935.17 W
	Add 1 % Water charges on "W"				49.35
	TOTAL				4984.52 X
	Add GST on "X" (multiplying factor 0.1405)				700.33
	TOTAL				5684.85 Y
	Add 15% CPOH on "Y"				852.73
	TOTAL				6537.57 Z
	Add Cess @ 1% on "Z"				65.38
	Cost for 2.00 sqm.				6602.95
	Cost of 1 sqm				3301.47
	Say				3301.45

8.3 Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.

8.3.1 Marble work

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0019	Details of cost for 10.00 m LABOUR				
0114	Hand Grinder For mirror polish	day	1.50	250.00	375.00
9999	Beldar	day	2.00	645.00	1290.00
	Sundries Blades & Polished etc.	L.S.	78.00	2.12	165.36
	TOTAL				1830.36 W
	Add 1 % Water charges on "W"				18.30
	TOTAL				1848.66 X
	Add GST on "X" (multiplying factor 0.1405)				259.74
	TOTAL				2108.40 Y
	Add 15% CPOH on "Y"				316.26
	TOTAL				2424.66 Z
	Add Cess @ 1% on "Z"				24.25
	Cost for 10 metre				2448.91
	Cost per metre				244.89
	Say				244.90

8.3.2 Granite work

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0019	Details of cost for 10.00 m LABOUR				
0114	Hand Grinder For mirror polish	day	2.50	250.00	625.00
9999	Beldar	day	3.50	645.00	2257.50
	Sundries Blades & Polished etc.	L.S.	117.00	2.12	248.04
	TOTAL				3130.54 W
	Add 1 % Water charges on "W"				31.31
	TOTAL				3161.85 X
	Add GST on "X" (multiplying factor 0.1405)				444.24
	TOTAL				3606.08 Y
	Add 15% CPOH on "Y"				540.91
	TOTAL				4147.00 Z
	Add Cess @ 1% on "Z"				41.47
	Cost for 10 metre				4188.47
	Cost per metre				418.85
	Say				418.85

8.4 Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for facia 1.5m long and 0.15m wide				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	LABOUR				
0115	Mason (brick layer) 1st class	day	0.30	784.00	235.20
9999	Coolie	day	0.30	645.00	193.50
3.9	Scaffolding, epoxy	L.S.	39.00	2.12	82.68
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
	1.5x0.15x0.02 = 0.005cum.				
	Rate as per Item Number 3.9 of SH: Mortars	cum	0.005	4355.20	21.78
	TOTAL				533.16 W
	Add 1 % Water charges on "W"				5.33
	TOTAL				538.49 X
	Add GST on "X" (multiplying factor 0.1405)				75.66
	TOTAL				614.15 Y
	Add 15% CPOH on "Y"				92.12
	TOTAL				706.27 Z
	Add Cess @ 1% on "Z"				7.06
	Cost for 1.5 metre				713.33
	Cost per metre				475.55
	Say				475.55

8.5 Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0126	Details of cost for providing an opening of required size and shape				
0114	LABOUR				
9999	Mason (for ornamental stone work)				
	1st class	day	0.40	784.00	313.60
	Beldar	day	0.40	645.00	258.00
	Sundries	L.S.	15.30	2.12	32.44
	TOTAL				604.04 W
	Add 1 % Water charges on "W"				6.04
	TOTAL				610.08 X
	Add GST on "X" (multiplying factor 0.1405)				85.72
	TOTAL				695.79 Y
	Add 15% CPOH on "Y"				104.37
	TOTAL				800.16 Z
	Add Cess @ 1% on "Z"				8.00
	Cost of each				808.16
	Say				808.15

8.6 Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0013	Details of cost for 10 sqm. LABOUR				
0114	Machine for rubbing of floors	day	1.00	300.00	300.00
0101	Beldar	day	2.50	645.00	1612.50
9999	Bhisti	day	1.50	714.00	1071.00
	Sundries grease, mop grinding stones etc.	L.S.	65.00	2.12	137.80
	TOTAL				3121.30 W
	Add 1 % Water charges on "W"				31.21
	TOTAL				3152.51 X
	Add GST on "X" (multiplying factor 0.1405)				442.93
	TOTAL				3595.44 Y
	Add 15% CPOH on "Y"				539.32
	TOTAL				4134.76 Z
	Add Cess @ 1% on "Z"				41.35
	Cost for 10 sqm.				4176.10
	Cost per sqm.				417.61
	Say				417.60

8.7 Providing and fixing cramps of required size & shape in RCC/ CC / Brick masonry backing with cement mortar 1:2 (1 cement :2 coarse sand), including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).

8.7.1 Gunmetal cramps

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7338	Details of cost for 1.03kg MATERIAL Gun metal cramp $10 \times 0.064 \times 0.025 \times 0.006 =$ 9.6×10^{-5} $10 \times 0.025 \times 0.025 \times 0.006 =$ 3.7×10^{-5} $= 13.3 \times 10^{-5}$ less hole $10 \times 0.024 \times 0.010 \times 0.006 =$ 1.4×10^{-5} $= 11.9 \times 10^5 \times 8640 = 1.03 \text{ kg}$ Add wastage @ 5% = 0.051kg. Total = 1.08 kg.				
9977	Gun metal cramp Carriage Cement mortar 1:2 (1 cement : 2 coarse sand)	kilogram L.S.	1.08 3.90	315.00 2.12	340.20 8.27
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5699.25	5.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Labour for fixing in position TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1.03 kg. Cost per kg Say	L.S.	65.00	2.12	137.80 491.97 W 4.92 496.89 X 69.81 566.70 Y 85.00 651.70 Z 6.52 658.22 639.05 639.05

8.7.2 Stainless steel cramps

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7339	Details of cost for 0.934 kg MATERIAL Stainless steel cramp $10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^{-5}$ $10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^{-5}$ = 13.3×10^{-5} less hole $10 \times 0.024 \times 0.010 \times 0.006$ = 1.4×10^{-5} = $11.9 \times 10^5 \times 7850 = 0.934$ kg Add wastage @ 5% = 0.047kg. Total = 0.981 kg.				
9977	Stainless steel cramp Carriage	kilogram L.S.	0.981 3.90	290.00 2.12	284.49 8.27
3.7	Cement mortar 1:2 (1 cement : 2 coarse sand)				
9999	Rate as per Item Number 3.7 of SH: Mortars Labour for fixing in position TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 0.934 kg. Cost per kg Say	cum L.S.	0.001 65.00	5699.25 2.12	5.70 137.80 436.26 W 4.36 440.62 X 61.91 502.53 Y 75.38 577.91 Z 5.78 583.69 624.93 624.95

8.8 Providing and fixing expansion hold fasteners on C.C. /R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete.

8.8.1 Wedge expansion type

8.8.1.1 Fastener with threaded dia 6 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7430	Details of cost for 30nos. W.E.H. fastener MATERIAL Wedge expansion hold fastner 1/4" or 6 mm, 36.5mm length	each	30.00	8.00	240.00
1034	Bolts and nuts upto 300 mm in length (36.5+10mm) LABOUR	quintal	0.0045	5200.00	23.40
0116	Fitter (grade 1)	day	0.25	784.00	196.00
0114	Beldar	day	0.25	645.00	161.25
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 30 nos. Cost of each Say	L.S.	32.50	2.12	68.90 689.55 W 6.90 696.45 X 97.85 794.30 Y 119.14 913.44 Z 9.13 922.57 30.75 30.75

8.8.1.2 Fastener with threaded dia 10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7431	Details of cost for 30nos. W.E.H. fastener MATERIAL Wedge expansion hold fastner 3/8" or 10 mm, 44.5mm length	each	30.00	10.00	300.00
1034	Bolts and nuts upto 300 mm in length (44.5+10mm) LABOUR	quintal	0.006	5200.00	31.20
0116	Fitter (grade 1)	day	0.25	784.00	196.00
0114	Beldar	day	0.25	645.00	161.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 30 nos. Cost of each Say	L.S.	32.50	2.12	68.90 757.35 W 7.57 764.92 X 107.47 872.40 Y 130.86 1003.25 Z 10.03 1013.29 33.78 33.80

8.8.1.3 Fastener with threaded dia 12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7432	Details of cost for 30nos. W.E.H. fastener MATERIAL Wedge expansion hold fastner 1/2" or 12 mm 58.7mm length	each	30.00	24.00	720.00
1034	Bolts and nuts upto 300 mm in length Length (58.7+10mm) @ 0.05 kg./each	quintal	0.0075	5200.00	39.00
0116	LABOUR Fitter (grade 1)	day	0.25	784.00	196.00
0114	Beldar	day	0.25	645.00	161.25
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 30 nos. Cost of each Say	L.S.	32.50	2.12	68.90 1185.15 W 11.85 1197.00 X 168.18 1365.18 Y 204.78 1569.96 Z 15.70 1585.66 52.86 52.85

8.9 Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete.

8.9.1 8mm thick

8.9.1.1 Raj nagar plain white marble/ Udaipur green marble/ Zebra black marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL 8mm thick marble tiles. Qty. = 1.00 sqm. +Add wastage @ 2.5% = 0.025 sqm. Total = 1.025 sqm.				
2751	8 mm thick marble tiles (polished)	sqm	1.025	400.00	410.00
9977	Raj Nagar Carriage of tiles Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	3.95	2.12	8.37
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	5024.15	70.34
9999	Mortar for pointing	L.S.	25.38	2.12	53.81
0367	Portland Cement	tonne	0.0033	5000.00	16.50
0123	Mason (brick layer) 1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries etc.	L.S.	16.90	2.12	35.83
	TOTAL				2023.85 W
	Add 1 % Water charges on "W"				20.24
	TOTAL				2044.08 X
	Add GST on "X" (multiplying factor 0.1405)				287.19
	TOTAL				2331.28 Y
	Add 15% CPOH on "Y"				349.69
	TOTAL				2680.97 Z
	Add Cess @ 1% on "Z"				26.81
	Cost for 1 sqm.				2707.78
	Say				2707.80

8.9.1.2 Granite of any colour and shade

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. 8mm thick Granite tiles. Qty. = 1.00 sqm. + Add wastage @ 2.5% = 0.025 sqm. Total = 1.025 sqm.				
2750	8 mm thick granite stone tiles (mirror polished of all shades)	sqm	1.025	690.00	707.25
9977	Carriage of tiles Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	3.95	2.12	8.37
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	5024.15	70.34
9999	Mortar for pointing	L.S.	25.38	2.12	53.81
0367	Portland Cement	tonne	0.0033	5000.00	16.50
0123	Mason (brick layer) 1st class	day	1.00	784.00	784.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries etc.	L.S.	16.90	2.12	35.83
	TOTAL				2321.10 W
	Add 1 % Water charges on "W"				23.21
	TOTAL				2344.31 X
	Add GST on "X" (multiplying factor 0.1405)				329.38
	TOTAL				2673.68 Y
	Add 15% CPOH on "Y"				401.05
	TOTAL				3074.73 Z
	Add Cess @ 1% on "Z"				30.75
	Cost for 1 sqm.				3105.48
	Say				3105.50

8.10 Providing and fixing rubbed stone slab table, edges rounded and polished, 75 cm high 50 cm deep and 18mm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.

8.10.1 White Agaria Marble Stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one No or 0.375 sqm. MATERIAL Agaria Marble Stone 1 X 0.75 X 0.50 =0.375 sqm+Add wastage 20% = 0.075 sqm. Total = 0.45sqm.				
7244	Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick	sqm	0.45	1500.00	675.00
9999	Cement concrete 1:2:4 for filling	L.S.	21.58	2.12	45.75
9999	Labour for fixing, edge rounding and final polishing .	L.S.	43.16	2.12	91.50
9999	Sundries	L.S.	21.58	2.12	45.75
	TOTAL				858.00 W
	Add 1 % Water charges on "W"				8.58
	TOTAL				866.58 X
	Add GST on "X" (multiplying factor 0.1405)				121.75
	TOTAL				988.33 Y
	Add 15% CPOH on "Y"				148.25
	TOTAL				1136.58 Z
	Add Cess @ 1% on "Z"				11.37
	Cost of 0.375sqm				1147.95
	Cost of 1.00 sqm				3061.20
	Say				3061.20

8.10.2 Granite Stone of approved shade

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7245	Details of cost for one No or 0.375sqm. MATERIAL Granite Stone 1x0.75x0.50 = 0.375sqm. +Add wastage 20% = 0.075 sqm. Total = 0.45 sqm. Table rubbed polished stone 18mm thick (75x50cm) Granite stone - 18mm thick				
9999	Cement concrete 1:2:4 for fixing	sqm	0.45	1800.00	810.00
9999	Labour for fixing, edge rounding and final polishing .	L.S.	21.58	2.12	45.75
9999	Sundries	L.S.	43.16	2.12	91.50
	TOTAL	L.S.	21.58	2.12	45.75
	Add 1 % Water charges on "W"				993.00 W
	TOTAL				9.93
	Add GST on "X" (multiplying factor 0.1405)				1002.93 X
	TOTAL				140.91
	Add 15% CPOH on "Y"				1143.84 Y
	TOTAL				171.58
	Add Cess @ 1% on "Z"				1315.42 Z
	Cost of 0.375 sqm				13.15
	Cost of 1.00 sqm				1328.57
	Say				3542.85
					3542.85

8.11 Providing and fixing machine cut, mirror/ eggshell polished , Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern. If required with marble stone slab pieces of different shapes, shades and texture but of even thickness., on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/ sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.

8.11.1 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1240	Details of cost for 0.5 sqm MATERIAL Finished work= 0.5 sqm+Add for wastage @ 20%=0.1 sqm. Total 0.60 sqm 18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 sqm).	sqm	0.60	3209.00	1925.40
2216	Carriage of stone slab Cement mortar 1:3 (1 Cement: 3 Coarse sand)	tonne	0.03	145.72	4.37
3.8	Rate as per Item No.3.8 of SH: MORTARS	cum	0.008	5024.15	40.19
0368	White Cement Slurry @ 3.3kg/sqm	tonne	0.00165	11200.00	18.48

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of white Cement	tonne	0.00165	145.72	0.24
9999	Mortar for pointing in white cement	L.S.	25.35	2.12	53.74
0126	LABOUR :				
	FOR fixing				
	Mason (for ornamental stone work)				
	1st class	day	0.335	784.00	262.64
0100	Bandhani	day	0.335	714.00	239.19
0114	Beldar	day	0.335	645.00	216.08
0115	Coolie	day	0.335	645.00	216.08
0101	Bhisti	day	0.335	714.00	239.19
0128	Mate	day	0.165	714.00	117.81
0102	Blacksmith 1st class	day	0.135	784.00	105.84
9999	Scaffolding	L.S.	13.39	2.12	28.39
	TOTAL				3467.63 W
	Add 1 % Water charges on "W"				34.68
	TOTAL				3502.31 X
	Add GST on "X" (multiplying factor 0.1405)				492.07
	TOTAL				3994.38 Y
	Add 15% CPOH on "Y"				599.16
	TOTAL				4593.54 Z
	Add Cess @ 1% on "Z"				45.94
	Cost of 0.5 sqm				4639.48
	Cost of 1 sqm				9278.96
	Say				9278.95

8.14 Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately) :

8.14.1 Red sand stone - exposed face fine dressed with rough backing.

8.14.1.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 70 cudm. + Add wastage @ 33.3% = 23.33 cudm. Total = 93.33 cudm.				
1160	Red sand stone block	10 cudm	9.333	80.00	746.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	145.72	31.33
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class)	day	1.35	714.00	963.90
0102	Blacksmith 1st class	day	0.032	784.00	25.09
0114	Beldar	day	0.224	645.00	144.48
0115	Coolie	day	0.112	645.00	72.24

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0100	Bandhani	day	0.224	714.00	159.94
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	5024.15	90.43
	TOTAL				3606.11 W
	Add 1 % Water charges on "W"				36.06
	TOTAL				3642.17 X
	Add GST on "X" (multiplying factor 0.1405)				511.72
	TOTAL				4153.89 Y
	Add 15% CPOH on "Y"				623.08
	TOTAL				4776.98 Z
	Add Cess @ 1% on "Z"				47.77
	Cost of 1 sqm.				4824.75
	Say				4824.75

8.14.1.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 60 cudm+Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.				
1160	Red sand stone block	10 cudm	8.00	80.00	640.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	145.72	26.81
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class	day	1.35	714.00	963.90
0102	Blacksmith 1st class	day	0.032	784.00	25.09
0114	Beldar	day	0.224	645.00	144.48
0115	Coolie	day	0.112	645.00	72.24
0100	Bandhani	day	0.224	714.00	159.94
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device				
9999	Scaffolding	metre L.S.	4.00 19.76	10.00 2.12	40.00 41.89
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 3494.95 W 34.95 3529.90 X 495.95 4025.85 Y 603.88 4629.73 Z 46.30 4676.03 4676.05

8.14.1.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 50 cu dm + Add wastage @ 33.3% = 16.7 cu dm. Total = 66.7 cu dm.				
1160	Red sand stone block	10 cu dm	6.67	80.00	533.60
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.153	145.72	22.30
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class	day	1.35	714.00	963.90
0102	Blacksmith 1st class	day	0.032	784.00	25.09
0114	Beldar	day	0.224	645.00	144.48
0115	Coolie	day	0.112	645.00	72.24
0100	Bandhani	day	0.224	714.00	159.94
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre L.S.	4.00 19.76	10.00 2.12	40.00 41.89
9999	Scaffolding Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 3384.03 W 33.84 3417.87 X 480.21 3898.09 Y 584.71 4482.80 Z 44.83 4527.63 4527.65

8.14.1.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 1 sqm.				
2216	MATERIAL Finished work = 40 cu dm+Add wastage @ 33.3% = 13.33 cu dm. Total = 53.33 cu dm.				
9999	Red sand stone block	10 cu dm	5.333	80.00	426.64
	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	145.72	17.92
0125	Extra for using white cement	L.S.	26.91	2.12	57.05
0102	Dressing charges				
0114	LABOUR				
0115	Mason (for plain stone work) 2nd class)	day	1.35	714.00	963.90
0100	Blacksmith 1st class	day	0.032	784.00	25.09
0125	Beldar	day	0.224	645.00	144.48
0115	Coolie	day	0.112	645.00	72.24
0100	Bandhani	day	0.224	714.00	159.94
0125	Fixing charges				
0100	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
3.8	Mortar for laying and pointing				
	Rate as per Item Number 3.8 of SH: Mortars				
	TOTAL				90.43
	Add 1 % Water charges on "W"				3272.70 W
	TOTAL				32.73
	Add GST on "X" (multiplying factor 0.1405)				3305.43 X
	TOTAL				464.41
	Add 15% CPOH on "Y"				3769.84 Y
	TOTAL				565.48
	Add Cess @ 1% on "Z"				4335.32 Z
	Cost of 1 sqm.				43.35
	Say				4378.67
					4378.65

8.14.1.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 30 cudm+Add wastage @ 33.3% = 9.99cudm. Total = 39.99 cudm.				
1160	Red sand stone block	10 cudm	3.999	80.00	319.92
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.092	145.72	13.41
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class)	day	1.35	714.00	963.90
0102	Blacksmith 1st class	day	0.032	784.00	25.09
0114	Beldar	day	0.224	645.00	144.48
0115	Coolie	day	0.112	645.00	72.24
0100	Bandhani	day	0.224	714.00	159.94
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Mortar for laying and pointing	L.S.	19.76	2.12	41.89
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W"	cum	0.018	5024.15	90.43 3161.47 W 31.61
	TOTAL Add GST on "X" (multiplying factor 0.1405)				3193.08 X
	TOTAL Add 15% CPOH on "Y"				448.63 3641.71 Y 546.26
	TOTAL Add Cess @ 1% on "Z"				4187.96 Z 41.88
	Cost of 1 sqm. Say				4229.84 4229.85

8.14.2 Red sand stone - Exposed face machine cut and table rubbed with rough backing.

8.14.2.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 70 cudm+Add wastage @ 33.3% = 23.33 cudm. Total = 93.33 cudm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Red sand stone block	10 cudm	9.333	80.00	746.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	145.72	31.33
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class	day	2.70	714.00	1927.80
0102	Blacksmith 1st class	day	0.064	784.00	50.18
0114	Beldar	day	0.448	645.00	288.96
0115	Coolie	day	0.224	645.00	144.48
0100	Bandhani Fixing charges LABOUR	day	0.448	714.00	319.87
0125	Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Mortar for laying and pointing	L.S.	19.76	2.12	41.89
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W"	cum	0.018	5024.15	90.43 4971.75 W 49.72
	TOTAL Add GST on "X" (multiplying factor 0.1405)				5021.47 X
	TOTAL Add 15% CPOH on "Y"				705.52 5726.99 Y 859.05
	TOTAL Add Cess @ 1% on "Z"				6586.04 Z 65.86
	Cost of 1 sqm.				6651.90
	Say				6651.90

8.14.2.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 1 sqm. MATERIAL Finished work = 60 cudm+Add wastage @ 33.3% = 20 cudm. Total = 80 cudm. Red sand stone block	10 cudm	8.00	80.00	640.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	145.72	26.81
9999	Extra for using white cement Dressing charges	L.S.	26.91	2.12	57.05

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	2.70	714.00	1927.80
0102	Blacksmith 1st class	day	0.064	784.00	50.18
0114	Beldar	day	0.448	645.00	288.96
0115	Coolie	day	0.224	645.00	144.48
0100	Bandhani	day	0.448	714.00	319.87
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	5024.15	90.43 4860.60 W 48.61 4909.20 X
	TOTAL				689.74
	Add 1 % Water charges on "W"				5598.94 Y
	TOTAL				839.84
	Add GST on "X" (multiplying factor 0.1405)				6438.79 Z
	TOTAL				64.39
	Add 15% CPOH on "Y"				6503.17
	TOTAL				6503.15
	Add Cess @ 1% on "Z"				
	Cost of 1 sqm.				
	Say				

8.14.2.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 50 cudm+Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.				
1160	Red sand stone block	10 cudm	6.67	80.00	533.60
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.153	145.72	22.30
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class	day	2.70	714.00	1927.80
0102	Blacksmith 1st class	day	0.064	784.00	50.18
0114	Beldar	day	0.448	645.00	288.96
0115	Coolie	day	0.224	645.00	144.48
0100	Bandhani	day	0.448	714.00	319.87
	Fixing charges				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	5024.15	90.43 4749.68 W 47.50 4797.18 X
	TOTAL Add 1 % Water charges on "W"				674.00
	TOTAL Add GST on "X" (multiplying factor 0.1405)				5471.18 Y
	TOTAL Add 15% CPOH on "Y"				820.68
	TOTAL Add Cess @ 1% on "Z"				6291.85 Z 62.92
	Cost of 1 sqm.				6354.77
	Say				6354.75

8.14.2.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 40 cudm+Add wastage @ 33.3% = 13.33 cudm. Total = 53.33 cudm.				
1160	Red sand stone block	10 cudm	5.333	80.00	426.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	145.72	17.92
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class)	day	2.70	714.00	1927.80
0102	Blacksmith 1st class	day	0.064	784.00	50.18
0114	Beldar	day	0.448	645.00	288.96
0115	Coolie	day	0.224	645.00	144.48
0100	Bandhani	day	0.448	714.00	319.87
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding	L.S.	19.76	2.12	41.89
3.8	Mortar for laying and pointing	cum	0.018	5024.15	90.43
	Rate as per Item Number 3.8 of SH: Mortars				4638.35 W
	TOTAL				46.38
	Add 1 % Water charges on "W"				4684.73 X
	TOTAL				658.20
	Add GST on "X" (multiplying factor 0.1405)				5342.93 Y
	TOTAL				801.44
	Add 15% CPOH on "Y"				6144.37 Z
	TOTAL				61.44
	Add Cess @ 1% on "Z"				6205.82
	Cost of 1 sqm.				6205.80
	Say				

8.14.2.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 30 cu dm. Add wastage @ 33.3% = 9.99cu dm. Total = 39.99 cu dm.				
1160	Red sand stone block	10 cu dm	3.999	80.00	319.92
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.092	145.72	13.41
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class	day	2.70	714.00	1927.80
0102	Blacksmith 1st class	day	0.064	784.00	50.18
0114	Beldar	day	0.448	645.00	288.96
0115	Coolie	day	0.224	645.00	144.48
0100	Bandhani	day	0.448	714.00	319.87
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Mortar for laying and pointing	L.S.	19.76	2.12	41.89

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 4527.11 W 45.27 4572.38 X 642.42 5214.80 Y 782.22 5997.02 Z 59.97 6056.99 6057.00

8.14.3 White sand stone - exposed face fine dressed with rough backing .

8.14.3.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 1 sqm. MATERIAL Finished work = 70 cumd. Add wastage @ 33.3% = 23.33 cumd. Total = 93.33 cumd.				
2216	White sand stone block Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	10 cumd	9.333	205.00	1913.27
9999	Extra for using white cement Dressing charges LABOUR	tonne	0.215	145.72	31.33
0125	Mason (for plain stone work) 2nd class	L.S.	26.91	2.12	57.05
0102	Blacksmith 1st class	day	1.35	714.00	963.90
0114	Beldar	day	0.032	784.00	25.09
0115	Coolie	day	0.224	645.00	144.48
0100	Bandhani	Day	0.112	645.00	72.24
	Fixing charges	day	0.224	714.00	159.94
0125	LABOUR Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 4772.73 W 47.73 4820.46 X 677.27 5497.74 Y 824.66 6322.40 Z 63.22 6385.62 6385.60

8.14.3.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 1 sqm. MATERIAL				
2216	Finished work = 60 cudm. Add wastage @ 33.3% = 20 cudm. Total = 80 cudm. White sand stone block	10 cudm	8.00	205.00	1640.00
9999	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	145.72	26.81
	Extra for using white cement	L.S.	26.91	2.12	57.05
	Dressing charges				
0125	LABOUR				
0102	Mason (for plain stone work) 2nd class)	day	1.35	714.00	963.90
0114	Blacksmith 1st class	day	0.032	784.00	25.09
0115	Beldar	day	0.224	645.00	144.48
0100	Coolie	day	0.112	645.00	72.24
	Bandhani	day	0.224	714.00	159.94
	Fixing charges				
0125	LABOUR				
0100	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0114	Bandhani	day	0.336	714.00	239.90
0115	Beldar	day	0.336	645.00	216.72
0101	Coolie	day	0.336	645.00	216.72
1237	Bhisti	day	0.336	714.00	239.90
	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 4494.95 W 44.95 4539.90 X 637.86 5177.76 Y 776.66 5954.42 Z 59.54 6013.96 6013.95

8.14.3.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 1 sqm. MATERIAL Finished work = 50 cu dm. Add wastage @ 33.3% = 16.7 cu dm. Total = 66.7 cu dm.				
2216	White sand stone block	10 cu dm	6.67	205.00	1367.35
	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.153	145.72	22.30
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class)	day	1.35	714.00	963.90
0102	Blacksmith 1st class	day	0.032	784.00	25.09
0114	Beldar	day	0.224	645.00	144.48
0115	Coolie	day	0.112	645.00	72.24
0100	Bandhani	day	0.224	714.00	159.94
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Mortar for laying and pointing	L.S.	19.76	2.12	41.89

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 4217.78 W 42.18 4259.96 X 598.52 4858.49 Y 728.77 5587.26 Z 55.87 5643.13 5643.15

8.14.3.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 1 sqm. MATERIAL Finished work = 40 cu dm+Add wastage @ 33.3% = 13.3 cu dm. Total = 53.3 cu dm.				
2216	White sand stone block Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	10 cu dm	5.33	205.00	1092.65
9999	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.123	145.72	17.92
0125	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0102	Mason (for plain stone work) 2nd class	day	1.35	714.00	963.90
0114	Blacksmith 1st class	day	0.032	784.00	25.09
0115	Beldar	day	0.224	645.00	144.48
0100	Coolie	day	0.112	645.00	72.24
0125	Bandhani	day	0.224	714.00	159.94
0100	Fixing charges LABOUR				
0114	Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0115	Bandhani	day	0.336	714.00	239.90
0101	Beldar	day	0.336	645.00	216.72
1237	Coolie	day	0.336	645.00	216.72
9999	Bhisti	day	0.336	714.00	239.90
	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
	Scaffolding	L.S.	19.76	2.12	41.89
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 3938.71 W 39.39 3978.10 X 558.92 4537.02 Y 680.55 5217.58 Z 52.18 5269.75 5269.75

8.14.3.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 1 sqm. MATERIAL Finished work = 30 cudm+Add wastage @ 33.3% = 9.99 cudm. Total = 39.99 cudm.				
2216	White sand stone block	10 cudm	3.999	205.00	819.80
	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.092	145.72	13.41
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class)	day	1.35	714.00	963.90
0102	Blacksmith 1st class	day	0.032	784.00	25.09
0114	Beldar	day	0.224	645.00	144.48
0115	Coolie	day	0.112	645.00	72.24
0100	Bandhani	day	0.224	714.00	159.94
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Mortar for laying and pointing	L.S.	19.76	2.12	41.89

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 3661.34 W 36.61 3697.95 X 519.56 4217.52 Y 632.63 4850.14 Z 48.50 4898.65 4898.65

8.14.4 White sand stone - Exposed face machine cut and table rubbed with rough backing.

8.14.4.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 1 sqm. MATERIAL Finished work = 70 cumd. Add wastage @ 33.3% = 23.33 cumd. Total = 93.33 cumd.				
2216	White sand stone block	10 cumd	9.333	205.00	1913.27
9999	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	145.72	31.33
0125	Extra for using white cement	L.S.	26.91	2.12	57.05
0102	Dressing charges				
0114	LABOUR				
0115	Mason (for plain stone work) 2nd class)	day	2.70	714.00	1927.80
0100	Blacksmith 1st class	day	0.064	784.00	50.18
0125	Beldar	day	0.448	645.00	288.96
0115	Coolie	day	0.224	645.00	144.48
0100	Bandhani	day	0.448	714.00	319.87
0125	Fixing charges				
0100	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 6138.38 W 61.38 6199.76 X 871.07 7070.83 Y 1060.62 8131.45 Z 81.31 8212.77 8212.75

8.14.4.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 1 sqm.				
2216	MATERIAL				
	Finished work = 60 cudm+Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.				
	White sand stone block	10 cudm	8.00	205.00	1640.00
	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	145.72	26.81
9999	Extra for using white cement	L.S.	26.91	2.12	57.05
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	714.00	1927.80
0102	Blacksmith 1st class	day	0.064	784.00	50.18
0114	Beldar	day	0.448	645.00	288.96
0115	Coolie	day	0.224	645.00	144.48
0100	Bandhani	day	0.448	714.00	319.87
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 5860.60 W 58.61 5919.20 X 831.65 6750.85 Y 1012.63 7763.48 Z 77.63 7841.11 7841.10

8.14.4.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 1 sqm. MATERIAL Finished work = 50 cu dm+Add wastage @ 33.3% = 16.7 cu dm. Total = 66.7 cu dm.				
2216	White sand stone block Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	10 cu dm	6.67	205.00	1367.35
9999	Extra for using white cement Dressing charges LABOUR	tonne	0.153	145.72	22.30
0125	Mason (for plain stone work) 2nd class)	L.S.	26.91	2.12	57.05
0102	Blacksmith 1st class	day	2.70	714.00	1927.80
0114	Beldar	day	0.064	784.00	50.18
0115	Coolie	day	0.448	645.00	288.96
0100	Bandhani	day	0.224	645.00	144.48
	Fixing charges	day	0.448	714.00	319.87
0125	Mason (for plain stone work) 2nd class)	LABOUR	day	714.00	319.87
0100	Bandhani	day	0.448	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 5583.43 W 55.83 5639.26 X 792.32 6431.58 Y 964.74 7396.32 Z 73.96 7470.28 7470.30

8.14.4.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 1 sqm. MATERIAL Finished work = 40 cu dm+Add wastage @ 33.3% = 13.3 cu dm. Total = 53.3 cu dm.				
2216	White sand stone block Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	10 cu dm	5.33	205.00	1092.65
9999	tonne Extra for using white cement Dressing charges	tonne	0.123	145.72	17.92
0125	LABOUR Mason (for plain stone work) 2nd class)	L.S.	26.91	2.12	57.05
0102	Blacksmith 1st class	day	2.70	714.00	1927.80
0114	Beldar	day	0.064	784.00	50.18
0115	Coolie	day	0.448	645.00	288.96
0100	Bandhani	day	0.224	645.00	144.48
	Fixing charges	day	0.448	714.00	319.87
0125	LABOUR Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 5304.36 W 53.04 5357.40 X 752.71 6110.11 Y 916.52 7026.63 Z 70.27 7096.90 7096.90

8.14.4.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 1 sqm. MATERIAL Finished work = 30 cudm+Add wastage @ 33.3% = 9.99 cudm. Total = 39.99 cudm.				
2216	White sand stone block	10 cudm	3.999	205.00	819.80
	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.092	145.72	13.41
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class)	day	2.70	714.00	1927.80
0102	Blacksmith 1st class	day	0.064	784.00	50.18
0114	Beldar	day	0.448	645.00	288.96
0115	Coolie	day	0.224	645.00	144.48
0100	Bandhani	day	0.448	714.00	319.87
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Mortar for laying and pointing	L.S.	19.76	2.12	41.89

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 5026.98 W 50.27 5077.25 X 713.35 5790.61 Y 868.59 6659.20 Z 66.59 6725.79 6725.80

8.14.5 Gang saw cut stone

8.14.5.1 30mm thick White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8684	Details of cost for 1 sqm. MATERIAL 1.00 sqm + 0.05 sqm (Add wastage @ 5%) = 1.05 sqm White sand stone gang saw cut 30 mm thick	sqm	1.05	560.00	588.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.072	145.72	10.49
9999	Extra for using white cement Fixing charges LABOUR	L.S.	26.91	2.12	57.05
0125	Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	19.76	2.12	41.89
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 2060.99 W 20.61 2081.60 X 292.46 2374.06 Y 356.11 2730.17 Z 27.30 2757.47 2757.45

8.14.5.2 30mm thick Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8683	Details of cost for 1 sqm. MATERIAL 1.00 sqm + 0.05 sqm (Add wastage @ 5%) = 1.05 sqm Red sand stone gang saw cut 30 mm thick				
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	sqm	1.05	476.00	499.80
9999	Extra for using white cement Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
0101	Bhisti	day	0.336	714.00	239.90
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	19.76	2.12	41.89
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	5024.15	90.43 1972.79 W 19.73 1992.51 X 279.95 2272.46 Y 340.87 2613.33 Z 26.13 2639.47 2639.45

8.15 Providing and fixing stainless steel cramps of required size and shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases in stone and holes in walls wherever required.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one cramp of 0.934kg MATERIAL Stainless steel cramp $10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^5$ $10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^5$ $= 13.3 \times 10^5$ less hole $10 \times 0.024 \times 0.010 \times 0.006$ $= 1.4 \times 10^5$ $= 11.9 \times 10^5 \times 7850 = 0.934 \text{ kg}$ Add wastage @ 5% = 0.047kg. Total = 0.981 kg.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7339	Stainless steel cramp	kilogram	0.981	290.00	284.49
9977	CARRIAGE	L.S.	3.90	2.12	8.27
3.7	Cement mortar 1:2 (1 cement : 2 coarse sand)				
9999	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5699.25	5.70
	Labour for fixing in position	L.S.	65.00	2.12	137.80
	TOTAL				436.26 W
	Add 1 % Water charges on "W"				4.36
	TOTAL				440.62 X
	Add GST on "X" (multiplying factor 0.1405)				61.91
	TOTAL				502.53 Y
	Add 15% CPOH on "Y"				75.38
	TOTAL				577.91 Z
	Add Cess @ 1% on "Z"				5.78
	Cost for 0.934 kg.				583.69
	Cost per kg				624.93
	Say				624.95

8.16 Providing and fixing copper pins 7.5 cm long 6 mm diameter for securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0873	Details of cost for one copper pin MATERIAL	each	1.00	10.00	10.00
9999	Copper pins 6 mm dia 7.5 cm long Labour for making pin in to required shape and size, cutting chases in stone and fixing in position	L.S.	3.90	2.12	8.27
3.7	Cement mortar 1:2 (1 cement : 2 coarse sand)				
9999	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5699.25	5.70
	Sundries including hire charges of hand cut machine etc.	L.S.	1.95	2.12	4.13
	TOTAL				28.10 W
	Add 1 % Water charges on "W"				0.28
	TOTAL				28.38 X
	Add GST on "X" (multiplying factor 0.1405)				3.99
	TOTAL				32.37 Y
	Add 15% CPOH on "Y"				4.86
	TOTAL				37.23 Z
	Add Cess @ 1% on "Z"				0.37
	Cost of one copper pin				37.60
	Say				37.60

8.17 Wall lining butch work upto 10m height with Dholpur stone 40 mm thick rough facing on the exposed surface with stone strips of minimum length 300 mm and required width, including embedding every tenth layer and bottom most layer in masonry or concrete after making necessary chases of size 75x75 mm and by providing layer of 75 mm thick strips i/c 12 mm thick bed of cement mortar 1:3 (1 Cement : 3 coarse sand) i/c ruled pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment to match the shade of stone complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1165	Details of cost for 1sqm. Dholpur stone 40mm thick Wall face = 1.00sqm. Deduct for embedded portion $3 \times 0.04 \times 1.0 = 0.12$ sqm. Net quantity = 0.88sqm. Add wastage 5% = 0.04sqm. Total = 0.92 sqm. White sand stone slab 40 mm thick (un-dressed) 75mm thick $3 \times 0.04 \times 1.0 = 0.12$ sqm. Add wastage 5% = 0.01 sqm. Total = 0.13 sqm.	sqm	0.92	250.00	230.00
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	0.13	800.00	104.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab $0.92 \times 0.04 = 0.0368$ cum. $0.13 \times 0.075 = 0.0100$ cum. = 0.0468 cum. or 468 cudm. 468 cudm @ 2.3 kg/cudm = 108 kg = 0.108 tonne	tonne	0.108	145.72	15.74
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device Assuming 50mm thick strips 20×1.0 = 20 metre Mortar with coarse sand 1:3 for (a) stone backing 12mm thick = 0.0144 cum. (b) for fixing of stone = 0.40/25 = 0.0160 cum. Total = 0.0304 cum.	metre	20.00	10.00	200.00
3.8	Rate as per Item Number 3.8 of SH: Mortars Cutting chases and making good with mortar after insuring stone etc.	cum	0.0304	5024.15	152.73
18.78	Rate as per Item Number 18.78 of SH: Water	metre	3.00	171.80	515.40 A
9999	White cement and pigment for pointing LABOUR	L.S.	40.43	2.12	85.71
0126	Mason (for ornamental stone work) 1st class	day	0.25	784.00	196.00
0125	Mason (for plain stone work) 2nd class)	day	0.25	714.00	178.50
0114	Beldar	day	0.50	645.00	322.50
0101	Bhisti	day	0.03	714.00	21.42

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and scaffolding brushes etc. TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 1sqm. Say	L.S.	26.91	2.12	57.05 2079.05 W 15.64 2094.69 X 221.89 2316.58 Y 270.18 2586.76 Z 20.71 2607.47 2607.45

8.18 Stone work (machine cut edges in veneer work) for wall lining upto 10 m height, backing filled with a grout of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust), including grinding with hand grinder on joints rubbing and polishing complete. (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately).

8.18.1 Pre polished Kota stone slabs on exposed face.

8.18.1.1 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1168	Details of cost for 10sqm. MATERIAL 25mm thick kota stone slabs = 10 sqm. Add 10% wastage = 1.50 sqm. Total = 11.50 sqm. Kotastone slab 25mm thick (rough cheseled)	sq.m.	11.00	320.00	3520.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1:3 (1 cement : 3 coarse sand)	tonne	0.64	145.72	93.26
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	5024.15	723.48
9999	Cement mortar for pointing. LABOUR	L.S.	40.43	2.12	85.71
0125	Mason (for plain stone work) 2nd class)	day	6.50	714.00	4641.00
0114	Beldar	day	6.50	645.00	4192.50
0115	Coolie	day	4.30	645.00	2773.50
0139	Skilled Beldar for grinding with hand grinder, rubbing and polishing	day	1.00	714.00	714.00
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 sqm. Cost of 1 sqm. Say	L.S.	111.54	2.12 2409.53 19559.25 Y 2933.89 22493.14 Z 224.93 22718.07 2271.81 2271.80	236.46 16979.91 W 169.80 17149.71 X 19559.25 Y 2933.89 22493.14 Z 224.93 22718.07 2271.81 2271.80

8.19 Extra for stone work for wall lining on exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 10 sqm Analysis same as Item Number 13.74 MATERIAL				
9999	Scaffolding	L.S.	215.28	2.12	456.39
0123	Mason (brick layer) 1st class	day	0.30	784.00	235.20
0114	Beldar	day	0.30	645.00	193.50
0101	Bhisti	day	0.15	714.00	107.10
9999	Sundries	L.S.	28.6	2.12	60.63
	TOTAL				1052.83 W
	Add 1 % Water charges on "W"				10.53
	TOTAL				1063.35 X
	Add GST on "X" (multiplying factor 0.1405)				149.40
	TOTAL				1212.76 Y
	Add 15% CPOH on "Y"				181.91
	TOTAL				1394.67 Z
	Add Cess @ 1% on "Z"				13.95
	Cost of 10.00 sqm				1408.62
	Cost of 1.00 sqm				140.86
	Say				140.85

8.20 Providing and fixing dry cladding upto 10 metre heights with 30mm thick gang saw cut stone with machine cut edges of uniform colour and size upto 1m x 1m, fixed to structural steel frame work and/ or with the help of cramps, pins etc. and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-charge. (The steel frame work, stainless steel cramps and pins etc. shall be paid for separately).

8.20.1 Red sand stone - 30mm thick gang saw cut stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL				
8683	Red sand stone = 1.00sqm. Add 5% wastage = 0.05sqm. Total = 1.05 sqm Red sand stone gang saw cut 30 mm thick	sqm	1.05	476.00	499.80
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm Fixing Charges LABOUR	tonne	0.072	145.72	10.49
0125	Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
1237	Cutting marble or sand stone slab up to 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Fixing including weather sealant and removing	L.S.	51.10	2.12	108.33
9999	Silicon gun/ pump etc.	L.S.	68.25	2.12	144.69
	TOTAL				1838.42 W
	Add 1 % Water charges on "W"				18.38
	TOTAL				1856.81 X
	Add GST on "X" (multiplying factor 0.1405)				260.88
	TOTAL				2117.69 Y
	Add 15% CPOH on "Y"				317.65
	TOTAL				2435.34 Z
	Add Cess @ 1% on "Z"				24.35
	Cost of 1 sqm				2459.69
	Say				2459.70

8.20.2 White sand stone - 30mm thick gang saw cut stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL White sand stone = 1.00sqm Add 5% wastage = 0.05sqm Total = 1.05 sqm				
8684	White sand stone gang saw cut 30 mm thick	sqm	1.05	560.00	588.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm Fixing Charges LABOUR	tonne	0.072	145.72	10.49
0125	Mason (for plain stone work) 2nd class	day	0.448	714.00	319.87
0100	Bandhani	day	0.336	714.00	239.90
0114	Beldar	day	0.336	645.00	216.72
0115	Coolie	day	0.336	645.00	216.72
1237	Cutting marble or sand stone slab up to 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.12	41.89
9999	Fixing including weather sealant and removing	L.S.	51.10	2.12	108.33
9999	Silicon gun/ pump etc.	L.S.	68.25	2.12	144.69
	TOTAL				1926.62 W
	Add 1 % Water charges on "W"				19.27
	TOTAL				1945.89 X
	Add GST on "X" (multiplying factor 0.1405)				273.40
	TOTAL				2219.28 Y
	Add 15% CPOH on "Y"				332.89
	TOTAL				2552.18 Z
	Add Cess @ 1% on "Z"				25.52
	Cost of 1 sqm				2577.70
	Say				2577.70

8.21 Providing and fixing structural steel frame (for dry cladding with 30 mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square/ rectangular tube in the required pattern as per architectural drawing, including cost of cutting, bending, welding etc. The frame work shall be fixed to the wall with the help of M.S. brackets/ lugs of angle iron/ flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps/ pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4009	Details of cost for 100.78 kg. M.S. tube 50x25x18mm Vertical 4.0x3.0 mtr = 12.00 Vertical 4.0x3.0x0.93 =11.16 m Total = 23.16 mtr Add 10% wastage = 2.32 m Total 25.48mtr @ 2.02 kg/m = 51.47 kg Mild steel tubes hot finished welded type Angle iron 50x50x6mm 16x0.60=9.60 16x0.15=2.40 Total=12.00 Add 10% wastage = 1.20m Total=13.20m @4.50kg/m=59.40kg or 0.594 q	kilogram	51.47	60.00	3088.20
1007	Structurals such as tees,angles channels and R.S. joists Cement concrete 1:2:4 =16x0.30x0.23x0.30=0.331 cum	quintal	0.594	4950.00	2940.30
4.1.3	Rate as per item no. 4.1.3 of SH : concrete work Making holes in brick work=16nos. LABOUR	cum	0.331	7365.15	2437.86 A
0123	Mason (brick layer) 1st class	day	0.26	784.00	203.84
0124	Mason (brick layer) 2nd class	day	0.26	714.00	185.64
0114	Beldar Welding for frame welding 16x(2.5+5+2.5+5) = 240 cm For hold fast 16x20cm = 320cm Total = 560cm	day	2.00	645.00	1290.00
1215	Welding by electric plant LABOUR	cm	560.00	2.00	1120.00
0102	Blacksmith 1st class	day	1.34	784.00	1050.56
0100	Bandhani	day	0.67	714.00	478.38
0114	Beldar	day	4.92	645.00	3173.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries Painting with epoxy paint over and including priming coat area $22.80 \times 0.15 = 3.42$ $12 \times 0.2 = 2.40$ Total = 5.82sqm	L.S.	80.73	2.12	171.15
13.52.1	Rate as per Item no. 13.52.1 of SH: Finishing	sqm	5.82	201.70	1173.89 A
9999	For labour scaffolding etc	L.S.	80.73	2.12	171.15
	TOTAL				17484.37 W
	Add 1 % Water charges on "W-A"				138.73
	TOTAL				17623.10 X
	Add GST on "X-A" (multiplying factor 0.1405)				1968.59
	TOTAL				19591.69 Y
	Add 15% CPOH on "Y-A"				2396.99
	TOTAL				21988.68 Z
	Add Cess @ 1% on "Z-A"				183.77
	Cost for 100.78 kg				22172.45
	Cost for 1 kg				220.01
	Say				220.00

8.22 Providing and fixing adjustable stainless steel cramps of approved quality, required shape and size, adjustable with stainless steel nuts, bolts and washer (total weight not less than 260 gms), for dry stone cladding fixed on frame work at suitable location, including making necessary recesses in stone slab, drilling required holes etc complete as per direction of the Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8698	Details of cost for 10 Nos. Stainless steel cramps (weight 260 grams) with nuts, bolts and washer for dry stone cladding LABOUR For making holes, recesses etc. and fixing of stainless steel cramps.	each	10.00	115.00	1150.00
0103	Blacksmith 2nd class	day	0.10	714.00	71.40
0124	Mason (brick layer) 2nd class	day	1.00	714.00	714.00
0114	Beldar	day	1.10	645.00	709.50
9999	Scaffolding, hire charges of drill machine etc.	L.S.	20.8	2.12	44.10
9999	Sundries	L.S.	20.8	2.12	44.10
	TOTAL				2733.09 W
	Add 1 % Water charges on "W"				27.33
	TOTAL				2760.42 X
	Add GST on "X" (multiplying factor 0.1405)				387.84
	TOTAL				3148.26 Y
	Add 15% CPOH on "Y"				472.24
	TOTAL				3620.50 Z
	Add Cess @ 1% on "Z"				36.21
	Cost for 10 Nos.				3656.71
	Cost for 1 Nos.				365.67
	Say				365.65

8.23 Providing 50x50x50 mm 2nd class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) and making good the walls etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 Nos. MATERIAL Teak wood (2nd class) 100x(50x50x50)mm = 0.0125cum Add wastage @ 10% = 0.0013 cum. Total = 0.0138 cum. Say 14 cumd.				
1189	Second class teak wood in scantling	10 cumd	1.40	776.00	1086.40
2204	Carriage of Timber	cum	0.014	187.35	2.62
3.3	Cement mortar 1 : 3 (1 cement : 3 fine sand)	cum	0.002	4382.15	8.76
0112	SH: Mortars				
0124	LABOUR				
0114	Carpenter 2nd class	day	0.75	714.00	535.50
	Mason (brick layer) 2nd class	day	0.75	714.00	535.50
	Beldar	day	0.75	645.00	483.75
	TOTAL				2652.54 W
	Add 1 % Water charges on "W"				26.53
	TOTAL				2679.06 X
	Add GST on "X" (multiplying factor 0.1405)				376.41
	TOTAL				3055.47 Y
	Add 15% CPOH on "Y"				458.32
	TOTAL				3513.79 Z
	Add Cess @ 1% on "Z"				35.14
	Cost of 100 nos.				3548.93
	Cost of 1 no.				35.49
	Say				35.50

8.24 Providing and fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work / CC/ R.C.C. and making good etc. complete.

8.24.1 25 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7312	Details of cost of 10 nos. MATERIAL Expandable fastner with plastic sleeve and M.S. screws. 25 mm long	each	10.00	10.00	100.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Labour for drilling holes and making good etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	L.S.	20.80	2.12	44.10 144.10 W 1.44 145.54 X 20.45 165.98 Y 24.90 190.88 Z 1.91 192.79 19.28 19.30

8.24.2 32 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7313	Details of cost of 10 nos. MATERIAL				
9999	Expandable fastner with plastic sleeve and M.S. screws. 32 mm long Labour for drilling holes and making good etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	each L.S.	10.00 26.00	10.00 2.12	100.00 55.12 155.12 W 1.55 156.67 X 22.01 178.68 Y 26.80 205.49 Z 2.05 207.54 20.75 20.75

8.24.3 40 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7314	Details of cost of 10 nos. MATERIAL Expandable fastner with plastic sleeve and M.S. screws. 40 mm long	each	10.00	13.00	130.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Labour for drilling holes and making good etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	L.S.	26.00	2.12	55.12 185.12 W 1.85 186.97 X 26.27 213.24 Y 31.99 245.23 Z 2.45 247.68 24.77 24.75

8.24.4 50 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7315	Details of cost of 10 nos. MATERIAL				
9999	Expandable fastner with plastic sleeve and M.S. screws. 50 mm long Labour for drilling holes and making good etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	each L.S.	10.00 26.00	14.00 2.12	140.00 55.12 195.12 W 1.95 197.07 X 27.69 224.76 Y 33.71 258.47 Z 2.58 261.06 26.11 26.10

8.25 Providing and fixing 2nd class teak wood plain lining tongued and grooved, including wooden plugs complete with necessary screws and priming coat on unexposed surface.

8.25.1 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost of 10 sqm MATERIAL Teak wood (2nd class) 10x0.04m = 0.40cum+ Add wastage @ 10% = 0.04 cum. Total = 0.44 cum. Say 440 cudm. Second class teak wood in planks	10 cudm	44.00	791.00	34804.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1231	Extra for selected planks of second class teakwood	10 cu dm	44.00	150.00	6600.00
8.23	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) Rate as per item no 8.23 of SH : Cladding Work Priming coat	each	55.00	35.50	1952.50 A
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	61.45	614.50 A
2204	Carriage of Timber LABOUR For planning and fixing	cum	0.44	187.35	82.43
0111	Carpenter 1st class	day	2.15	784.00	1685.60
0114	Beldar	day	1.62	645.00	1044.90
9999	Sundries & screws etc. TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	53.82	2.12	114.10 46898.03 W 443.31 47341.34 X 6290.80 53632.14 Y 7659.77 61291.91 Z 587.25 61879.16 6187.92 6187.90

8.25.2 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost of 10 sqm MATERIAL Teak wood 2nd class 10x0.25 = 0.25cum+ Add wastage @ 10% = 0.025 cum. Total = 0.275 cum. Say 275 cu dm.	10 cu dm	27.50	791.00	21752.50
1231	Second class teak wood in planks Extra for selected planks of second class teakwood	10 cu dm	27.50	150.00	4125.00
2204	Carriage of Timber Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)	cum	0.275	187.35	51.52
8.23	Rate as per item no 8.23 of SH : Cladding Work Priming coat	each	55.00	35.50	1952.50 A
13.50.1	Rate as per item no 13.50.1 of SH : Finishing LABOUR Carpenter 1st class	sqm	10.00	61.45	614.50 A
0111	Beldar	day	2.15	784.00	1685.60
0114		day	1.62	645.00	1044.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries & screws etc. TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	53.82	2.12	114.10 31340.62 W 287.74 31628.36 X 4083.12 35711.48 Y 4971.67 40683.15 Z 381.16 41064.31 4106.43 4106.45

8.25.3 20 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost of 10 sqm MATERIAL Teak wood (2nd class) 10x0.02m = 0.20cum.+ Add wastage @ 10% = 0.02 cum. Total = 0.22 cum. Say 220 cudm.				
1231	Second class teak wood in planks Extra for selected planks of second class teakwood	10 cudm	22.00	791.00	17402.00
2204	Carriage of Timber	10 cudm cum	22.00 0.22	150.00 187.35	3300.00 41.22
8.23	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) Rate as per item no 8.23 of SH : Cladding Work Priming coat	each	55.00	35.50	1952.50 A
13.50.1	Rate as per item no 13.50.1 of SH : Finishing LABOUR	sqm	10.00	61.45	614.50 A
0111	Carpenter 1st class	day	1.08	784.00	846.72
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.08	645.00	696.60
9999	Sundries & screws etc. TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	53.82	2.12 2.12 3259.82 29028.37 Y 3969.21 32997.58 Z 304.31 33301.88 3330.19 3330.20	114.10 25538.84 W 229.72 25768.55 X 3259.82 29028.37 Y 3969.21 32997.58 Z 304.31 33301.88 3330.19 3330.20

8.25.4 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost of 10 sqm Wood- Second class teak wood 10x0.012 = 0.12 cum+ Add wastage @ 10% = 0.012 cum. Total = 0.132 cum. Say 132 cudm.				
1231	Second class teak wood in planks Extra for selected planks of second class teakwood	10 cudm	13.20	791.00	10441.20
2204	Carriage of Timber	10 cudm cum	13.20 0.132	150.00 187.35	1980.00 24.73
8.23	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) Rate as per item no 8.23 of SH : Cladding Work LABOUR	each	55.00	35.50	1952.50 A
0111	Carpenter 1st class	day	1.08	784.00	846.72
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.08	645.00	696.60
13.50.1	Priming coat Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	61.45	614.50 A
9999	Sundries & screws etc. TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	53.82	2.12	114.10 17241.55 W 146.75 17388.29 X 2082.39 19470.69 Y 2535.55 22006.24 Z 194.39 22200.63 2220.06 2220.05

8.26 Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS : 12823 marked, including priming coat on unexposed arrangement and screws etc. complete :

8.26.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL Particle board (three layer medium density) 12mm thick = 10 sqm. Add wastage @ 10% = 1 sqm. Total = 11 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7477	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick				
9977	Carriage of particle board	sqm	11.00	500.00	5500.00
9999	Sundries and screws	L.S.	13.52	2.12	28.66
	Priming coat	L.S.	26.91	2.12	57.05
13.50.1	Rate as per item no 13.50.1 of SH : Finishing LABOUR	sqm	10.00	61.45	614.50 A
0112	Carpenter 2nd class	day	1.28	714.00	913.92
0114	Beldar	day	1.43	645.00	922.35
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	22.00	1210.00
	TOTAL				9246.48 W
	Add 1 % Water charges on "W-A"				86.32
	TOTAL				9332.80 X
	Add GST on "X-A" (multiplying factor 0.1405)				1224.92
	TOTAL				10557.72 Y
	Add 15% CPOH on "Y-A"				1491.48
	TOTAL				12049.21 Z
	Add Cess @ 1% on "Z-A"				114.35
	Cost of 10 sqm.				12163.55
	Cost of 1 sqm.				1216.36
	Say				1216.35

8.26.2 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7478	Details of cost for 10 sqm. MATERIAL Particle board (three layer medium density) 18 mm thick = 10 sqm. Add wastage @ 10% = 1 sqm. Total = 11 sqm. Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	11.00	560.00	6160.00
9977	Carriage of particle board	L.S.	13.52	2.12	28.66
9999	Sundries and screws	L.S.	26.91	2.12	57.05
13.50.1	Priming coat Rate as per item no 13.50.1 of SH : Finishing LABOUR	sqm	10.00	61.45	614.50 A
0112	Carpenter 2nd class	day	1.28	714.00	913.92
0114	Beldar	day	1.43	645.00	922.35

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7048	Rawl plug 50 mm (designation 10 no.) TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	each	55.00	22.00	1210.00 9906.48 W 92.92 9999.40 X 1318.58 11317.98 Y 1605.52 12923.50 Z 123.09 13046.59 1304.66 1304.65

8.26.3 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7479	Details of cost for 10 sqm. MATERIAL Particle board (three layer medium density) 25 mm thick = 10 sqm. Add wastage @ 10% = 1 sqm. Total = 11 sqm. Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	11.00	850.00	9350.00
9977	Carriage of particle board	L.S.	13.52	2.12	28.66
9999	Sundries and screws etc	L.S.	26.91	2.12	57.05
13.50.1	Priming coat Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	61.45	614.50 A
0112	LABOUR Carpenter 2nd class	day	1.28	714.00	913.92
0114	Beldar	day	1.43	645.00	922.35
7048	Rawl plug 50 mm (designation 10 no.) TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	each	55.00	22.00	1210.00 13096.48 W 124.82 13221.30 X 1771.26 14992.56 Y 2156.71 17149.27 Z 165.35 17314.61 1731.46 1731.45

8.27 Providing and fixing specified wood frame work consisting of battens 50x25mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.

8.27.1 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5 no. battens of size 500cmx50mmx25mm = 31.25 cu dm MATERIAL Hollock wood- 5x5.00x0.50x0.025 = 0.03125 cum Add wastage @ 5% = 0.00156 cum. Total = 0.03281 cum Say 33 cu dm.				
2505	Hollock wood in planks	10 cu dm	3.30	402.00	1326.60
2204	Carriage of Timber	cum	0.033	187.35	6.18
	LABOUR				
0111	Carpenter 1st class	day	1.00	784.00	784.00
0114	Beldar	day	0.25	645.00	161.25
9999	Sundries	L.S.	6.76	2.12	14.33
	Painting with ready mixed priming coat on ground 5x500x15 cm =3.75 sqm				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	3.75	61.45	230.44 A
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	22.00	1210.00
9999	Labour for drilling holes, steel tape, sundries etc.	L.S.	71.50	2.12	151.58
	TOTAL				3884.38 W
	Add 1 % Water charges on "W-A"				36.54
	TOTAL				3920.92 X
	Add GST on "X-A" (multiplying factor 0.1405)				518.51
	TOTAL				4439.43 Y
	Add 15% CPOH on "Y-A"				631.35
	TOTAL				5070.78 Z
	Add Cess @ 1% on "Z-A"				48.40
	Cost of 31.25 cu dm.				5119.19
	Cost of 1 cum.				163814.08
	Say				163814.10

8.28 Providing and fixing plywood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with :

8.28.1 Decorative veneer facings of approved manufacture

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0759	Details of cost for 10sqm. MATERIAL Teak ply wood = 10sqm. Add for wastage @ 20% = 2 sqm. Total = 12 sqm. Decorative plywood 4 mm	sqm	12.00	320.00	3840.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of ply wood	L.S.	5.46	2.12	11.58
8.23	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 fine sand) Rate as per item no 8.23 of SH : Cladding Work LABOUR	each	55.00	35.50	1952.50 A
0111	Carpenter 1st class	day	3.80	784.00	2979.20
0114	Beldar	day	4.60	645.00	2967.00
0130	Mistry	day	0.60	784.00	470.40
9999	20mm nails without head for fixing ply Painting with ready mixed priming coat	L.S.	53.82	2.12	114.10
13.50.1	Rate as per item no 13.50.1 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	sqm	10.00	61.45	614.50 A 12949.27 W 103.82 13053.10 X 1473.30 14526.39 Y 1793.91 16320.30 Z 137.53 16457.83 1645.78 1645.80

8.29 Providing and fixing 4mm thick coir veneer board, ISI marked IS : 14842, plain lining with necessary screws, priming coat on unexposed surface etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7552	Details of cost for 10sqm. MATERIAL Coir veneered board 4mm thick = 10sqm. Add for wastage @ 20% = 2 sqm. Total = 12 sqm.				
9977	Coir veneered board 4mm thick Carriage of Coir veneered board Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 fine sand) Rate as per item no 8.23 of SH : Cladding Work LABOUR	sqm L.S.	12.00 5.46	260.00 2.12	3120.00 11.58
8.23	Carpenter 1st class Beldar Mistry 20mm nails without head for fixing ply Priming coat Painting with ready mixed priming coat	each	55.00	35.50	1952.50 A
0111		day	3.80	784.00	2979.20
0114		day	4.60	645.00	2967.00
0130		day	0.60	784.00	470.40
9999		L.S.	53.82	2.12	114.10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.1	Rate as per item no 13.50.1 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	sqm	10.00	61.45	614.50 A 12229.27 W 96.62 12325.90 X 1371.12 13697.02 Y 1669.50 15366.52 Z 128.00 15494.52 1549.45 1549.45

8.30 Providing and fixing skirting with Pre-laminated (one side decorative and other side balancing lamination) flat pressed 3 layer or graded particle board (medium density) Grade I, Type II, IS :12823 marked, with necessary fixing arrangements and screws, including drilling necessary holes for rawl plugs etc. and priming coat on unexposed surface complete :

8.30.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7478	Details of cost for skirting 200mm wide and 30m long Area = $0.2 \times 30 = 6$ sqm. Area = $0.2 \times 30 = 6$ sqm. MATERIAL Teak shade prelaminated Particle board (three layer medium density) = 6.0 sqm.+ Add wastage @ 10% = 0.6sqm. Total = 6.6 sqm. Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick				
9977	Carriage of particle board	sqm	6.60	560.00	3696.00
7048	Rawl plug 50 mm (designation 10 no.)	L.S.	8.11	2.12	17.19
9999	Labour for drilling holes	each	102.00	22.00	2244.00
	LABOUR	L.S.	130.00	2.12	275.60
0112	For dressing and fixing particle board to skirting	day	0.77	714.00	549.78
0114	Carpenter 2nd class	day	0.86	645.00	554.70
9999	Beldar	L.S.	53.82	2.12	114.10
	Sundries (Screws, sand paper)				
	Painting with ready mixed priming coat at back				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.1	Rate as per item no 13.50.1 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 6 sqm. Cost of 1 sqm. Say	sqm	6.00	61.45	368.70 A 7820.07 W 74.51 7894.59 X 1057.39 8951.97 Y 1287.49 10239.46 Z 98.71 10338.17 1723.03 1723.05

8.30.2 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7479	Details of cost for skirting 200mm wide and 30m long Area = $0.2 \times 30 = 6$ sqm. Area = $0.2 \times 30 = 6$ sqm. MATERIAL Teak shade prelaminated Particle board (three layer medium density) = 6.0 sqm.+ Add wastage @ 10% = 0.6sqm. Total = 6.6 sqm. Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick				
9977	Carriage of particle board	sqm	6.60	850.00	5610.00
7048	Rawl plug 50 mm (designation 10 no.)	L.S.	8.11	2.12	17.19
9999	Labour for drilling holes	each	102.00	22.00	2244.00
	LABOUR	L.S.	130.00	2.12	275.60
0112	For dressing and fixing particle board to skirting	day	0.77	714.00	549.78
0114	Carpenter 2nd class	day	0.86	645.00	554.70
9999	Beldar	L.S.	53.82	2.12	114.10
	Sundries (Screws, sand paper)				
13.50.1	Painting with ready mixed priming coat at back Rate as per item no 13.50.1 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 6 sqm. Cost of 1 sqm. Say	sqm	6.00	61.45	368.70 A 9734.07 W 93.65 9827.73 X 1328.99 11156.72 Y 1618.20 12774.92 Z 124.06 12898.98 2149.83 2149.85

8.31 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Ceramic Glazed tiles = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
7800	Ceramic Glazed Tiles 1st quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black Carriage of tiles 12 mm thick Cement mortar 1:3 (1 cement : 3 coarse sand)	Sq.m. L.S.	1.025 6.24	190.00 2.12	194.75 13.23
9977	Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	5024.15	70.34
3.8	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	40.43	2.12	85.71
0367	Portland Cement LABOUR	tonne	0.0033	5000.00	16.50
0123	Mason (brick layer) 1st class	day	0.25	784.00	196.00
0115	Coolie	day	0.25	645.00	161.25
9988	Sundries including carriage of cement etc TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.12	57.05 794.83 W 7.95 802.78 X 112.79 915.57 Y 137.33 1052.90 Z 10.53 1063.43 1063.45

8.32 Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:
(a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.

- (b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.
- (c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 6.72 sqm Width of the unit 1.6 m Height of the unit 4.2 m Area of Single Unit 6.72 sqm Total Area 6.72 sqm No of Panels 1 no Area i/c wastage @ 5% = 7.06 sqm Details of cost for 6.72 sqm MATERIALS				
2607	Weather Sealant - Non Staining (600 ml)	each	2.00	332.00	664.00
2608	Weather Sealant - Normal (300 ml)	each	2.00	102.00	204.00
2609	MS Brackets/Aluminium Alloy Brackets	kg	10.00	104.00	1040.00
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	0.70	156.00	109.20
2612	Anchor Fastner - M10	each	2.00	11.00	22.00
2613	SS Bolt with washer of sizes for structural glazing / ACP Cladding	each	2.00	37.00	74.00
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	49.00	4.00	196.00
2615	Protective Tape	metre	7.00	22.00	154.00
2630	Baker rod	metre	5.00	6.00	30.00
2616	GI flashing - 1.2 mm Thick	kg	4.00	61.00	244.00
2631	4 mm thick ACP	sqm	7.06	1100.00	7766.00
9999	Sundries	L.S.	451.00	2.12	956.12

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (For Fabrication)	L.S.	1895.30	2.12	4018.04
9999	Sundries (For Installation)	L.S.	1895.30	2.12	4018.04
9999	Sundries (Scaffolding / Loading / Unloading)	L.S.	602.25	2.12	1276.77
9999	Sundries (Transportation)	L.S.	473.83	2.12	1004.52
9999	Sundries (Designing charges etc.)	L.S.	328.15	2.12	695.68
	TOTAL				22472.36 W
	Add 1 % Water charges on "W"				224.72
	TOTAL				22697.08 X
	Add GST on "X" (multiplying factor 0.1405)				3188.94
	TOTAL				25886.02 Y
	Add 15% CPOH on "Y"				3882.90
	TOTAL				29768.93 Z
	Add Cess @ 1% on "Z"				297.69
	Cost for 6.72 sqm				30066.62
	Cost for 1 sqm				4474.20
	Say				4474.20

SUB HEAD : 9.0

WOOD

&

PVC WORK

9.1 Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).

9.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm MATERIAL Superior class teakwood such as Dandeli Balarshah or Malabar 2x206.75x9.5x7.0cm =0.028cum+ 1x117.5x9.5x7.0cm = 0.008cum. = 0.036cum.+ Add for wastage @ 5% = 0.002cum. Grand Total = 0.038cum = 38 cumd Second class teak wood in scantling Carriage of Timber LABOUR Carpenter (average) Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 36 cumd. Cost per cum. Say				
1189		10 cumd	3.80	776.00	2948.80
2204		cum	0.038	187.35	7.12
0156		day	0.72	749.00	539.28
0114		day	0.07	645.00	45.15
					3540.35 W
					35.40
					3575.75 X
					502.39
					4078.15 Y
					611.72
					4689.87 Z
					46.90
					4736.77
					131576.94
					131576.95

9.1.2 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm. MATERIAL Salwood 2x206.75x9.5x7.0cm =0.028cum+ 1x117.5x9.5x7.0cm = 0.008cum. = 0.036cum.+ Add for wastage @ 5% = 0.002cum. Grand Total = 0.038cum = 38 cumd Sal wood in scantling Carriage of Timber LABOUR Carpenter (average)				
1199		10 cumd	3.80	600.00	2280.00
2204		cum	0.038	187.35	7.12
0156		day	0.72	749.00	539.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 36 cudm. Cost per cum. Say	day	0.07	645.00	45.15 2871.55 W 28.72 2900.26 X 407.49 3307.75 Y 496.16 3803.91 Z 38.04 3841.95 106720.83 106720.85

9.1.3 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowhat of a door 206.75x117.5cm. MATERIAL Hollock wood 2x206.75x9.5x7.0cm =0.028cum+ 1x117.5x9.5x7.0cm = 0.008cum. = 0.036cum.+ Add for wastage @ 5% = 0.002cum. Grand Total = 0.038cum = 38cudm				
2466	Hollock wood in scantling	10 cudm	3.80	357.00	1356.60
2204	Carriage of Timber	cum	0.038	187.35	7.12
2504	Kiln seasoning of timber	cum	0.038	772.00	29.34
9999	Chemical treatment	L.S.	8.97	2.12	19.02
	LABOUR				
0156	Carpenter (average)	day	0.72	749.00	539.28
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 36 cudm.(finished work) Cost per cum. Say	day	0.07	645.00	45.15 1996.50 W 19.97 2016.47 X 283.31 2299.78 Y 344.97 2644.75 Z 26.45 2671.19 74199.72 74199.70

9.2 Providing laminated veneer lumber conforming to IS:14616 and TAD -15: 2001 (Part B) in factory made frames of doors, windows, clerestory windows and other frames, wrought framed and fixing in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7157	Details of cost for Chowkhat of a door 206.75x117.5cm. MATERIAL Laminated veneer lumber including wastage @ 5% $2 \times 206.75 \times 9.5 \times 7.0 \text{cm} = 0.028 \text{cum} + 1 \times 117.5 \times 9.5 \times 7.0 \text{cm} = 0.008 \text{cum}$. = 0.036cum.+ Add for wastage @ 5% = 0.002cum. Grand Total = 0.038cum = 38cudm Laminated veneer lumber confirming to TADS 15:1995 manufactured in factory in frames of doors, windows				
2204	Carriage of Timber LABOUR Carpenter 1st class Carpenter 2nd class Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 36 cudm Cost of 1 cum Say	10 cudm cum day day day	3.80 0.038 0.20 0.20 0.20	700.00 187.35 784.00 714.00 645.00	2660.00 7.12 156.80 142.80 129.00 3095.72 W 30.96 3126.68 X 439.30 3565.97 Y 534.90 4100.87 Z 41.01 4141.88 115052.22 115052.20
0111					
0112					
0114					

9.3 Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.

9.3.1 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ceiling for a room 3x3m MATERIAL Salwood = $6 \times 3.30 \times (50/1000) \times (125/1000) = 0.1238 \text{ cum}$. + Cross battens 60mm centre to center 38x50mm. $6 \times 3 \times (38/1000) \times 50/1000 = 0.0342 \text{ cum}$. = 0.1580 cum.+ Add for wastage @ 5% = 0.0079 cum. = 0.1659 cum. say 166 cudm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1199	Sal wood in scantling		10 cumd cum	600.00 187.35	9960.00 31.10
2204	Carriage of Timber				
	LABOUR				
0112	Carpenter 2nd class	day	1.00	714.00	714.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries screws etc.	L.S.	53.82	2.12	114.10
	TOTAL				11464.20 W
	Add 1 % Water charges on "W"				114.64
	TOTAL				11578.84 X
	Add GST on "X" (multiplying factor 0.1405)				1626.83
	TOTAL				13205.67 Y
	Add 15% CPOH on "Y"				1980.85
	TOTAL				15186.52 Z
	Add Cess @ 1% on "Z"				151.87
	Cost of 158 cumd.				15338.38
	Cost per cum.				97078.35
	Say				97078.35

9.3.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ceiling for a room 3x3m MATERIAL Hollock wood = $6 \times 3.30 \times (50/1000) \times (125/1000) = 0.1238$ cum. + Cross battens 60mm centre to center 38x50mm. $6 \times 3 \times (38/1000) \times 50/1000 = 0.0342$ cum. = 0.1580 cum.+ Add for wastage @ 5% = 0.0079 cum. = 0.1659 cum. say 166 cumd.				
2466	Hollock wood in scantling	10 cumd	16.60	357.00	5926.20
2204	Carriage of Timber	cum	0.166	187.35	31.10
2504	Kiln seasoning of timber	cum	0.166	772.00	128.15
9999	Chemical treatment	L.S.	18.20	2.12	38.58
	LABOUR				
0112	Carpenter 2nd class	day	1.00	714.00	714.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries screws etc.	L.S.	53.82	2.12	114.10
	TOTAL				7597.13 W
	Add 1 % Water charges on "W"				75.97
	TOTAL				7673.11 X
	Add GST on "X" (multiplying factor 0.1405)				1078.07
	TOTAL				8751.18 Y
	Add 15% CPOH on "Y"				1312.68
	TOTAL				10063.85 Z
	Add Cess @ 1% on "Z"				100.64
	Cost of 158 cumd (finished work)				10164.49
	Cost per cum.				64332.22
	Say				64332.20

9.4 Extra for additional labour for circular works, such as in frames of fan light
9.4.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.1 MATERIAL				
1189	Second class teak wood in scantling	10 cu dm	0.38	776.00	294.88
2204	Carriage of Timber	cum	0.0038	187.35	0.71
	LABOUR				
0156	Carpenter (average)	day	0.072	749.00	53.93
0114	Beldar	day	0.007	645.00	4.52
	TOTAL				354.03 W
	Add 1 % Water charges on "W"				3.54
	TOTAL				357.58 X
	Add GST on "X" (multiplying factor 0.1405)				50.24
	TOTAL				407.81 Y
	Add 15% CPOH on "Y"				61.17
	TOTAL				468.99 Z
	Add Cess @ 1% on "Z"				4.69
	Cost of 36 cu dm.				473.68
	Cost per cum.				13157.78
	Say				13157.80

9.4.2 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.2 MATERIAL				
1199	Sal wood in scantling	10 cu dm	0.38	600.00	228.00
2204	Carriage of Timber	cum	0.0038	187.35	0.71
	LABOUR				
0156	Carpenter (average)	day	0.072	749.00	53.93
0114	Beldar	day	0.007	645.00	4.52
	TOTAL				287.15 W
	Add 1 % Water charges on "W"				2.87
	TOTAL				290.03 X
	Add GST on "X" (multiplying factor 0.1405)				40.75
	TOTAL				330.78 Y
	Add 15% CPOH on "Y"				49.62
	TOTAL				380.39 Z
	Add Cess @ 1% on "Z"				3.80
	Cost of 36 cu dm.				384.20
	Cost per cum.				10672.22
	Say				10672.20

9.4.3 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm. Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.3 MATERIAL				
2466	Hollock wood in scantling	10 cumd	0.38	357.00	135.66
2204	Carriage of Timber	cum	0.0038	187.35	0.71
2504	Kiln seasoning of timber	cum	0.0038	772.00	2.93
9999	Chemical treatment	L.S.	0.90	2.12	1.91
	LABOUR				
0156	Carpenter (average)	day	0.072	749.00	53.93
0114	Beldar	day	0.007	645.00	4.52
	TOTAL				199.66 W
	Add 1 % Water charges on "W"				2.00
	TOTAL				201.65 X
	Add GST on "X" (multiplying factor 0.1405)				28.33
	TOTAL				229.99 Y
	Add 15% CPOH on "Y"				34.50
	TOTAL				264.48 Z
	Add Cess @ 1% on "Z"				2.64
	Cost of 36 cumd.(finished work)				267.13
	Cost per cum.				7420.28
	Say				7420.30

9.5 Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)

9.5.1 Second class teak wood

9.5.1.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16 sqm) MATERIAL Teak wood Styles 4x200x10.0x3.5cm = 0.028cum+ Rails Top rails 1x110.5x10.0x3.5cm = 0.004cum.+ Bottom rails 1x110.5x20x3.5cm = 0.008cum+ Lock rails 1x110.5x15x3.5cm = 0.006cum+ Beading 2x186.1x1.9x1.2cm = 0.001cum. Total = 0.047 cum+ Add for wastage @ 10% = 0.005cum Grand Total = 0.051 cum = 51 cumd				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Second class teak wood in planks	10 cu dm	5.10	791.00	4034.10
2204	Carriage of Timber	cum	0.051	187.35	9.55
0156	LABOUR				
0114	Carpenter (average)	day	1.83	749.00	1370.67
9999	Beldar	day	0.76	645.00	490.20
	Sundries	L.S.	35.88	2.12	76.07
	TOTAL				5980.59 W
	Add 1 % Water charges on "W"				59.81
	TOTAL				6040.40 X
	Add GST on "X" (multiplying factor 0.1405)				848.68
	TOTAL				6889.07 Y
	Add 15% CPOH on "Y"				1033.36
	TOTAL				7922.43 Z
	Add Cess @ 1% on "Z"				79.22
	Cost of 2.16 sqm.				8001.66
	Cost of 1 sqm.				3704.47
	Say				3704.45

9.5.1.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16 sqm) MATERIAL Teak wood Styles : 4x200x10.0x3.0cm = 0.024 cum+ Top rails : 1x110.5x9.5x3.0cm = 0.003cum+ Bottom rails : 1x110.5x19.7x3.0cm = 0.007cum+ Lock rails : 1x110.5x15.0x3.0cm = 0.005cum+ Beading : 2x186.1x1.9x1.2cm = 0.001 cum. Total = 0.040 cum. + Add for wastage @ 10% = 0.004 cum. Grand Total = 0.044 cum = 44 cu dm				
1190	Second class teak wood in planks	10 cu dm	4.40	791.00	3480.40
2204	Carriage of Timber	cum	0.044	187.35	8.24
0156	LABOUR				
0114	Carpenter (average)	day	1.83	749.00	1370.67
	Beldar	day	0.76	645.00	490.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say	L.S.	35.88	2.12	76.07 5425.58 W 54.26 5479.83 X 769.92 6249.75 Y 937.46 7187.21 Z 71.87 7259.09 3360.69 3360.70

9.5.2 Kiln seasoned and chemically treated hollock wood

9.5.2.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2505	Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16 sqm) MATERIAL Hollock wood Styles 4x200x10.0x3.5cm = 0.028cum+ Rails Top rails 1x110.5x10.0x3.5cm = 0.004cum.+ Bottom rails 1x110.5x20x3.5cm = 0.008cum+ Lock rails 1x110.5x15x3.5cm = 0.006cum+ Beading 2x186.1x1.9x1.2cm = 0.001cum. Total = 0.047 cum+ Add for wastage @ 10% = 0.005cum Grand Total = 0.051 cum = 51 cumd Hollock wood in planks				
2204	Cum	10 cumd	5.10	402.00	2050.20
2504	Carriage of Timber	cum	0.051	187.35	9.55
9999	Kiln seasoning of timber	cum	0.051	772.00	39.37
	Chemical treatment	L.S.	9.10	2.12	19.29
0156	LABOUR Carpenter (average)	day	1.83	749.00	1370.67
0114	Beldar	day	0.76	645.00	490.20
9999	Sundries	L.S.	35.88	2.12	76.07
	TOTAL Add 1 % Water charges on "W"				4055.35 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				40.55
	TOTAL Add 15% CPOH on "Y"				4095.91 X
	TOTAL Add Cess @ 1% on "Z"				575.48
	Cost of 2.16 sqm.				4671.38 Y
	Cost of 1 sqm.				700.71
	Say				5372.09 Z
					53.72
					5425.81
					2511.95
					2511.95

9.5.2.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	<p>Details of cost for shutters of a door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16sqm. MATERIAL Hollock wood Styles 4x200x10.0x3.0cm = 0.024cum+ Rails Top rails 1x110.5x9.50x3.0cm = 0.003cum.+ Lock rails 1x110.5x15x3.0cm = 0.005cum+ Bottom rails 1x110.5x19.7x3.0cm = 0.007cum+ Beading 2x186.1x1.9x1.2cm = 0.001cum Total = 0.040 cum.+ Add for wastage @ 10% = 0.004cum Grand Total = 0.044 cum or = 44 cudm</p> <p>2505 Hollock wood in planks 2204 Carriage of Timber 2504 Kiln seasoning of timber 9999 Chemical treatment LABOUR 0156 Carpenter (average) 0114 Beldar 9999 Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say</p>				
2505	10 cu dm	4.40	402.00	1768.80	
2204	cum	0.044	187.35	8.24	
2504	cum	0.044	772.00	33.97	
9999	L.S.	9.10	2.12	19.29	
0156	day	1.83	749.00	1370.67	
0114	day	0.76	645.00	490.20	
9999	L.S.	35.88	2.12	76.07	
				3767.24 W	
				37.67	
				3804.91 X	
				534.59	
				4339.50 Y	
				650.93	
				4990.43 Z	
				49.90	
				5040.33	
				2333.49	
				2333.50	

9.5.3 Kiln seasoned selected planks of sheesham wood

9.5.3.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	<p>Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16 sqm) MATERIAL Sheesham wood Styles 4x200x10.0x3.5cm = 0.028cum+ Rails Top rails 1x110.5x10.0x3.5cm = 0.004cum.+ Lock rails 1x110.5x15x3.5cm = 0.006cum+</p>				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1200	Beading 2x186.1x1.9x1.2cm = 0.001cum. Total = 0.047 cum+ Add for wastage @ 10% = 0.005cum Grand Total = 0.051 cum or = 51 cudm Kiln seasoned selected sheesum wood planks	10 cudm	5.10	650.00	3315.00
2204	Carriage of Timber	cum	0.051	187.35	9.55
0156	LABOUR	day	1.83	749.00	1370.67
0114	Carpenter (average)	day	0.76	645.00	490.20
9999	Beldar	L.S.	35.88	2.12	76.07
	TOTAL				5261.49 W
	Add 1 % Water charges on "W"				52.61
	TOTAL				5314.11 X
	Add GST on "X" (multiplying factor 0.1405)				746.63
	TOTAL				6060.74 Y
	Add 15% CPOH on "Y"				909.11
	TOTAL				6969.85 Z
	Add Cess @ 1% on "Z"				69.70
	Cost of 2.16 sqm.				7039.55
	Cost of 1 sqm.				3259.05
	Say				3259.05

9.5.3.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1200	Details of cost for shutters of a door (1/3rd glazed and 2/3rd panelled). 200x108cm = 2.16sqm. MATERIAL Sheesham wood Styles 4x200x10.0x3.0cm = 0.028cum+ Rails Top rails 1x110.5x9.50x3.0cm = 0.003cum.+ Lock rails 1x110.5x15.0x3.0cm = 0.005cum+ Bottom rails 1x110.5x19.7x3.0cm = 0.007cum+ Beading 2x186.1x1.9x1.2cm = 0.001cum Total = 0.040 cum.+ Add for wastage @ 10% = 0.004cum Grand Total = 0.044 cum or = 44 cudm" Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00
2204	Carriage of Timber	cum	0.044	187.35	8.24
0156	LABOUR	day	1.83	749.00	1370.67
0114	Carpenter (average)	day	0.76	645.00	490.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say	L.S.	35.88	2.12	76.07 4805.18 W 48.05 4853.23 X 681.88 5535.11 Y 830.27 6365.38 Z 63.65 6429.03 2976.40 2976.40

- 9.6 Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B), fixing with butt hinges of required size with necessary screws, all complete as per directions of Engineer-in-charge and panelling with panels of : (Note:- Butt hinges and necessary screws shall be paid separately)**
- 9.6.1 12 mm thick plain grade -1, medium density flat pressed three layer particle board FPT - I or graded wood particle board FPT- I, IS : 3087 marked, bonded with BWP type synthetic resin adhesive as per IS : 848 :**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7137	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick plain type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS:848				
9977	Carriage of shutters Fittings :	sqm L.S.	2.38 29.64	1620.00 2.12	3855.60 62.84
0156	Carpenter (average)	day	0.52	749.00	389.48
0114	Beldar	day	0.60	645.00	387.00
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.38 sqm. Cost of 1 sqm. Say	L.S.	35.88	2.12	76.07 4770.98 W 47.71 4818.69 X 677.03 5495.72 Y 824.36 6320.08 Z 63.20 6383.28 2682.05 2682.05

9.6.2 12 mm thick pre-laminated particle board (decorative lamination on both sides) grade -1, medium density flat pressed, three layer particle board FPT- I or graded wood particle board FPT- I, conforming to IS : 3087, bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823, Grade 1, Type - II marked :

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7139	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick both sides prelaminated type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS:848-1974				
9977	Carriage of shutters Fittings : LABOUR Carpenter (average)	sqm L.S.	2.38 29.64	1720.00 2.12	4093.60 62.84
0156	Beldar	day	0.52	749.00	389.48
0114	Sundries	day	0.60	645.00	387.00
9999	TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.38 sqm. Cost of 1 sqm. Say	L.S.	35.88	2.12	76.07 5008.98 W 50.09 5059.07 X 710.80 5769.87 Y 865.48 6635.35 Z 66.35 6701.71 2815.84 2815.85

9.6.3 12 mm thick one side Pre-laminated particle board (decorative lamination on one side and other sides balancing lamination) grade -1, medium density flat pressed, three layer particle board FPT - I or graded wood particle board FPT-1 conforming to IS : 3087 bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823, Grade -1, Type II marked :

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7143	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick one side prelaminated type-I, and other side balancing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	lamination, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS:848-1974	sqm	2.38	1910.00	4545.80
	Carriage of shutters	L.S.	29.64	2.12	62.84
0156	Fittings :				
0114	LABOUR				
9999	Carpenter (average)	day	0.52	749.00	389.48
	Beldar	day	0.60	645.00	387.00
	Sundries	L.S.	35.88	2.12	76.07
	TOTAL				5461.18 W
	Add 1 % Water charges on "W"				54.61
	TOTAL				5515.79 X
	Add GST on "X" (multiplying factor 0.1405)				774.97
	TOTAL				6290.76 Y
	Add 15% CPOH on "Y"				943.61
	TOTAL				7234.38 Z
	Add Cess @ 1% on "Z"				72.34
	Cost of 2.38 sqm.				7306.72
	Cost of 1 sqm.				3070.05
	Say				3070.05
	Say				2815.85

9.7 Providing and fixing panelling or paneling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :

9.7.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66 sqm MATERIAL Panels 4x47.2x38.65x1.6cm = 0.0117cum+ Add for wastage @ 10% = 0.0012cum. = 0.0129 cum. Second class teak wood in planks				
2204	Carriage of Timber	10 cum	1.29	791.00	1020.39
0111	LABOUR Carpenter 1st class	day	0.0129	187.35	2.42
			0.57	784.00	446.88

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	L.S.	4.42	2.12	9.37 1479.06 W 14.79 1493.85 X 209.89 1703.73 Y 255.56 1959.29 Z 19.59 1978.89 2998.31 2998.30

9.7.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door 200x108cm = 2.16 sqm. Panel area 4x45.1x36.55cm=0.66sqm. MATERIAL Hollock wood panels 4x45.1x36.55cm = 0.0117 cum+ Add for wastage @ 10% = 0.0012cum. = 0.0129 cum = 12.90 cumd Hollock wood in planks				
2505	Cum	10 cumd	1.29	402.00	518.58
2204	Cum	0.0129	187.35		2.42
2504	Cum	0.0129	772.00		9.96
9999	L.S.	8.97	2.12		19.02
0111	Carpenter 1st class	day	0.57	784.00	446.88
9999	Sundries	L.S.	4.42	2.12	9.37
	TOTAL Add 1 % Water charges on "W"				1006.22 W
	TOTAL				10.06
	Add GST on "X" (multiplying factor 0.1405)				142.79
	TOTAL				1159.07 Y
	Add 15% CPOH on "Y"				173.86
	TOTAL				1332.93 Z
	Add Cess @ 1% on "Z"				13.33
	Cost of 0.66 sqm.				1346.26
	Cost of 1 sqm.				2039.79
	Say				2039.80

9.7.3 Ply wood 5 ply, 9 mm thick

9.7.3.1 Decorative plywood both side decorative veneer (Type - I) conforming to IS 1328 BWR type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Plywood (9mm thick) 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm.				
2480	Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	0.80	884.00	707.20
9977	Carriage of Plywood	L.S.	1.82	2.12	3.86
0111	LABOUR				
9999	Carpenter 1st class	day	0.57	784.00	446.88
	Sundries	L.S.	4.42	2.12	9.37
	TOTAL				1167.31 W
	Add 1 % Water charges on "W"				11.67
	TOTAL				1178.98 X
	Add GST on "X" (multiplying factor 0.1405)				165.65
	TOTAL				1344.63 Y
	Add 15% CPOH on "Y"				201.69
	TOTAL				1546.32 Z
	Add Cess @ 1% on "Z"				15.46
	Cost of 0.66 sqm.				1561.79
	Cost of 1 sqm.				2366.34
	Say				2366.35

9.7.3.2 Decorative plywood one side decorative veneer and commercial veneer on other face (Type 1) conforming to IS 1328 BWR Type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling. 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Plywood (9mm thick) 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm.				
2481	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	0.80	905.00	724.00
9977	Carriage of Plywood	L.S.	1.82	2.12	3.86
0111	LABOUR				
	Carpenter 1st class	day	0.57	784.00	446.88

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	L.S.	4.42	2.12	9.37 1184.11 W 11.84 1195.95 X 168.03 1363.98 Y 204.60 1568.58 Z 15.69 1584.26 2400.40 2400.40

9.7.4 Ply wood 7 ply, 9 mm thick

9.7.4.1 Decorative plywood one side decorative veneer and commercial veneer on other face (Type 1) conforming to IS 1328 BWR Type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2483	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Plywood (9mm thick) 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm. Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	0.80	1010.00	808.00
9977	Carriage of Plywood	L.S.	1.82	2.12	3.86
0111	LABOUR	day	0.57	784.00	446.88
9999	Carpenter 1st class Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	L.S.	4.42	2.12	9.37 1268.11 W 12.68 1280.79 X 179.95 1460.74 Y 219.11 1679.85 Z 16.80 1696.65 2570.68 2570.70

9.7.5 Particle Board 12 mm thick

9.7.5.1 Plain particle board flat pressed, 3 layer or graded wood particle board medium density Grade I, IS : 3087 marked

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Particle Board 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm.				
0341	Flat pressed three layer graded wood particle board (medium density) exterior grade Grade I, FPT-I, conforming and marked to IS: 3087 : 12 mm thick	sqm	0.80	288.00	230.40
9977	Carriage of Plywood	L.S.	1.82	2.12	3.86
0111	LABOUR	day	0.57	784.00	446.88
9999	Carpenter 1st class	L.S.	4.42	2.12	9.37
	Sundries				690.51 W
	TOTAL				6.91
	Add 1 % Water charges on "W"				697.41 X
	TOTAL				97.99
	Add GST on "X" (multiplying factor 0.1405)				795.40 Y
	TOTAL				119.31
	Add 15% CPOH on "Y"				914.71 Z
	TOTAL				9.15
	Add Cess @ 1% on "Z"				923.86
	Cost of 0.66 sqm.				1399.78
	Cost of 1 sqm.				1399.80
	Say				

9.7.5.2 Veneered flat pressed three layer or graded wood particle board with commercial veneering on both sides conforming to IS:3097, grade I

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Particle Board 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm.				
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	0.80	480.00	384.00
9977	Carriage of Plywood	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111 9999	LABOUR Carpenter 1st class Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	day L.S.	0.57 4.42	784.00 2.12	446.88 9.37 844.11 W 8.44 852.55 X 119.78 972.33 Y 145.85 1118.18 Z 11.18 1129.36 1711.16 1711.15

9.7.5.3 Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side, Grade I, Type II IS: 12823 marked

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7477	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Particle Board 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick				
9977	Carriage of Plywood	sqm L.S.	0.80 1.82	500.00 2.12	400.00 3.86
0111 9999	LABOUR Carpenter 1st class Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	day L.S.	0.57 4.42	784.00 2.12	446.88 9.37 860.11 W 8.60 868.71 X 122.05 990.76 Y 148.61 1139.38 Z 11.39 1150.77 1743.59 1743.60

9.7.5.4 Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS:12823 marked

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Particle Board 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm				
7480	Prelaminated particle board with both sides decorative lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	0.80	490.00	392.00
9977	Carriage of Plywood	L.S.	1.82	2.12	3.86
0111	LABOUR	day	0.57	784.00	446.88
9999	Carpenter 1st class	L.S.	4.42	2.12	9.37
	TOTAL				852.11 W
	Add 1 % Water charges on "W"				8.52
	TOTAL				860.63 X
	Add GST on "X" (multiplying factor 0.1405)				120.92
	TOTAL				981.55 Y
	Add 15% CPOH on "Y"				147.23
	TOTAL				1128.78 Z
	Add Cess @ 1% on "Z"				11.29
	Cost of 0.66 sqm.				1140.07
	Cost of 1 sqm.				1727.38
	Say				1727.40

9.7.6 Coir Veneer Board (conforming to IS 14842)

9.7.6.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm Panel area 4x45.1x36.55cm=0.66sqm MATERIAL Coir veneered board 12mm thick 4x47.2x38.65cm = 0.73sqm Add for wastage @ 10% = 0.07sqm Total = 0.80 sqm				
7555	Coir veneered board 12mm thick	sqm	0.80	625.00	500.00
9977	CARRIAGE	L.S.	1.82	2.12	3.86
0111	LABOUR	day	0.57	784.00	446.88

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	L.S.	4.42	2.12	9.37 960.11 W 9.60 969.71 X 136.24 1105.95 Y 165.89 1271.85 Z 12.72 1284.57 1946.31 1946.30

9.7.7 Float glass panes

9.7.7.1 4 mm thick glass pane (weight not less than 10kg/sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2406	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm Panel area 4x45.1x36.55cm=0.66sqm MATERIAL Float glass sheet of nominal thickness 4 mm 4x47.2x38.65cm = 0.73sqm Add for wastage @ 10% = 0.07sqm Total = 0.80 sqm Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	0.80	309.00	247.20
9977	CARRIAGE LABOUR	L.S.	1.82	2.12	3.86
0156	Carpenter (average)	day	0.57	749.00	426.93
0119	Glazier	day	0.15	714.00	107.10
0114	Beldar	day	0.15	645.00	96.75
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	L.S.	25.47	2.12 132.80 1077.99 Y 161.70 1239.69 Z 12.40 1252.09 1897.10 1897.10	54.00 935.83 W 9.36 945.19 X 1077.99 Y 161.70 1239.69 Z 12.40 1252.09 1897.10 1897.10

9.7.7.2 5.0 mm thick glass panes (weight not less than 12.50 kg/sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2407	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm Panel area 4x45.1x36.55cm=0.66 sqm MATERIAL Float glass sheet of nominal thickness 5.5 mm 4x47.2x38.65cm = 0.73sqm Add for wastage @ 10% = 0.07sqm Total = 0.80 sqm Float glass sheet of nominal thickness 5.0 mm.(weight not less than 12.50 kg/sqm).				
9977	CARRIAGE LABOUR				
0156	Carpenter (average)	sqm	0.80	515.00	412.00
0119	Glazier	L.S.	1.82	2.12	3.86
0114	Beldar				
9999	Sundries	day	0.57	749.00	426.93
	TOTAL				1100.63 W
	Add 1 % Water charges on "W"				11.01
	TOTAL				1111.64 X
	Add GST on "X" (multiplying factor 0.1405)				156.19
	TOTAL				1267.83 Y
	Add 15% CPOH on "Y"				190.17
	TOTAL				1458.00 Z
	Add Cess @ 1% on "Z"				14.58
	Cost of 0.66 sqm.				1472.58
	Cost of 1 sqm.				2231.18
	Say				2231.20

9.7.8 Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8737	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm Panel area 4x45.1x36.55cm=0.66sqm MATERIAL Stainless steel wire guage 4x47.2x38.65cm = 0.73sqm Add for wastage @ 10% = 0.07sqm Total = 0.80 sqm Stainless steel wire guage (Grade-304)				
9977	aperture 1.4mm and 0.50 mm dia wire CARRIAGE LABOUR	sqm	0.80	413.00	330.40
0112	Carpenter 2nd class	L.S.	1.82	2.12	3.86
		day	0.57	714.00	406.98

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	L.S.	4.42	2.12	9.37 750.61 W 7.51 758.11 X 106.52 864.63 Y 129.69 994.32 Z 9.94 1004.27 1521.62 1521.60

9.9 Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.

9.9.1 Second class teak wood

9.9.1.1 35 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost for shutter of a door (glazed) 2000x108cm = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles : 4x200x9.5x3.5cm = 0.027cum Rails Top & intermediate rails 2x110.5x9.5x3.5cm = 0.008cum Lock and bottom rails 2x110.5x19.7x3.5cm = 0.015cum Beadings- 2x186.1x1.9x1.2cm = 0.001cum 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.053 cum. Add for wastage @ 10% = 0.005cum. Grand Total = 0.058 cum = 58 cumd Second class teak wood in planks	10 cumd	5.80	791.00	4587.80
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	sqm	1.27	309.00	392.43
0595	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel screws 40 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
2204	Carriage of Timber	cum	0.058	187.35	10.87

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR				
0119	Carpenter (average)	day	1.83	749.00	1370.67
0114	Glazier	day	0.23	714.00	164.22
9999	Beldar	day	0.77	645.00	496.65
	Sundries	L.S.	40.43	2.12	85.71
	TOTAL				7197.75 W
	Add 1 % Water charges on "W"				71.98
	TOTAL				7269.73 X
	Add GST on "X" (multiplying factor 0.1405)				1021.40
	TOTAL				8291.12 Y
	Add 15% CPOH on "Y"				1243.67
	TOTAL				9534.79 Z
	Add Cess @ 1% on "Z"				95.35
	Cost of 2.16 sqm.				9630.14
	Cost of 1 sqm.				4458.40
	Say				4458.40

9.9.1.2 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost for shutter of a door (glazed) 2000x108cm = 2.16 sqm. MATERIAL Teak wood Styles : 4x200x9.5x3.0cm = 0.023cum+ Rails Top & intermediate rails 2x110.5x9.5x3.0cm = 0.006cum+ Lock and bottom rails 2x110.5x19.7x3.0cm = 0.013cum+ Beadings- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.045 cum.+ Add for wastage @ 10% = 0.005cum. Grand Total = 0.050 cum = 50 cudm				
2406	Second class teak wood in planks	10 cudm	5.00	791.00	3955.00
0595	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	309.00	392.43
0597	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0637	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0640	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
2204	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
0156	Carriage of Timber	cum	0.05	187.35	9.37
0119	LABOUR				
0114	Carpenter (average)	day	1.83	749.00	1370.67
	Glazier	day	0.23	714.00	164.22
	Beldar	day	0.77	645.00	496.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say	L.S.	40.43	2.12	85.71 6563.45 W 65.63 6629.08 X 931.39 7560.47 Y 1134.07 8694.54 Z 86.95 8781.49 4065.50 4065.50

9.9.2 Kiln seasoned and chemically treated hollock wood

9.9.2.1 35 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door (glazed) 200x108cm = 2.16 sqm. MATERIAL Hollock wood Styles : 4x200x9.5x3.5cm = 0.027cum+ Rails Top & intermediate rails 2x110.5x9.5x3.5cm = 0.008cum+ Lock and bottom rails 2x110.5x19.7x3.5cm = 0.015cum.+ Beadings- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.053 cum.+ Add for wastage @ 10% = 0.005cum. Grand Total = 0.058 cum or = 58 cudm				
2505	Hollock wood in planks	10 cudm	5.80	402.00	2331.60
2504	Kiln seasoning of timber	cum	0.058	772.00	44.78
9999	(iii) Chemical treatment	L.S.	9.10	2.12	19.29
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	309.00	392.43
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
2204	Carriage of Timber	cum	0.058	187.35	10.87
	LABOUR				
0156	Carpenter (average)	day	1.83	749.00	1370.67
0119	Glazier	day	0.23	714.00	164.22
0114	Beldar	day	0.77	645.00	496.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say	L.S.	40.43	2.12	85.71 5005.62 W 50.06 5055.67 X 710.32 5765.99 Y 864.90 6630.89 Z 66.31 6697.20 3100.56 3100.55

9.9.2.2 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutter of door (glazed) 2000x108cm = 2.16 sqm. MATERIAL Hollock wood Styles : 4x200x9.5x3.0cm = 0.023cum+ Rails Top & intermediate rails 2x110.5x19.7x3.0cm = 0.006cum+ Lock and bottom rails 2x110.5x19.7x3.0cm = 0.013cum+ Beadings- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.045 cum.+ Add for wastage @ 10% = 0.005cum. Grand Total = 0.050 = 50 cumdm				
2505	Hollock wood in planks	10 cumdm	5.00	402.00	2010.00
2504	Kiln seasoning of timber	cum	0.05	772.00	38.60
9999	Chemical treatment	L.S.	9.10	2.12	19.29
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	309.00	392.43
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
2204	Carriage of Timber	cum	0.05	187.35	9.37
	LABOUR				
0156	Carpenter (average)	day	1.83	749.00	1370.67
0119	Glazier	day	0.23	714.00	164.22
0114	Beldar	day	0.77	645.00	496.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say	L.S.	40.43	2.12	85.71 4676.34 W 46.76 4723.10 X 663.60 5386.70 Y 808.01 6194.71 Z 61.95 6256.65 2896.60 2896.60

9.9.3 Kiln seasoned selected planks of sheesham wood

9.9.3.1 35 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door (glazed) 200x108cm = 2.16 sqm. MATERIAL Sheesham wood Styles : 4x200x9.5x3.5cm = 0.027cum+ Rails Top & intermediate rails 2x110.5x9.5x3.5cm = 0.008cum+ Lock and bottom rails 2x110.5x19.7x3.5cm = 0.015cum.+ Beading- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.053 cum.+ Add for wastage @ 10% = 0.005cum. Grand Total = 0.058 cum or = 58 cudm Kiln seasoned selected sheesum wood planks				
1200		10 cu dm	5.80	650.00	3770.00
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	309.00	392.43
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
2204	Carriage of Timber LABOUR	cum	0.058	187.35	10.87
0156	Carpenter (average)	day	1.83	749.00	1370.67
0119	Glazier	day	0.23	714.00	164.22
0114	Beldar	day	0.77	645.00	496.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say	L.S.	40.43	2.12	85.71 6379.95 W 63.80 6443.75 X 905.35 7349.09 Y 1102.36 8451.46 Z 84.51 8535.97 3951.84 3951.85

9.9.3.2 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutter of door (glazed) 2000x108cm = 2.16 sqm. MATERIAL Sheesham wood Styles : 4x200x9.5x3.0cm = 0.023cum+ Rails Top & intermediate rails 2x110.5x19.7x3.0cm = 0.006cum+ Lock and bottom rails 2x110.5x19.7x3.0cm = 0.013cum+ Beadings- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.045 cum.+ Add for wastage @ 10% = 0.005cum. Grand Total = 0.050 = 50 cumd Kiln seasoned selected sheesum wood planks				
1200		10 cumd	5.00	650.00	3250.00
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	309.00	392.43
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
2204	Carriage of Timber	cum	0.05	187.35	9.37
0156	LABOUR Carpenter (average)	day	1.83	749.00	1370.67
0119	Glazier	day	0.23	714.00	164.22
0114	Beldar	day	0.77	645.00	496.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say	L.S.	40.43	2.12	85.71 5858.45 W 58.58 5917.03 X 831.34 6748.38 Y 1012.26 7760.63 Z 77.61 7838.24 3628.81 3628.80

9.10 Providing and fixing factory made laminated veneer lumber glazed shutter conforming to IS: 14616 and TADS 15:2001 (Part B), using 4 mm thick float glass panes for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, all as per directions of Engineer-in-charge (Note:- Butt hinges and necessary screws shall be paid separately)

9.10.1 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7151	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL Factory made 30 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of sheet glass using 10 kg/ sqm glass panes	sqm	2.38	1620.00	3855.60
9977	Carriage of shutters	L.S.	29.64	2.12	62.84
0156	LABOUR Carpenter (average)	day	0.52	749.00	389.48
0114	Beldar	day	0.60	645.00	387.00
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.38 sqm. Cost of 1 sqm. Say	L.S.	35.88	2.12 677.03 5495.72 Y 824.36 6320.08 Z 63.20 6383.28 2682.05 2682.05	76.07 4770.98 W 47.71 4818.69 X 677.03 5495.72 Y 824.36 6320.08 Z 63.20 6383.28 2682.05 2682.05

- 9.11 Extra for providing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured)**
- 9.11.1 5.0 mm thick (weights not less than 12.50 kg per sqm) instead of 4 mm thick (weight not less than 10 kg per sqm)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2407	Details of cost for one sqm. MATERIAL Float glass sheet of nominal thickness 5.0 mm.(weight not less than 12.50 kg/sqm).	sqm	1.00	515.00	515.00
2406	Deduct Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	sqm	-1.00	309.00	-309.00 206.00 W 2.06 208.06 X 29.23 237.29 Y 35.59 272.89 Z 2.73 275.62 275.60

- 9.12 Extra for providing frosted glass panes 4 mm thick (weight not less than 10 kg per sqm) instead of ordinary float glass panes 4 mm thick (weight not less than 10 kg per sqm) in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7032	Cost for 1 sqm. MATERIAL Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	1.00	420.00	420.00
2406	Deduct Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	sqm	-1.00	309.00	-309.00 111.00 W 1.11 112.11 X 15.75 127.86 Y 19.18 147.04 Z 1.47 148.51 148.50

9.13 Deduct for providing pin headed glass panes instead of ordinary float glass panes weighing 4 mm thick (weight not less than 10 kg per sqm) in doors, windows and clerestory windows shutters (Area of opening for glass panes excluding portion inside rebate shall be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2406	Cost for 1 sqm. MATERIAL Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). Deduct	sqm	-1.00	309.00	-309.00
7451	Glass sheet (Pin headed) 4 mm thick TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	sqm	1.00	345.00 36.00 W 0.36 36.36 X 5.11 41.47 Y 6.22 47.69 Z 0.48 48.17 48.15	345.00 36.00 W 0.36 36.36 X 5.11 41.47 Y 6.22 47.69 Z 0.48 48.17 48.15

9.14 Extra for providing ISI marked Stainless Steel butt hinges instead of M.S. pressed butt hinges bright finished of required size with necessary screws. (Shutter area to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Details of cost for one door shutter of a door 200x108cm = 2.16 sqm. MATERIAL Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked				
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8211	Stainless steel screws 40 mm	10 Nos	0.20	150.00	30.00
8214	Stainless steel screws 20 mm	100 Nos	0.48	250.00	120.00
	Deduct	100 Nos	0.08	150.00	12.00
0595	Bright finished or black enamelled ISI marked IS : 1341 mild steel pressed butt hinges 100x58x1.90 mm	10 Nos	-0.60	80.00	-48.00
0597	Bright finished or black enamelled ISI marked IS : 1341 mild steel pressed butt hinges 50x37x1.50 mm Black enameled Iron	10 Nos	-0.20	49.00	-9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	-0.48	60.00	-28.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0640	Bright finished or black enamelled mild steel screws 20 mm TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16sqm. Cost on 1 sqm. Say	100 Nos	-0.08	35.00	-2.80 237.60 W 2.38 239.98 X 33.72 273.69 Y 41.05 314.75 Z 3.15 317.89 147.17 147.15

9.15 Deduct for not providing hinges in doors, windows or clerestory window shutters with :

9.15.1 ISI marked Stainless steel butt hinges with stainless steel screws :

9.15.1.1 For 2nd class teak wood and other class of wood shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Details of cost of fittings for shutter of size 200x108cm = 2.16 sqm. MATERIAL Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked				
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say	100 Nos	0.08	150.00	12.00 327.00 W 3.27 330.27 X 46.40 376.67 Y 56.50 433.17 Z 4.33 437.51 202.55 202.55

9.15.2 ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws..

9.15.2.1 For 2nd class teak wood and other class of wood shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of hinges with screws for shutters of size 200x108cm = 2.16 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	MATERIAL Bright finished or black enamelled ISI marked IS : 1341 mild steel pressed butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled ISI marked IS : 1341 mild steel pressed butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
	TOTAL				89.40 W
	Add 1 % Water charges on "W"				0.89
	TOTAL				90.29 X
	Add GST on "X" (multiplying factor 0.1405)				12.69
	TOTAL				102.98 Y
	Add 15% CPOH on "Y"				15.45
	TOTAL				118.43 Z
	Add Cess @ 1% on "Z"				1.18
	Cost of 2.16 sqm.				119.61
	Cost of 1 sqm.				55.38
	Say				55.40

9.16 Providing and fixing 25 mm thick shutters for cup board etc. :

9.16.1 Panelled or panelled & glazed shutters :

9.16.1.1 Second class teak wood including ISI marked anodised aluminium butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190 2204	Details of cost for shutters of a cupboard (half glazed and half panelled) 200x108cm = 2.16 sqm. MATERIAL Styles- 4x200x8.0x2.5cm = 0.016 cum+ Rails- Top rail- 1x110.5x8.0x2.5cm = 0.0022cum+ Lock and bottom rail- 2x110.5x8.0x2.5cm = 0.0044 cum. Panels- 2x48x41x1.6cm = 0.006cum+ Sash bars- 2x114x3.8x2.5cm = 0.003cum+ 6x48x3.8x2.5cm = 0.003 cum+ Beading- 16x92x1.4x1.2cm = 0.002cum Total = 0.0366 Add for wastage @ 10% = 0.0037 cum. Grand Total = 0.0403 cum or 40 cumd Second class teak wood in planks Carriage of Timber	10 cumd cum	4.00 0.04	791.00 187.35	3164.00 7.49

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). Fittings-	sqm	0.99	309.00	305.91
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	0.60	196.00	117.60
0586	Chromium plated Brass screws 40 mm	100 Nos	0.48	290.00	139.20
0111	LABOUR Carpenter 1st class	day	2.40	784.00	1881.60
0119	Glazier	day	0.18	714.00	128.52
0114	Beldar	day	0.77	645.00	496.65
9999	Sundries	L.S.	40.43	2.12	85.71
	TOTAL				6326.69 W
	Add 1 % Water charges on "W"				63.27
	TOTAL				6389.95 X
	Add GST on "X" (multiplying factor 0.1405)				897.79
	TOTAL				7287.74 Y
	Add 15% CPOH on "Y"				1093.16
	TOTAL				8380.90 Z
	Add Cess @ 1% on "Z"				83.81
	Cost of 2.16 sqm.				8464.71
	Cost of 1 sqm.				3918.85
	Say				3918.85

9.16.1.2 Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost for shutters of a cupboard (half glazed and half panelled) 200x108cm = 2.16 sqm. MATERIAL Styles- $4 \times 200 \times 8.0 \times 2.5 \text{cm} = 0.016 \text{ cum}$ + Rails- Top rail- $1 \times 110.5 \times 8.0 \times 2.5 \text{cm} = 0.0022 \text{cum}$ + Lock and bottom rail- $2 \times 110.5 \times 8.0 \times 2.5 \text{cm} = 0.0044 \text{ cum}$. Panels- $2 \times 48 \times 41 \times 1.6 \text{cm} = 0.006 \text{cum}$ + Sash bars- $2 \times 114 \times 3.8 \times 2.5 \text{cm} = 0.003 \text{cum}$ + $6 \times 48 \times 3.8 \times 2.5 \text{cm} = 0.003 \text{cum}$ + Beading- $16 \times 92 \times 1.4 \times 1.2 \text{cm} = 0.002 \text{cum}$ Total = 0.0366 Add for wastage @ 10% = 0.0037 cum. Grand Total = 0.0403 cum or 40 cumd Second class teak wood in planks	10 cumd	4.00	791.00	3164.00
2204	Carriage of Timber	cum	0.04	187.35	7.49
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	0.99	309.00	305.91

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0608	Fittings- Nickel plated mild steel piano hinges 1 mm thick 25 mm wide	metre	4.00	39.00	156.00
0586	Chromium plated Brass screws 40 mm	100 Nos	1.14	290.00	330.60
	LABOUR				
0111	Carpenter 1st class	day	2.40	784.00	1881.60
0119	Glazier	day	0.18	714.00	128.52
0114	Beldar	day	0.77	645.00	496.65
9999	Sundries	L.S.	40.43	2.12	85.71
	TOTAL				6556.49 W
	Add 1 % Water charges on "W"				65.56
	TOTAL				6622.05 X
	Add GST on "X" (multiplying factor 0.1405)				930.40
	TOTAL				7552.45 Y
	Add 15% CPOH on "Y"				1132.87
	TOTAL				8685.32 Z
	Add Cess @ 1% on "Z"				86.85
	Cost of 2.16 sqm.				8772.17
	Cost of 1 sqm.				4061.19
	Say				4061.20

9.16.2 Glazed shutters :

9.16.2.1 Second class teak wood including ISI marked anodized aluminium butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutter of cup-board 2000x108cm = 2.16 sqm. MATERIAL (i) Teak wood second class Styles : 4x200x9.5x2.5 cm = 0.019 cum Rails Top & intermediate rails 2x110.5x9.5x2.5 cm = 0.006 cum Lock and bottom rails 2x110.5x19.7x2.5 cm = 0.011 cum Beadings- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.039 cum. Add for wastage @ 10% = 0.004 cum. Grand Total = 0.043 cum. 43 cu dm				
1190	Second class teak wood in planks	10 cu dm	4.30	791.00	3401.30
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	309.00	392.43
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	0.60	196.00	117.60
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.48	40.00	19.20
2204	Carriage of Timber	cum	0.043	187.35	8.06
0156	LABOUR Carpenter (average)	day	1.83	749.00	1370.67

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0119	Glazier	day	0.23	714.00	164.22
0114	Beldar	day	0.77	645.00	496.65
9999	Sundries	L.S.	40.43	2.12	85.71
	TOTAL				6055.84 W
	Add 1 % Water charges on "W"				60.56
	TOTAL				6116.40 X
	Add GST on "X" (multiplying factor 0.1405)				859.35
	TOTAL				6975.75 Y
	Add 15% CPOH on "Y"				1046.36
	TOTAL				8022.11 Z
	Add Cess @ 1% on "Z"				80.22
	Cost of 2.16 sqm.				8102.33
	Cost of 1 sqm.				3751.08
	Say				3751.10

9.16.2.2 Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutter of cup-board 2000x108cm = 2.16 sqm. MATERIAL (i) Teak wood second class Styles : 4x200x9.5x2.5 cm = 0.019 cum Rails Top & intermediate rails 2x110.5x9.5x2.5 cm = 0.006 cum Lock and bottom rails 2x110.5x19.7x2.5 cm = 0.011 cum Beadings- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.039 cum. Add for wastage @ 10% = 0.004 cum. Grand Total = 0.0403 cum or 43 cudm Second class teak wood in planks Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). Nickel plated mild steel piano hinges 1 mm thick 25 mm wide				
1190	2406	10 cudm	4.30	791.00	3401.30
0608		sqm	1.27	309.00	392.43
0639		metre	4.00	39.00	156.00
2204		100 Nos	1.14	40.00	45.60
		cum	0.043	187.35	8.06
0156	Carpenter (average)	day	1.83	749.00	1370.67
0119	Glazier	day	0.23	714.00	164.22
0114	Beldar	day	0.77	645.00	496.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say	L.S.	40.43	2.12	85.71 6120.64 W 61.21 6181.84 X 868.55 7050.39 Y 1057.56 8107.95 Z 81.08 8189.03 3791.22 3791.20

9.17 Providing and fixing flat pressed three layer particle or graded plain wood board medium density exterior grade (Grade I) FPT-1, conforming and marked to IS : 3087 to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately):

9.17.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0341	Details of cost for 350x200cm = 7sqm. MATERIAL 12mm thick particle board = 7.00sqm.+ Add wastage @ 5% = 0.35 sqm. Total = 7.35 sqm Flat pressed three layer or graded particle board (medium density) exterior grade (Grade I) FPT-I :12 mm thick	sqm	7.35	288.00	2116.80
9977	Carriage of particle board	L.S.	13.52	2.12	28.66
9999	Sundries and screws	L.S.	26.91	2.12	57.05
0112	LABOUR Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.00	645.00	645.00
	TOTAL Add 1 % Water charges on "W"				3490.11 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				34.90
	TOTAL Add 15% CPOH on "Y"				3525.01 X
	TOTAL Add Cess @ 1% on "Z"				495.26
	Cost of 7 sqm.				4020.28 Y
	Cost of 1 sqm.				603.04
	Say				4623.32 Z
					46.23
					4669.55
					667.08
					667.10

9.17.2 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7055	Details of cost for 350x200cm = 7sqm. MATERIAL 18 mm thick particle board = 7.00sqm.+ Add wastage @ 5% = 0.35 sqm. Total = 7.35 sqm Flat pressed three layer or graded plain particle board (medium density) Grade 1 ISI marked and conforming to IS : 3087 - 18 mm thick	sqm	7.35	430.00	3160.50
9977	Carriage of particle board	L.S.	19.76	2.12	41.89
9999	Sundries and screws	L.S.	26.91	2.12	57.05
0112	LABOUR Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.00	645.00	645.00
	TOTAL Add 1 % Water charges on "W"				4547.04 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				645.25
	TOTAL Add 15% CPOH on "Y"				5237.76 Y
	TOTAL Add Cess @ 1% on "Z"				785.66
	Cost of 7 sqm.				6023.42 Z
	Cost of 1 sqm.				60.23
	Say				6083.66
					869.09
					869.10

9.18 Providing and fixing Pre-laminated flat pressed three layer or graded wood particle board (medium density) particle board or graded wood particle board IS : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade conforming and marked to IS : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately).

9.18.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7478	Details of cost for 4 nos. 75x20cm shelves = 0.60 sqm. MATERIAL 18mm thick particle board 4x75x20cm = 0.60sqm. Add wastage @ 5% = 0.03sqm. Total = 0.63 sqm Prelaminated flat pressed three layer or graded wood particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming and marked to IS : 12823 (exterior grade) 18 mm thick	sqm	0.63	560.00	352.80
9977	Carriage of board	L.S.	0.91	2.12	1.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.11	714.00	78.54
9999	Beldar	day	0.06	645.00	38.70
	Sundries, Painting edges & Screws	L.S.	7.80	2.12	16.54
	TOTAL				488.51 W
	Add 1 % Water charges on "W"				4.89
	TOTAL				493.39 X
	Add GST on "X" (multiplying factor 0.1405)				69.32
	TOTAL				562.71 Y
	Add 15% CPOH on "Y"				84.41
	TOTAL				647.12 Z
	Add Cess @ 1% on "Z"				6.47
	Cost of 0.60 sqm.				653.59
	Cost per sqm.				1089.32
	Say				1089.30

9.18.2 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7479	Details of cost for 4 nos. 75x20cm shelves = 0.60 sqm. MATERIAL 25mm thick particle board 4x75x20cm = 0.60sqm. Add wastage @ 5% = 0.03sqm. Total = 0.63 sqm Prelaminated flat pressed three layer or graded wood particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming and marked to IS : 12823 (exterior grade) 25 mm thick				
9977	Carriage of board	sqm	0.63	850.00	535.50
	LABOUR	L.S.	1.82	2.12	3.86
0112	Carpenter 2nd class	day	0.11	714.00	78.54
0114	Beldar	day	0.06	645.00	38.70
9999	Sundries, Painting edges & Screws	L.S.	7.80	2.12	16.54
	TOTAL				673.13 W
	Add 1 % Water charges on "W"				6.73
	TOTAL				679.87 X
	Add GST on "X" (multiplying factor 0.1405)				95.52
	TOTAL				775.39 Y
	Add 15% CPOH on "Y"				116.31
	TOTAL				891.69 Z
	Add Cess @ 1% on "Z"				8.92
	Cost of 0.60 sqm.				900.61
	Cost per sqm.				1501.02
	Say				1501.00

- 9.20 Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak three ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.**
- 9.20.1 35 mm thick Fixing with hinges of required size and necessary screws**
(Note: Hinges and necessary screws shall be paid separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0713	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with teak wood ply on both faces 35 mm thick	sqm	2.20	1800.00	3960.00
9977	Carriage of door	L.S.	29.64	2.12	62.84
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
	LABOUR				
	For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	749.00	411.95
0114	Beldar	day	0.55	645.00	354.75
	TOTAL				5074.54 W
	Add 1 % Water charges on "W"				50.75
	TOTAL				5125.28 X
	Add GST on "X" (multiplying factor 0.1405)				720.10
	TOTAL				5845.38 Y
	Add 15% CPOH on "Y"				876.81
	TOTAL				6722.19 Z
	Add Cess @ 1% on "Z"				67.22
	Cost for 2.2 sqm.				6789.41
	Cost of 1 sqm.				3086.10
	Say				3086.10

- 9.20.2 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0714	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with teak wood ply on both faces 30 mm thick	sqm	2.20	1600.00	3520.00
9977	Carriage of door	L.S.	29.64	2.12	62.84
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
0156	LABOUR	day	0.55	749.00	411.95
	For fixing shutter and fittings				
	Carpenter (average)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 2.2 sqm. Cost of 1 sqm. Say	day	0.55	645.00	354.75 4634.54 W 46.35 4680.88 X 657.66 5338.55 Y 800.78 6139.33 Z 61.39 6200.72 2818.51 2818.50

9.20.3 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0715	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with teak wood ply on both faces 25 mm thick	sqm	2.20	1400.00	3080.00
9977	Carriage of door Fittings-For a door 2.2x1.0m = 2.20 sqm.	L.S.	29.64	2.12	62.84
0608	Nickel plated mild steel piano hinges 1 mm thick 25 mm wide	metre	4.40	39.00	171.60
0639	Bright finished or black enamelled mild steel screws 25 mm LABOUR For fixing shutter and fittings	100 Nos	1.25	40.00	50.00
0156	Carpenter (average)	day	0.55	749.00	411.95
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 2.2 sqm. Cost of 1 sqm. Say	day	0.55	645.00	354.75 4131.14 W 41.31 4172.45 X 586.23 4758.68 Y 713.80 5472.48 Z 54.72 5527.20 2512.37 2512.35

- 9.21 Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:**
- 9.21.1 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0717	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with commercial ply on both faces 35 mm thick	sqm	2.20	1000.00	2200.00
9977	Carriage of door Fittings-For a door 2.2x1.0m = 2.20 sqm.	L.S.	29.64	2.12	62.84
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8211	Stainless steel screws 40 mm LABOUR For fixing shutter and fittings	100 Nos	0.48	250.00	120.00
0156	Carpenter (average)	day	0.55	749.00	411.95
0114	Beldar TOTAL Add 1 % Water charges on "W"	day	0.55	645.00	354.75
	TOTAL Add GST on "X" (multiplying factor 0.1405)				3314.54 W
	TOTAL Add 15% CPOH on "Y"				33.15 Y
	TOTAL Add Cess @ 1% on "Z"				3347.68 X
	Cost for 2.2 sqm.				470.35
	Cost of 1 sqm.				3818.03
	Say				572.70
					4390.74 Z
					43.91
					4434.64
					2015.75
					2015.75

- 9.21.2 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0718	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with commercial ply on both faces 30 mm thick	sqm	2.20	900.00	1980.00
9977	Carriage of door Fittings-For a door 2.2x1.0m = 2.20 sqm.	L.S.	29.64	2.12	62.84
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8211	Stainless steel screws 40 mm LABOUR For fixing shutter and fittings	100 Nos	0.48	250.00	120.00
0156	Carpenter (average)	day	0.55	749.00	411.95

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 2.2 sqm. Cost of 1 sqm. Say	day	0.55	645.00	354.75 3094.54 W 30.95 3125.48 X 439.13 3564.61 Y 534.69 4099.30 Z 40.99 4140.30 1881.95 1881.95

9.21.3 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0719	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with commercial ply on both faces 25 mm thick	sqm	2.20	890.00	1958.00
9977	Carriage of door Fittings-For a door 2.2x1.0m = 2.20 sqm.	L.S.	29.64	2.12	62.84
0608	Nickel plated mild steel piano hinges 1 mm thick 25 mm wide	metre	4.40	39.00	171.60
0639	Bright finished or black enamelled mild steel screws 25 mm LABOUR For fixing shutter and fittings	100 Nos	1.25	40.00	50.00
0156	Carpenter (average)	day	0.55	749.00	411.95
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 2.2 sqm. Cost of 1 sqm. Say	day	0.55	645.00	354.75 3009.14 W 30.09 3039.23 X 427.01 3466.24 Y 519.94 3986.18 Z 39.86 4026.04 1830.02 1830.00

- 9.22 Extra for Providing and fixing flush doors with decorative veneering instead of non decorative ISI marked flush door shutters conforming to IS: 2202 (Part I)**
- 9.22.1 On one side only**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7307	Details of cost for 1sqm. For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm. Say	sqm	1.00	305.00 305.00 W 3.05 308.05 X 43.28 351.33 Y 52.70 404.03 Z 4.04 408.07 408.05	

- 9.23 Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0752	Details of cost for 1 sqm. of door area Block board construction flush door lipping TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	sqm of door area	1.00	300.00 300.00 W 3.00 303.00 X 42.57 345.57 Y 51.84 397.41 Z 3.97 401.38 401.40	

- 9.24 Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured):**
- 9.24.1 Rectangular or square**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0753	Details of cost for 1 sqm. of door area Square vision panel (upto 0.10 sqm) in Block board construction flush door TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm. Say	sqm of door area	1.00	130.00	130.00 130.00 W 1.30 131.30 X 18.45 149.75 Y 22.46 172.21 Z 1.72 173.93 173.95

9.24.2 Circular

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0754	Details of cost for 1 sqm. of door area Circular vision panel (upto 0.10 sqm) in Block board construction flush door TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm. Say	sqm of door area	1.00	135.00	135.00 135.00 W 1.35 136.35 X 19.16 155.51 Y 23.33 178.83 Z 1.79 180.62 180.60

- 9.25 Extra if louvers (not exceeding 0.2 sqm) are provided in flush door shutters (overall area of door shutters to be measured).**

9.25.1 Decorative type door

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0755	Details of cost for 1 sqm. of door area Decorative type Louvers (upto 0.20 sqm)in Block board construction flush door TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm. Say	sqm of door area	1.00	265.00	265.00 265.00 W 2.65 267.65 X 37.60 305.25 Y 45.79 351.04 Z 3.51 354.55 354.55

9.26 Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0757	Details of cost for 1 sqm. of door area Rebate cutting in Block board construction flush door TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm. Say	sqm of door area	1.00	70.00	70.00 70.00 W 0.70 70.70 X 9.93 80.63 Y 12.10 92.73 Z 0.93 93.66 93.65

9.27 Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :

9.27.1 35 mm thick shutters

9.27.1.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.27.1.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm. Second class teak wood in planks Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm	5.14	791.00	4065.74
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
2204	Carriage of Timber	cum	0.0514	187.35	9.63
	LABOUR				
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				7010.30 W
	Add 1 % Water charges on "W"				70.10
	TOTAL				7080.40 X
	Add GST on "X" (multiplying factor 0.1405)				994.80
	TOTAL				8075.19 Y
	Add 15% CPOH on "Y"				1211.28
	TOTAL				9286.47 Z
	Add Cess @ 1% on "Z"				92.86
	Cost of 2.16 sqm.				9379.34
	Cost of 1 sqm.				4342.29
	Say				4342.30

9.27.1.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
2505	Hollock wood in planks	10 cu dm	5.14	402.00	2066.28
2204	Carriage of Timber	cum	0.0514	187.35	9.63
2504	Kiln seasoning of timber	cum	0.0514	772.00	39.68
9999	Chemical treatment	L.S.	8.97	2.12	19.02
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm LABOUR	100 Nos	0.08	35.00	2.80
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				5069.53 W
	Add 1 % Water charges on "W"				50.70
	TOTAL				5120.23 X
	Add GST on "X" (multiplying factor 0.1405)				719.39
	TOTAL				5839.62 Y
	Add 15% CPOH on "Y"				875.94
	TOTAL				6715.56 Z
	Add Cess @ 1% on "Z"				67.16
	Cost of 2.16 sqm.				6782.72
	Cost of 1 sqm.				3140.15
	Say				3140.15

9.27.1.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1200	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Sheesham wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cdm.				
2204	Kiln seasoned selected sheesum wood planks Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cdm cum	5.14 0.0514	650.00 187.35	3341.00 9.63
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	1.41	250.00	352.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
	LABOUR				
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				6285.56 W
	Add 1 % Water charges on "W"				62.86
	TOTAL				6348.41 X
	Add GST on "X" (multiplying factor 0.1405)				891.95
	TOTAL				7240.36 Y
	Add 15% CPOH on "Y"				1086.05
	TOTAL				8326.42 Z
	Add Cess @ 1% on "Z"				83.26
	Cost of 2.16 sqm.				8409.68
	Cost of 1 sqm.				3893.37
	Say				3893.35

9.27.1.2 With ISI marked stainless steel butt hinges of required size

9.27.1.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	<p>Details of cost for door shutters 2.00x1.08m = 2.16 sqm.</p> <p>MATERIAL</p> <p>Second class Teak wood</p> <p>Styles 4x200x9.5x3.5cm = 0.0266cum+</p> <p>Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+</p> <p>Lock and bottom rail</p> <p>2x110.5x19.7x3.5cm = 0.0152 cum.+</p> <p>Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum.</p> <p>Total = 0.0464 cum.+</p> <p>Add for wastage @ 10% = 0.005 cum.</p> <p>Total = 0.0514 cum.</p> <p>Say 51.4 cudm.</p> <p>Second class teak wood in planks</p> <p>Wire gauge 2x160x40cm = 1.28 sqm.+</p> <p>Add wastage @ 10% = 0.13 sqm.</p> <p>Total = 1.41 sqm.</p>	10 cudm	5.14	791.00	4065.74
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked		10 Nos	0.60	275.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked		10 Nos	0.20	150.00
8211	Stainless steel screws 40 mm		100 Nos	0.48	250.00
8214	Stainless steel screws 20 mm		100 Nos	0.08	150.00
2204	Carriage of Timber LABOUR	cum	0.0514	187.35	9.63
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				7247.90 W
	Add 1 % Water charges on "W"				72.48
	TOTAL				7320.37 X
	Add GST on "X" (multiplying factor 0.1405)				1028.51
	TOTAL				8348.89 Y
	Add 15% CPOH on "Y"				1252.33
	TOTAL				9601.22 Z
	Add Cess @ 1% on "Z"				96.01
	Cost of 2.16 sqm.				9697.23
	Cost of 1 sqm.				4489.46
	Say				4489.45

9.27.1.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
2505	Hollock wood in planks	10 cu dm	5.14	402.00	2066.28
2504	Kiln seasoning of timber	cum	0.0514	772.00	39.68
9999	Chemical treatment	L.S.	8.97	2.12	19.02
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm	100 Nos	0.08	150.00	12.00
2204	Carriage of Timber	cum	0.0514	187.35	9.63
	LABOUR				
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				5307.13 W
	Add 1 % Water charges on "W"				53.07
	TOTAL				5360.20 X
	Add GST on "X" (multiplying factor 0.1405)				753.11
	TOTAL				6113.31 Y
	Add 15% CPOH on "Y"				917.00
	TOTAL				7030.31 Z
	Add Cess @ 1% on "Z"				70.30
	Cost of 2.16 sqm.				7100.61
	Cost of 1 sqm.				3287.32
	Say				3287.30

9.27.1.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1200	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Sheesham wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cu dm. Kiln seasoned selected sheesum wood planks Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cu dm	5.14	650.00	3341.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm	100 Nos	0.08	150.00	12.00
2204	Carriage of Timber LABOUR	cum	0.0514	187.35	9.63
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				6523.16 W
	Add 1 % Water charges on "W"				65.23
	TOTAL				6588.39 X
	Add GST on "X" (multiplying factor 0.1405)				925.67
	TOTAL				7514.06 Y
	Add 15% CPOH on "Y"				1127.11
	TOTAL				8641.16 Z
	Add Cess @ 1% on "Z"				86.41
	Cost of 2.16 sqm.				8727.58
	Cost of 1 sqm.				4040.54
	Say				4040.55

9.27.2 30 mm thick shutters

9.27.2.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.27.2.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm. Second class teak wood in planks	10 cu dm	4.40	791.00	3480.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.044	187.35	8.24
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
	LABOUR				
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				6237.60 W
	Add 1 % Water charges on "W"				62.38
	TOTAL				6299.98 X
	Add GST on "X" (multiplying factor 0.1405)				885.15
	TOTAL				7185.12 Y
	Add 15% CPOH on "Y"				1077.77
	TOTAL				8262.89 Z
	Add Cess @ 1% on "Z"				82.63
	Cost of 2.16 sqm.				8345.52
	Cost of 1 sqm.				3863.67
	Say				3863.65

9.27.2.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm. Hollock wood in planks Carriage of Timber				
2505					
2204		10 cu dm	4.40	402.00	1768.80
		cum	0.044	187.35	8.24

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2504 9999	Kiln seasoning of timber Chemical treatment Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum L.S.	0.044 7.68	772.00 2.12	33.97 16.28
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
	LABOUR				
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				4576.25 W
	Add 1 % Water charges on "W"				45.76
	TOTAL				4622.01 X
	Add GST on "X" (multiplying factor 0.1405)				649.39
	TOTAL				5271.40 Y
	Add 15% CPOH on "Y"				790.71
	TOTAL				6062.11 Z
	Add Cess @ 1% on "Z"				60.62
	Cost of 2.16 sqm.				6122.74
	Cost of 1 sqm.				2834.60
	Say				2834.60

9.27.2.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1200	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Sheesham wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm. Kiln seasoned selected sheesum wood planks	10 cu dm	4.40	650.00	2860.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.044	187.35	8.24
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
	LABOUR				
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				5617.20 W
	Add 1 % Water charges on "W"				56.17
	TOTAL				5673.37 X
	Add GST on "X" (multiplying factor 0.1405)				797.11
	TOTAL				6470.48 Y
	Add 15% CPOH on "Y"				970.57
	TOTAL				7441.05 Z
	Add Cess @ 1% on "Z"				74.41
	Cost of 2.16 sqm.				7515.46
	Cost of 1 sqm.				3479.38
	Say				3479.40

9.27.2.2 With ISI marked stainless steel butt hinges of required size

9.27.2.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm. Second class teak wood in planks	10 cu dm	4.40	791.00	3480.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.044	187.35	8.24
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm LABOUR	100 Nos	0.08	150.00	12.00
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm. Cost of 1 sqm. Say	L.S.	33.80	2.12	71.66 6475.20 W 64.75 6539.95 X 918.86 7458.81 Y 1118.82 8577.64 Z 85.78 8663.41 4010.84 4010.85

9.27.2.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
2505	Hollock wood in planks	10 cu dm	4.40	402.00	1768.80
2504	Kiln seasoning of timber	cum	0.044	772.00	33.97

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Chemical treatment	L.S.	7.68	2.12	16.28
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.044	187.35	8.24
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm	100 Nos	0.08	150.00	12.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				4813.85 W
	Add 1 % Water charges on "W"				48.14
	TOTAL				4861.99 X
	Add GST on "X" (multiplying factor 0.1405)				683.11
	TOTAL				5545.10 Y
	Add 15% CPOH on "Y"				831.76
	TOTAL				6376.86 Z
	Add Cess @ 1% on "Z"				63.77
	Cost of 2.16 sqm.				6440.63
	Cost of 1 sqm.				2981.77
	Say				2981.75

9.27.2.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1200	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Sheesham wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm. Kiln seasoned selected sheesum wood planks	10 cu dm	4.40	650.00	2860.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.044	187.35	8.24
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm	100 Nos	0.08	150.00	12.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				5854.80 W
	Add 1 % Water charges on "W"				58.55
	TOTAL				5913.35 X
	Add GST on "X" (multiplying factor 0.1405)				830.83
	TOTAL				6744.17 Y
	Add 15% CPOH on "Y"				1011.63
	TOTAL				7755.80 Z
	Add Cess @ 1% on "Z"				77.56
	Cost of 2.16 sqm.				7833.36
	Cost of 1 sqm.				3626.55
	Say				3626.55

9.31 Providing and fixing wire gauge laminated veneer lumber shutters conforming to IS : 14616, and as per TADS 15 :2001 (Part B) using galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm as per IS :1568, for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, as per directions of Engineer-in-charge: (Note:- Butt hinges and necessary screws shall be paid separately)

9.31.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7154	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm on both directions with wire of dia 0.63 mm	sqm	2.38	1620.00	3855.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of shutters	L.S.	29.64	2.12	62.84
	LABOUR				
0156	Carpenter (average)	day	0.52	749.00	389.48
0114	Beldar	day	0.60	645.00	387.00
9999	Sundries	L.S.	35.88	2.12	76.07
	TOTAL				4770.98 W
	Add 1 % Water charges on "W"				47.71
	TOTAL				4818.69 X
	Add GST on "X" (multiplying factor 0.1405)				677.03
	TOTAL				5495.72 Y
	Add 15% CPOH on "Y"				824.36
	TOTAL				6320.08 Z
	Add Cess @ 1% on "Z"				63.20
	Cost of 2.38 sqm.				6383.28
	Cost of 1 sqm.				2682.05
	Say				2682.05

9.31.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7155	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL				
9977	Factory made 30 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm on both directions with wire of dia 0.63 mm	sqm	2.38	1430.00	3403.40
	Carriage of shutters	L.S.	29.64	2.12	62.84
	LABOUR				
0156	Carpenter (average)	day	0.52	749.00	389.48
0114	Beldar	day	0.60	645.00	387.00
9999	Sundries	L.S.	35.88	2.12	76.07
	TOTAL				4318.78 W
	Add 1 % Water charges on "W"				43.19
	TOTAL				4361.97 X
	Add GST on "X" (multiplying factor 0.1405)				612.86
	TOTAL				4974.83 Y
	Add 15% CPOH on "Y"				746.22
	TOTAL				5721.05 Z
	Add Cess @ 1% on "Z"				57.21
	Cost of 2.38 sqm.				5778.26
	Cost of 1 sqm.				2427.84
	Say				2427.85

9.40 Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :

9.40.1 2nd class teak wood

9.40.1.1 50x12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading for a window of size 140x110cm i.e. 500cm long (5 metre) MATERIAL Teak wood IIInd class in planks $500 \times 5 \times 1.2\text{cm} = 0.003 \text{ cum} +$ Add for wastage @ 10% = 0.0003 cum. Total = 0.0033 cum. Say 3.3 cudm.				
1190	Second class teak wood in planks	10 cudm	0.33	791.00	261.03
2204	Carriage of Timber	cum	0.0033	187.35	0.62
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.36	60.00	21.60
13.50.1	Painting with priming coat Area = $500(5+1.2+1.2) = 0.37 \text{ sqm}$ Rate as per item no 13.50.1 of SH : Finishing LABOUR For plaining, fixing and making design Carpenter 1st class	sqm	0.37	61.45	22.74 A
0111	TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 5 metre Cost of 1 metre Say	day	0.53	784.00	415.52 721.50 W 6.99 728.49 X 99.16 827.65 Y 120.74 948.39 Z 9.26 957.64 191.53 191.55

9.40.1.2 50 x 20 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading of a window of size 140x110cm i.e. 500cm. long (5metre) MATERIAL Teak wood IIInd class in planks $500 \times 5 \times 2.0\text{cm} = 0.005\text{cum} +$ Add for wastage @ 10% = 0.0005 cum. Total = 0.0055 cum. Say 5.5 cudm.				
1190	Second class teak wood in planks	10 cudm	0.55	791.00	435.05
2204	Carriage of Timber	cum	0.0055	187.35	1.03
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.36	60.00	21.60
	Painting with priming coat Area = $500(5+2+2) = 0.45 \text{ sqm}$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.1 0111	Rate as per item no 13.50.1 of SH : Finishing LABOUR For plaining, fixing and making design Carpenter 1st class TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 5 metre Cost of 1 metre Say	sqm day	0.45 0.53	61.45 784.00	27.65 A 415.52 900.85 W 8.73 909.58 X 123.91 1033.50 Y 150.88 1184.37 Z 11.57 1195.94 239.19 239.20

9.40.2 Kiln seasoned and chemically treated hollock wood

9.40.2.1 50x12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2505 2504 2204 0637	Details of cost for beading for a window of size 140x110cm i.e. 500cm long (5 metre) MATERIAL Hollock wood 500x5x1.2cm = 0.003 cum+ Add for wastage @ 10% = 0.0003 cum. Total = 0.0033 cum. Say 3.3 cudm.				
13.50.1 0111	Hollock wood in planks Kiln seasoning of timber Carriage of Timber Bright finished or black enamelled mild steel screws 40 mm Painting with priming coat Area = 500(5+1.2+1.2) = 0.37 sqm Rate as per item no 13.50.1 of SH : Finishing LABOUR For plaining, fixing and making design Carpenter 1st class TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 5 metre Cost of 1 metre Say	10 cudm cum cum 100 Nos sqm day	0.33 0.0033 0.0033 0.36 0.37 0.53	402.00 772.00 187.35 60.00 61.45 784.00	132.66 2.55 0.62 21.60 22.74 A 415.52 595.68 W 5.73 601.41 X 81.30 682.72 Y 99.00 781.71 Z 7.59 789.30 157.86 157.85

9.40.2.2 50x20 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading for a window of size 140x110cm i.e. 500cm long (5 metre) MATERIAL Hollock wood 500x50x200mm = 0.005 cum + Add for wastage @ 10% = 0.0005 cum. Total = 0.0055 cum. Say 5.5 cudm.				
2505	Hollock wood in planks	10 cudm	0.55	402.00	221.10
2504	Kiln seasoning of timber	cum	0.0055	772.00	4.25
2204	Carriage of Timber	cum	0.0055	187.35	1.03
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.36	60.00	21.60
13.50.1	Painting with priming coat Area = 500(5+2+2) = 0.45 sqm Rate as per item no 13.50.1 of SH : Finishing	sqm	0.45	61.45	27.65 A
	LABOUR				
0111	For plaining, fixing and making design Carpenter 1st class	day	0.53	784.00	415.52 691.15 W 6.63 697.78 X
	TOTAL				94.15
	Add 1 % Water charges on "W-A"				791.94 Y
	TOTAL				114.64
	Add GST on "X-A" (multiplying factor 0.1405)				906.58 Z
	TOTAL				8.79
	Add 15% CPOH on "Y-A"				915.37
	TOTAL				183.07
	Add Cess @ 1% on "Z-A"				183.05
	Cost of 5 metre				
	Cost of 1 metre				
	Say				

9.41 Providing and fixing plain jaffri of 35x10 mm laths placed 35 mm apart (frames to be paid separately), including fixing 50x12 mm beading complete with :

9.41.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of a jaffri 200x110cm = 2.2sqm. MATERIAL Teakwood 1Ind class Jaffri 210x120x1.0cm = 0.025cum.+ Beading 660x5x1.2cm = 0.004cum. Total = 0.029 cum.+ Add wastage @ 10% = 0.003 cum. Total = 0.032 cum. Say 32 cudm.				
1190	Second class teak wood in planks	10 cudm	3.20	791.00	2531.20
2204	Carriage of Timber	cum	0.032	187.35	6.00
0111	LABOUR				
0112	Carpenter 1st class	day	0.75	784.00	588.00
	Carpenter 2nd class	day	1.00	714.00	714.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.50	645.00	322.50
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				4311.75 W
	Add 1 % Water charges on "W"				43.12
	TOTAL				4354.87 X
	Add GST on "X" (multiplying factor 0.1405)				611.86
	TOTAL				4966.73 Y
	Add 15% CPOH on "Y"				745.01
	TOTAL				5711.74 Z
	Add Cess @ 1% on "Z"				57.12
	Cost of 2.2 sqm.				5768.85
	Cost of 1 sqm.				2622.21
	Say				2622.20

9.42 Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed three layer or graded plain wood particle board medium density grade I, ISI marked and conforming to IS : 3087 marked, including top cover of 6 mm commercial ply wood conforming to IS: 303 BWR grade, nickel plated M.S. pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7055	Details of cost for a pelmet 2m long MATERIAL (i) 18mm thick particle board (medium density exterior grade) Front-1x1.7x0.15= 0.255sqm.+ Sides-2x0.15x0.15= 0.045sqm. Total = 0.300sqm.+ Add wastage @5% = 0.015sqm. Total = 0.3 15sqm. Say 0.32 sqm. Flat pressed three layer or graded plain particle board (medium density) Grade 1 ISI marked and conforming to IS : 3087 - 18 mm thick 6mm thick commercial ply wood Top-1x1.7x0.15= 0.255sqm.+ Add wastage @ 5% = 0.013 sqm. = 0.268 sqm. Say 0.27 sqm.	sqm	0.32	430.00	137.60
2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	0.27	306.00	82.62
7034	Nickle plated M.S. pipe 20 mm dia.	metre	1.65	72.00	118.80
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	2.00	7.00	14.00
9977	Carriage of material	L.S.	0.52	2.12	1.10
9999	M.S. flat 25x3mm and 10cm long over brackets	L.S.	8.06	2.12	17.09
2505	Hollock wood in planks	10 cu dm	0.032	402.00	12.86
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	22.00	44.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.18	714.00	128.52
0130	Beldar	day	0.18	645.00	116.10
9999	Mistry	day	0.11	784.00	86.24
	Sundries	L.S.	2.73	2.12	5.79
	TOTAL				764.72 W
	Add 1 % Water charges on "W"				7.65
	TOTAL				772.37 X
	Add GST on "X" (multiplying factor 0.1405)				108.52
	TOTAL				880.89 Y
	Add 15% CPOH on "Y"				132.13
	TOTAL				1013.02 Z
	Add Cess @ 1% on "Z"				10.13
	Cost of 2 m				1023.15
	Cost of 1 metre				511.57
	Say				511.55

9.43 Providing and fixing 18 mm thick, 150 mm wide pelmet of coir veneer board ISI marked IS : 14842, including top cover of 6 mm coir veneer board, nickle plated M.S. Pipe 20 mm dia. (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. Flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7556	Details of cost for a pelmet 2m long MATERIAL (i) 18mm thick Coir veneered board Front-1x1.7x0.15= 0.255sqm.+ Sides-2x0.15x0.15= 0.045sqm. Total = 0.300sqm.+ Add wastage @5% = 0.015sqm. Total = 0.315sqm. Say 0.32 sqm. Coir veneered board 18mm thick 6mm thick commercial ply wood Top-1x1.7x0.15= 0.255sqm.+ Add wastage @ 5% = 0.013 sqm. Total = 0.268 sqm. Say 0.27 sqm.	sqm	0.32	930.00	297.60
7553	Coir veneered board 6mm thick	sqm	0.27	350.00	94.50
7034	Nickle plated M.S. pipe 20 mm dia.	metre	1.65	72.00	118.80
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	2.00	7.00	14.00
9977	Carriage of material	L.S.	0.52	2.12	1.10
9999	M.S. flat 25x3mm and 10cm long over brackets	L.S.	8.06	2.12	17.09
2505	Hollock wood in planks	10 cudm	0.032	402.00	12.86
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	22.00	44.00
0112	LABOUR	day	0.18	714.00	128.52
0114	Carpenter 2nd class	day	0.18	645.00	116.10
0130	Beldar	day	0.11	784.00	86.24
Mistry					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2 m Cost of 1 metre Say	L.S.	2.73	2.12	5.79 936.60 W 9.37 945.97 X 132.91 1078.88 Y 161.83 1240.71 Z 12.41 1253.11 626.56 626.55

9.44 Extra for using veneered particle board conforming to IS 3097 Grade I, in item of pelmet 18mm thick 150mm wide.

9.44.1 Non decorative veneer on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0347	Details of cost for a pelmet 2m long MATERIAL (i) 18mm thick particle board (medium density exterior grade) Front-1x1.7x0.15= 0.255sqm.+ Sides-2x0.15x0.15= 0.045sqm. Total = 0.300sqm.+ Add wastage @5% = 0.015sqm. Total = 0.315sqm. Say 0.32 sqm. Extra for veneered particle board with Commercial veneering on both sides TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2m Cost of 1 metre Say	sqm	0.32	155.00	49.60 49.60 W 0.50 50.10 X 7.04 57.13 Y 8.57 65.70 Z 0.66 66.36 33.18 33.20

9.44.2 Particle board with decorative veneering on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a pelmet 2m long MATERIAL (i) 18mm thick particle board (medium density exterior grade)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0348	Front-1x1.7x0.15= 0.255sqm.+ Sides-2x0.15x0.15= 0.045sqm. Total = 0.300sqm.+ Add wastage @5% = 0.015sqm. Total = 0.315sqm. Say 0.32 sqm. Extra for veneered particle board with Teak veneering on both sides TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2m Cost of 1 metre Say		0.32	500.00	160.00 160.00 W 1.60 161.60 X 22.70 184.30 Y 27.65 211.95 Z 2.12 214.07 107.04 107.05

9.45 Providing and fixing teak wood lipping of size 25x3 mm in pelmet.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7049	Details of cost for 10 metre MATERIAL Teak wood lipping of size 25x3 mm in pelmets LABOUR		10.00	12.00	120.00
0112	Carpenter 2nd class	day	0.25	714.00	178.50
0114	Beldar	day	0.25	645.00	161.25
	TOTAL				459.75 W
	Add 1 % Water charges on "W"				4.60
	TOTAL				464.35 X
	Add GST on "X" (multiplying factor 0.1405)				65.24
	TOTAL				529.59 Y
	Add 15% CPOH on "Y"				79.44
	TOTAL				609.03 Z
	Add Cess @ 1% on "Z"				6.09
	Cost for 10 metre				615.12
	Cost of 1 metre				61.51
	Say				61.50

9.46 Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete :

9.46.1 12 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2m long MATERIAL				
0590	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	2.00	185.00	370.00
7023	Chromium plated brackets (curtain rods)	each	2.00	8.00	16.00
9999	C.P. brass screws	L.S.	4.03	2.12	8.54
9977	CARRIAGE	L.S.	1.56	2.12	3.31
0458	PVC cleeves for screws	each	2.00	2.00	4.00
9999	LABOUR	L.S.	2.73	2.12	5.79
9999	Sundries	L.S.	1.56	2.12	3.31
	TOTAL				410.95 W
	Add 1 % Water charges on "W"				4.11
	TOTAL				415.06 X
	Add GST on "X" (multiplying factor 0.1405)				58.32
	TOTAL				473.37 Y
	Add 15% CPOH on "Y"				71.01
	TOTAL				544.38 Z
	Add Cess @ 1% on "Z"				5.44
	Cost for 2 metre				549.82
	Cost of 1 metre				274.91
	Say				274.90

9.46.2 20 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2m long MATERIAL				
0591	Chromium plated Brass curtain rod 20 mm dia 1.25mm thick	metre	2.00	260.00	520.00
7023	Chromium plated brackets (curtain rods)	each	2.00	8.00	16.00
9999	C.P. brass screws	L.S.	4.03	2.12	8.54
9977	CARRIAGE	L.S.	1.56	2.12	3.31
0458	PVC cleeves for screws	each	2.00	2.00	4.00
9999	LABOUR	L.S.	2.73	2.12	5.79
9999	Sundries	L.S.	1.56	2.12	3.31
	TOTAL				560.95 W
	Add 1 % Water charges on "W"				5.61
	TOTAL				566.56 X
	Add GST on "X" (multiplying factor 0.1405)				79.62
	TOTAL				646.17 Y
	Add 15% CPOH on "Y"				96.93
	TOTAL				743.10 Z
	Add Cess @ 1% on "Z"				7.43
	Cost for 2 metre				750.53
	Cost of 1 metre				375.26
	Say				375.25

9.46.3 25 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0592	Details of cost for 2m long MATERIAL Chromium plated Brass curtain rod 25 mm dia 1.25mm thick				
7023	Chromium plated brackets (curtain rods)	metre	2.00	340.00	680.00
9999	C.P. brass screws	each	2.00	8.00	16.00
9977	CARRIAGE	L.S.	4.03	2.12	8.54
0458	PVC cleaves for screws	L.S.	1.56	2.12	3.31
9999	LABOUR	each	2.00	2.00	4.00
9999	Sundries	L.S.	2.73	2.12	5.79
	TOTAL	L.S.	1.56	2.12	3.31
	Add 1 % Water charges on "W"				720.95 W
	TOTAL				7.21
	Add GST on "X" (multiplying factor 0.1405)				728.16 X
	TOTAL				102.31
	Add 15% CPOH on "Y"				830.46 Y
	TOTAL				124.57
	Add Cess @ 1% on "Z"				955.03 Z
	Cost for 2 metre				9.55
	Cost of 1 metre				964.58
	Say				482.29
					482.30

9.47 Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :

9.47.1 20 mm dia (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7034	Details of cost for 2m long MATERIAL Nickle plated M.S. pipe 20 mm dia.	metre	2.00	72.00	144.00
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	2.00	7.00	14.00
9999	Screws	L.S.	4.03	2.12	8.54
9999	CARRIAGE	L.S.	1.56	2.12	3.31
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	22.00	44.00
9999	Labour including fixing rawl plug	L.S.	5.20	2.12	11.02
9999	Sundries	L.S.	1.56	2.12	3.31
	TOTAL				228.18 W
	Add 1 % Water charges on "W"				2.28
	TOTAL				230.46 X
	Add GST on "X" (multiplying factor 0.1405)				32.38
	TOTAL				262.84 Y
	Add 15% CPOH on "Y"				39.43
	TOTAL				302.27 Z
	Add Cess @ 1% on "Z"				3.02
	Cost for 2 metre				305.29
	Cost of 1 metre				152.65
	Say				152.65

9.47.2 25 mm dia (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2m long MATERIAL				
7033	Nickel plated M.S. pipe 25mm dia	metre	2.00	76.00	152.00
7036	Nickle plated M.S. Brackets for curtain rod 25 mm	each	2.00	8.00	16.00
9999	Screws	L.S.	4.03	2.12	8.54
9999	CARRIAGE	L.S.	1.56	2.12	3.31
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	22.00	44.00
9999	Labour including fixing rawl plug	L.S.	5.20	2.12	11.02
9999	Sundries	L.S.	1.56	2.12	3.31
	TOTAL				238.18 W
	Add 1 % Water charges on "W"				2.38
	TOTAL				240.56 X
	Add GST on "X" (multiplying factor 0.1405)				33.80
	TOTAL				274.36 Y
	Add 15% CPOH on "Y"				41.15
	TOTAL				315.52 Z
	Add Cess @ 1% on "Z"				3.16
	Cost for 2 metre				318.67
	Cost of 1 metre				159.34
	Say				159.35

9.48 Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.

9.48.1 Fixed to steel windows by welding

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1003	Details of cost for 18.54 kg Grill size 90x120cm = 1.08sqm. MATERIAL M.S. bar 16mm dia. metre- 11x86cm = 9.46m. @ 1.58kg/m = 14.95kg+ Add wastage @ 10% = 1.50kg. Total = 16.45kg. Say 0.165q Mild steel round bar above 12 mm dia M.S. flat 25x3.15mm 2x120cm = 2.40m+ 2x90cm = 1.80m+ 1x120cm = 1.20m+ 2x15cm = 0.30m Total = 5.70m 5.70m @ 0.63kg/m = 3.59kg+ Add wastage @ 10% = 0.36kg. Total = 3.95kg. Say 4 kg. or 0.04q Flats upto 10 mm in thickness Carriage of Steel 0.165 + 0.04 = 0.205 q = 0.0205 t Say 0.02 tonne Sundries	quintal	0.165	4750.00	783.75
1008 2205		quintal tonne	0.04 0.02	4850.00 145.72	194.00 2.91
9999		L.S.	26.91	2.12	57.05

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Welding charges	L.S.	19.76	2.12	41.89
13.50.3	Priming coat: Area=1x0.9x1.2x1=1.08 sqm Rate as per Item No.13.50.3 of SH: Finishing LABOUR	sqm	1.08	55.50	59.94 A
0102	Blacksmith 1st class	day	0.86	784.00	674.24
0114	Beldar	day	1.10	645.00	709.50
	TOTAL				2523.28 W
	Add 1 % Water charges on "W-A"				24.63
	TOTAL				2547.92 X
	Add GST on "X-A" (multiplying factor 0.1405)				349.56
	TOTAL				2897.48 Y
	Add 15% CPOH on "Y-A"				425.63
	TOTAL				3323.11 Z
	Add Cess @ 1% on "Z-A"				32.63
	Cost for 18.54 kg.				3355.74
	Cost for 1 kg.				181.00
	Say				181.00

9.48.2 Fixed to openings /wooden frames with rawl plugs screws etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1003	Details of cost for 18.54 kg Grill size 90x120cm = 1.08sqm. MATERIAL M.S. bar 16mm dia. metre- 11x86cm = 9.46m. @ 1.58kg/m = 14.95kg+ Add wastage @ 10% = 1.50kg. Total = 16.45kg. Say 0.165q Mild steel round bar above 12 mm dia M.S. flat 25x3.15mm 2x120cm = 2.40m+ 2x90cm = 1.80m+ 1x120cm = 1.20m+ 2x15cm = 0.30m Total = 5.70m 5.70m @ 0.63kg/m = 3.59kg+ Add wastage @ 10% = 0.36kg. Total = 3.95kg. Say 4 kg. or 0.04q	quintal	0.165	4750.00	783.75
1008	Flats upto 10 mm in thickness	quintal	0.04	4850.00	194.00
2205	Carriage of Steel 0.165 + 0.04 = 0.205 q = 0.0205 t Say 0.02 tonne	tonne	0.02	145.72	2.91
9999	Sundries	L.S.	26.91	2.12	57.05
9999	Welding charges	L.S.	19.76	2.12	41.89
13.50.3	Priming coat: Area=1x0.9x1.2x1=1.08 sqm Rate as per Item No.13.50.3 of SH:Finishing LABOUR	sqm	1.08	55.50	59.94 A
0102	Blacksmith 1st class	day	0.86	784.00	674.24
0114	Beldar	day	1.10	645.00	709.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7048 9999	Rawl plug 50 mm (designation 10 no.) Fixing of rawl plugs TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 18.54 kg. Cost for 1 kg. Say	each L.S.	8.00 26.00	22.00 2.12	176.00 55.12 2754.40 W 26.94 2781.35 X 382.36 3163.71 Y 465.57 3629.27 Z 35.69 3664.97 197.68 197.70

9.49 Providing and fixing expanded metal 20x60 mm strands 3.25 mm wide and 1.6mm thick for windows etc. including 62 x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1015 9977 13.50.3 1190 2204 0112 0114 9999	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL Expended metal -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm. Mild steel expanded metal 20x60 mm strands Carriage Priming coat Area=1.40x1.10x1.00=1.54sqm Rate as per Item No.13.50.3 of SH: FINISHING Second class teak wood beading 5mx62mmx19mm = 0.0059cum. Add wastage @ 10% = 0.00059cum. Total = 0.00649cum. Say 6 cudm. Second class teak wood in planks Carriage of Timber LABOUR Carpenter 2nd class Beldar Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 1.54 sqm. Cost of 1 sqm. Say	sqm L.S. sqm 10 cudm cum day day L.S.	1.69 1.82 1.54 0.60 0.006 0.33 0.25 26.91	280.00 2.12 55.50 791.00 187.35 714.00 645.00 2.12 14.07 1506.24 X 199.62 1705.86 Y 243.06 1948.91 Z 18.63 1967.55 1277.63 1277.65	473.20 3.86 85.47 A 474.60 1.12 235.62 161.25 57.05 1492.17 W 14.07 1277.63 1277.65

9.50 Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. including 62x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL Hard drawn steel wire fabric -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm.				
1021 9977	Hard drawn steel wire fabric Carriage of wire fabric Priming coat Area=1.40x1.10x1.00=1.54sqm Rate as per Item No.13.50.3 of SH:FINISHING Second class teak wood beading 5mx62mmx19mm = 0.0059cum. Add wastage @ 10% = 0.00059cum. Total = 0.00649cum. Say 6 cumd.	sqm L.S.	1.69 1.82	430.00 2.12	726.70 3.86
13.50.3		sqm	1.54	55.50	85.47 A
1190 2204	Second class teak wood in planks Carriage of Timber LABOUR Carpenter 2nd class Beldar Sundries	10 cumd cum	0.60 0.006	791.00 187.35	474.60 1.12
0112 0114 9999	TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 1.54 sqm. Cost of 1 sqm. Say	day day L.S.	0.33 0.25 19.76	714.00 645.00 2.12	235.62 161.25 41.89 1730.51 W 16.45 1746.96 X 233.44 1980.40 Y 284.24 2264.64 Z 21.79 2286.44 1484.70 1484.70

9.51 Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete.

9.51.1 With 2nd class teak wood beading 62X19 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	1.69	250.00	422.50
9977	Carriage of wire fabric Second class teak wood beading 5mx62mmx19mm = 0.0059cum. Add wastage @ 10% = 0.00059cum. Total = 0.00649cum. Say 6 cudm.	L.S.	1.82	2.12	3.86
1190	Second class teak wood in planks	10 cudm	0.60	791.00	474.60
2204	Carriage of Timber	cum	0.006	187.35	1.12
0112	LABOUR				
0114	Carpenter 2nd class	day	0.33	714.00	235.62
9999	Beldar	day	0.25	645.00	161.25
	Sundries	L.S.	19.76	2.12	41.89
	TOTAL				1340.84 W
	Add 1 % Water charges on "W"				13.41
	TOTAL				1354.25 X
	Add GST on "X" (multiplying factor 0.1405)				190.27
	TOTAL				1544.52 Y
	Add 15% CPOH on "Y"				231.68
	TOTAL				1776.20 Z
	Add Cess @ 1% on "Z"				17.76
	Cost of 1.54 sqm.				1793.97
	Cost of 1 sqm.				1164.91
	Say				1164.90

9.51.2 With 12 mm mild steel U beading

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7029	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm.				
9977	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.69	250.00	422.50
7349	Carriage of wire fabric 12 mm M.S. 'U' beading	L.S.	1.82	2.12	3.86
0112	LABOUR	metre	5.00	14.00	70.00
0114	Carpenter 2nd class	day	0.33	714.00	235.62
	Beldar	day	0.25	645.00	161.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1.54 sqm. Cost of 1 sqm. Say	L.S.	19.76	2.12	41.89 935.12 W 9.35 944.47 X 132.70 1077.17 Y 161.58 1238.74 Z 12.39 1251.13 812.42 812.40

9.52 Deduct for fixing 75x25 mm hard drawn steel wire fabric of weight not less than 7.75 Kg per sqm in panelled and glazed door and window shutter instead of glass sheet 4 mm thick (weight not less than 10 kg per sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1021	Details of cost for 1 sqm. MATERIAL				
2406	Hard drawn steel wire fabric Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). Difference of cost TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Extra cost for 1 sqm. Say	sqm	1.00 -1.00	430.00 309.00	430.00 -309.00 121.00 W 1.21 122.21 X 17.17 139.38 Y 20.91 160.29 Z 1.60 161.89 161.90

9.53 Providing 40x5 mm flat iron hold fast 400 mm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 300x100x150cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1008 9977	Details of cost for 1 hold fast MATERIAL M.S.flat 40x5mm 40cm long @ 1.68 kg/m = 0.672 kg = 0.0067 quintal Flats upto 10 mm in thickness Carriage of steel Cement concrete 1:3:6 30x10x15cm= 0.0045cum.+	quintal L.S.	0.0067 1.82	4850.00 2.12	32.50 3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.2.5 9999 0103 0123 0114	Add wastage @ 10% = 0.00045cum. Total = 0.00495cum. Say 0.005cum. Rate as per item no 4.2.5 of SH : Concrete work Bolts and nuts LABOUR Blacksmith 2nd class Mason (brick layer) 1st class Beldar TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 1 no Say	cum L.S. day day day	0.005 5.46 0.03 0.03 0.03	8843.45 2.12 714.00 784.00 645.00	44.22 A 11.58 21.42 23.52 19.35 156.44 W 1.12 157.56 X 15.92 173.48 Y 19.39 192.87 Z 1.49 194.36 194.35

9.54 Providing beams including hoisting, fixing in position and applying wood preservative for the unexposed surfaces, etc. complete with :

9.54.1 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1199 2204 13.57.1 0112 0114 0100 9999	Details of cost for a beam 450x30x15cm = 0.203cum. or 203cudm. MATERIAL Sal wood = 203 cudm.+ Add wastage @ 2% = 4.06cudm. Total = 207.06cudm. Say 207.1 cudm. Sal wood in scantling Carriage of Timber Priming coat (wood preservative) Rate as per item no 13.57.1 SH : Finishing LABOUR Carpenter 2nd class Beldar Bandhani Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 203 cudm. Cost of 1 cum. Say	10 cudm cum sqm day day day L.S.	20.71 0.2071 0.54 0.70 1.45 0.70 26.91	600.00 187.35 47.10 714.00 645.00 714.00 2.12	12426.00 38.80 25.43 A 499.80 935.25 499.80 57.05 14482.13 W 144.57 14626.70 X 2051.48 16678.18 Y 2497.91 19176.09 Z 191.51 19367.60 95406.90 95406.90

9.54.2 Hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a beam 450x30x15cm = 0.203cum. or 203cudm. MATERIAL Hollock wood = 203 cu dm.+ Add wastage @ 2% = 4.06cudm. Total = 207.06cudm. Say 207.1 cu dm.				
2466	Hollock wood in scantling	10 cu dm	20.71	357.00	7393.47
2204	Carriage of Timber	cum	0.207	187.35	38.78
13.57.1	Priming coat (wood preservative)				
	Rate as per item no 13.57.1				
	SH : Finishing	sqm	0.54	47.10	25.43 A
	LABOUR				
0112	Carpenter 2nd class	day	0.70	714.00	499.80
0114	Beldar	day	1.45	645.00	935.25
0100	Bandhani	day	0.70	714.00	499.80
9999	Sundries	L.S.	26.91	2.12	57.05
	TOTAL				9449.58 W
	Add 1 % Water charges on "W-A"				94.24
	TOTAL				9543.83 X
	Add GST on "X-A" (multiplying factor 0.1405)				1337.33
	TOTAL				10881.16 Y
	Add 15% CPOH on "Y-A"				1628.36
	TOTAL				12509.52 Z
	Add Cess @ 1% on "Z-A"				124.84
	Cost for 203 cu dm.				12634.36
	Cost of 1 cum.				62238.23
	Say				62238.25

9.55 Providing and fixing ISI marked IS : 1341 M.S. pressed butt hinges bright finished with necessary screws etc. complete :

9.55.1 125x65x2.12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten hinges MATERIAL Bright finished or black enamelled ISI marked IS : 1341 mild steel pressed butt hinges 125x65x2.12 mm				
0594	Bright finished or black enamelled mild steel screws 50 mm	10 Nos	1.00	135.00	135.00
0635	Bright finished or black enamelled mild steel screws 50 mm	100 Nos	0.80	75.00	60.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR Carpenter 2nd class	day	0.14	714.00	99.96

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no Say	day	0.09	645.00	58.05 358.80 W 3.59 362.39 X 50.92 413.30 Y 62.00 475.30 Z 4.75 480.05 48.00 48.00

9.55.2 100x58x1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Details of cost for ten hinges MATERIAL Bright finished or black enamelled ISI marked IS : 1341 mild steel pressed butt pressed hinges 100x58x1.90 mm	10 Nos	1.00	80.00	80.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	60.00	48.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR Carpenter 2nd class	day	0.14	714.00	99.96
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no Say	day	0.09	645.00	58.05 2.92 291.80 W 336.12 Y 50.42 386.54 Z 3.87 390.41 39.04 39.05

9.55.3 75x47x1.70 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0596	Details of cost for ten hinges MATERIAL Bright finished or black enamelled ISI marked IS : 1341 mild steel pressed butt hinges 75x47x1.70 mm	10 Nos	1.00	56.00	56.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	45.00	27.00
9977	Carriage of materials	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				244.87 W
	Add 1 % Water charges on "W"				2.45
	TOTAL				247.32 X
	Add GST on "X" (multiplying factor 0.1405)				34.75
	TOTAL				282.07 Y
	Add 15% CPOH on "Y"				42.31
	TOTAL				324.37 Z
	Add Cess @ 1% on "Z"				3.24
	Cost of 10 nos.				327.62
	Cost of 1 no				32.76
	Say				32.75

9.55.4 50x37x1.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0597	Details of cost for ten hinges MATERIAL				
0640	Bright finished or black enamelled ISI marked IS : 1341 mild steel pressed butt pressed hinges 50x37x1.50 mm	10 Nos	1.00	49.00	49.00
9977	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.40	35.00	14.00
	Carriage of materials	L.S.	0.91	2.12	1.93
0112	LABOUR				
	Carpenter 2nd class	day	0.08	714.00	57.12
	TOTAL				122.05 W
	Add 1 % Water charges on "W"				1.22
	TOTAL				123.27 X
	Add GST on "X" (multiplying factor 0.1405)				17.32
	TOTAL				140.59 Y
	Add 15% CPOH on "Y"				21.09
	TOTAL				161.68 Z
	Add Cess @ 1% on "Z"				1.62
	Cost of 10 nos.				163.29
	Cost of 1 no				16.33
	Say				16.35

9.56 Providing and fixing ISI marked, IS : 1341, M.S. heavy weight bright finished butt hinges with necessary screws etc. complete :

9.56.1 125x90x4.00 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8222	Details of cost for ten hinges MATERIAL M.S. heavy weight but hinges 125x90x4.0mm IS : 1341 marked.	10 Nos	1.00	230.00	230.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0635	Bright finished or black enamelled mild steel screws 50 mm		100 Nos	0.80	75.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				453.80 W
	Add 1 % Water charges on "W"				4.54
	TOTAL				458.34 X
	Add GST on "X" (multiplying factor 0.1405)				64.40
	TOTAL				522.73 Y
	Add 15% CPOH on "Y"				78.41
	TOTAL				601.14 Z
	Add Cess @ 1% on "Z"				6.01
	Cost of 10 nos.				607.15
	Cost of 1 no				60.72
	Say				60.70

9.56.2 100x75x3.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8223	Details of cost for ten hinges MATERIAL				
	M.S. heavy weight butt hinges				
0637	100x75x3.5 mm IS: 1341 marked	10 Nos	1.00	180.00	180.00
9977	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	60.00	48.00
	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				391.80 W
	Add 1 % Water charges on "W"				3.92
	TOTAL				395.72 X
	Add GST on "X" (multiplying factor 0.1405)				55.60
	TOTAL				451.31 Y
	Add 15% CPOH on "Y"				67.70
	TOTAL				519.01 Z
	Add Cess @ 1% on "Z"				5.19
	Cost of 10 nos.				524.20
	Cost of 1 no				52.42
	Say				52.40

9.56.3 75x60x3.10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8224	Details of cost for ten hinges MATERIAL				
	M.S. heavy weight butt hinges	10 Nos	1.00	110.00	110.00
0638	75x60x3.1 mm IS: 1341 marked	100 Nos	0.60	45.00	27.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of materials	L.S.	1.82	2.12	3.86
	LABOUR				
0112	Carpenter 2nd class	day	0.14	714.00	99.96
0114	Beldar	day	0.09	645.00	58.05
	TOTAL				298.87 W
	Add 1 % Water charges on "W"				2.99
	TOTAL				301.86 X
	Add GST on "X" (multiplying factor 0.1405)				42.41
	TOTAL				344.27 Y
	Add 15% CPOH on "Y"				51.64
	TOTAL				395.91 Z
	Add Cess @ 1% on "Z"				3.96
	Cost of 10 nos.				399.87
	Cost of 1 no				39.99
	Say				40.00

9.56.4 50x40x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten hinges				
	MATERIAL				
8225	M.S. heavy weight butt hinges				
	50x40x2.5 mm IS : 1341 marked				
0640	Bright finished or black enamelled mild steel screws 20 mm	10 Nos	1.00	90.00	90.00
	Carriage of materials	100 Nos	0.40	35.00	14.00
9977	LABOUR	L.S.	0.91	2.12	1.93
0112	Carpenter 2nd class	day	0.08	714.00	57.12
	TOTAL				163.05 W
	Add 1 % Water charges on "W"				1.63
	TOTAL				164.68 X
	Add GST on "X" (multiplying factor 0.1405)				23.14
	TOTAL				187.82 Y
	Add 15% CPOH on "Y"				28.17
	TOTAL				215.99 Z
	Add Cess @ 1% on "Z"				2.16
	Cost of 10 nos.				218.15
	Cost of 1 no				21.81
	Say				21.80

9.57 Providing and fixing ISI marked IS : 1341 oxidised M.S. pressed butt hinges with necessary screws etc. complete. (Copper oxidized as per IS 1378).

9.57.1 125x65x2.12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0642	Details of cost for 10 nos.				
	MATERIAL				
	Oxidised mild steel butt hinges	10 Nos	1.00	125.00	125.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0682	Oxidised mild steel screws 50 mm		100 Nos	76.00	60.80
9977	Carriage of materials	L.S.	3.64	2.12	7.72
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				351.53 W
	Add 1 % Water charges on "W"				3.52
	TOTAL				355.04 X
	Add GST on "X" (multiplying factor 0.1405)				49.88
	TOTAL				404.93 Y
	Add 15% CPOH on "Y"				60.74
	TOTAL				465.66 Z
	Add Cess @ 1% on "Z"				4.66
	Cost of 10 nos.				470.32
	Cost of 1 no				47.03
	Say				47.05

9.57.2 100x58x1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0643	Details of cost for 10 nos. MATERIAL				
	Oxidised mild steel butt hinges 100x58x1.90 mm	10 Nos	1.00	90.00	90.00
0683		100 Nos	0.80	62.00	49.60
9977		L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				303.40 W
	Add 1 % Water charges on "W"				3.03
	TOTAL				306.43 X
	Add GST on "X" (multiplying factor 0.1405)				43.05
	TOTAL				349.49 Y
	Add 15% CPOH on "Y"				52.42
	TOTAL				401.91 Z
	Add Cess @ 1% on "Z"				4.02
	Cost of 10 nos.				405.93
	Cost of 1 no				40.59
	Say				40.60

9.57.3 75x47x1.70 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0644	Details of cost for 10 nos. MATERIAL				
	Oxidised mild steel butt hinges 75x47x1.70 mm	10 Nos	1.00	65.00	65.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0684	Oxidised mild steel screws 30 mm		100 Nos	49.00	29.40
9977	Carriage of materials	L.S.	1.82	2.12	3.86
	LABOUR				
0112	Carpenter 2nd class	day	0.14	714.00	99.96
0114	Beldar	day	0.09	645.00	58.05
	TOTAL				256.27 W
	Add 1 % Water charges on "W"				2.56
	TOTAL				258.83 X
	Add GST on "X" (multiplying factor 0.1405)				36.37
	TOTAL				295.20 Y
	Add 15% CPOH on "Y"				44.28
	TOTAL				339.48 Z
	Add Cess @ 1% on "Z"				3.39
	Cost of 10 nos.				342.87
	Cost of 1 no				34.29
	Say				34.30

9.57.4 50x37x1.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0645	Oxidised mild steel butt hinges 50x37x1.50 mm	10 Nos	1.00	55.00	55.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	0.91	2.12	1.93
	LABOUR				
0112	Carpenter 2nd class	day	0.08	714.00	57.12
	TOTAL				126.85 W
	Add 1 % Water charges on "W"				1.27
	TOTAL				128.12 X
	Add GST on "X" (multiplying factor 0.1405)				18.00
	TOTAL				146.12 Y
	Add 15% CPOH on "Y"				21.92
	TOTAL				168.04 Z
	Add Cess @ 1% on "Z"				1.68
	Cost of 10 nos.				169.72
	Cost of 1 no				16.97
	Say				16.95

9.58 Providing and fixing ISI marked IS : 1341 oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete. (Copper oxidized as per IS 1378).

9.58.1 150x125x27x2.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0646	Details of cost for 10 nos.				
	MATERIAL				
	Oxidised mild steel parliamentary hinges 150x125x27x2.8 mm	10 Nos	1.00	335.00	335.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.14	645.00	90.30
	TOTAL				580.65 W
	Add 1 % Water charges on "W"				5.81
	TOTAL				586.45 X
	Add GST on "X" (multiplying factor 0.1405)				82.40
	TOTAL				668.85 Y
	Add 15% CPOH on "Y"				100.33
	TOTAL				769.18 Z
	Add Cess @ 1% on "Z"				7.69
	Cost of 10 nos.				776.87
	Cost of 1 no				77.69
	Say				77.70

9.58.2 125x125x27x2.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0647	Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm	10 Nos	1.00	300.00	300.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.14	645.00	90.30
	TOTAL				545.65 W
	Add 1 % Water charges on "W"				5.46
	TOTAL				551.10 X
	Add GST on "X" (multiplying factor 0.1405)				77.43
	TOTAL				628.53 Y
	Add 15% CPOH on "Y"				94.28
	TOTAL				722.81 Z
	Add Cess @ 1% on "Z"				7.23
	Cost of 10 nos.				730.04
	Cost of 1 no				73.00
	Say				73.00

9.58.3 100x125x27x2.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0648	Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm	10 Nos	1.00	235.00	235.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.14	645.00	90.30
	TOTAL				480.65 W
	Add 1 % Water charges on "W"				4.81
	TOTAL				485.45 X
	Add GST on "X" (multiplying factor 0.1405)				68.21
	TOTAL				553.66 Y
	Add 15% CPOH on "Y"				83.05
	TOTAL				636.71 Z
	Add Cess @ 1% on "Z"				6.37
	Cost of 10 nos.				643.08
	Cost of 1 no				64.31
	Say				64.30

9.58.4 75x100x20x2.24 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0649	Details of cost for 10 nos.				
	MATERIAL				
	Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm	10 Nos	1.00	200.00	200.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	49.00	29.40
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.14	645.00	90.30
	TOTAL				425.45 W
	Add 1 % Water charges on "W"				4.25
	TOTAL				429.70 X
	Add GST on "X" (multiplying factor 0.1405)				60.37
	TOTAL				490.08 Y
	Add 15% CPOH on "Y"				73.51
	TOTAL				563.59 Z
	Add Cess @ 1% on "Z"				5.64
	Cost of 10 nos.				569.22
	Cost of 1 no				56.92
	Say				56.90

9.59 Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete. (Copper oxidized as per IS 1378).

9.59.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0650	Details of cost for 10 nos.				
	MATERIAL				
	Oxidised mild steel single acting spring hinges 150 mm	each	10.00	140.00	1400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0682	Oxidised mild steel screws 50 mm		100 Nos	76.00	60.80
9977	Carriage of materials	L.S.	2.73	2.12	5.79
	LABOUR				
0112	Carpenter 2nd class	day	0.40	714.00	285.60
0114	Beldar	day	0.20	645.00	129.00
	TOTAL				1881.19 W
	Add 1 % Water charges on "W"				18.81
	TOTAL				1900.00 X
	Add GST on "X" (multiplying factor 0.1405)				266.95
	TOTAL				2166.95 Y
	Add 15% CPOH on "Y"				325.04
	TOTAL				2491.99 Z
	Add Cess @ 1% on "Z"				24.92
	Cost of 10 nos.				2516.91
	Cost of 1 no				251.69
	Say				251.70

9.59.2 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0651	Oxidised mild steel single acting spring hinges 125 mm	each	10.00	120.00	1200.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	76.00	60.80
9977	Carriage of materials	L.S.	2.73	2.12	5.79
	LABOUR				
0112	Carpenter 2nd class	day	0.40	714.00	285.60
0114	Beldar	day	0.20	645.00	129.00
	TOTAL				1681.19 W
	Add 1 % Water charges on "W"				16.81
	TOTAL				1698.00 X
	Add GST on "X" (multiplying factor 0.1405)				238.57
	TOTAL				1936.57 Y
	Add 15% CPOH on "Y"				290.49
	TOTAL				2227.05 Z
	Add Cess @ 1% on "Z"				22.27
	Cost of 10 nos.				2249.32
	Cost of 1 no				224.93
	Say				224.95

9.59.3 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0652	Oxidised mild steel single acting spring hinges 100 mm	each	10.00	100.00	1000.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.40	714.00	285.60
	Beldar	day	0.20	645.00	129.00
	TOTAL				1469.99 W
	Add 1 % Water charges on "W"				14.70
	TOTAL				1484.69 X
	Add GST on "X" (multiplying factor 0.1405)				208.60
	TOTAL				1693.29 Y
	Add 15% CPOH on "Y"				253.99
	TOTAL				1947.28 Z
	Add Cess @ 1% on "Z"				19.47
	Cost of 10 nos.				1966.75
	Cost of 1 no				196.68
	Say				196.70

9.60 Providing and fixing ISI marked IS : 453 oxidised M.S. double acting spring hinges with necessary screws etc. complete. (Copper oxidized as per IS 1378).

9.60.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0653	Details of cost for 10 nos. MATERIAL Oxidised mild steel double acting spring hinges 150 mm	each	10.00	160.00	1600.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	76.00	60.80
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.40	714.00	285.60
	Beldar	day	0.20	645.00	129.00
	TOTAL				2081.19 W
	Add 1 % Water charges on "W"				20.81
	TOTAL				2102.00 X
	Add GST on "X" (multiplying factor 0.1405)				295.33
	TOTAL				2397.33 Y
	Add 15% CPOH on "Y"				359.60
	TOTAL				2756.93 Z
	Add Cess @ 1% on "Z"				27.57
	Cost of 10 nos.				2784.50
	Cost of 1 no				278.45
	Say				278.45

9.60.2 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0654	Details of cost for 10 nos. MATERIAL Oxidised mild steel double acting spring hinges 125 mm	each	10.00	140.00	1400.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	76.00	60.80
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.40	714.00	285.60
	Beldar	day	0.20	645.00	129.00
	TOTAL				1881.19 W
	Add 1 % Water charges on "W"				18.81
	TOTAL				1900.00 X
	Add GST on "X" (multiplying factor 0.1405)				266.95
	TOTAL				2166.95 Y
	Add 15% CPOH on "Y"				325.04
	TOTAL				2491.99 Z
	Add Cess @ 1% on "Z"				24.92
	Cost of 10 nos.				2516.91
	Cost of 1 no				251.69
	Say				251.70

9.60.3 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0655	Oxidised mild steel double acting spring hinges 100 mm	each	10.00	120.00	1200.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.12	5.79
	LABOUR				
0112	Carpenter 2nd class	day	0.40	714.00	285.60
0114	Beldar	day	0.20	645.00	129.00
	TOTAL				1669.99 W
	Add 1 % Water charges on "W"				16.70
	TOTAL				1686.69 X
	Add GST on "X" (multiplying factor 0.1405)				236.98
	TOTAL				1923.67 Y
	Add 15% CPOH on "Y"				288.55
	TOTAL				2212.22 Z
	Add Cess @ 1% on "Z"				22.12
	Cost of 10 nos.				2234.34
	Cost of 1 no				223.43
	Say				223.45

9.61 Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel chromium plating grade 1 as per IS: 1068 and fixing with necessary screws etc., complete.

9.61.1 Overall width 35 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0656	Details of cost for 1 meter MATERIAL Nickel plated mild steel piano hinges 1 mm thick 35 mm wide	metre	1.00	40.00	40.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0686	Oxidised mild steel screws 20 mm		100 Nos	0.30	32.00
9977	Carriage of materials		L.S.	1.82	2.12
	LABOUR				3.86
0112	Carpenter 2nd class		day	0.14	714.00
0114	Beldar		day	0.09	645.00
	TOTAL				99.96
	Add 1 % Water charges on "W"				58.05
	TOTAL				211.47 W
	Add GST on "X" (multiplying factor 0.1405)				2.11
	TOTAL				213.58 X
	Add 15% CPOH on "Y"				30.01
	TOTAL				243.59 Y
	Add Cess @ 1% on "Z"				36.54
	Cost for 1 metre				280.13 Z
	Say				2.80
					282.93
					282.95

9.61.2 Overall width 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 meter MATERIAL				
7485	Oxidised M. S. hinges finished with nickel plating 50 mm (Over all width)	metre	1.00	40.00	40.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	32.00	9.60
9977	Carriage of materials	L.S.	1.82	2.12	3.86
	LABOUR				
0112	Carpenter 2nd class		day	0.14	714.00
0114	Beldar		day	0.09	645.00
	TOTAL				99.96
	Add 1 % Water charges on "W"				58.05
	TOTAL				211.47 W
	Add GST on "X" (multiplying factor 0.1405)				2.11
	TOTAL				213.58 X
	Add 15% CPOH on "Y"				30.01
	TOTAL				243.59 Y
	Add Cess @ 1% on "Z"				36.54
	Cost for 1 metre				280.13 Z
	Say				2.80
					282.93
					282.95

9.61.3 Overall width 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 meter MATERIAL				
7486	Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width)	metre	1.00	52.00	52.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	32.00	9.60
9977	Carriage of materials	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				223.47 W
	Add 1 % Water charges on "W"				2.23
	TOTAL				225.70 X
	Add GST on "X" (multiplying factor 0.1405)				31.71
	TOTAL				257.41 Y
	Add 15% CPOH on "Y"				38.61
	TOTAL				296.03 Z
	Add Cess @ 1% on "Z"				2.96
	Cost for 1 metre				298.99
	Say				299.00

9.62 Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : (Copper oxidized as per IS 1378).

9.62.1 300x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0660	Details of cost for 10 nos. MATERIAL Oxidised mild steel sliding door bolt 300x16 mm	each	10.00	90.00	900.00
7040	Oxidised mild steel screws 35 mm	100 Nos	1.20	48.00	57.60
0641	Bright finished or black enamelled mild steel bolts and nuts 50x6 mm	each	40.00	5.00	200.00
9988	Carriage of materials & sundries	L.S.	6.37	2.12	13.50
0112	LABOUR Carpenter 2nd class	day	0.25	714.00	178.50
	TOTAL				1349.60 W
	Add 1 % Water charges on "W"				13.50
	TOTAL				1363.10 X
	Add GST on "X" (multiplying factor 0.1405)				191.52
	TOTAL				1554.62 Y
	Add 15% CPOH on "Y"				233.19
	TOTAL				1787.81 Z
	Add Cess @ 1% on "Z"				17.88
	Cost of 10 nos.				1805.69
	Cost of 1 no.				180.57
	Say				180.55

9.62.2 250x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0661	Details of cost for 10 nos. MATERIAL Oxidised mild steel sliding door bolt 250x16 mm	each	10.00	80.00	800.00
7040	Oxidised mild steel screws 35 mm	100 Nos	1.00	48.00	48.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0641	Bright finished or black enamelled mild steel bolts and nuts 50x6 mm	each	40.00	5.00	200.00
9988	Carriage of materials & sundries	L.S.	6.37	2.12	13.50
0112	LABOUR Carpenter 2nd class	Day	0.25	714.00	178.50 1240.00 W 12.40 1252.40 X
	TOTAL Add 1 % Water charges on "W"				175.96
	TOTAL Add GST on "X" (multiplying factor 0.1405)				1428.37 Y
	TOTAL Add 15% CPOH on "Y"				214.26
	TOTAL Add Cess @ 1% on "Z"				1642.62 Z
	Cost of 10 nos.				16.43
	Cost of 1 no.				1659.05
	Say				165.90
					165.90

9.63 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (Copper oxidized as per IS : 1378).

9.63.1 250x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0664	Details of cost for 10 nos. MATERIAL Oxidised mild steel tower bolt (barrel type) 250x10 mm	each	10.00	43.00	430.00
0684	Oxidised mild steel screws 30 mm	100 Nos	1.00	49.00	49.00
9977	Carriage of material	L.S.	3.64	2.12	7.72
0112	LABOUR Carpenter 2nd class	day	0.10	714.00	71.40 558.12 W 5.58 563.70 X
	TOTAL Add 1 % Water charges on "W"				79.20
	TOTAL Add GST on "X" (multiplying factor 0.1405)				642.90 Y
	TOTAL Add 15% CPOH on "Y"				96.43
	TOTAL Add Cess @ 1% on "Z"				739.33 Z
	Cost of 10 nos.				7.39
	Cost of 1 no.				746.73
	Say				74.67
					74.65

9.63.2 200x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0665	Details of cost for 10 nos. MATERIAL Oxidised mild steel tower bolt (barrel type) 200x10 mm	each	10.00	34.00	340.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0684	Oxidised mild steel screws 30 mm		100 Nos	49.00	39.20
9977	Carriage of material		L.S.	2.12	5.79
0112	LABOUR				
	Carpenter 2nd class	day	0.10	714.00	71.40
	TOTAL				456.39 W
	Add 1 % Water charges on "W"				4.56
	TOTAL				460.95 X
	Add GST on "X" (multiplying factor 0.1405)				64.76
	TOTAL				525.72 Y
	Add 15% CPOH on "Y"				78.86
	TOTAL				604.57 Z
	Add Cess @ 1% on "Z"				6.05
	Cost of 10 nos.				610.62
	Cost of 1 no.				61.06
	Say				61.05

9.63.3 150x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0666	Oxidised mild steel tower bolt (barrel type) 150x10 mm	each	10.00	29.00	290.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	49.00	29.40
9977	Carriage of material	L.S.	2.73	2.12	5.79
0112	LABOUR				
	Carpenter 2nd class	day	0.10	714.00	71.40
	TOTAL				396.59 W
	Add 1 % Water charges on "W"				3.97
	TOTAL				400.55 X
	Add GST on "X" (multiplying factor 0.1405)				56.28
	TOTAL				456.83 Y
	Add 15% CPOH on "Y"				68.52
	TOTAL				525.36 Z
	Add Cess @ 1% on "Z"				5.25
	Cost of 10 nos.				530.61
	Cost of 1 no.				53.06
	Say				53.05

9.63.4 100x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0667	Oxidised mild steel tower bolt (barrel type) 100x10 mm	each	10.00	20.00	200.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	49.00	29.40
9977	Carriage of material	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.08	714.00	57.12 292.31 W 2.92 295.23 X 41.48 336.71 Y 50.51 387.22 Z 3.87 391.09 39.11 39.10

9.64 Providing and fixing ISI marked 85x42 mm oxidised M.S. pull bolt lock conforming to IS : 7534 with necessary screws bolts, nut and washers etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2449	Details of cost for 10 nos. MATERIAL Oxidised mild steel pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws,bolts,nuts and washers complete	each	10.00	62.00	620.00
9988	Carriage of materials & sundries	L.S.	6.37	2.12	13.50
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.25	714.00	178.50 812.00 W 8.12 820.12 X 115.23 935.35 Y 140.30 1075.65 Z 10.76 1086.41 108.64 108.65

9.65 Providing and fixing ISI marked oxidised M.S. door latches conforming to IS:5930 with screws etc. complete : (Copper oxidized as per IS : 1378).

9.65.1 300x20x6 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0662	Details of cost for 10 nos. MATERIAL Oxidised mild steel door latch 300x20x6 mm	each	10.00	49.00	490.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0685	Oxidised mild steel screws 25 mm				32.40
9977	Carriage of materials				7.72
0112	LABOUR Carpenter 2nd class	day	0.12	714.00	85.68
	TOTAL				615.80 W
	Add 1 % Water charges on "W"				6.16
	TOTAL				621.95 X
	Add GST on "X" (multiplying factor 0.1405)				87.38
	TOTAL				709.34 Y
	Add 15% CPOH on "Y"				106.40
	TOTAL				815.74 Z
	Add Cess @ 1% on "Z"				8.16
	Cost of 10 nos.				823.90
	Cost of 1 no.				82.39
	Say				82.40

9.65.2 250x20x6 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0663	Oxidised mild steel door latch				390.00
	250x20x6 mm				
0685	Oxidised mild steel screws 25 mm	each	10.00	39.00	32.40
9977	Carriage of materials	100 Nos	0.90	36.00	7.72
0112	LABOUR Carpenter 2nd class	L.S.	3.64	2.12	
	TOTAL	day	0.12	714.00	85.68
	Add 1 % Water charges on "W"				515.80 W
	TOTAL				5.16
	Add GST on "X" (multiplying factor 0.1405)				520.95 X
	TOTAL				73.19
	Add 15% CPOH on "Y"				594.15 Y
	TOTAL				89.12
	Add Cess @ 1% on "Z"				683.27 Z
	Cost of 10 nos.				6.83
	Cost of 1 no.				690.10
	Say				69.01
					69.00

9.66 Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : (Copper oxidized as per IS : 1378).

9.66.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0668	Oxidised mild steel handles 125 mm	each	10.00	20.00	200.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.06	714.00	42.84 263.03 W 2.63 265.66 X 37.32 302.98 Y 45.45 348.43 Z 3.48 351.91 35.19 35.20

9.66.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0669	Details of cost for 10 nos.				
0685	MATERIAL				
9977	Oxidised mild steel handles 100 mm	each	10.00	15.00	150.00
0112	Oxidised mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
	Carriage of materials	L.S.	1.82	2.12	3.86
	LABOUR				
	Carpenter 2nd class	day	0.06	714.00	42.84
	TOTAL				211.10 W
	Add 1 % Water charges on "W"				2.11
	TOTAL				213.21 X
	Add GST on "X" (multiplying factor 0.1405)				29.96
	TOTAL				243.17 Y
	Add 15% CPOH on "Y"				36.47
	TOTAL				279.64 Z
	Add Cess @ 1% on "Z"				2.80
	Cost of 10 nos.				282.44
	Cost of 1 no.				28.24
	Say				28.25

9.66.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0670	Details of cost for 10 nos.				
0685	MATERIAL				
9977	Oxidised mild steel handles 75 mm	each	10.00	12.00	120.00
	Oxidised mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
	Carriage of materials	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.06	714.00	42.84 181.10 W 1.81 182.91 X 25.70 208.61 Y 31.29 239.90 Z 2.40 242.30 24.23 24.25

9.67 Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete : (Copper oxidized as per IS : 1378).

9.67.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0679	Details of cost for 10 nos. MATERIAL Oxidised mild steel hasps and staples (safety type) 150 mm	10 Nos	1.00	128.00	128.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.80	36.00	28.80
9977	Carriage of materials	L.S.	1.82	2.12	3.86
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.08	714.00	57.12 217.78 W 2.18 219.96 X 30.90 250.86 Y 37.63 288.49 Z 2.88 291.37 29.14 29.15

9.67.2 115 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0680	Details of cost for 10 nos. MATERIAL Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	1.00	108.00	108.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.70	36.00	25.20
9977	Carriage of materials	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.08	714.00	57.12 194.18 W 1.94 196.12 X 27.55 223.68 Y 33.55 257.23 Z 2.57 259.80 25.98 26.00

9.67.3 90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0681	Details of cost for 10 nos. MATERIAL Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	1.00	79.00	79.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.70	36.00	25.20
9977	Carriage of materials	L.S.	1.82	2.12	3.86
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.08	714.00	57.12 165.18 W 1.65 166.83 X 23.44 190.27 Y 28.54 218.81 Z 2.19 221.00 22.10 22.10

9.68 Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. (Copper oxidized as per IS : 1378).

9.68.1 300 mm weighing not less than 330 grams

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7063	Details of cost for 10 nos. MATERIAL Oxidised M.S.casement stay (straight peg type) 300 mm not less than 330 gm	each	10.00	35.00	350.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.40	49.00	19.60
9977	Carriage of materials	L.S.	0.91	2.12	1.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.10	714.00	71.40 442.93 W 4.43 447.36 X 62.85 510.21 Y 76.53 586.74 Z 5.87 592.61 59.26 59.25

9.68.2 250 mm weighing not less than 280 grams

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7064	Details of cost for 10 nos.				
0685	MATERIAL				
9977	Oxidised M.S.casement stay (straight peg type) 250 mm not less than 280 gm	each	10.00	30.00	300.00
0112	Oxidised mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
	Carriage of materials	L.S.	0.91	2.12	1.93
	LABOUR				
	Carpenter 2nd class	day	0.10	714.00	71.40
	TOTAL				387.73 W
	Add 1 % Water charges on "W"				3.88
	TOTAL				391.61 X
	Add GST on "X" (multiplying factor 0.1405)				55.02
	TOTAL				446.63 Y
	Add 15% CPOH on "Y"				66.99
	TOTAL				513.62 Z
	Add Cess @ 1% on "Z"				5.14
	Cost of 10 nos.				518.76
	Cost of 1 no.				51.88
	Say				51.90

9.68.3 200 mm weighing not less than 240 grams

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7065	Details of cost for 10 nos.				
0685	MATERIAL				
9977	Oxidised M.S.casement stay (straight peg type) 200 mm not less than 240 gm	each	10.00	25.00	250.00
	Oxidised mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
	Carriage of materials	L.S.	0.91	2.12	1.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.10	714.00	71.40 337.73 W 3.38 341.11 X 47.93 389.03 Y 58.35 447.39 Z 4.47 451.86 45.19 45.20

9.69 Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors, (weighting not less than 450 gms) and Copper oxidized as per IS : 1378.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7184	Details of cost for 10 nos. MATERIAL Oxidised M.S. safety chain (weighing not less than 450 gms) for door	each	10.00	57.00	570.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.60	36.00	21.60
9977	Carriage of materials	L.S.	0.91	2.12	1.93
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.10	714.00	71.40 664.93 W 6.65 671.58 X 94.36 765.94 Y 114.89 880.83 Z 8.81 889.63 88.96 88.95

9.70 Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :

9.70.1 125x64x1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8215	Details of cost for 10 nos. MATERIAL Stainless steel butt hinges 125x64x 1.9 mm IS : 12817 marked	10 Nos	1.00	310.00	310.00
8210	Stainless steel screws 50 mm	100 Nos	0.80	300.00	240.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				713.80 W
	Add 1 % Water charges on "W"				7.14
	TOTAL				720.94 X
	Add GST on "X" (multiplying factor 0.1405)				101.29
	TOTAL				822.23 Y
	Add 15% CPOH on "Y"				123.33
	TOTAL				945.56 Z
	Add Cess @ 1% on "Z"				9.46
	Cost of 10 nos.				955.02
	Cost of 1 no				95.50
	Say				95.50

9.70.2 100X58X1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8216	Details of cost for 10 nos.				
	MATERIAL				
	Stainless steel butt hinges 100x58x 1.9 mm IS : 12817 marked	10 Nos	1.00	280.00	280.00
8211	Stainless steel screws 40 mm	100 Nos	0.80	250.00	200.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				643.80 W
	Add 1 % Water charges on "W"				6.44
	TOTAL				650.24 X
	Add GST on "X" (multiplying factor 0.1405)				91.36
	TOTAL				741.59 Y
	Add 15% CPOH on "Y"				111.24
	TOTAL				852.83 Z
	Add Cess @ 1% on "Z"				8.53
	Cost of 10 nos.				861.36
	Cost of 1 no				86.14
	Say				86.15

9.70.3 75x47x1.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8217	Details of cost for 10 nos.				
	MATERIAL				
	Stainless steel butt hinges 75x47x 1.8 mm IS : 12817 marked	10 Nos	1.00	180.00	180.00
8212	Stainless steel screws 30 mm	100 Nos	0.60	230.00	138.00
9977	Carriage of materials	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				479.87 W
	Add 1 % Water charges on "W"				4.80
	TOTAL				484.67 X
	Add GST on "X" (multiplying factor 0.1405)				68.10
	TOTAL				552.76 Y
	Add 15% CPOH on "Y"				82.91
	TOTAL				635.68 Z
	Add Cess @ 1% on "Z"				6.36
	Cost of 10 nos.				642.03
	Cost of 1 no				64.20
	Say				64.20

9.70.4 50x37x1.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8218	Details of cost for 10 nos.				
	MATERIAL				
	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	1.00	150.00	150.00
8214	Stainless steel screws 20 mm	100 Nos	0.40	150.00	60.00
9977	Carriage of materials	L.S.	0.91	2.12	1.93
0112	LABOUR				
	Carpenter 2nd class	day	0.08	714.00	57.12
	TOTAL				269.05 W
	Add 1 % Water charges on "W"				2.69
	TOTAL				271.74 X
	Add GST on "X" (multiplying factor 0.1405)				38.18
	TOTAL				309.92 Y
	Add 15% CPOH on "Y"				46.49
	TOTAL				356.41 Z
	Add Cess @ 1% on "Z"				3.56
	Cost of 10 nos.				359.97
	Cost of 1 no				36.00
	Say				36.00

9.71 Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :

9.71.1 125x64x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8219	Details of cost for 10 nos.				
	MATERIAL				
	Stainless steel butt hinges (heavy weight) 125x64x2.5 mm IS : 12817 marked	10 Nos	1.00	375.00	375.00
8210	Stainless steel screws 50 mm	100 Nos	0.80	300.00	240.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				778.80 W
	Add 1 % Water charges on "W"				7.79
	TOTAL				786.59 X
	Add GST on "X" (multiplying factor 0.1405)				110.52
	TOTAL				897.10 Y
	Add 15% CPOH on "Y"				134.57
	TOTAL				1031.67 Z
	Add Cess @ 1% on "Z"				10.32
	Cost of 10 nos.				1041.98
	Cost of 1 no				104.20
	Say				104.20

9.71.2 100x60x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Details of cost for 10 nos. MATERIAL Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked				
8211	Stainless steel screws 40 mm	10 Nos	1.00	275.00	275.00
9977	Carriage of materials	100 Nos	0.80	250.00	200.00
	LABOUR	L.S.	2.73	2.12	5.79
0112	Carpenter 2nd class	day	0.14	714.00	99.96
0114	Beldar	day	0.09	645.00	58.05
	TOTAL				638.80 W
	Add 1 % Water charges on "W"				6.39
	TOTAL				645.19 X
	Add GST on "X" (multiplying factor 0.1405)				90.65
	TOTAL				735.83 Y
	Add 15% CPOH on "Y"				110.38
	TOTAL				846.21 Z
	Add Cess @ 1% on "Z"				8.46
	Cost of 10 nos.				854.67
	Cost of 1 no				85.47
	Say				85.45

9.71.3 75x50x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8221	Details of cost for 10 nos. MATERIAL Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS : 12817 marked				
8212	Stainless steel screws 30 mm	10 Nos	1.00	230.00	230.00
9977	Carriage of materials	100 Nos	0.60	230.00	138.00
		L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.09	645.00	58.05
	TOTAL				529.87 W
	Add 1 % Water charges on "W"				5.30
	TOTAL				535.17 X
	Add GST on "X" (multiplying factor 0.1405)				75.19
	TOTAL				610.36 Y
	Add 15% CPOH on "Y"				91.55
	TOTAL				701.91 Z
	Add Cess @ 1% on "Z"				7.02
	Cost of 10 nos.				708.93
	Cost of 1 no				70.89
	Say				70.90

9.72 Providing and fixing bright finished brass butt hinges with necessary screws etc. complete :

9.72.1 125x85x5.5 mm (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0382	Details of cost for 10 nos.				
	MATERIAL				
	Brass butt hinges (heavy type) : 125x85x5.5 mm (0.70kg)	10 Nos	1.00	1309.00	1309.00
0449	Brass screws 50 mm	100 Nos	1.00	220.00	220.00
9977	Carriage of material	L.S.	3.64	2.12	7.72
0111	LABOUR				
0114	Carpenter 1st class	day	0.14	784.00	109.76
	Beldar	day	0.10	645.00	64.50
	TOTAL				1710.98 W
	Add 1 % Water charges on "W"				17.11
	TOTAL				1728.09 X
	Add GST on "X" (multiplying factor 0.1405)				242.80
	TOTAL				1970.88 Y
	Add 15% CPOH on "Y"				295.63
	TOTAL				2266.52 Z
	Add Cess @ 1% on "Z"				22.67
	Cost for 10 nos.				2289.18
	Cost of 1 no.				228.92
	Say				228.90

9.72.2 125x70x4 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0378	Details of cost for 10 nos.				
	MATERIAL				
	Brass butt hinges (light/ordinary type) : 125x70x4 mm	10 Nos	1.00	775.00	775.00
0449	Brass screws 50 mm	100 Nos	1.00	220.00	220.00
9977	Carriage of material	L.S.	3.64	2.12	7.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
0114	Carpenter 1st class	day	0.14	784.00	109.76
	Beldar	day	0.10	645.00	64.50
	TOTAL				1176.98 W
	Add 1 % Water charges on "W"				11.77
	TOTAL				1188.75 X
	Add GST on "X" (multiplying factor 0.1405)				167.02
	TOTAL				1355.77 Y
	Add 15% CPOH on "Y"				203.36
	TOTAL				1559.13 Z
	Add Cess @ 1% on "Z"				15.59
	Cost for 10 nos.				1574.72
	Cost of 1 no.				157.47
	Say				157.45

9.72.3 100x85x5.5 mm (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0383	Details of cost for 10 nos. MATERIAL				
0450	Brass butt hinges (heavy type) : 100x85x5.5 mm (0.56 kg)	10 Nos	1.00	997.00	997.00
9977	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
	Carriage of material	L.S.	2.73	2.12	5.79
0111	LABOUR				
0114	Carpenter 1st class	day	0.14	784.00	109.76
	Beldar	day	0.10	645.00	64.50
	TOTAL				1313.05 W
	Add 1 % Water charges on "W"				13.13
	TOTAL				1326.18 X
	Add GST on "X" (multiplying factor 0.1405)				186.33
	TOTAL				1512.51 Y
	Add 15% CPOH on "Y"				226.88
	TOTAL				1739.38 Z
	Add Cess @ 1% on "Z"				17.39
	Cost for 10 nos.				1756.78
	Cost of 1 no.				175.68
	Say				175.70

9.72.4 100x70x4 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0379	Details of cost for 10 nos. MATERIAL				
0450	Brass butt hinges (light/ordinary type) : 100x70x4 mm	10 Nos	1.00	625.00	625.00
9977	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
	Carriage of material	L.S.	2.73	2.12	5.79
	LABOUR				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	Carpenter 1st class	day	0.14	784.00	109.76
0114	Beldar	day	0.10	645.00	64.50
	TOTAL				941.05 W
	Add 1 % Water charges on "W"				9.41
	TOTAL				950.46 X
	Add GST on "X" (multiplying factor 0.1405)				133.54
	TOTAL				1084.00 Y
	Add 15% CPOH on "Y"				162.60
	TOTAL				1246.60 Z
	Add Cess @ 1% on "Z"				12.47
	Cost for 10 nos.				1259.06
	Cost of 1 no.				125.91
	Say				125.90

9.72.5 75x65x4 mm (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0384	Details of cost for 10 nos. MATERIAL Brass butt hinges (heavy type) : 75x65x4.0 mm(0.20 kg)	10 Nos	1.00	838.00	838.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of material	L.S.	2.73	2.12	5.79
0111	Carpenter 1st class	day	0.14	784.00	109.76
0114	Beldar	day	0.10	645.00	64.50
	TOTAL				1102.05 W
	Add 1 % Water charges on "W"				11.02
	TOTAL				1113.07 X
	Add GST on "X" (multiplying factor 0.1405)				156.39
	TOTAL				1269.45 Y
	Add 15% CPOH on "Y"				190.42
	TOTAL				1459.87 Z
	Add Cess @ 1% on "Z"				14.60
	Cost for 10 nos.				1474.47
	Cost of 1 no.				147.45
	Say				147.45

9.72.6 75x40x2.5 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0380	Details of cost for 10 nos. MATERIAL Brass butt hinges (light/ordinary type) : 75x40x2.5 mm	10 Nos	1.00	380.00	380.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of material	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
0114	Carpenter 1st class	day	0.14	784.00	109.76
	Beldar	day	0.10	645.00	64.50
	TOTAL				644.05 W
	Add 1 % Water charges on "W"				6.44
	TOTAL				650.49 X
	Add GST on "X" (multiplying factor 0.1405)				91.39
	TOTAL				741.88 Y
	Add 15% CPOH on "Y"				111.28
	TOTAL				853.16 Z
	Add Cess @ 1% on "Z"				8.53
	Cost for 10 nos.				861.70
	Cost of 1 no.				86.17
	Say				86.15

9.72.7 50x40x2.5 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0381	Details of cost for 10 nos. MATERIAL Brass butt hinges (light/ordinary type) : 50x40x2.5 mm				
0453	Brass screws 20 mm	10 Nos	1.00	155.00	155.00
9977	Carriage of material	100 Nos	0.40	95.00	38.00
	LABOUR	L.S.	1.82	2.12	3.86
0111	Carpenter 1st class	day	0.08	784.00	62.72
	TOTAL				259.58 W
	Add 1 % Water charges on "W"				2.60
	TOTAL				262.17 X
	Add GST on "X" (multiplying factor 0.1405)				36.84
	TOTAL				299.01 Y
	Add 15% CPOH on "Y"				44.85
	TOTAL				343.86 Z
	Add Cess @ 1% on "Z"				3.44
	Cost for 10 nos.				347.30
	Cost of 1 no.				34.73
	Say				34.75

9.73 Providing and fixing bright finished brass parliamentary hinges with necessary screws etc. complete :

9.73.1 150x125x27x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0385	Details of cost for 10 nos. MATERIAL Brass parliamentary hinges 150x125x27x5 mm	10 Nos	1.00	2610.00	2610.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
0114	Carpenter 1st class	day	0.14	784.00	109.76
	Beldar	day	0.14	645.00	90.30
	TOTAL				2951.85 W
	Add 1 % Water charges on "W"				29.52
	TOTAL				2981.37 X
	Add GST on "X" (multiplying factor 0.1405)				418.88
	TOTAL				3400.25 Y
	Add 15% CPOH on "Y"				510.04
	TOTAL				3910.29 Z
	Add Cess @ 1% on "Z"				39.10
	Cost of 10 nos.				3949.39
	Cost of 1 no				394.94
	Say				394.95

9.73.2 125x125x27x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0386	Details of cost for 10 nos.				
	MATERIAL				
0450	Brass parliamentary hinges				
9977	125x125x27x5 mm	10 Nos	1.00	2300.00	2300.00
	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
	Carriage of materials	L.S.	2.73	2.12	5.79
0111	LABOUR				
0114	Carpenter 1st class	day	0.14	784.00	109.76
	Beldar	day	0.14	645.00	90.30
	TOTAL				2641.85 W
	Add 1 % Water charges on "W"				26.42
	TOTAL				2668.27 X
	Add GST on "X" (multiplying factor 0.1405)				374.89
	TOTAL				3043.16 Y
	Add 15% CPOH on "Y"				456.47
	TOTAL				3499.63 Z
	Add Cess @ 1% on "Z"				35.00
	Cost of 10 nos.				3534.63
	Cost of 1 no				353.46
	Say				353.45

9.73.3 100x125x27x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0387	Details of cost for 10 nos.				
	MATERIAL				
0450	Brass parliamentary hinges				
9977	100x125x27x5 mm	10 Nos	1.00	2090.00	2090.00
	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
	Carriage of materials	L.S.	2.73	2.12	5.79
0111	LABOUR				
	Carpenter 1st class	day	0.14	784.00	109.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no Say	day	0.14	645.00	90.30 2431.85 W 24.32 2456.17 X 345.09 2801.26 Y 420.19 3221.45 Z 32.21 3253.66 325.37 325.35

9.73.4 75x100x20x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0388	Details of cost for 10 nos. MATERIAL Brass parliamentary hinges 75x100x20x3.2 mm	10 Nos	1.00	1870.00	1870.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of materials LABOUR	L.S.	2.73	2.12	5.79
0111	Carpenter 1st class	day	0.14	784.00	109.76
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no Say	day	0.14	645.00	90.30 2159.85 W 21.60 2181.45 X 306.49 2487.94 Y 373.19 2861.13 Z 28.61 2889.74 288.97 288.95

9.74 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :

9.74.1 250x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0400	Details of cost for 10 nos. MATERIAL Brass tower bolt (barrel type) 250x10 mm	each	10.00	257.00	2570.00
0451	Brass screws 30 mm	100 Nos	1.00	140.00	140.00
9977	Carriage of materials	L.S.	4.55	2.12	9.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no Say	day	0.10	784.00	78.40 2798.05 W 27.98 2826.03 X 397.06 3223.08 Y 483.46 3706.55 Z 37.07 3743.61 374.36 374.35

9.74.2 200x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0401	Details of cost for 10 nos.				
0451	MATERIAL				
9977	Brass tower bolt (barrel type) 200x10 mm	each	10.00	205.00	2050.00
0111	Brass screws 30 mm	100 Nos	0.80	140.00	112.00
	Carriage of materials	L.S.	2.73	2.12	5.79
	LABOUR				
	Carpenter 1st class	day	0.10	784.00	78.40
	TOTAL				2246.19 W
	Add 1 % Water charges on "W"				22.46
	TOTAL				2268.65 X
	Add GST on "X" (multiplying factor 0.1405)				318.75
	TOTAL				2587.39 Y
	Add 15% CPOH on "Y"				388.11
	TOTAL				2975.50 Z
	Add Cess @ 1% on "Z"				29.76
	Cost of 10 nos.				3005.26
	Cost of 1 no				300.53
	Say				300.55

9.74.3 150x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0402	Details of cost for 10 nos.				
0451	MATERIAL				
9977	Brass tower bolt (barrel type) 150x10 mm	each	10.00	154.00	1540.00
	Brass screws 30 mm	100 Nos	0.80	140.00	112.00
	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no Say	day	0.10	784.00	78.40 1736.19 W 17.36 1753.55 X 246.37 1999.92 Y 299.99 2299.91 Z 23.00 2322.91 232.29 232.30

9.74.4 100x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0403	Details of cost for 10 nos.				
0451	MATERIAL				
9977	Brass tower bolt (barrel type) 100x10 mm	each	10.00	103.00	1030.00
0111	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
	Carriage of materials	L.S.	2.73	2.12	5.79
	LABOUR				
	Carpenter 1st class	day	0.10	784.00	78.40
	TOTAL				1198.19 W
	Add 1 % Water charges on "W"				11.98
	TOTAL				1210.17 X
	Add GST on "X" (multiplying factor 0.1405)				170.03
	TOTAL				1380.20 Y
	Add 15% CPOH on "Y"				207.03
	TOTAL				1587.23 Z
	Add Cess @ 1% on "Z"				15.87
	Cost of 10 nos.				1603.10
	Cost of 1 no				160.31
	Say				160.30

9.75 Providing and fixing bright finished brass door latch with necessary screws etc. complete :

9.75.1 300x16x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0411	Details of cost for 10 nos.				
0452	MATERIAL				
9977	Brass door latch 300x16x5 mm (0.380 kg)	each	10.00	185.00	1850.00
	Brass screws 25 mm	100 Nos	0.90	100.00	90.00
	Carriage of materials	L.S.	3.64	2.12	7.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos. Cost of 1 no. Say	day	0.12	784.00	94.08 2041.80 W 20.42 2062.21 X 289.74 2351.96 Y 352.79 2704.75 Z 27.05 2731.80 273.18 273.20

9.75.2 250x16x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0412	Details of cost for 10 nos.				
0452	MATERIAL				
9977	Brass door latch 250x16x5 mm (0.350 kg)	each	10.00	175.00	1750.00
0111	Brass screws 25 mm	100 Nos	0.90	100.00	90.00
	Carriage of materials	L.S.	3.64	2.12	7.72
	LABOUR				
	Carpenter 1st class	day	0.12	784.00	94.08
	TOTAL				1941.80 W
	Add 1 % Water charges on "W"				19.42
	TOTAL				1961.21 X
	Add GST on "X" (multiplying factor 0.1405)				275.55
	TOTAL				2236.77 Y
	Add 15% CPOH on "Y"				335.51
	TOTAL				2572.28 Z
	Add Cess @ 1% on "Z"				25.72
	Cost of 10 nos.				2598.00
	Cost of 1 no.				259.80
	Say				259.80

9.76 Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0413	Details of cost for one No MATERIAL Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	1.00	400.00	400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111 9999	LABOUR Carpenter 1st class Sundries (screws, carriage etc.) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	day L.S.	0.17 3.64	784.00 2.12	133.28 7.72 541.00 W 5.41 546.41 X 76.77 623.18 Y 93.48 716.65 Z 7.17 723.82 723.80

9.77 Providing and fixing bright finished brass 100 mm mortice latch with one dead bolt and a pair of lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0414	Details of cost for one No MATERIAL Brass mortice latch 100x65mm with a pair of brass lever handles	each	1.00	310.00	310.00
0111 9999	LABOUR Carpenter 1st class Sundries (screws, carriage etc.) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	day L.S.	0.17 3.64	784.00 2.12	133.28 7.72 451.00 W 4.51 455.51 X 64.00 519.51 Y 77.93 597.43 Z 5.97 603.41 603.40

9.78 Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0438	Details of cost for one No MATERIAL Brass Night latch	each	1.00	610.00	610.00
0111	LABOUR Carpenter 1st class	day	0.17	784.00	133.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (screws, carriage etc.) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	L.S.	3.64	2.12	7.72 751.00 W 7.51 758.51 X 106.57 865.08 Y 129.76 994.84 Z 9.95 1004.79 1004.80

9.79 Providing and fixing special quality bright finished brass cupboard or wardrobe locks with four levers of approved quality including necessary screws etc. complete.

9.79.1 40 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2451	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 40 mm size LABOUR	each	1.00	57.00	57.00
0111	Carpenter 1st class	day	0.17	784.00	133.28
9999	Sundries & screws TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	L.S.	3.64	2.12	7.72 198.00 W 1.98 199.98 X 28.10 228.07 Y 34.21 262.28 Z 2.62 264.91 264.90

9.79.2 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2452	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 50 mm size	each	1.00	88.00	88.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111 9999	LABOUR Carpenter 1st class Sundries & screws TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	day L.S.	0.17 3.64	784.00 2.12	133.28 7.72 229.00 W 2.29 231.29 X 32.50 263.78 Y 39.57 303.35 Z 3.03 306.38 306.40

9.79.3 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2453	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 65 mm size	each	1.00	93.00	93.00
0111 9999	LABOUR Carpenter 1st class Sundries & screws TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	day L.S.	0.17 3.64	784.00 2.12	133.28 7.72 234.00 W 2.34 236.34 X 33.21 269.54 Y 40.43 309.97 Z 3.10 313.07 313.05

9.79.4 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2454	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 75 mm size	each	1.00	108.00	108.00
0111	LABOUR Carpenter 1st class	day	0.17	784.00	133.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries & screws TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	L.S.	3.64	2.12	7.72 249.00 W 2.49 251.49 X 35.33 286.82 Y 43.02 329.84 Z 3.30 333.14 333.15

9.80 Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0447	Details of cost for 10 nos. MATERIAL Brass cupboard knob or ward robe knob 50 mm	each	10.00	36.00	360.00
9977	Carriage of material LABOUR	L.S.	2.73	2.12	5.79
0111	Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.14	784.00	109.76 475.55 W 4.76 480.30 X 67.48 547.79 Y 82.17 629.95 Z 6.30 636.25 63.63 63.65

9.81 Providing and fixing bright finished brass handles with screws etc. complete:

9.81.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0408	Details of cost for 10 nos. MATERIAL Brass handles 125 mm with plate 175x32 mm	each	10.00	144.00	1440.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.06	784.00	47.04 1532.83 W 15.33 1548.16 X 217.52 1765.67 Y 264.85 2030.52 Z 20.31 2050.83 205.08 205.10

9.81.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0409	Details of cost for 10 nos. MATERIAL Brass handles 100 mm with plate 150x32 mm	each	10.00	133.00	1330.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	2.12	1.93
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.06	784.00	47.04 1418.97 W 14.19 1433.16 X 201.36 1634.52 Y 245.18 1879.70 Z 18.80 1898.49 189.85 189.85

9.81.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0410	Details of cost for 10 nos. MATERIAL Brass handles75 mm with plate 125x32 mm	each	10.00	103.00	1030.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	2.12	1.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.06	784.00	47.04 1118.97 W 11.19 1130.16 X 158.79 1288.95 Y 193.34 1482.29 Z 14.82 1497.11 149.71 149.70

9.82 Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2455	Details of cost for 10 hanging floor door stopper				
0452	MATERIAL				
9977	Brass hanging type door stopper 150 mm	each	10.00	77.00	770.00
0111	Brass screws 25 mm	100 Nos	0.20	100.00	20.00
	Carriage of material	L.S.	2.73	2.12	5.79
	LABOUR				
	Carpenter 1st class	day	0.03	784.00	23.52
	TOTAL				
	Add 1 % Water charges on "W"				819.31 W
	TOTAL				8.19
	Add GST on "X" (multiplying factor 0.1405)				827.50 X
	TOTAL				116.26
	Add 15% CPOH on "Y"				943.76 Y
	TOTAL				141.56
	Add Cess @ 1% on "Z"				1085.33 Z
	Cost of 10 nos				10.85
	Cost of 1 no				1096.18
	Say				109.62
					109.60

9.83 Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2456	Details of cost for 10 nos. MATERIAL Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete	each	10.00	686.00	6860.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0451	Brass screws 30 mm		100 Nos	0.60	140.00
9977	Carriage of material		L.S.	3.64	2.12
0112	LABOUR				7.72
	Carpenter 2nd class	day		714.00	714.00
	TOTAL				7665.72 W
	Add 1 % Water charges on "W"				76.66
	TOTAL				7742.37 X
	Add GST on "X" (multiplying factor 0.1405)				1087.80
	TOTAL				8830.18 Y
	Add 15% CPOH on "Y"				1324.53
	TOTAL				10154.70 Z
	Add Cess @ 1% on "Z"				101.55
	Cost of 10 nos				10256.25
	Cost of 1 no				1025.63
	Say				1025.65

9.84 Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISi, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7060	Details of cost for 10 nos. MATERIAL Hydraulic door closer tubular type				
0451	Aluminium section body	each	10.00	560.00	5600.00
9977	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
	Carriage of material	L.S.	1.04	2.12	2.20
0112	LABOUR				
	Carpenter 2nd class	day		714.00	714.00
	TOTAL				6400.20 W
	Add 1 % Water charges on "W"				64.00
	TOTAL				6464.21 X
	Add GST on "X" (multiplying factor 0.1405)				908.22
	TOTAL				7372.43 Y
	Add 15% CPOH on "Y"				1105.86
	TOTAL				8478.29 Z
	Add Cess @ 1% on "Z"				84.78
	Cost of 10 nos				8563.08
	Cost of 1 no				856.31
	Say				856.30

9.85 Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0423	Brass casement window fastener	Each	10.00	45.00	450.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	2.12	1.93
	LABOUR				
0111	Carpenter 1st class	day	0.10	784.00	78.40
	TOTAL				570.33 W
	Add 1 % Water charges on "W"				5.70
	TOTAL				576.03 X
	Add GST on "X" (multiplying factor 0.1405)				80.93
	TOTAL				656.97 Y
	Add 15% CPOH on "Y"				98.54
	TOTAL				755.51 Z
	Add Cess @ 1% on "Z"				7.56
	Cost of 10 nos				763.06
	Cost of 1 no				76.31
	Say				76.30

9.86 Providing and fixing bright finished brass casement stays (straight peg type) with necessary screws etc. complete :

9.86.1 300 mm weighing not less than 330 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	10.00	126.00	1260.00
0451	Brass screws 30 mm	100 Nos	0.40	140.00	56.00
9977	Carriage of material	L.S.	0.91	2.12	1.93
	LABOUR				
0111	Carpenter 1st class	day	0.10	784.00	78.40
	TOTAL				1396.33 W
	Add 1 % Water charges on "W"				13.96
	TOTAL				1410.29 X
	Add GST on "X" (multiplying factor 0.1405)				198.15
	TOTAL				1608.44 Y
	Add 15% CPOH on "Y"				241.27
	TOTAL				1849.70 Z
	Add Cess @ 1% on "Z"				18.50
	Cost of 10 nos				1868.20
	Cost of 1 no				186.82
	Say				186.80

9.86.2 250 mm weighing not less than 280 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0425	Details of cost for 10 nos. MATERIAL Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg				
0452	Brass screws 25 mm	each	10.00	100.00	1000.00
9977	Carriage of material	100 Nos	0.40	100.00	40.00
	LABOUR	L.S.	0.91	2.12	1.93
0111	Carpenter 1st class	day	0.10	784.00	78.40
	TOTAL				1120.33 W
	Add 1 % Water charges on "W"				11.20
	TOTAL				1131.53 X
	Add GST on "X" (multiplying factor 0.1405)				158.98
	TOTAL				1290.51 Y
	Add 15% CPOH on "Y"				193.58
	TOTAL				1484.09 Z
	Add Cess @ 1% on "Z"				14.84
	Cost of 10 nos				1498.93
	Cost of 1 no				149.89
	Say				149.90

9.86.3 200 mm weighing not less than 240 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0426	Details of cost for 10 nos. MATERIAL Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg				
0452	Brass screws 25 mm	each	10.00	95.00	950.00
9977	Carriage of material	100 Nos	0.40	100.00	40.00
	LABOUR	L.S.	0.91	2.12	1.93
0111	Carpenter 1st class	day	0.10	784.00	78.40
	TOTAL				1070.33 W
	Add 1 % Water charges on "W"				10.70
	TOTAL				1081.03 X
	Add GST on "X" (multiplying factor 0.1405)				151.89
	TOTAL				1232.92 Y
	Add 15% CPOH on "Y"				184.94
	TOTAL				1417.86 Z
	Add Cess @ 1% on "Z"				14.18
	Cost of 10 nos				1432.03
	Cost of 1 no				143.20
	Say				143.20

9.87 Providing and fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete :

9.87.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0431	Brass hasps and staples (safety type) 150 mm	10 Nos	1.00	740.00	740.00
0452	Brass screws 25 mm	100 Nos	0.80	100.00	80.00
9977	Carriage of material	L.S.	1.82	2.12	3.86
	LABOUR				
0111	Carpenter 1st class	day	0.08	784.00	62.72
	TOTAL				886.58 W
	Add 1 % Water charges on "W"				8.87
	TOTAL				895.44 X
	Add GST on "X" (multiplying factor 0.1405)				125.81
	TOTAL				1021.25 Y
	Add 15% CPOH on "Y"				153.19
	TOTAL				1174.44 Z
	Add Cess @ 1% on "Z"				11.74
	Cost of 10 nos				1186.19
	Cost of 1 no				118.62
	Say				118.60

9.87.2 115 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0432	Brass hasps and staples (safety type) 115 mm	10 Nos	1.00	670.00	670.00
0453	Brass screws 20 mm	100 Nos	0.70	95.00	66.50
9977	Carriage of material	L.S.	1.82	2.12	3.86
	LABOUR				
0111	Carpenter 1st class	day	0.08	784.00	62.72
	TOTAL				803.08 W
	Add 1 % Water charges on "W"				8.03
	TOTAL				811.11 X
	Add GST on "X" (multiplying factor 0.1405)				113.96
	TOTAL				925.07 Y
	Add 15% CPOH on "Y"				138.76
	TOTAL				1063.83 Z
	Add Cess @ 1% on "Z"				10.64
	Cost of 10 nos				1074.47
	Cost of 1 no				107.45
	Say				107.45

9.87.3 90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0433	Details of cost for 10 nos. MATERIAL Brass hasps and staples (safety type) 90 mm				
0453	Brass screws 20 mm	10 Nos	1.00	575.00	575.00
9977	Carriage of material	100 Nos	0.70	95.00	66.50
	LABOUR	L.S.	1.82	2.12	3.86
0111	Carpenter 1st class	day	0.08	784.00	62.72
	TOTAL				708.08 W
	Add 1 % Water charges on "W"				7.08
	TOTAL				715.16 X
	Add GST on "X" (multiplying factor 0.1405)				100.48
	TOTAL				815.64 Y
	Add 15% CPOH on "Y"				122.35
	TOTAL				937.98 Z
	Add Cess @ 1% on "Z"				9.38
	Cost of 10 nos				947.36
	Cost of 1 no				94.74
	Say				94.75

9.88 Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0558	Details of cost for one No MATERIAL Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles				
	LABOUR	each	1.00	470.00	470.00
0111	Carpenter 1st class	day	0.17	784.00	133.28
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.12	7.72
	TOTAL				611.00 W
	Add 1 % Water charges on "W"				6.11
	TOTAL				617.11 X
	Add GST on "X" (multiplying factor 0.1405)				86.70
	TOTAL				703.81 Y
	Add 15% CPOH on "Y"				105.57
	TOTAL				809.38 Z
	Add Cess @ 1% on "Z"				8.09
	Cost of 1 no				817.48
	Say				817.50

9.89 Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0583	Details of cost for one No MATERIAL Chromium plated Brass Night latch	each	1.00	500.00	500.00
0111 9999	LABOUR Carpenter 1st class Sundries (screws, carriage etc.)	day L.S.	0.17 3.64	784.00 2.12	133.28 7.72 641.00 W 6.41 647.41 X
	TOTAL Add 1 % Water charges on "W"				90.96
	TOTAL Add GST on "X" (multiplying factor 0.1405)				738.37 Y
	TOTAL Add 15% CPOH on "Y"				110.76
	TOTAL Add Cess @ 1% on "Z"				849.12 Z
	Cost of 1 no				8.49
	Say				857.61
					857.60

9.90 Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.

9.90.1 Size 40 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2468	Details of cost for one No MATERIAL Nickled Chromium Brass cupboard lock 40 mm size	each	1.00	63.00	63.00
0111 9999	LABOUR Carpenter 1st class Sundries & screws	day L.S.	0.17 3.64	784.00 2.12	133.28 7.72 204.00 W 2.04 206.04 X
	TOTAL Add 1 % Water charges on "W"				28.95
	TOTAL Add GST on "X" (multiplying factor 0.1405)				234.98 Y
	TOTAL Add 15% CPOH on "Y"				35.25
	TOTAL Add Cess @ 1% on "Z"				270.23 Z
	Cost of 1 no				2.70
	Say				272.94
					272.95

9.90.2 Size 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2469	Details of cost for one No MATERIAL Nickled Chromium Brass cupboard lock 50 mm size	each	1.00	73.00	73.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111 9999	LABOUR Carpenter 1st class Sundries & screws TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	day L.S.	0.17 3.64	784.00 2.12	133.28 7.72 214.00 W 2.14 216.14 X 30.37 246.50 Y 36.98 283.48 Z 2.83 286.31 286.30

9.90.3 Size 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2470	Details of cost for one No MATERIAL Nickled Chromium Brass cupboard lock 65 mm size	each	1.00	99.00	99.00
0111 9999	LABOUR Carpenter 1st class Sundries & screws TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	day L.S.	0.17 3.64	784.00 2.12	133.28 7.72 240.00 W 2.40 242.40 X 34.06 276.45 Y 41.47 317.92 Z 3.18 321.10 321.10

9.90.4 Size 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2471	Details of cost for one MATERIAL Nickled Chromium Brass cupboard lock 75 mm size	each	1.00	125.00	125.00
0111	LABOUR Carpenter 1st class	day	0.17	784.00	133.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries & screws TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 no Say	L.S.	3.64	2.12	7.72 266.00 W 2.66 268.66 X 37.75 306.40 Y 45.96 352.36 Z 3.52 355.89 355.90

9.91 Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0584	Details of cost for 10 nos. MATERIAL Chromium plated Brass Wardrobe Knobe 50 mm	each	10.00	80.00	800.00
9977	Carriage of material LABOUR	L.S.	2.73	2.12	5.79
0111	Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.14	784.00	109.76 915.55 W 9.16 924.70 X 129.92 1054.62 Y 158.19 1212.82 Z 12.13 1224.95 122.49 122.50

9.92 Providing and fixing chromium plated brass handles with necessary screws etc. complete:

9.92.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0555	Details of cost for 10 nos. MATERIAL Chromium plated Brass handles 125 mm with plate 175 x32 mm	each	10.00	160.00	1600.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.06	784.00	47.04 1692.83 W 16.93 1709.76 X 240.22 1949.98 Y 292.50 2242.47 Z 22.42 2264.90 226.49 226.50

9.92.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0556	Details of cost for 10 nos. MATERIAL Chromium plated Brass handles				
0452	100 mm with plate 150 x 32 mm	each	10.00	140.00	1400.00
9977	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
	Carriage of material	L.S.	0.91	2.12	1.93
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.06	784.00	47.04 1488.97 W 14.89 1503.86 X 211.29 1715.15 Y 257.27 1972.42 Z 19.72 1992.15 199.21 199.20

9.92.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0557	Details of cost for 10 nos. MATERIAL Chromium plated Brass handles 75mm with plate 125x32 mm	each	10.00	125.00	1250.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	2.12	1.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.06	784.00	47.04 1338.97 W 13.39 1352.36 X 190.01 1542.37 Y 231.35 1773.72 Z 17.74 1791.46 179.15 179.15

9.93 Providing and fixing chromium plated brass casement window fastener with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0568	Details of cost for 10 nos. MATERIAL Chromium plated brass casement window fastner	each	10.00	90.00	900.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of material	L.S.	0.91	2.12	1.93
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.10	784.00	78.40 1052.33 W 10.52 1062.85 X 149.33 1212.18 Y 181.83 1394.01 Z 13.94 1407.95 140.80 140.80

9.94 Providing and fixing chromium plated brass casement stays (straight peg type) with necessary screws etc. complete :

9.94.1 300 mm weighing not less than 330 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0569	Details of cost for 10 nos. MATERIAL Chromium plated Brass casement stays (straight peg type) 300 mmweighing not less than 0.33 kg	each	10.00	140.00	1400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0588	Chromium plated Brass screws 25 mm		100 Nos	0.40	180.00
9977	Carriage of material		L.S.	0.91	2.12
0111	LABOUR				
	Carpenter 1st class	day	0.10	784.00	78.40
	TOTAL				1552.33 W
	Add 1 % Water charges on "W"				15.52
	TOTAL				1567.85 X
	Add GST on "X" (multiplying factor 0.1405)				220.28
	TOTAL				1788.14 Y
	Add 15% CPOH on "Y"				268.22
	TOTAL				2056.36 Z
	Add Cess @ 1% on "Z"				20.56
	Cost of 10 nos				2076.92
	Cost of 1 no				207.69
	Say				207.70

9.94.2 250 mm weighing not less than 280 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0570	Details of cost for 10 nos. MATERIAL Chromium plated Brass casement stays (straight peg type) 250 mmweighing not less than 0.28 kg				
0588	Chromium plated Brass screws 25 mm	each	10.00	120.00	1200.00
9977	Carriage of material	100 Nos	0.40	180.00	72.00
0111	LABOUR	L.S.	0.91	2.12	1.93
	Carpenter 1st class	day	0.10	784.00	78.40
	TOTAL				1352.33 W
	Add 1 % Water charges on "W"				13.52
	TOTAL				1365.85 X
	Add GST on "X" (multiplying factor 0.1405)				191.90
	TOTAL				1557.75 Y
	Add 15% CPOH on "Y"				233.66
	TOTAL				1791.42 Z
	Add Cess @ 1% on "Z"				17.91
	Cost of 10 nos				1809.33
	Cost of 1 no				180.93
	Say				180.95

9.94.3 200 mm weighing not less than 240 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0571	Details of cost for 10 nos. MATERIAL Chromium plated Brass casement stays (straight peg type) 200 mmweighing not less than 0.24 kg	each	10.00	100.00	1000.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0588	Chromium plated Brass screws 25 mm		100 Nos	0.40	180.00
9977	Carriage of material	L.S.	0.91	2.12	1.93
0111	LABOUR Carpenter 1st class	day	0.10	784.00	78.40
	TOTAL				1152.33 W
	Add 1 % Water charges on "W"				11.52
	TOTAL				1163.85 X
	Add GST on "X" (multiplying factor 0.1405)				163.52
	TOTAL				1327.37 Y
	Add 15% CPOH on "Y"				199.11
	TOTAL				1526.48 Z
	Add Cess @ 1% on "Z"				15.26
	Cost of 10 nos				1541.74
	Cost of 1 no				154.17
	Say				154.15

9.95 Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:

9.95.1 125x75x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	1.00	560.00	560.00
0585	Chromium plated Brass screws 50 mm	100 Nos	1.00	300.00	300.00
9977	Carriage of materials	L.S.	3.64	2.12	7.72
0111	LABOUR Carpenter 1st class	day	0.14	784.00	109.76
0114	Beldar	day	0.09	645.00	58.05
	TOTAL				1035.53 W
	Add 1 % Water charges on "W"				10.36
	TOTAL				1045.88 X
	Add GST on "X" (multiplying factor 0.1405)				146.95
	TOTAL				1192.83 Y
	Add 15% CPOH on "Y"				178.92
	TOTAL				1371.75 Z
	Add Cess @ 1% on "Z"				13.72
	Cost of 10 nos.				1385.47
	Cost of 1 no.				138.55
	Say				138.55

9.95.2 125x63x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0688	Details of cost for 10 nos. MATERIAL Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	1.00	393.00	393.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0585	Chromium plated Brass screws 50 mm	100 Nos	1.00	300.00	300.00
9977	Carriage of materials	L.S.	3.64	2.12	7.72
0111	LABOUR				
0111	Carpenter 1st class	day	0.14	784.00	109.76
0114	Beldar	day	0.09	645.00	58.05
	TOTAL				868.53 W
	Add 1 % Water charges on "W"				8.69
	TOTAL				877.21 X
	Add GST on "X" (multiplying factor 0.1405)				123.25
	TOTAL				1000.46 Y
	Add 15% CPOH on "Y"				150.07
	TOTAL				1150.53 Z
	Add Cess @ 1% on "Z"				11.51
	Cost of 10 nos.				1162.03
	Cost of 1 no.				116.20
	Say				116.20

9.95.3 100x75x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	1.00	393.00	393.00
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	290.00	232.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0111	LABOUR				
0111	Carpenter 1st class	day	0.14	784.00	109.76
0114	Beldar	day	0.09	645.00	58.05
	TOTAL				798.60 W
	Add 1 % Water charges on "W"				7.99
	TOTAL				806.58 X
	Add GST on "X" (multiplying factor 0.1405)				113.32
	TOTAL				919.91 Y
	Add 15% CPOH on "Y"				137.99
	TOTAL				1057.89 Z
	Add Cess @ 1% on "Z"				10.58
	Cost of 10 nos.				1068.47
	Cost of 1 no.				106.85
	Say				106.85

9.95.4 100x63x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	1.00	324.00	324.00
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	290.00	232.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
0114	Carpenter 1st class	day	0.14	784.00	109.76
	Beldar	day	0.09	645.00	58.05
	TOTAL				729.60 W
	Add 1 % Water charges on "W"				7.30
	TOTAL				736.89 X
	Add GST on "X" (multiplying factor 0.1405)				103.53
	TOTAL				840.43 Y
	Add 15% CPOH on "Y"				126.06
	TOTAL				966.49 Z
	Add Cess @ 1% on "Z"				9.66
	Cost of 10 nos.				976.16
	Cost of 1 no.				97.62
	Say				97.60

9.95.5 100x63x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	1.00	270.00	270.00
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	290.00	232.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
	LABOUR				
0111	Carpenter 1st class	day	0.14	784.00	109.76
0114	Beldar	day	0.09	645.00	58.05
	TOTAL				675.60 W
	Add 1 % Water charges on "W"				6.76
	TOTAL				682.35 X
	Add GST on "X" (multiplying factor 0.1405)				95.87
	TOTAL				778.22 Y
	Add 15% CPOH on "Y"				116.73
	TOTAL				894.96 Z
	Add Cess @ 1% on "Z"				8.95
	Cost of 10 nos.				903.91
	Cost of 1 no.				90.39
	Say				90.40

9.95.6 75x63x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	1.00	275.00	275.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	240.00	144.00
9977	Carriage of materials	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
0114	Carpenter 1st class	day	0.14	784.00	109.76
	Beldar	day	0.09	645.00	58.05
	TOTAL				590.67 W
	Add 1 % Water charges on "W"				5.91
	TOTAL				596.58 X
	Add GST on "X" (multiplying factor 0.1405)				83.82
	TOTAL				680.39 Y
	Add 15% CPOH on "Y"				102.06
	TOTAL				782.45 Z
	Add Cess @ 1% on "Z"				7.82
	Cost of 10 nos.				790.28
	Cost of 1 no.				79.03
	Say				79.05

9.95.7 75x63x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0693	Details of cost for 10 nos.				
	MATERIAL				
0587	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	1.00	226.00	226.00
9977	Chromium plated Brass screws 30 mm	100 Nos	0.60	240.00	144.00
	Carriage of materials	L.S.	1.82	2.12	3.86
0111	LABOUR				
0114	Carpenter 1st class	day	0.14	784.00	109.76
	Beldar	day	0.09	645.00	58.05
	TOTAL				541.67 W
	Add 1 % Water charges on "W"				5.42
	TOTAL				547.09 X
	Add GST on "X" (multiplying factor 0.1405)				76.87
	TOTAL				623.95 Y
	Add 15% CPOH on "Y"				93.59
	TOTAL				717.54 Z
	Add Cess @ 1% on "Z"				7.18
	Cost of 10 nos.				724.72
	Cost of 1 no.				72.47
	Say				72.45

9.95.8 75x45x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0694	Details of cost for 10 nos.				
	MATERIAL				
0587	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	1.00	196.00	196.00
9977	Chromium plated Brass screws 30 mm	100 Nos	0.60	240.00	144.00
	Carriage of materials	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
0114	Carpenter 1st class	day	0.14	784.00	109.76
	Beldar	day	0.09	645.00	58.05
	TOTAL				511.67 W
	Add 1 % Water charges on "W"				5.12
	TOTAL				516.79 X
	Add GST on "X" (multiplying factor 0.1405)				72.61
	TOTAL				589.39 Y
	Add 15% CPOH on "Y"				88.41
	TOTAL				677.80 Z
	Add Cess @ 1% on "Z"				6.78
	Cost of 10 nos.				684.58
	Cost of 1 no.				68.46
	Say				68.45

9.96 Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :

9.96.1 300x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0696	Anodised Aluminium sliding door bolt 300x16 mm	each	10.00	147.00	1470.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of materials	L.S.	5.46	2.12	11.58
	LABOUR				
0111	Carpenter 1st class	day	0.50	784.00	392.00
	TOTAL				1945.58 W
	Add 1 % Water charges on "W"				19.46
	TOTAL				1965.03 X
	Add GST on "X" (multiplying factor 0.1405)				276.09
	TOTAL				2241.12 Y
	Add 15% CPOH on "Y"				336.17
	TOTAL				2577.29 Z
	Add Cess @ 1% on "Z"				25.77
	Cost of 10 nos				2603.06
	Cost of 1 no				260.31
	Say				260.30

9.96.2 250x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0697	Details of cost for 10 nos.				
	MATERIAL				
	Anodised Aluminium sliding door bolt 250x16 mm	each	10.00	128.00	1280.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0588	Chromium plated Brass screws 25 mm		100 Nos	0.40	180.00
9977	Carriage of materials		L.S.	5.46	2.12
0111	LABOUR				11.58
	Carpenter 1st class	day	0.50	784.00	392.00
	TOTAL				1755.58 W
	Add 1 % Water charges on "W"				17.56
	TOTAL				1773.13 X
	Add GST on "X" (multiplying factor 0.1405)				249.12
	TOTAL				2022.26 Y
	Add 15% CPOH on "Y"				303.34
	TOTAL				2325.59 Z
	Add Cess @ 1% on "Z"				23.26
	Cost of 10 nos				2348.85
	Cost of 1 no				234.89
	Say				234.90

9.97 Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :

9.97.1 300x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0698	Anodised Aluminium tower bolt (barrel type)300x10 mm		10 Nos	1.00	580.00
0587	Chromium plated Brass screws 30 mm		100 Nos	0.80	240.00
9977	Carriage of materials		L.S.	4.42	2.12
0111	LABOUR				9.37
	Carpenter 1st class	day	0.125	784.00	98.00
	TOTAL				879.37 W
	Add 1 % Water charges on "W"				8.79
	TOTAL				888.16 X
	Add GST on "X" (multiplying factor 0.1405)				124.79
	TOTAL				1012.95 Y
	Add 15% CPOH on "Y"				151.94
	TOTAL				1164.89 Z
	Add Cess @ 1% on "Z"				11.65
	Cost of 10 nos				1176.54
	Cost of 1 no				117.65
	Say				117.65

9.97.2 250x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0699	Details of cost for 10 nos.				
	MATERIAL				
	Anodised Aluminium tower bolt (barrel type)250x10 mm		10 Nos	1.00	481.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0587	Chromium plated Brass screws 30 mm		100 Nos	0.80	240.00
9977	Carriage of materials	L.S.	4.42	2.12	9.37
0111	LABOUR Carpenter 1st class	day	0.125	784.00	98.00
	TOTAL				780.37 W
	Add 1 % Water charges on "W"				7.80
	TOTAL				788.17 X
	Add GST on "X" (multiplying factor 0.1405)				110.74
	TOTAL				898.91 Y
	Add 15% CPOH on "Y"				134.84
	TOTAL				1033.75 Z
	Add Cess @ 1% on "Z"				10.34
	Cost of 10 nos				1044.09
	Cost of 1 no				104.41
	Say				104.40

9.97.3 200x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0700	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 Nos	1.00	383.00	383.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	240.00	192.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0111	LABOUR Carpenter 1st class	day	0.125	784.00	98.00
	TOTAL				678.79 W
	Add 1 % Water charges on "W"				6.79
	TOTAL				685.58 X
	Add GST on "X" (multiplying factor 0.1405)				96.32
	TOTAL				781.90 Y
	Add 15% CPOH on "Y"				117.28
	TOTAL				899.18 Z
	Add Cess @ 1% on "Z"				8.99
	Cost of 10 nos				908.18
	Cost of 1 no				90.82
	Say				90.80

9.97.4 150x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0701	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 Nos	1.00	304.00	304.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	240.00	192.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.08	784.00	62.72 564.51 W 5.65 570.15 X 80.11 650.26 Y 97.54 747.80 Z 7.48 755.28 75.53 75.55

9.97.5 100x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0702	Details of cost for 10 nos. MATERIAL Anodised Aluminium tower bolt (barrel type)100x10 mm	10 Nos	1.00	226.00	226.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	240.00	144.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.08	784.00	62.72 438.51 W 4.39 442.89 X 62.23 505.12 Y 75.77 580.89 Z 5.81 586.70 58.67 58.65

9.98 Providing and fixing aluminium pull bolt lock, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2464	Details of cost for 10 pull bolt lock MATERIAL Anodised Aluminium pull bolt lock (locking bolt) of size 85 mmx42 mm with screws,bolts,nuts and washers complete	each	10.00	48.00	480.00
9977	Carriage of materials	L.S.	6.37	2.12	13.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.25	714.00	178.50 672.00 W 6.72 678.72 X 95.36 774.09 Y 116.11 890.20 Z 8.90 899.10 89.91 89.90

9.99 Providing and fixing 50 cm long aluminium kicking plate of size 100x3.15 mm, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0706	Details of cost for 10 nos. MATERIAL Anodised Aluminium kicking plate 50 cm long100x3.15 mm	each	10.00	142.00	1420.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of materials	L.S.	5.46	2.12	11.58
0111	LABOUR Carpenter 1st class	day	0.07	784.00	54.88
0114	Beldar TOTAL Add 1 % Water charges on "W"	day	0.05	645.00	32.25 1590.71 W 15.91
	TOTAL Add GST on "X" (multiplying factor 0.1405)				1606.61 X 225.73
	TOTAL Add 15% CPOH on "Y"				1832.34 Y 274.85
	TOTAL Add Cess @ 1% on "Z"				2107.19 Z 21.07
	Cost of 10 nos				2128.26
	Cost of 1 no				212.83
	Say				212.85

9.100 Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :

9.100.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0703	Details of cost for 10 nos. MATERIAL Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 Nos	1.00	324.00	324.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0588	Chromium plated Brass screws 25 mm		100 Nos	0.40	180.00
9977	Carriage of materials		L.S.	2.73	2.12
0111	LABOUR				72.00
	Carpenter 1st class	day	0.06	784.00	5.79
	TOTAL				47.04
	Add 1 % Water charges on "W"				448.83 W
	TOTAL				4.49
	Add GST on "X" (multiplying factor 0.1405)				453.32 X
	TOTAL				63.69
	Add 15% CPOH on "Y"				517.01 Y
	TOTAL				77.55
	Add Cess @ 1% on "Z"				594.56 Z
	Cost of 10 nos				5.95
	Cost of 1 no				600.50
	Say				60.05
					60.05

9.100.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0704	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10 Nos	1.00	275.00	275.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of materials	L.S.	1.82	2.12	3.86
0111	LABOUR	day	0.06	784.00	47.04
	Carpenter 1st class				397.90 W
	TOTAL				3.98
	Add 1 % Water charges on "W"				401.88 X
	TOTAL				56.46
	Add GST on "X" (multiplying factor 0.1405)				458.34 Y
	TOTAL				68.75
	Add 15% CPOH on "Y"				527.09 Z
	TOTAL				5.27
	Add Cess @ 1% on "Z"				532.36
	Cost of 10 nos				53.24
	Cost of 1 no				53.25
	Say				

9.100.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0705	Anodised Aluminium handles 75mm with plate 125 x 32 mm	10 Nos	1.00	231.00	231.00
0589	Chromium plated Brass screws 20 mm	100 Nos	0.40	160.00	64.00
9977	Carriage of materials	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.06	784.00	47.04 345.90 W 3.46 349.36 X 49.08 398.44 Y 59.77 458.21 Z 4.58 462.79 46.28 46.30

9.101 Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.

9.101.1 Single rubber stopper

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2459	Details of cost for 10 nos. MATERIAL Anodised Aluminium hanging type door stopper	each	10.00	20.00	200.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.20	180.00	36.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.03	784.00	23.52 265.31 W 2.65 267.96 X 37.65 305.61 Y 45.84 351.45 Z 3.51 354.97 35.50 35.50

9.101.2 Twin rubber stopper

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7059	Details of cost for 10 nos. MATERIAL Aluminium hanging floor door stopper with twin rubber & stopper	each	10.00	40.00	400.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.20	180.00	36.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.03	784.00	23.52 465.31 W 4.65 469.96 X 66.03 535.99 Y 80.40 616.39 Z 6.16 622.55 62.26 62.25

9.102 Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2465	Details of cost for 10 nos. MATERIAL Anodised Aluminium Casement stay 250 mm	each	10.00	33.00	330.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of materials	L.S.	0.91	2.12	1.93
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.10	784.00	78.40 482.33 W 4.82 487.15 X 68.44 555.60 Y 83.34 638.94 Z 6.39 645.33 64.53 64.55

9.103 Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7001	Details of cost for 1 lock MATERIAL Brass 100mm mortice latch and lock with 6 levers without pair of handles	each	1.00	195.00	195.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7003	Pair of Anodised Aluminium lever handles for 100mm mortice latch and lock	each	1.00	215.00	215.00
0111	LABOUR	day	0.17	784.00	133.28
9988	Carpenter 1st class	L.S.	4.55	2.12	9.65
	Sundries including carriage of materials				552.93 W
	TOTAL				5.53
	Add 1 % Water charges on "W"				558.46 X
	TOTAL				78.46
	Add GST on "X" (multiplying factor 0.1405)				636.92 Y
	TOTAL				95.54
	Add 15% CPOH on "Y"				732.46 Z
	TOTAL				7.32
	Add Cess @ 1% on "Z"				739.78
	Cost of 1 lock				739.80
	Say				

9.104 Providing and fixing aluminium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7056	Details of cost for 2m long MATERIAL				
	Aluminium tee channel (heavy duty) with rollers and stop end	metre	2.00	100.00	200.00
9999	LABOUR	L.S.	2.73	2.12	5.79
9999	Sundries	L.S.	1.43	2.12	3.03
	TOTAL				208.82 W
	Add 1 % Water charges on "W"				2.09
	TOTAL				210.91 X
	Add GST on "X" (multiplying factor 0.1405)				29.63
	TOTAL				240.54 Y
	Add 15% CPOH on "Y"				36.08
	TOTAL				276.62 Z
	Add Cess @ 1% on "Z"				2.77
	Cost of 2 metre				279.39
	Cost of 1 metre				139.69
	Say				139.70

9.105 Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm diameter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts

and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacturer's specification and direction of engineer in charge all complete.

- 9.105.1 75 mm overall thickness partition with 12.5 mm thick double skin fire rated Glass Reinforced Gypsum (GRG) plaster board conforming to IS: 2095: part 3 (Board with BIS certification marks)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7366	Details of cost for 6.00x3.65m = 21.90 sqm (Partition Panel) MATERIAL Glass reinforced Gypsum (GRG) plaster board 12.5 mm thick confirming to IS 2095 (Part 3):1996 2x6.00x3.65=43.80sqm	sqm	43.80	240.00	10512.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 50mm floor and ceiling channel 2x6.00 =12m	metre	12.00	60.00	720.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm 48mm stud-72x34x36x0.5mm (6.00/0.61)+1 = 11x3.65 = 40.15m	metre	40.15	70.00	2810.50
7020	All drive screws (for gypsum board) [(3.65/0.30)+1]x11x2 = 308 [(6.00/0.30)+1]x2x2=84 Total = 392	100 Nos	3.92	58.00	227.36
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt [(6.00/0.61)+1]x2=22	each	22.00	10.00	220.00
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	22.00	396.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	5.00	96.35
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	75.00	361.50
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	90.00	52.56
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	70.00	551.60
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots 11x2x2=44	10 Nos	4.40	38.00	167.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1211	G.I. plain washer for seam bolts		100 Nos	0.44	32.00
9977	Sundries carriage		L.S.	52.00	2.12
9999	Sundries scaffolding		L.S.	130.00	2.12
	Labour for 21.90 sqm.				275.60
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	784.00	5150.88
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	714.00	2032.76
0131	Painter 0.05x21.90=1.095	day	1.095	714.00	781.83
0114	Beldar 0.35x21.90=7.665	day	7.665	645.00	4943.93
	TOTAL				29424.38 W
	Add 1 % Water charges on "W"				294.24
	TOTAL				29718.63 X
	Add GST on "X" (multiplying factor 0.1405)				4175.47
	TOTAL				33894.09 Y
	Add 15% CPOH on "Y"				5084.11
	TOTAL				38978.21 Z
	Add Cess @ 1% on "Z"				389.78
	Cost for 21.90 sqm				39367.99
	Cost for 1 sqm.				1797.63
	Say				1797.65

9.105.2 75mm overall thickness partition with 12.5 mm thick double skin tapered edged plain Gypsum plaster board conforming to IS: 2095: (part I): 2011 (Board with BIS certification marks)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7009	Details of cost for 6.00x3.65m = 21.90 sqm (Partition Panel) MATERIAL 12.5 mm thick tapered edge gypsum plain board confirming to IS 2095 (Part 1):2011 2x6.00x3.65=43.80sqm				
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 50mm floor and ceiling channel 2x6.00 =12m	sqm	43.80	140.00	6132.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm 48mm stud-72x34x36x0.5mm (6.00/0.61)+1 = 11x3.65 = 40.15m All drive screws (for gypsum board) [(3.65/0.30)+1]x11x2 = 308 [(6.00/0.30)+1]x2x2=84 Total = 392	metre	12.00	60.00	720.00
7020		metre	40.15	70.00	2810.50
		100 Nos	3.92	58.00	227.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt [(6.00/0.61)+1]x2=22	each	22.00	10.00	220.00
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	22.00	396.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	5.00	96.35
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	75.00	361.50
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	90.00	52.56
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	70.00	551.60
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots 11x2x2=44	10 Nos	4.40	38.00	167.20
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08
9977	Sundries carriage	L.S.	52.00	2.12	110.24
9999	Sundries scaffolding Labour for 21.90 sqm.	L.S.	130.00	2.12	275.60
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	784.00	5150.88
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	714.00	2032.76
0131	Painter 0.05x21.90=1.095	day	1.095	714.00	781.83
0114	Beldar 0.35x21.90=7.665 TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 21.90 sqm Cost for 1 sqm. Say	day	7.665	645.00	4943.93
					25044.38 W
					250.44
					25294.83 X
					3553.92
					28848.75 Y
					4327.31
					33176.06 Z
					331.76
					33507.82
					1530.04
					1530.05

9.105.3 66mm overall thickness Partition with 8mm thick double skin Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq.cm, Bending Strength 100 kg./ sq.cm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8699	Details of cost for 6.00x3.65 = 21.9 sqm (Partition Panel) MATERIAL 8 mm thick tapered edge calcium silicate board . 2x6.00x3.65=43.80sqm	sqm	43.80	270.00	11826.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 50mm floor and ceiling channel 2x6.00 =12m	metre	12.00	60.00	720.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm 48mm stud-72x34x36x0.5mm $(6.00/0.61)+1 = 11 \times 3.65 = 40.15\text{m}$	metre	40.15	70.00	2810.50
7020	All drive screws (for gypsum board) $[(3.65/0.30)+1] \times 11 \times 2 = 308$ $[(6.00/0.30)+1] \times 2 \times 2 = 84$ Total = 392	100 Nos	3.92	58.00	227.36
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt $[(6.00/0.61)+1] \times 2 = 22$	each	22.00	10.00	220.00
7048	Rawl plug 50 mm (designation 10 no.) $[(3.65/0.45)+1] \times 2 = 18$	each	18.00	22.00	396.00
0869	Plaster of Paris $(88/100) \times 21.9 = 19.27$	kilogram	19.27	5.00	96.35
0763	Glue $(22/100) \times 21.90 = 4.82$	kilogram	4.82	75.00	361.50
7018	Joint tape roll (120m roll) $(300/100) \times 21.90 / 120 = 0.584$ Nos	roll	0.584	90.00	52.56
7021	Primer (for gypsum board) $(36/100) \times 21.90 = 7.88$ litre	litre	7.88	70.00	551.60
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots $11 \times 2 \times 2 = 44$	10 Nos	4.40	38.00	167.20
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08
9977	Sundries carriage	L.S.	52.00	2.12	110.24
9999	Sundries scaffolding Labour for 21.90 sqm.	L.S.	130.00	2.12	275.60
0111	Carpenter 1st class $0.3 \times 21.90 = 6.57$	day	6.57	784.00	5150.88
0112	Carpenter 2nd class $0.13 \times 21.90 = 2.847$	day	2.847	714.00	2032.76
0131	Painter $0.05 \times 21.90 = 1.095$	day	1.095	714.00	781.83
0114	Beldar $0.35 \times 21.90 = 7.665$ TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 21.90 sqm Cost for 1 sqm. Say				30738.38 W 307.38 31045.77 X 4361.93 35407.70 Y 5311.15 40718.85 Z 407.19 41126.04 1877.90 1877.90

9.105.4 66mm overall thickness partition using 8mm thick double skin multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (High pressure steam cured) as per IS : 14862 with suitable fibre cement screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0237	Details of cost for $6.00 \times 3.65 = 21.9$ sqm (Partition Panel) MATERIAL Multi purpose fibre (high impact poly propylene reinforced) cement board 8mm thick. $2 \times 6.00 \times 3.65 = 43.80$ sqm	sqm	43.80	220.00	9636.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 50mm floor and ceiling channel $2 \times 6.00 = 12$ m	metre	12.00	60.00	720.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm 48mm stud-72x34x36x0.5mm $(6.00/0.61)+1 = 11 \times 3.65 = 40.15$ m	metre	40.15	70.00	2810.50
7020	All drive screws (for gypsum board) $[(3.65/0.30)+1] \times 11 \times 2 = 308$ $[(6.00/0.30)+1] \times 2 \times 2 = 84$ Total = 392	100 Nos	3.92	58.00	227.36
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt $[(6.00/0.61)+1] \times 2 = 22$	each	22.00	10.00	220.00
7048	Rawl plug 50 mm (designation 10 no.) $[(3.65/0.45)+1] \times 2 = 18$	each	18.00	22.00	396.00
0869	Plaster of Paris $(88/100) \times 21.9 = 19.27$	kilogram	19.27	5.00	96.35
0763	Glue $(22/100) \times 21.90 = 4.82$	kilogram	4.82	75.00	361.50
7018	Joint tape roll (120m roll) $(300/100) \times 21.90 / 120 = 0.584$ Nos	roll	0.584	90.00	52.56
7021	Primer (for gypsum board) $(36/100) \times 21.90 = 7.88$ litre	litre	7.88	70.00	551.60
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots $11 \times 2 \times 2 = 44$	10 Nos	4.40	38.00	167.20
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08
9977	Sundries carriage	L.S.	52.00	2.12	110.24
9999	Sundries scaffolding Labour for 21.90 sqm.	L.S.	130.00	2.12	275.60
0111	Carpenter 1st class $0.3 \times 21.90 = 6.57$	day	6.57	784.00	5150.88
0112	Carpenter 2nd class $0.13 \times 21.90 = 2.847$	day	2.847	714.00	2032.76
0131	Painter $0.05 \times 21.90 = 1.095$	day	1.095	714.00	781.83

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar 0.35x21.90=7.665 TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 21.90 sqm Cost for 1 sqm. Say	day	7.665	645.00	4943.93 28548.38 W 285.48 28833.87 X 4051.16 32885.03 Y 4932.75 37817.78 Z 378.18 38195.96 1744.11 1744.10

9.105.5 66 mm overall thickness partition using 8 mm thick double skin multipurpose cement bonded wood particle board manufactured as per IS: 14276 with suitable cement bonded board screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0243	Details of cost for 21.90 sqm MATERIAL: Multipurpose cement bonded wood particle board 8 mm thick	sqm	43.80	215.00	9417.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 2x6.00 =12m	metre	12.00	60.00	720.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm $(6.00/0.61)+1 = 11 \times 3.65 = 40.15\text{m}$	metre	40.15	70.00	2810.50
7020	All drive screws (for gypsum board) $[(3.65/0.30)+1] \times 11 \times 2 = 308$ $[(6.00/0.30)+1] \times 2 \times 2 = 84$ Total = 392	100 nos	3.92	58.00	227.36
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt $[(6.00/0.61)+1] \times 2 = 22$	each	22.00	10.00	220.00
7048	Rawl plug 50 mm (designation 10 nos) $[(3.65/0.45)+1] \times 2 = 18$	each	18.00	22.00	396.00
0869	Plaster of Paris $(88/100) \times 21.9 = 19.27$	kg	19.27	5.00	96.35
0763	Glue $(22/100) \times 21.90 = 4.82$	kg	4.82	75.00	361.50
7018	Joint tape roll (120m roll) $(300/100) \times 21.90 / 120 = 0.584$ No	roll	0.584	90.00	52.56
7021	Primer (for gypsum board (36/100x21.90 = 7.88 litre	litre	7.88	70.00	551.60
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots $11 \times 2 \times 2 = 44$ nos=4.40 tens	10 Nos	4.40	38.00	167.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1211	G.I. plain washer for seam bolts =0 .44 hundreds	100 Nos	0.44	32.00	14.08
9999	Sundries carriage	L.S	52.00	2.12	110.24
9999	Sundries scaffolding	L.S	130.00	2.12	275.60
	Labour for 21.90 sqm.				
0111	Carpenter 1 st class 0.3x21.90	day	6.57	784.00	5150.88
0112	Carpenter 2nd class 0.13x21.90	day	2.847	714.00	2032.76
0131	Painter 0.05x21.90	day	1.095	714.00	781.83
0114	Beldar 0.35x21.90	day	7.665	645.00	4943.93
	TOTAL				28329.38 W
	Add 1 % Water charges on "W"				283.29
	TOTAL				28612.68 X
	Add GST on "X" (multiplying factor 0.1405)				4020.08
	TOTAL				32632.76 Y
	Add 15% CPOH on "Y"				4894.91
	TOTAL				37527.67 Z
	Add Cess @ 1% on "Z"				375.28
	Cost of 21.90 sqm				37902.95
	Cost of 1 sqm				1730.73
	Say				1730.75

**9.106 Providing and fixing PTMT handles with necessary screws etc. complete.
9.106.1 125x34x24 mm weighing not less than 23 gms**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7512	PTMT handle 125x34x24mm	each	10.00	20.00	200.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.40	40.00	16.00
	Carriage of materials	L.S.	2.73	2.12	5.79
	LABOUR				
9977	Carpenter 2nd class	day	0.06	714.00	42.84
0112	TOTAL				264.63 W
	Add 1 % Water charges on "W"				2.65
	TOTAL				267.27 X
	Add GST on "X" (multiplying factor 0.1405)				37.55
	TOTAL				304.83 Y
	Add 15% CPOH on "Y"				45.72
	TOTAL				350.55 Z
	Add Cess @ 1% on "Z"				3.51
	Cost of 10 Nos				354.06
	Cost of 1 No				35.41
	Say				35.40

9.106.2 150x34x24 mm weighing not less than 26 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7513	PTMT handle 150x34x24mm	each	10.00	20.00	200.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.40	40.00	16.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
	LABOUR				
0112	Carpenter 2nd class	day	0.06	714.00	42.84
	TOTAL				264.63 W
	Add 1 % Water charges on "W"				2.65
	TOTAL				267.27 X
	Add GST on "X" (multiplying factor 0.1405)				37.55
	TOTAL				304.83 Y
	Add 15% CPOH on "Y"				45.72
	TOTAL				350.55 Z
	Add Cess @ 1% on "Z"				3.51
	Cost of 10 Nos				354.06
	Cost of 1 No				35.41
	Say				35.40

9.107 Providing and fixing PTMT Butt hinges with necessary screws etc. complete.

9.107.1 75x60x10 mm fitted with 5.5 mm dia M.S. Bright Bar Rod weighing not less than 34 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7514	PTMT butt hinges 75x60x10mm	each	10.00	29.00	290.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	45.00	27.00
9977	Carriage of materials	L.S.	1.82	2.12	3.86
	LABOUR				
0112	Carpenter 2nd class	day	0.14	714.00	99.96
0114	Beldar	day	0.09	645.00	58.05
	TOTAL				478.87 W
	Add 1 % Water charges on "W"				4.79
	TOTAL				483.66 X
	Add GST on "X" (multiplying factor 0.1405)				67.95
	TOTAL				551.61 Y
	Add 15% CPOH on "Y"				82.74
	TOTAL				634.35 Z
	Add Cess @ 1% on "Z"				6.34
	Cost of 10 Nos				640.70
	Cost of 1 No				64.07
	Say				64.05

9.107.2 100x75x10 mm fitted with 5.5 mm dia MS Bright Bar Rod weighing not less than 53 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7515	PTMT butt hinges 100x75x10mm	each	10.00	36.00	360.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	60.00	48.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
	LABOUR				
0112	Carpenter 2nd class	day	0.14	714.00	99.96
0114	Beldar	day	0.09	645.00	58.05
	TOTAL				571.80 W
	Add 1 % Water charges on "W"				5.72
	TOTAL				577.52 X
	Add GST on "X" (multiplying factor 0.1405)				81.14
	TOTAL				658.66 Y
	Add 15% CPOH on "Y"				98.80
	TOTAL				757.45 Z
	Add Cess @ 1% on "Z"				7.57
	Cost of 10 Nos				765.03
	Cost of 1 No				76.50
	Say				76.50

9.108 Providing and fixing PTMT Tower Bolts with 12 mm one piece rod inside and necessary screws etc., complete.

9.108.1 152x42x18 mm weighing not less than 60 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7516	PTMT Tower bolt 152x42x18mm	each	10.00	35.00	350.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	45.00	27.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
	LABOUR				
0112	Carpenter 2nd class	day	0.08	714.00	57.12
	TOTAL				439.91 W
	Add 1 % Water charges on "W"				4.40
	TOTAL				444.31 X
	Add GST on "X" (multiplying factor 0.1405)				62.43
	TOTAL				506.73 Y
	Add 15% CPOH on "Y"				76.01
	TOTAL				582.74 Z
	Add Cess @ 1% on "Z"				5.83
	Cost of 10 Nos				588.57
	Cost of 1 No				58.86
	Say				58.85

9.108.2 202x42x18 mm weighing not less than 78 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7517	Details of cost for ten Nos.				
0638	MATERIAL				
	PTMT Tower bolt 202x42x18mm	each	10.00	58.00	580.00
	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.80	45.00	36.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
	Carpenter 2nd class	day	0.10	714.00	71.40
	TOTAL				693.19 W
	Add 1 % Water charges on "W"				6.93
	TOTAL				700.12 X
	Add GST on "X" (multiplying factor 0.1405)				98.37
	TOTAL				798.49 Y
	Add 15% CPOH on "Y"				119.77
	TOTAL				918.26 Z
	Add Cess @ 1% on "Z"				9.18
	Cost of 10 Nos				927.44
	Cost of 1 No				92.74
	Say				92.75

9.109 Providing and fixing PTMT door catcher of length 72 mm and dia. of 42 mm with suitable washers weighing not less than 33 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7518	Details of cost for ten Nos.				
0639	MATERIAL				
	PTMT door catcher 72x42mm	each	10.00	22.00	220.00
	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.20	40.00	8.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0111	LABOUR				
	Carpenter 1st class	day	0.03	784.00	23.52
	TOTAL				257.31 W
	Add 1 % Water charges on "W"				2.57
	TOTAL				259.88 X
	Add GST on "X" (multiplying factor 0.1405)				36.51
	TOTAL				296.39 Y
	Add 15% CPOH on "Y"				44.46
	TOTAL				340.85 Z
	Add Cess @ 1% on "Z"				3.41
	Cost of 10 Nos				344.26
	Cost of 1 No				34.43
	Say				34.45

9.110 Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hollock wood in scantling of section 50X25 mm, fixed with nails and G.I wire on existing support complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a bamboo jaffery of size 1.00m x 2.10m = 2.10 sqm MATERIAL Bamboo 25mm of 100/ 2.50 = 40 nos Half cut off = 40/2 .=20 nos. x 2.10 = 42.00m Add wastage @ 15% = 6.30 m Total = 48.30m Rate of Bamboo 25 mm dia 2.5 metre long for one score i.e. 20nos is Rs. 192 for 48.30m qty 48.30 / (2.5 x 20) = 0.966				
0305	Bamboo 25 mm dia 2.5 metre long	score	0.966	400.00	386.40
9977	Carriage of Bamboo	L.S.	4.83	2.12	10.24
2466	Hollock wood in scantling 3 nos. (1.00 x 0.05 x 0.05) = 0.00375 cum Add wastage @ 5% = 0.00019 cum Total = 0.00394 cum or 3.94 cudm	10 cudm	0.394	357.00	140.66
2204	Carriage of Timber	cum	0.00394	187.35	0.74
9999	Nails and wire	L.S.	20.25	2.12	42.93
	LABOUR				
0112	Carpenter 2nd class	day	0.25	714.00	178.50
0114	Beldar	day	0.25	645.00	161.25
9999	Sundries	L.S.	10.05	2.12	21.31
	TOTAL				942.02 W
	Add 1 % Water charges on "W"				9.42
	TOTAL				951.44 X
	Add GST on "X" (multiplying factor 0.1405)				133.68
	TOTAL				1085.12 Y
	Add 15% CPOH on "Y"				162.77
	TOTAL				1247.89 Z
	Add Cess @ 1% on "Z"				12.48
	Cost for 2.10 sqm				1260.37
	Cost for 1 sqm				600.17
	Say				600.15

9.111 Providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood.

9.111.1 50x50 mm (base and height)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading = 5.00 m MATERIAL Teak wood 2nd class in planks 500 x 5 x 5 mm / 2 = 0.000625 cum + Add wastage @ 10% = 0.00063. Total = 0.00688 cum say 6.88 cudm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Second class teak wood in planks				
2204	Carriage of Timber	10 cu dm cum	0.688 0.00688	791.00 187.35	544.21 1.29
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.06	60.00	3.60
13.50.1	Priming coat				
	Area $5.0 \times (.05 + .05) = 0.50$ sqm				
	Rate as per item no 13.50.1 of SH : Finishing	sqm	0.50	61.45	30.73 A
0111	LABOUR				
	For plaining, fixing & making design	day	0.75	784.00	588.00
	Carpenter 1st class				1167.82 W
	TOTAL				11.37
	Add 1 % Water charges on "W-A"				1179.19 X
	TOTAL				
	Add GST on "X-A" (multiplying factor 0.1405)				161.36
	TOTAL				1340.55 Y
	Add 15% CPOH on "Y-A"				196.47
	TOTAL				1537.03 Z
	Add Cess @ 1% on "Z-A"				15.06
	Cost for 5 metre				1552.09
	Cost for 1 metre				310.42
	Say				310.40

9.112 Providing and fixing 2nd class teak wood lipping/ moulded beading or taj beading of size 18X5 mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8719	Details of cost for 10.00 m MATERIAL				
	2nd class teak wood lipping/ moulded beadibg or Taj beading of size 18X5mm	metre	10.00	30.00	300.00
0112	LABOUR				
0114	Carpenter 2nd class	day	0.25	714.00	178.50
	Beldar	day	0.25	645.00	161.25
	TOTAL				639.75 W
	Add 1 % Water charges on "W"				6.40
	TOTAL				646.15 X
	Add GST on "X" (multiplying factor 0.1405)				90.78
	TOTAL				736.93 Y
	Add 15% CPOH on "Y"				110.54
	TOTAL				847.47 Z
	Add Cess @ 1% on "Z"				8.47
	Cost for 10 metre				855.95
	Cost for 1 metre				85.59
	Say				85.60

9.113 Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8716	Details of cost for 1 no. 100 mm mortice lock with 6 levers for aluminium door.	each	1.00	432.00	432.00
0111	LABOUR	day	0.13	784.00	101.92
9999	Carpenter 1st class Sundries(screws, carriage etc)	L.S.	2.60	2.12	5.51
	TOTAL				539.43 W
	Add 1 % Water charges on "W"				5.39
	TOTAL				544.83 X
	Add GST on "X" (multiplying factor 0.1405)				76.55
	TOTAL				621.37 Y
	Add 15% CPOH on "Y"				93.21
	TOTAL				714.58 Z
	Add Cess @ 1% on "Z"				7.15
	Cost for 1 no				721.73
	Say				721.75

9.114 Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.

9.114.1 Triple strip vertical type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8714	Details of cost for 1 no.				
9999	MATERIAL				
	Magenatic catcher triple strip verticle type.	each	1.00	28.00	28.00
	Sundries including screws and fixing charges.	L.S.	2.60	2.12	5.51
	TOTAL				33.51 W
	Add 1 % Water charges on "W"				0.34
	TOTAL				33.85 X
	Add GST on "X" (multiplying factor 0.1405)				4.76
	TOTAL				38.60 Y
	Add 15% CPOH on "Y"				5.79
	TOTAL				44.39 Z
	Add Cess @ 1% on "Z"				0.44
	Cost for 1 No.				44.84
	Say				44.85

9.114.2 Double strip (horizontal type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8715	Details of cost for 1 no.				
	MATERIAL				
	Magenatic catcher double strip horizontal type.	each	1.00	20.00	20.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries including screws and fixing charges. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 No. Say	L.S.	2.60	2.12	5.51 25.51 W 0.26 25.77 X 3.62 29.39 Y 4.41 33.80 Z 0.34 34.13 34.15

9.115 Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8703	Details of cost for 10 sets. MATERIAL Telescopic drawer channels 300mm long .	set	10.00	240.00	2400.00
9977	CARRIAGE	L.S.	19.50	2.12	41.34
9999	Sundries including screws and fixing charges. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 sets Cost for 1 set Say	L.S.	100.10	2.12	212.21 2653.55 W 26.54 2680.09 X 376.55 3056.64 Y 458.50 3515.14 Z 35.15 3550.29 355.03 355.05

9.116 Providing and fixing sliding arrangement in racks/ cupboards/cabinets shutter by with stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E channel shall be made separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8704	Details of cost for 1 No. MATERIAL Stainless steel roller for sliding arrangement in racks/ cupboards/ cabinets shutter .	each	1.00	11.00	11.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Labour for fixing TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 No. Say	L.S.	1.04	2.12	2.20 13.20 W 0.13 13.34 X 1.87 15.21 Y 2.28 17.49 Z 0.17 17.67 17.65

9.117 Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1\text{mm}$), with wall thickness 2.0 mm ($\pm 0.2\text{ mm}$), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm ($\pm 0.1\text{ mm}$) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer- in-charge

9.117.1 Extruded section profile size 48x40 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8010	Detail of cost for 5 metre MATERIAL 48mmX40mmX1.5mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish LABOUR	metre	5.00	130.00	650.00
0156	Carpenter (average)	day	0.15	749.00	112.35
0114	Beldar	day	0.15	645.00	96.75
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 5 metre Cost for 1 metre Say	L.S.	4.68	2.12 123.32 1001.03 Y 150.15 1151.18 Z 11.51 1162.70 232.54 232.55	9.92 869.02 W 8.69 877.71 X

9.117.2 Extruded section profile size 42x50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8705	Detail of cost for 5 metre MATERIAL 50mmX42mmX2mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish LABOUR	metre	5.00	166.00	830.00
0156	Carpenter (average)	day	0.15	749.00	112.35
0114	Beldar	day	0.15	645.00	96.75
9999	Sundries	L.S.	4.68	2.12	9.92
	TOTAL				1049.02 W
	Add 1 % Water charges on "W"				10.49
	TOTAL				1059.51 X
	Add GST on "X" (multiplying factor 0.1405)				148.86
	TOTAL				1208.37 Y
	Add 15% CPOH on "Y"				181.26
	TOTAL				1389.63 Z
	Add Cess @ 1% on "Z"				13.90
	Cost of 5 metre				1403.53
	Cost for 1 metre				280.71
	Say				280.70

9.118 Providing and fixing to existing door frames.

9.118.1 24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8001	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 24 mm thick Factory made shutters with frame, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	2.38	1085.93	2584.51

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR				
0114	Carpenter (average)	day	0.40	749.00	299.60
9999	Beldar	day	0.40	645.00	258.00
	Sundries	L.S.	20.36	2.12	43.16
	TOTAL				3185.28 W
	Add 1 % Water charges on "W"				31.85
	TOTAL				3217.13 X
	Add GST on "X" (multiplying factor 0.1405)				452.01
	TOTAL				3669.14 Y
	Add 15% CPOH on "Y"				550.37
	TOTAL				4219.51 Z
	Add Cess @ 1% on "Z"				42.20
	Cost of 2.38 sqm				4261.70
	Cost of 1 sqm				1790.63
	Say				1790.65

9.118.2 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a PVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a PVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a PVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8002	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 30 mm thick Factory made shutters with frame, rails and panels of PVC extruded sections in white, grey or wooden finish including carriage	sqm	2.38	1248.82	2972.19
0156	LABOUR	day	0.40	749.00	299.60
0114	Carpenter (average)	day	0.40	645.00	258.00
	Beldar				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries				43.16
	TOTAL				3572.95 W
	Add 1 % Water charges on "W"				35.73
	TOTAL				3608.68 X
	Add GST on "X" (multiplying factor 0.1405)				507.02
	TOTAL				4115.70 Y
	Add 15% CPOH on "Y"				617.36
	TOTAL				4733.06 Z
	Add Cess @ 1% on "Z"				47.33
	Cost of 2.38 sqm				4780.39
	Cost of 1 sqm				2008.57
	Say				2008.55

9.118.3 25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8706	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 25mm thick factory made PVC flash foor shutter i/c carriage.	sqm	2.38	1700.00	4046.00
0156	Carpenter (average)	day	0.40	749.00	299.60
0114	Beldar	day	0.40	645.00	258.00
9999	Sundries	L.S.	20.36	2.12	43.16
	TOTAL				4646.76 W
	Add 1 % Water charges on "W"				46.47
	TOTAL				4693.23 X
	Add GST on "X" (multiplying factor 0.1405)				659.40
	TOTAL				5352.63 Y
	Add 15% CPOH on "Y"				802.89
	TOTAL				6155.52 Z
	Add Cess @ 1% on "Z"				61.56
	Cost of 2.38 sqm				6217.08
	Cost of 1 sqm				2612.22
	Say				2612.20

9.119 Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer- in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8011	Details of cost for one door frame of 5 metre MATERIAL Factory made door frame PVC extruded sheet i/c carriage	metre	5.00	260.00	1300.00
0156	LABOUR Carpenter (average)	day	0.15	749.00	112.35
0114	Beldar	day	0.15	645.00	96.75
9999	Sundries	L.S.	7.80	2.12	16.54
	TOTAL Add 1 % Water charges on "W"				1525.64 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				15.26
	TOTAL Add 15% CPOH on "Y"				1540.89 X
	TOTAL Add Cess @ 1% on "Z"				216.50
	Cost of 5 metres				1757.39 Y
	Cost of 1 metre				263.61
	Say				2021.00 Z
					20.21
					2041.21
					408.24
					408.25

9.120 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.

9.120.1 30 mm thick plain PVC door shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8003	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL Factory made plain PVC rigid foam panelled shutter as per IS: 4020 i/c carriage	sqm	2.38	1547.45	3682.93
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	130.00	52.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
0156	LABOUR Carpenter (average)	day	0.40	749.00	299.60
0114	Beldar	day	0.40	645.00	258.00
9999	Sundries	L.S.	20.36	2.12	43.16
	TOTAL Add 1 % Water charges on "W"				4367.29 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				619.74
	TOTAL Add 15% CPOH on "Y"				5030.71 Y
	TOTAL Add Cess @ 1% on "Z"				754.61
	Cost of 2.38 sqm				5785.31 Z
	Cost of 1 sqm				57.85
	Say				5843.17
					2455.11
					2455.10

9.120.2 30 mm thick pre laminated PVC door shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8004	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL Factory made PVC rigid foam panelled shutter as per IS : 4020 i/c carriage	sqm	2.38	1547.45	3682.93
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	130.00	52.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
0156	LABOUR Carpenter (average)	day	0.40	749.00	299.60
0114	Beldar	day	0.40	645.00	258.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries				43.16
	TOTAL				4367.29 W
	Add 1 % Water charges on "W"				43.67
	TOTAL				4410.97 X
	Add GST on "X" (multiplying factor 0.1405)				619.74
	TOTAL				5030.71 Y
	Add 15% CPOH on "Y"				754.61
	TOTAL				5785.31 Z
	Add Cess @ 1% on "Z"				57.85
	Cost of 2.38 sqm				5843.17
	Cost of 1 sqm				2455.11
	Say				2455.10

9.121 Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8707	Details of cost for one door frame of 5 metre MATERIAL Factory made glass reinforced plastic door frame 90x45 mm i/c carriage.	metre	5.00	480.00	2400.00
0156	LABOUR Carpenter (average)	day	0.15	749.00	112.35
0114	Beldar	day	0.15	645.00	96.75
9999	Sundries	L.S.	7.80	2.12	16.54
	TOTAL				2625.64 W
	Add 1 % Water charges on "W"				26.26
	TOTAL				2651.89 X
	Add GST on "X" (multiplying factor 0.1405)				372.59
	TOTAL				3024.48 Y
	Add 15% CPOH on "Y"				453.67
	TOTAL				3478.16 Z
	Add Cess @ 1% on "Z"				34.78
	Cost of 5 metres				3512.94
	Cost of 1 metre				702.59
	Say				702.60

- 9.122 Providing and fixing to existing door frames.**
- 9.122.1** 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8708	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 30 mm thick factory madeglass fiber reinforced plastic panel door shutter i/c carriage.	sqm	2.38	2326.00	5535.88
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	130.00	52.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm LABOUR	100 Nos	0.08	35.00	2.80
0156	Carpenter (average)	day	0.40	749.00	299.60
0114	Beldar	day	0.40	645.00	258.00
9999	Sundries	L.S.	20.36	2.12	43.16
	TOTAL				6220.24 W
	Add 1 % Water charges on "W"				62.20
	TOTAL				6282.45 X
	Add GST on "X" (multiplying factor 0.1405)				882.68
	TOTAL				7165.13 Y
	Add 15% CPOH on "Y"				1074.77
	TOTAL				8239.90 Z
	Add Cess @ 1% on "Z"				82.40
	Cost of 2.38 sqm				8322.30
	Cost of 1 sqm				3496.76
	Say				3496.75

- 9.122.2 30 mm thick Fiberglass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF)/Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in-charge.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8730	MATERIAL 30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage.	sqm	2.38	2675.00	6366.50
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	130.00	52.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
	LABOUR				
0156	Carpenter (average)	day	0.40	749.00	299.60
0114	Beldar	day	0.40	645.00	258.00
9999	Sundries	L.S.	20.36	2.12	43.16
	TOTAL				7050.86 W
	Add 1 % Water charges on "W"				70.51
	TOTAL				7121.37 X
	Add GST on "X" (multiplying factor 0.1405)				1000.55
	TOTAL				8121.92 Y
	Add 15% CPOH on "Y"				1218.29
	TOTAL				9340.21 Z
	Add Cess @ 1% on "Z"				93.40
	Cost of 2.38 sqm				9433.62
	Cost of 1 sqm				3963.70
	Say				3963.70

9.123 Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8710	Details of cost for one door frame of 5 metre MATERIAL Factory made solid PVC door frame 60 x 30mm i/c carriage.	metre	5.00	315.00	1575.00
0156	LABOUR	day	0.15	749.00	112.35
0114	Carpenter (average)	day	0.15	645.00	96.75

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 5 metres Cost of 1 meter Say	L.S.	7.80	2.12	16.54 1800.64 W 18.01 1818.64 X 255.52 2074.16 Y 311.12 2385.29 Z 23.85 2409.14 481.83 481.85

9.124 Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mmx 1 mm, painted with primer , all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100mm x 8 mm complete as per manufacturer's specifications and direction of Engineer-in-charge.

9.124.1 Non decorative finish

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8712	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish.				
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	sqm	2.38	2000.00	4760.00
0637	Bright finished or black enamelled mild steel screws 40 mm	10 Nos	0.40	130.00	52.00
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.48	60.00	28.80
	LABOUR	100 Nos	0.08	35.00	2.80
0156	Carpenter (average)	day	0.40	749.00	299.60
0114	Beldar	day	0.40	645.00	258.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.38 sqm Cost of 1 sqm Say	L.S.	20.36	2.12	43.16 5444.36 W 54.44 5498.81 X 772.58 6271.39 Y 940.71 7212.10 Z 72.12 7284.22 3060.60 3060.60

9.124.2 Decorative finish (both side wood grained finish)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8709	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)				
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	sqm	2.38	2100.00	4998.00
0637	Bright finished or black enamelled mild steel screws 40 mm	10 Nos	0.40	130.00	52.00
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.48	60.00	28.80
0156	Labour Carpenter (average)	day	0.40	749.00	299.60
0114	Beldar	day	0.40	645.00	258.00
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.38 sqm Cost of 1 sqm Say	L.S.	20.36	2.12	43.16 5682.36 W 56.82 5739.19 X 806.36 6545.54 Y 981.83 7527.37 Z 75.27 7602.65 3194.39 3194.40

9.125 Providing and fixing PVC rigid foam sheet 1 mm thick on existing door shutters (bathroom and W.C. doors) using synthetic rubber based adhesive.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8006	Details of cost for 1.0x0.3m = 0.3 sqm MATERIAL PVC rigid foam sheet 1mm thick = 0.30 sqm Add wastage @ 10% = 0.03 sqm Factory made PVC rigid foam sheet 1mm thick PVC rigid foam sheet 1mm thick = 0.30 sqm + Add wastage @ 10% = 0.03 sqm. Total = 0.33 sqm	sqm	0.33	155.80	51.41
9999	Rubber adhesive LABOUR	L.S.	21.84	2.12	46.30
0111	Carpenter 1st class	day	0.11	784.00	86.24
0114	Beldar	day	0.14	645.00	90.30
0130	Mistry	day	0.02	784.00	15.68
	TOTAL				289.93 W
	Add 1 % Water charges on "W"				2.90
	TOTAL				292.83 X
	Add GST on "X" (multiplying factor 0.1405)				41.14
	TOTAL				333.98 Y
	Add 15% CPOH on "Y"				50.10
	TOTAL				384.07 Z
	Add Cess @ 1% on "Z"				3.84
	Cost of 0.30 sqm				387.91
	Cost of 1 sqm				1293.05
	Say				1293.05

9.126 Providing and fixing 12 mm thick panelling or paneling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick.

9.126.1 Marine plywood conforming to IS: 710

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8724	Details of cost for shutters of a door with 2/3rd paneling 200x108cm = 2.16sqm. Panel area = 4x45.1x 36.55cm = 0.66sqm. MATERIAL Plywood 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm.	sqm	0.80	720.00	576.00
9977	12mm thick marine plywood conforming to IS:710 Carriage of Plywood	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111 9999	LABOUR Carpenter 1st class Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	day L.S.	0.57 4.42	784.00 2.12	446.88 9.37 1036.11 W 10.36 1046.47 X 147.03 1193.50 Y 179.02 1372.52 Z 13.73 1386.25 2100.38 2100.40

9.126.2 Fire retardant plywood conforming to IS: 5509

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8725	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Plywood 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm.				
9977	12mm thick fire retardant plywood conforming to IS: 5509.	sqm	0.80	867.00	693.60
	Carriage of Plywood	L.S.	1.82	2.12	3.86
0111 9999	LABOUR Carpenter 1st class Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	day L.S.	0.57 4.42	784.00 2.12	446.88 9.37 1153.71 W 11.54 1165.25 X 163.72 1328.96 Y 199.34 1528.31 Z 15.28 1543.59 2338.77 2338.75

9.127 Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.

9.127.1 1.5 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5.00 sqm MATERIAL Decorative laminate = 5.00 sqm Add wastage @ 10% = 0.50 sqm Total = 5.50 sqm				
8726	1.5mm thick decorative laminated sheet	sqm	5.50	380.00	2090.00
9999	Adhesive	L.S.	195.00	2.12	413.40
	LABOUR				
0111	Carpenter 1st class	day	0.50	784.00	392.00
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries i/c nails etc.	L.S.	52.00	2.12	110.24
	TOTAL				3328.14 W
	Add 1 % Water charges on "W"				33.28
	TOTAL				3361.42 X
	Add GST on "X" (multiplying factor 0.1405)				472.28
	TOTAL				3833.70 Y
	Add 15% CPOH on "Y"				575.06
	TOTAL				4408.76 Z
	Add Cess @ 1% on "Z"				44.09
	Cost for 5.00 sqm				4452.84
	Cost for 1 sqm				890.57
	Say				890.55

9.127.2 1.0 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5.00 sqm MATERIAL Decorative laminate = 5.00 sqm Add wastage @ 10% = 0.50 sqm Total = 5.50 sqm				
8727	1.0mm thick decorative laminated sheet	sqm	5.50	294.00	1617.00
9999	Adhesive	L.S.	195.00	2.12	413.40
	LABOUR				
0111	Carpenter 1st class	day	0.50	784.00	392.00
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries i/c nails etc.	L.S.	52.00	2.12	110.24
	TOTAL				2855.14 W
	Add 1 % Water charges on "W"				28.55
	TOTAL				2883.69 X
	Add GST on "X" (multiplying factor 0.1405)				405.16
	TOTAL				3288.85 Y
	Add 15% CPOH on "Y"				493.33
	TOTAL				3782.18 Z
	Add Cess @ 1% on "Z"				37.82
	Cost for 5.00 sqm				3820.00
	Cost for 1 sqm				764.00
	Say				764.00

9.128 Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight (Only plan area of chajjas shall be measured for making payment).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8713	Detail of cost for a chajja 0.90 x 0.60 = 0.54 sqm MATERIAL Fiber glass reinforced plastic chajja. including accessories	sqm	0.54	3000.00	1620.00
9977	Carriage	L.S.	26.00	2.12	55.12
9999	fixing charges including sundries. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 0.54 sqm Cost for 1 sqm Say	L.S.	143.00	2.12	303.16
					1978.28 W 19.78 1998.06 X
					280.73 2278.79 Y 341.82 2620.61 Z 26.21 2646.82 4901.51 4901.50

9.129 Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including 1Ind class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7272	Details of cost for one shutter 2.20x1.00m= 2.20sqm. MATERIAL 25 mm thick melamine faced prelaminated three layer particle board	sqm	2.20	900.00	1980.00
9977	CARRIAGE	L.S.	29.64	2.12	62.84

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	47.04	206.98
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	36.00	45.00
0111	LABOUR				
0114	Carpenter 1st class	day	0.50	784.00	392.00
0130	Beldar	day	0.50	645.00	322.50
7271	Mistry	day	0.07	784.00	54.88
	IInd class teak wood lipping 25 mm wide x 12 mm thick	metre	7.00	28.00	196.00
	TOTAL				3260.19 W
	Add 1 % Water charges on "W"				32.60
	TOTAL				3292.79 X
	Add GST on "X" (multiplying factor 0.1405)				462.64
	TOTAL				3755.43 Y
	Add 15% CPOH on "Y"				563.31
	TOTAL				4318.75 Z
	Add Cess @ 1% on "Z"				43.19
	Cost for 2.20sqm.				4361.93
	Cost of 1 sqm				1982.70
	Say				1982.70

9.130 Providing and fixing cup board shutters with 25 mm thick veneered particle board IS : 3097 marked, exterior grade (Grade I), of approved make, including IInd class teak wood lipping of 25 mm wide x 12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of Engineer-in-Charge.

9.130.1 With decorative veneering on one side and commercial veneering on other side

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one shutter 2.20x1.00m = 2.20sqm. MATERIAL				
7269	25 mm thick particle board	sqm	2.20	435.00	957.00
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneered on other side	sqm	2.20	230.00	506.00
9977	CARRIAGE	L.S.	29.64	2.12	62.84
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	47.04	206.98
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	36.00	45.00
0111	LABOUR				
0114	Carpenter 1st class	day	0.50	784.00	392.00
0130	Beldar	day	0.50	645.00	322.50
	Mistry	day	0.07	784.00	54.88

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7271	IInd class teak wood lipping 25 mm wide x 12 mm thick TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 2.20sqm. Cost of 1 sqm Say	metre	7.00	28.00	196.00 2743.19 W 27.43 2770.62 X 389.27 3159.90 Y 473.98 3633.88 Z 36.34 3670.22 1668.28 1668.30

9.130.2 With non decorative veneering on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7269	Details of cost for one shutter 2.20x1.00m= 2.20sqm.				
0347	MATERIAL 25 mm thick particle board	sqm	2.20	435.00	957.00
9977	Extra for veneered particle board with Commercial veneering on both sides	sqm	2.20	155.00	341.00
8678	CARRIAGE 1mm thick 35mm wide bright finished stainless steel piano hinges .	L.S.	29.64	2.12	62.84
0685	Oxidised mild steel screws 25 mm	metre	4.40	47.04	206.98
	LABOUR	100 Nos	1.25	36.00	45.00
0111	Carpenter 1st class	day	0.50	784.00	392.00
0114	Beldar	day	0.50	645.00	322.50
0130	Mistry	day	0.07	784.00	54.88
7271	IInd class teak wood lipping 25 mm wide x 12 mm thick TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 2.20sqm. Cost of 1 sqm Say	metre	7.00	28.00	196.00 2578.19 W 25.78 2603.97 X 365.86 2969.83 Y 445.47 3415.31 Z 34.15 3449.46 1567.94 1567.95

9.131 Providing and fixing factory made shutters of Pre-laminated particle board flat pressed three layer or graded wood particle board with one side decorative finish and other side balancing lamination conforming to IS: 12823 Grade I Type II, of approved design, and edges sealed with water resistant paint and lipped with aluminium 'U' type edge beading all-round the shutter, including fixing with angle cleat, grip strip, cadmium plated steel screws, including fixing of aluminium hinges 100x63x4 mm etc. complete as per architectural drawing and direction of Engineer-in-Charge (Cost of 'U' beading and hinges will be paid for separately).

9.131.1 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2.10sqm. (Door size 2.1x1.00 = 2.10sqm.) MATERIAL Prelaminated particle board = 2.10sqm. + Add for wastage @ 5% = 0.11sqm. Total = 2.21sqm.				
7445	25 mm prelaminated flush door both side decorative	sqm	2.21	800.00	1768.00
7443	Aluminium single cleat of size 30x32x3	each	4.00	14.00	56.00
7444	Aluminium grip strip of size 50x12x2	each	8.00	11.00	88.00
0834	Synthetic enamel paint in all shades except black or chocolate shade	litre	0.15	165.00	24.75
9988	Carriage of materials including loading and unloading	L.S.	19.50	2.12	41.34
9999	Sundries and screws etc.	L.S.	39.00	2.12	82.68
	LABOUR				
0112	Carpenter 2nd class	day	0.27	714.00	192.78
0114	Beldar	day	0.30	645.00	193.50
	TOTAL				2447.05 W
	Add 1 % Water charges on "W"				24.47
	TOTAL				2471.52 X
	Add GST on "X" (multiplying factor 0.1405)				347.25
	TOTAL				2818.77 Y
	Add 15% CPOH on "Y"				422.82
	TOTAL				3241.58 Z
	Add Cess @ 1% on "Z"				32.42
	Cost for 2.10sqm.				3274.00
	Cost of 1 sqm				1559.05
	Say				1559.05

9.132 Providing and fixing aluminum U beading of required size to Pre-laminated/ flush door shutter, including fixing etc. complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1kg. MATERIAL Aluminum U beading = 1.00kg + Add 10% wastage = 0.10 Total = 1.10kg.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7449	Aluminium U beading	kilogram	1.10	210.00	231.00
9999	Anodized 15 micron	L.S.	65.00	2.12	137.80
9999	Sundries including screws, fixing, carriage etc.	L.S.	13.00	2.12	27.56
	TOTAL				396.36 W
	Add 1 % Water charges on "W"				3.96
	TOTAL				400.32 X
	Add GST on "X" (multiplying factor 0.1405)				56.25
	TOTAL				456.57 Y
	Add 15% CPOH on "Y"				68.49
	TOTAL				525.05 Z
	Add Cess @ 1% on "Z"				5.25
	Cost for 1 kg.				530.30
	Say				530.30

9.133 Providing and fixing, in position concealed G.I. section for wall paneling using board of required thickness fixed on the 'W' profile (0.55 mm thick) having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm, placed @ 610 mm C/C in perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm. Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @ 610 mm C/C with fully threaded self-tapping dry wall screws. Board is fixed to the 'W' profile with 25 mm countersunk ribbed head screws @ 200 mm C/C., all complete as per the drawing & directions of engineer-in-charge, the joints of the boards are finished with specially formulated jointing compound and 48mm wide jointing tape to provide seamless finish.

9.133.1 Tapered edge calcium silicate board made with calcareous & siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with compressive strength 225 kg/ sq.cm, Bending strength 100 kg/sq.cm.

9.133.1.1 10mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8700	Details of cost for 3.66 m x 3.05 m = 11.16 sqm. MATERIAL Calcium silicate board 10mm thick = 11.16 sqm+ Add wastage @ 10% = 1.12 sqm. Total = 12.28 sqm	sqm	12.28	420.00	5157.60
8720	10 mm thick calcium silicate board. Ceiling sections 0.55 mm thick having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm.	metre	19.66	38.00	747.08
8721	Perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm	metre	9.60	23.00	220.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	2.60	109.20
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	76.00	133.76
9999	Jointing compound	L.S.	20.80	2.12	44.10
7018	Joint tape roll	roll	0.19	90.00	17.10
9999	Sundries i/c rawl plug, scaffolding etc.	L.S.	52.00	2.12	110.24
9977	Carriage of materials	L.S.	26.00	2.12	55.12
	LABOUR				
0111	Carpenter 1st class	day	3.80	784.00	2979.20
0114	Beldar	day	4.60	645.00	2967.00
	TOTAL				12541.20 W
	Add 1 % Water charges on "W"				125.41
	TOTAL				12666.61 X
	Add GST on "X" (multiplying factor 0.1405)				1779.66
	TOTAL				14446.27 Y
	Add 15% CPOH on "Y"				2166.94
	TOTAL				16613.21 Z
	Add Cess @ 1% on "Z"				166.13
	Cost for 11.16 sqm				16779.34
	Cost for 1 sqm				1503.52
	Say				1503.50

9.133.2 Multipurpose cement board reinforced with suitable fibre cement screw.

9.133.2.1 8 mm thick cement fibre board as per IS : 14862

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0237	Details of cost for 3.66 m x 3.05 m = 11.16 sqm. MATERIAL Multipurpose non asbestos fibre cement board 8mm thick.= 11.16 sqm+ Add wastage @ 10% = 1.12 sqm. Total = 12.28 sqm Multi purpose fibre (high impact poly propylene reinforced) cement board 8mm thick.	sqm	12.28	220.00	2701.60
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm.	metre	19.66	38.00	747.08
8721	Perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm.	metre	9.60	23.00	220.80
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	2.60	109.20
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	76.00	133.76
9999	Jointing compound	L.S.	20.80	2.12	44.10
7018	Joint tape roll	roll	0.19	90.00	17.10
9999	Sundries i/c rawl plug, scaffolding etc.	L.S.	52.00	2.12	110.24
9977	Carriage of materials	L.S.	26.00	2.12	55.12
0111	LABOUR				
0111	Carpenter 1st class	day	3.80	784.00	2979.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 11.16 sqm Cost for 1 sqm Say	day	4.60	645.00	2967.00 10085.20 W 100.85 10186.05 X 1431.14 11617.19 Y 1742.58 13359.77 Z 133.60 13493.36 1209.08 1209.10

9.133.2.2 8 mm thick Cement bonded wood particle board as per IS:14276

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0243	Details of cost for 3.66 m x 3.05 m =11.16 sqm MATERIAL: Multipurpose cement bonded wood particle board 8mm thick Add wastage @ 10% =1.12 sqm. Total = 12.28 sqm	Sqm	12.280	215.00	2640.20
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm	metre	19.660	38.00	747.08
8721	Perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm	metre	9.60	23.00	220.80
8722	Nylon sleeves & wooden screws (40 mm)	each	42.00	2.60	109.20
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	76.00	133.76
9999	Jointing compound	L.S	20.80	2.12	44.10
7018	Joint tape roll	each roll	0.19	90.00	17.10
9999	Sundries i/c rawl plug. Scaffolding etc.	L.S	52.00	2.12	110.24
9999	Carriage of materials	L.S	26.00	2.12	55.12
	LABOUR:				
0111	Carpenter 1 st class	day	3.80	784.00	2979.20
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 11.16 sqm Cost of 1 sqm Say	day	4.60	645.00	2967.00 10023.80 W 100.24 10124.03 X 1422.43 11546.46 Y 1731.97 13278.43 Z 132.78 13411.21 1201.72 1201.70

9.133.3 Plain Gypsum plaster board conforming to IS: 2095 Part -1:2011 (Board with BIS certification marks)

9.133.3.1 12.5 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.66 m x 3.05 m =11.16 sqm. MATERIAL Plain gypsum board 12.5 mm thick.= 11.16 sqm Add wastage @ 10% = 1.12 sqm. Total = 12.28 sqm				
7009	12.5 mm thick Plain Gypsum plaster board .	sqm	12.28	140.00	1719.20
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm.	metre	19.66	38.00	747.08
8721	Perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm.	metre	9.60	23.00	220.80
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	2.60	109.20
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	76.00	133.76
9999	Jointing compound	L.S.	20.80	2.12	44.10
7018	Joint tape roll	roll	0.19	90.00	17.10
9999	Sundries i/c rawl plug, scaffolding etc.	L.S.	52.00	2.12	110.24
9977	Carriage of materials	L.S.	26.00	2.12	55.12
	LABOUR				
0111	Carpenter 1st class	day	3.80	784.00	2979.20
0114	Beldar	day	4.60	645.00	2967.00
	TOTAL				9102.80 W
	Add 1 % Water charges on "W"				91.03
	TOTAL				9193.82 X
	Add GST on "X" (multiplying factor 0.1405)				1291.73
	TOTAL				10485.56 Y
	Add 15% CPOH on "Y"				1572.83
	TOTAL				12058.39 Z
	Add Cess @ 1% on "Z"				120.58
	Cost for 11.16 sqm				12178.97
	Cost for 1 sqm				1091.31
	Say				1091.30

9.134 Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws :

9.134.1 35 mm thick shutters

9.134.1.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.134.1.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
1190	Second class teak wood in planks Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm	5.14	791.00	4065.74
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	413.00	582.33
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
2204	Carriage of Timber LABOUR	cum	0.0514	187.35	9.63
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				7240.13 W
	Add 1 % Water charges on "W"				72.40
	TOTAL				7312.53 X
	Add GST on "X" (multiplying factor 0.1405)				1027.41
	TOTAL				8339.94 Y
	Add 15% CPOH on "Y"				1250.99
	TOTAL				9590.93 Z
	Add Cess @ 1% on "Z"				95.91
	Cost of 2.16 sqm.				9686.84
	Cost of 1 sqm.				4484.65
	Say				4484.65

9.134.1.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	<p>Details of cost for door shutters $2.00 \times 1.08m = 2.16 \text{ sqm.}$</p> <p>MATERIAL</p> <p>Hollock wood Styles $4 \times 200 \times 9.5 \times 3.5\text{cm} = 0.0266\text{cum+}$ Top Rail - $1 \times 110.5 \times 9.5 \times 3.5\text{cm} = 0.0036\text{cum+}$ Lock and bottom rail $2 \times 110.5 \times 19.7 \times 3.5\text{cm} = 0.0152 \text{ cum.+}$ Beadings - $(2 \times 312 + 2 \times 150) \times (1.2) \times (1.2)\text{cm} = 0.001 \text{ cum.}$ Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = $0.0514 \text{ cum. Say } 51.4 \text{ cudm.}$</p>				
2505	Hollock wood in planks	10 cudm	5.14	402.00	2066.28
2204	Carriage of Timber	cum	0.0514	187.35	9.63
2504	Kiln seasoning of timber	cum	0.0514	772.00	39.68
9999	Chemical treatment	L.S.	8.97	2.12	19.02
	<p>Wire gauge $2 \times 160 \times 40\text{cm} = 1.28 \text{ sqm.+}$ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.</p>				
8737	<p>Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire</p>	sqm	1.41	413.00	582.33
0595	Bright finished or black enamelled mild steel butt hinges $100 \times 58 \times 1.90 \text{ mm}$	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges $50 \times 37 \times 1.50 \text{ mm}$	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
	LABOUR				
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				5299.36 W
	Add 1 % Water charges on "W"				52.99
	TOTAL				5352.36 X
	Add GST on "X" (multiplying factor 0.1405)				752.01
	TOTAL				6104.36 Y
	Add 15% CPOH on "Y"				915.65
	TOTAL				7020.02 Z
	Add Cess @ 1% on "Z"				70.20
	Cost of 2.16 sqm.				7090.22
	Cost of 1 sqm.				3282.51
	Say				3282.50

9.134.1.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Sheesham wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
1200	Kiln seasoned selected sheesum wood planks	10 cudm cum	5.14 0.0514	650.00 187.35	3341.00 9.63
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	413.00	582.33
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
	LABOUR				
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				6515.39 W
	Add 1 % Water charges on "W"				65.15
	TOTAL				6580.54 X
	Add GST on "X" (multiplying factor 0.1405)				924.57
	TOTAL				7505.11 Y
	Add 15% CPOH on "Y"				1125.77
	TOTAL				8630.87 Z
	Add Cess @ 1% on "Z"				86.31
	Cost of 2.16 sqm.				8717.18
	Cost of 1 sqm.				4035.73
	Say				4035.75

9.134.1.2 With ISI marked stainless steel butt hinges of required size

9.134.1.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	<p>Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Second class Teak wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm. Second class teak wood in planks Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.</p>	10 cudm	5.14	791.00	4065.74
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	413.00	582.33
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm	100 Nos	0.08	150.00	12.00
2204	Carriage of Timber	cum	0.0514	187.35	9.63
	LABOUR				
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				7477.73 W
	Add 1 % Water charges on "W"				74.78
	TOTAL				7552.50 X
	Add GST on "X" (multiplying factor 0.1405)				1061.13
	TOTAL				8613.63 Y
	Add 15% CPOH on "Y"				1292.04
	TOTAL				9905.67 Z
	Add Cess @ 1% on "Z"				99.06
	Cost of 2.16 sqm.				10004.73
	Cost of 1 sqm.				4631.82
	Say				4631.80

9.134.1.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
2505	Hollock wood in planks	10 cudm	5.14	402.00	2066.28
2504	Kiln seasoning of timber	cum	0.0514	772.00	39.68
9999	Chemical treatment	L.S.	8.97	2.12	19.02
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	413.00	582.33
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm	100 Nos	0.08	150.00	12.00
2204	Carriage of Timber	cum	0.0514	187.35	9.63
	LABOUR				
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				5536.96 W
	Add 1 % Water charges on "W"				55.37
	TOTAL				5592.33 X
	Add GST on "X" (multiplying factor 0.1405)				785.72
	TOTAL				6378.06 Y
	Add 15% CPOH on "Y"				956.71
	TOTAL				7334.76 Z
	Add Cess @ 1% on "Z"				73.35
	Cost of 2.16 sqm.				7408.11
	Cost of 1 sqm.				3429.68
	Say				3429.70

9.134.1.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Sheesham wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.14	650.00	3341.00
2204	Carriage of Timber	cum	0.05	187.35	9.63
2504	Kiln seasoning of timber	cum	0.0514	772.00	39.68
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	413.00	582.33
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm	100 Nos	0.08	150.00	12.00
2204	Carriage of Timber	cum	0.0514	187.35	9.63
	LABOUR				
0111	Carpenter 1st class	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.05	645.00	677.25
0130	Mistry	day	0.105	784.00	82.32
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				6802.30 W
	Add 1 % Water charges on "W"				68.02
	TOTAL				6870.32 X
	Add GST on "X" (multiplying factor 0.1405)				965.28
	TOTAL				7835.60 Y
	Add 15% CPOH on "Y"				1175.34
	TOTAL				9010.94 Z
	Add Cess @ 1% on "Z"				90.11
	Cost of 2.16 sqm.				9101.05
	Cost of 1 sqm.				4213.45
	Say				4213.45

9.134.2 30 mm thick shutters

9.134.2.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.134.2.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1190 2204	Second class teak wood in planks Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm cum	4.40 0.044	791.00 187.35	3480.40 8.24
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	413.00	582.33
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm LABOUR	100 Nos	0.08	35.00	2.80
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				6467.43 W
	Add 1 % Water charges on "W"				64.67
	TOTAL				6532.10 X
	Add GST on "X" (multiplying factor 0.1405)				917.76
	TOTAL				7449.86 Y
	Add 15% CPOH on "Y"				1117.48
	TOTAL				8567.34 Z
	Add Cess @ 1% on "Z"				85.67
	Cost of 2.16 sqm.				8653.02
	Cost of 1 sqm.				4006.03
	Say				4006.05

9.134.2.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
2505	Hollock wood in planks	10 cu dm	4.40	402.00	1768.80
2204	Carriage of Timber	cum	0.044	187.35	8.24
2504	Kiln seasoning of timber	cum	0.044	772.00	33.97
9999	Chemical treatment	L.S.	7.68	2.12	16.28
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	413.00	582.33
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
	LABOUR				
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				4806.08 W
	Add 1 % Water charges on "W"				48.06
	TOTAL				4854.14 X
	Add GST on "X" (multiplying factor 0.1405)				682.01
	TOTAL				5536.15 Y
	Add 15% CPOH on "Y"				830.42
	TOTAL				6366.57 Z
	Add Cess @ 1% on "Z"				63.67
	Cost of 2.16 sqm.				6430.23
	Cost of 1 sqm.				2976.96
	Say				2976.95

9.134.2.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Sheesham wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.044	187.35	8.24
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	413.00	582.33
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	35.00	2.80
	LABOUR				
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				5847.03 W
	Add 1 % Water charges on "W"				58.47
	TOTAL				5905.50 X
	Add GST on "X" (multiplying factor 0.1405)				829.72
	TOTAL				6735.22 Y
	Add 15% CPOH on "Y"				1010.28
	TOTAL				7745.51 Z
	Add Cess @ 1% on "Z"				77.46
	Cost of 2.16 sqm.				7822.96
	Cost of 1 sqm.				3621.74
	Say				3621.75

9.134.2.2 With ISI marked stainless steel butt hinges of required size

9.134.2.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1190 2204	Second class teak wood in planks Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm cum	4.40 0.044	791.00 187.35	3480.40 8.24
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	413.00	582.33
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm	100 Nos	0.08	150.00	12.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				6705.03 W
	Add 1 % Water charges on "W"				67.05
	TOTAL				6772.08 X
	Add GST on "X" (multiplying factor 0.1405)				951.48
	TOTAL				7723.56 Y
	Add 15% CPOH on "Y"				1158.53
	TOTAL				8882.09 Z
	Add Cess @ 1% on "Z"				88.82
	Cost of 2.16 sqm.				8970.91
	Cost of 1 sqm.				4153.20
	Say				4153.20

9.134.2.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
2505	Hollock wood in planks	10 cu dm	4.40	402.00	1768.80
2504	Kiln seasoning of timber	cum	0.044	772.00	33.97
9999	Chemical treatment	L.S.	7.68	2.12	16.28
2204	Carriage of Timber	cum	0.044	187.35	8.24
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	413.00	582.33
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm	100 Nos	0.08	150.00	12.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				5043.68 W
	Add 1 % Water charges on "W"				50.44
	TOTAL				5094.12 X
	Add GST on "X" (multiplying factor 0.1405)				715.72
	TOTAL				5809.84 Y
	Add 15% CPOH on "Y"				871.48
	TOTAL				6681.31 Z
	Add Cess @ 1% on "Z"				66.81
	Cost of 2.16 sqm.				6748.13
	Cost of 1 sqm.				3124.13
	Say				3124.15

9.134.2.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Sheesham wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1200	Kiln seasoned selected sheesum wood planks	10 cudm cum	4.40 0.044	650.00 187.35	2860.00 8.24
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	sqm	1.41	413.00	582.33
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire				
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	275.00	165.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	150.00	30.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	250.00	120.00
8214	Stainless steel screws 20 mm	100 Nos	0.08	150.00	12.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	784.00	940.80
0112	Carpenter 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.00	645.00	645.00
0130	Mistry	day	0.10	784.00	78.40
9999	Sundries	L.S.	33.80	2.12	71.66
	TOTAL				6084.63 W
	Add 1 % Water charges on "W"				60.85
	TOTAL				6145.48 X
	Add GST on "X" (multiplying factor 0.1405)				863.44
	TOTAL				7008.92 Y
	Add 15% CPOH on "Y"				1051.34
	TOTAL				8060.25 Z
	Add Cess @ 1% on "Z"				80.60
	Cost of 2.16 sqm.				8140.85
	Cost of 1 sqm.				3768.91
	Say				3768.90

- 9.135 Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete.**
- 9.135.1 With 2nd class teak wood beading 62X19 mm**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.69	413.00	697.97
9977	Carriage of wire fabric	L.S.	1.82	2.12	3.86
	Second class teak wood beading 5mx62mmx19mm = 0.0059cum. Add wastage @ 10% = 0.00059cum. Total = 0.00649cum. Say 6 cudm.				
1190	Second class teak wood in planks	10 cudm	0.60	791.00	474.60
2204	Carriage of Timber	cum	0.006	187.35	1.12
0112	LABOUR Carpenter 2nd class	day	0.33	714.00	235.62
0114	Beldar	day	0.25	645.00	161.25
9999	Sundries	L.S.	19.76	2.12	41.89
	TOTAL				1616.31 W
	Add 1 % Water charges on "W"				16.16
	TOTAL				1632.48 X
	Add GST on "X" (multiplying factor 0.1405)				229.36
	TOTAL				1861.84 Y
	Add 15% CPOH on "Y"				279.28
	TOTAL				2141.12 Z
	Add Cess @ 1% on "Z"				21.41
	Cost of 1.54 sqm.				2162.53
	Cost of 1 sqm.				1404.24
	Say				1404.25

9.135.2 With 12 mm mild steel U beading

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.69	413.00	697.97
9977	Carriage of wire fabric	L.S.	1.82	2.12	3.86
7349	12 mm M.S. 'U' beading	metre	5.00	14.00	70.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
0114	Carpenter 2nd class	day	0.33	714.00	235.62
9999	Beldar	day	0.25	645.00	161.25
	Sundries	L.S.	19.76	2.12	41.89
	TOTAL				1210.59 W
	Add 1 % Water charges on "W"				12.11
	TOTAL				1222.70 X
	Add GST on "X" (multiplying factor 0.1405)				171.79
	TOTAL				1394.48 Y
	Add 15% CPOH on "Y"				209.17
	TOTAL				1603.66 Z
	Add Cess @ 1% on "Z"				16.04
	Cost of 1.54 sqm.				1619.69
	Cost of 1 sqm.				1051.75
	Say				1051.75

9.136 Providing and fixing fire resistant door frame of section 143 x 57 mm having built in rebate made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumuscent fire seal strip of size 10x4 mm (minimum) around the frame and fixing with dash fastener of approved size and make, including applying a coat of approved brand fire resistant primer etc. complete as per direction of Engineer-in-charge (Dash fastener to be paid for separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8738	Details of cost for 3300/2750mm Door (9.10 metre length) MATERIAL Factory made door frame fire rated (60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with vermiculite based concrete mix	metre	9.10	1062.00	9664.20
9999	Labour for fixing	L.S.	130.00	2.12	275.60
9988	Sundries and carriage	L.S.	4.23	2.12	8.97
	TOTAL				9948.77 W
	Add 1 % Water charges on "W"				99.49
	TOTAL				10048.26 X
	Add GST on "X" (multiplying factor 0.1405)				1411.78
	TOTAL				11460.04 Y
	Add 15% CPOH on "Y"				1719.01
	TOTAL				13179.04 Z
	Add Cess @ 1% on "Z"				131.79
	Cost of 9.10 metres				13310.83
	Cost of 1.00 metre				1462.73
	Say				1462.75

9.137 Providing and fixing 50 mm thick glazed fire resistant door shutters of 60 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, lock rail, top rail 100 mm wide, bottom rail 200 mm wide, made out of 16 SWG G.I.sheet (zinc coating not less than 120 gm/sqm) duly filled FR insulation material and fixing with necessary stainless steel ball bearing hinges of approved make, including applying a coat of approved fire resistant primer etc. all complete as per direction of Engineer-in-charge (panneling to be paid for separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8739	Details of cost for 3.50 sqm (Door size- 1710x2050 mm) MATERIAL Fire rated door shutters made with 16 SWG G.I. sheet(60 minutes) without panel LABOUR	sqm	3.50	4702.00	16457.00
9999	Labour for fixing	L.S.	180.00	2.12	381.60
9988	Sundries & Carriage	L.S.	10.00	2.12	21.20
	TOTAL				16859.80 W
	Add 1 % Water charges on "W"				168.60
	TOTAL				17028.40 X
	Add GST on "X" (multiplying factor 0.1405)				2392.49
	TOTAL				19420.89 Y
	Add 15% CPOH on "Y"				2913.13
	TOTAL				22334.02 Z
	Add Cess @ 1% on "Z"				223.34
	Cost of 3.50 sqm				22557.36
	Cost of 1 sqm				6444.96
	Say				6444.95

9.138 Providing and fixing glazing in fire resistant door shutters, fixed panels & partitions etc., with G.I. beading made out of 1.6 mm thick G.I. sheet (zinc coating not less than 120 gm/sqm) of size 20 x 33 mm screwed with M4 x 38 mm SS screws at distance 75 mm from the edges and 150 mm c/c , including applying a coat of approved fire resistant primer/powder coating of not less than 30 micron on G.I. beading, & special ceramic tape of 5 x 20 mm size etc complete in all respect as per NBC 2016, IS 16231 (Part 3):2016 and as per direction of Engineer-in-charge with glass of required thickness having 60 minutes of fire resistance both integrity & radiation control (EW60) and minimum 20 minutes of insulation (EI20). The manufacturer have to give test report/certification of fire glass and the glass should have the stamp showing the value of E, EW & EI. The glass shall be tested in approved NABL accredited lab or by any other accreditation body which operates in

accordance with ISO/IEC 17011 and accredits labs as per ISO/IEC 17025 for testing and calibration scopes shall be eligible. The maximum glazing size shall not be more than 1100x2200 mm (w x h) or 2.42 sqm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8760	Details of cost for 2.46 sqm (Door size 1710 mm x 2050 mm) Glazing area = $2 \times 0.679 \times 1.808 = 2.46\text{sqm}$. MATERIAL Glass panes of required thickness having 60 minutes of fire resistance both integrity and radiation control (EW60) and minimum 20 minutes of insulation (EI20)				
2641	G.I. U beading of 1.6 mm thick G.I. Sheet with M4x38mm SS screws	metre	9.91	250.00	2477.50
2642	Ceramic tape 5x20 mm size	metre	19.82	400.00	7928.00
9999	LABOUR For fixing in position all complete Sundries and carriage & Calcium Silicate Blocks	L.S.	180.00	2.12	381.60
9999	TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405)	L.S.	10.00	2.12	21.20 66158.30 W 661.58 66819.88 X
					9388.19
					76208.08 Y
					11431.21
					87639.29 Z
					876.39
					88515.68
					35981.98
					35982.00
	Say				

9.139 Providing and fixing panic bar / latch (Double point) fitted with a single body, Trim Latch & Lock on back side of the Panic Latch of reputed brand and manufacture to be approved by the Engineer- in- charge, all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8744	Details of cost for 1 Nos MATERIAL Panic Bar / latch (Double point)	each	1.00	5200.00	5200.00
0111 9977	LABOUR Carpenter 1st class Sundries (screws and carriage)	day	0.17	784.00	133.28
		L.S.	3.64	2.12	7.72 5341.00 W 53.41 5394.41 X
	TOTAL Add 1 % Water charges on "W"				
	TOTAL Add GST on "X" (multiplying factor 0.1405)				757.91
	TOTAL Add 15% CPOH on "Y"				6152.32 Y
	TOTAL Add Cess @ 1% on "Z"				922.85
	Cost of 1 No				7075.17 Z
	Say				70.75
					7145.92
					7145.90

9.140 Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden / steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately).

9.140.1 12mm thick commercial ply conforming to IS : 1328 BWR type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL				
2413	12 mm commercial ply	sqm	11.00	510.00	5610.00
	Priming coat				
13.50.1	Rate as per Item Number 13.50.1 of SH: Finishing	sqm	10.00	61.45	614.50 A
9999	Sundries and screws etc.	L.S.	40.10	2.12	85.01
	LABOUR				
0156	Carpenter (average)	day	1.28	749.00	958.72
0114	Beldar	day	1.43	645.00	922.35
9988	Sundries and carriage	L.S.	33.56	2.12	71.15
	TOTAL				8261.73 W
	Add 1 % Water charges on "W-A"				76.47
	TOTAL				8338.20 X
	Add GST on "X-A" (multiplying factor 0.1405)				1085.18
	TOTAL				9423.38 Y
	Add 15% CPOH on "Y-A"				1321.33
	TOTAL				10744.71 Z
	Add Cess @ 1% on "Z-A"				101.30
	Cost of 10 sqm				10846.02
	Cost of 1 sqm				1084.60
	Say				1084.60

9.141 Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self taping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door frame of 5 metre MATERIAL				
8014	Factory made door frame of size 50x47mm with wall thickness 5 mm made of single pieces extruded profile	meter	5.00	298.74	1493.70
	LABOUR				
0156	Carpenter (average)	day	0.15	749.00	112.35
0114	Beldar	day	0.15	645.00	96.75

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 5 metres Cost of 1 metre Say	L.S.	11.65	2.12	24.70 1727.50 W 17.27 1744.77 X 245.14 1989.91 Y 298.49 2288.40 Z 22.88 2311.28 462.26 462.25

9.142 **35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded soild PVC profiles, 5 mm (± 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge.**

9.142.1 Non decorative finish (matt finish)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8735	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm MATERIAL 35 mm thick factory made solid panel PVC door shutter of single pieceextruded profile non decorative finished (Matt finished)	sqm	2.38	2295.00	5462.10
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	130.00	52.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm LABOUR	100 Nos	0.08	35.00	2.80
0156	Carpenter (average)	day	0.40	749.00	299.60
0114	Beldar	day	0.40	645.00	258.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.38 sqm Cost of 1 sqm Say	L.S.	30.35	2.12	64.34 6167.64 W 61.68 6229.32 X 875.22 7104.54 Y 1065.68 8170.22 Z 81.70 8251.92 3467.19 3467.20

9.142.2 Decorative finish (wood grained finish)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8736	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm MATERIAL 35 mm thick factory made solid panel PVC door shutter of single pieceextruded profile decorative finished (Wood grand finished)				
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	sqm	2.38	2707.00	6442.66
0637	Bright finished or black enamelled mild steel screws 40 mm	10 Nos	0.40	130.00	52.00
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.48	60.00	28.80
0156	LABOUR Carpenter (average)	day	0.40	749.00	299.60
0114	Beldar	day	0.40	645.00	258.00
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.38 sqm Cost of 1 sqm Say	L.S.	30.35	2.12	64.34 7148.20 W 71.48 7219.68 X 1014.37 8234.05 Y 1235.11 9469.16 Z 94.69 9563.85 4018.42 4018.40

9.143 Providing and Fixing factory made uPVC door frame, made of uPVC extruded sections, of size 65 mm x 55 mm with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be mitred cut and jointed with plastic brackets and stainless steel screws, reinforcing hinge side vertical of the frames with PVC profile of Size 28 mm x 30 mm having wall thickness 2 mm (± 0.2 mm), including providing & fixing 3 nos of 125 mm long stainless steel hinges to the frame, fixing the frame with jamb with required number & size of anchor dash fasteners, all complete as per manufacturer's specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8745	Details of cost for one door frame of 5 metre MATERIAL 65mm x 55mm x 2mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish LABOUR				
0156	Carpenter (average)	metre	5.00	364.00	1820.00
0114	Beldar	day	0.15	749.00	112.35
9999	Sundries	day	0.15	645.00	96.75
	TOTAL	L.S.	4.68	2.12	9.92
	Add 1 % Water charges on "W"				2039.02 W
	TOTAL				20.39
	Add GST on "X" (multiplying factor 0.1405)				2059.41 X
	TOTAL				289.35
	Add 15% CPOH on "Y"				2348.76 Y
	TOTAL				352.31
	Add Cess @ 1% on "Z"				2701.07 Z
	Cost of 5 metres				27.01
	Cost of 1 metre				2728.08
	Say				545.62
					545.60

9.144 Providing and fixing 37 mm thick factory made PVC door shutter, styles and rails made of PVC hollow section of size 100 mm x 37 mm with wall thickness 2 mm (± 0.2 mm), with inbuilt bead on one side, styles and rails mitered cut and joint at the corners by means of 2 nos of plastic brackets of size 75 mm x 220 mm at each corner and stainless steel screws, reinforcing the hinge side of style by inserting PVC profile of size 28 mm x 30 mm, with wall thickness 2 mm (± 0.2 mm). Lockrail of size 100 mm x 37 mm, wall thickness 2 mm (+ 0.2 mm) will be fixed to the vertical styles. Providing with PVC snapfit beads and panel of size 100 mm x 20 mm, and inserting 2 nos tie bar of 6 mm dia and fastening with nuts and washers complete, all as per manufacturer's specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8746	Details of cost for of one shutter $2.20 \times 1.08m = 2.38 \text{ sqm}$ MATERIAL 37 mm thick Factory made shutter with style, rails and panels of PVC extruded section in white or grey finish i/c carriage	sqm	2.38	2479.00	5900.02

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR				
0114	Carpenter (average)	day	0.40	749.00	299.60
9999	Beldar	day	0.40	645.00	258.00
	Sundries	L.S.	20.36	2.12	43.16
	TOTAL				6500.78 W
	Add 1 % Water charges on "W"				65.01
	TOTAL				6565.79 X
	Add GST on "X" (multiplying factor 0.1405)				922.49
	TOTAL				7488.28 Y
	Add 15% CPOH on "Y"				1123.24
	TOTAL				8611.53 Z
	Add Cess @ 1% on "Z"				86.12
	Cost of 2.38 sqm				8697.64
	Cost of 1 sqm				3654.47
	Say				3654.45

9.145 Providing and Fixing factory made PVC door frame made of PVC extruded sections of size 75 mm x 53 mm, having wall thickness 2.0 mm (± 0.2 mm). Both vertical sides of the frame reinforced with PVC profile of cross section size 28 mm x 30 mm x 2 mm thickness (± 0.2 mm) and 75 mm x 200 mm long, including reinforcing both ends of the top frame with PVC profile. PVC Door Frame and PVC reinforcement profile to be mitred cut, jointed and fusion welded together, including providing and fixing 3 nos of 125 mm long stainless steel hinges to frame, fixing the frame with jamb with required nos & sizes of anchor dash fastener, all complete as per manufacturer's specification and direction of engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8747	Details of cost for one door frame of 5 metre MATERIAL 75mm x 53mm x 2.0mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	5.00	413.00	2065.00
0156	LABOUR				
0114	Carpenter (average)	day	0.15	749.00	112.35
9999	Beldar	day	0.15	645.00	96.75
	Sundries	L.S.	4.68	2.12	9.92
	TOTAL				2284.02 W
	Add 1 % Water charges on "W"				22.84
	TOTAL				2306.86 X
	Add GST on "X" (multiplying factor 0.1405)				324.11
	TOTAL				2630.98 Y
	Add 15% CPOH on "Y"				394.65
	TOTAL				3025.62 Z
	Add Cess @ 1% on "Z"				30.26
	Cost of 5 metres				3055.88
	Cost of 1 metre				611.18
	Say				611.20

9.146 Providing and fixing 37 mm thick factory made PVC Door shutter, styles and rails made of PVC hollow extruded printed and laminated section having overall dimension 115 mm x 37 mm with wall thickness 2 mm (± 0.2 mm) with inbuilt beading on one side, the styles and rails mitred cut and joint at corners by inserting 2 nos PVC profile reinforcement of size 75 mm x 200 mm long with cross section size of 28 mm x 30 mm having wall thickness 2 mm (± 0.2 mm). Styles, rails and reinforcements to be fusion welded together. Only hinge side vertical style to be reinforced with PVC profile reinforcement in full length. Printed and laminated PVC lock rail of size 110 mm x 37 mm having wall thickness 2 mm (± 0.2 mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6 mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer's specification and direction of engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8748	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm MATERIAL 37 mm thick Factory made fusion welded shutter with style,rails and panels of PVC extruded section in wooden finish. LABOUR Carpenter (average) Beldar Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.38 sqm Cost of 1 sqm Say	sqm	2.38	2703.00	6433.14
0156		day	0.40	749.00	299.60
0114		day	0.40	645.00	258.00
9999		L.S.	20.36	2.12	43.16
					7033.90 W
					70.34
					7104.24 X
					998.15
					8102.39 Y
					1215.36
					9317.75 Z
					93.18
					9410.92
					3954.17
					3954.15

9.147A Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc.

Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.

Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

- 9.147A.1 Casement window single panel with S.S. friction hinges (300 x 19 x 1.9 mm), made of (small series) frame 47 x 50 mm & sash 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glass pane glazing bead of appropriate dimension. (Area of window upto 0.75 sqm.)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8121	Detail of Cost for uPVC casement window size 0.50×1.35 m = 0.68 sqm MATERIAL uPVC extruded (small series) casement window frame size 47x50mm i/c 5% wastage	metre	3.89	280.00	1089.20
8122	uPVC extruded (small series) casement window sash/window mullion size 47x68 mm i/c 5% wastage	metre	3.68	311.00	1144.48
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash	metre	3.49	100.00	349.00
3991	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window frame, sash, mullion i/c 5% wastage Window Frame = 3.59 M + Window Sash = 3.38 M Total = 6.97 M	metre	6.97	70.00	487.90
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	14.55	15.00	218.25
3995	G.I fasteners 100 x 8 mm	each	8.00	15.00	120.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	2.00	260.00	520.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	1.00	130.00	130.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.12	360.40
0162	LABOUR Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardware's, hire charges of drill machine and electricity charges etc.	sqm	0.68	534.00	363.12

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded casement windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.68 sqm Cost of 1.00 sqm Say	sqm	0.68	773.00	525.64 5307.99 W 53.08 5361.07 X 753.23 6114.30 Y 917.15 7031.45 Z 70.31 7101.76 10443.76 10443.75

9.147A.2 Casement window double panels with S.S. friction hinges (300 x 19 x 1.9 mm) made of (small series) frame 47 x 50 mm, sash 47 x 68 mm & mullion 47 x 68 mm all having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window above 0.75 sqm upto 1.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8121	Detail of cost for uPVC casement window size 1.00×1.35 m = 1.35 sqm. MATERIAL uPVC extruded (small series) casement window frame size 47x50mm i/c 5% wastage	metre	4.94	280.00	1383.20
8122	uPVC extruded (small series) casement window sash/window Mullion size 47x68 mm i/c 5% wastage Window Sash = 7.44 M + Window Mullion= 1.42 M Total = 8.86 M	metre	8.86	311.00	2755.46
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash i/c 5% wastage	metre	7.06	100.00	706.00
3991	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window frame, sash, mullion i/c 5% wastage Window Frame = 4.64 M + Window Sash = 6.64 M + Window Mullion = 1.35 M Total = 12.63 M	metre	12.63	70.00	884.10
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	27.91	15.00	418.65
3995	G.I fasteners 100 x 8 mm	each	10.00	15.00	150.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	4.00	260.00	1040.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	130.00	260.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.35	534.00	720.90
0163	Labour for installation of uPVC extruded casement windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1.35 sqm Cost of 1.00 sqm Say	sqm	1.35	773.00	1043.55 9722.26 W 97.22 9819.48 X 1379.64 11199.12 Y 1679.87 12878.99 Z 128.79 13007.78 9635.39 9635.40

9.147A.3 Casement window double panels with top fixed with S.S. friction hinges (350 x 19 x 1.9 mm) made of (small series) frame 47 x 50 mm, sash 47 x 68 mm & mullion 47 x 68 mm all having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 2.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8121	Detail of cost for uPVC casement window size 1.20 x 1.80 m = 2.16 sqm MATERIAL uPVC extruded (small series) casement window frame size 47x50mm i/c 5% wastage	metre	6.30	280.00	1764.00
8122	uPVC extruded (small series) casement window sash/window Mullion size 47x68mm i/c 5% wastage Window Sash = 7.28 M + Window Mullion = 2.52 M Total = 9.80 M	metre	9.80	311.00	3047.80
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash i/c 5% wastage Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window frame, sash, mullion i/c 5% wastage	metre	10.62	100.00	1062.00
3991	Window Frame = 6.00 M + Window Sash = 6.68 M + Window Mullion = 2.37 M Total = 15.05 M	metre	15.05	70.00	1053.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	37.34	15.00	560.10
3995	G.I fasteners 100 x 8 mm	each	12.00	15.00	180.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	4.00	361.00	1444.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	130.00	260.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.16	534.00	1153.44
0163	Labour for installation of uPVC extruded casement windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm Cost of 1.00 sqm Say	sqm	2.16	773.00	1669.68 12554.92 W 125.55 12680.47 X 1781.61 14462.08 Y 2169.31 16631.39 Z 166.31 16797.70 7776.71 7776.70

9.147A.4 Casement window single panel with S.S. friction hinges (400 x 19 x 1.9 mm) made of (big series)frame 67 x 60 mm & sash 67 x 80 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 0.75 sqm.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8126	Detail of cost for uPVC casement window size 0.70×1.35 m = 0.95 sqm MATERIAL uPVC extruded (big series) casement window frame size 67x60 mm i/c 5% wastage	metre	4.31	351.00	1512.81
8128	uPVC extruded (big series) casement window sash/window mullion size 67x80 mm i/c 5% wastage	metre	4.02	469.00	1885.38
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window sash i/c 5% wastage Galvanized iron reinforcement for :-	metre	3.83	135.00	517.05

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3992	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window frame, sash, mullion, i/c 5% wastage Window Frame = 4.01 M + Window Sash = 3.72 M Total = 7.73 M	metre	7.73	75.00	579.75
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	15.99	15.00	239.85
3995	G.I fasteners 100 x 8 mm	each	10.00	15.00	150.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	2.00	365.00	730.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	1.00	130.00	130.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.95	534.00	507.30
0163	Labour for installation of uPVC extruded casement windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.95 sqm Cost of 1.00 sqm Say	sqm	0.95	773.00	734.35 7346.89 W 73.47 7420.36 X 1042.56 8462.92 Y 1269.44 9732.36 Z 97.32 9829.68 10347.03 10347.05

9.147A.5 Casement window double panels with S.S. friction hinges (350 x 19 x 1.9 mm) made of (big series)frame 67 x 60 mm & sash / mullion 67 x 80 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead/ double glazing bead of appropriate dimension. (Area of window above 1.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8126	Detail of Cost for uPVC casement window size 1.20×1.35 m = 1.62 sqm. MATERIAL uPVC extruded (big series) casement window frame size 67x60 mm i/c 5% wastage	metre	5.36	351.00	1881.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8128	uPVC extruded (big series) casement window sash/window mullion size 67x80 mm i/c 5% wastage Window Sash = 7.71 M + Window Mullion = 1.42 M Total = 9.13 M	metre	9.13	469.00	4281.97
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window sash i/c 5% wastage Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window frame, sash, mullion i/c 5% wastage Window Frame = 5.31 M + Window Sash = 7.11 M + Window Mullion = 1.41 M Total = 13.83 M	metre	7.34	135.00	990.90
3992	EPDM Gasket for uPVC window i/c 5% wastage G.I fasteners 100 x 8 mm Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	metre each	30.62 12.00	15.00 15.00	459.30 180.00
8758	Zinc alloy (white powder coated) casement handle for uPVC window	each	4.00	361.00	1444.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.62	534.00	865.08
0163	Labour for installation of uPVC extruded casement windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1.62 sqm Cost of 1.00 sqm Say	sqm	1.62	773.00	1252.26 13012.52 W 130.13 13142.65 X 1846.54 14989.19 Y 2248.38 17237.56 Z 172.38 17409.94 10746.88 10746.90

9.147A.6 Casement cum fixed panel window having both end single casement panel, middle fixed panels and at top completely fixed ventilator with S.S friction hinges (350 x 19 x 1.9) made of (big series) frame 67 x 60 mm , sash 67 x 80 mm & mullion 67 x 80 mm all having wall thickness of 2.3 ± 0.2 mm and single glazing bead/double glazing bead of appropriate dimension. (Area of window above 3.00 sqm upto 5.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8126	Detail of cost for uPVC casement cum fixed window size 2.50 x 1.60 m = 4.00 sqm. MATERIAL uPVC extruded (big series) casement window frame size 67x60 mm i/c 5% wastage				
8128	uPVC extruded (big series) casement window sash/window mullion size 67x80 mm i/c 5% wastage Window Sash = 6.24 M + Window Mullion = 8.93 M Total = 15.17 M	metre	8.61	351.00	3022.11
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window sash i/c 5% wastage	metre	27.85	135.00	3759.75
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window frame, sash, mullion, big & small series sliding window frame i/c 5% wastage Window Frame = 8.31 M + Window Sash = 5.64 M + Window Mullion = 7.95 M Total = 21.90 M	metre	21.90	75.00	1642.50
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	83.45	15.00	1251.75
3995	G.I fasteners 100 x 8 mm	each	16.00	15.00	240.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	4.00	361.00	1444.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	130.00	260.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.00	534.00	2136.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded casement windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 4.00 sqm Cost of 1.00 sqm Say	sqm	4.00	773.00	3092.00 24323.24 W 243.23 24566.47 X 3451.59 28018.06 Y 4202.71 32220.77 Z 322.21 32542.98 8135.74 8135.75

9.147B Providing and fixing factory made uPVC white colour fixed glazed windows/ ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), , uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.

Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

9.147B.1 Fixed window / ventilator made of (small series) frame 47 x 50 mm & mullion 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area upto 0.75 sqm.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8121	Detail of cost for uPVC fixed window size 1.20×0.50 m = 0.60 sqm. MATERIAL uPVC extruded (small series) fixed window frame size 47x50mm				
8122	uPVC extruded (small series) fixed window mullion size 47x68 mm	metre	3.57	280.00	999.60
8125	uPVC extruded glazing bead of appropriate dimension for small series fixed window Sash Galvanized iron reinforcement for :-	metre	0.53	311.00	164.83
			3.99	100.00	399.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3991	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series fixed window frame and mullion i/c 5% wastage Window Frame = 3.27 M + Window Mullion = 0.98 M Total = 4.25 M	metre	4.25	70.00	297.50
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	8.38	15.00	125.70
3995	G.I fasteners 100 x 8 mm	each	8.00	15.00	120.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.12	360.40
0162	LABOUR Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.				
0163	Labour for installation of uPVC extruded fixed windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.60 sqm Cost of 1.00 sqm Say	sqm	0.60	534.00	320.40
		sqm	0.60	773.00	463.80 3251.23 W 32.51 3283.74 X 461.37 3745.11 Y 561.77 4306.87 Z 43.07 4349.94 7249.91 7249.90

9.147C Providing and fixing factory made uPVC white colour casement/ Casement cum fixed glazed door comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, zinc alloy (white powder coated) 3D hinges and one handle on each side of panels along with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key, G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws, etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass

panes and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.

Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

9.147C.1 Casement door with 3D hinges made of (big series) frame 67 x 64 mm & sash 67 x 110 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door upto 2.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8127	Detail of cost for uPVC casement door size 0.90 x 2.10 m = 1.89 sqm. MATERIAL uPVC extruded (big series) casement door frame size 67x64 mm i/c 5% wastage				
8129	uPVC extruded (big series) casement door sash size 67x110 mm i/c 5% wastage	metre	5.36	396.00	2122.56
8130	uPVC extruded glazing bead of appropriate dimension for big series casement door sash i/c 5% wastage	metre	6.02	568.00	3419.36
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window/door frame, sash, mullion, i/c 5% wastage	metre	5.22	135.00	704.70
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash i/c 5% wastage	metre	5.14	75.00	385.50
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	5.72	100.00	572.00
3995	G.I fasteners 100 x 8 mm	each	22.91	15.00	343.65
8116	Zinc alloy (white powder coated)	each	10.00	15.00	150.00
8117	3D Hinges for uPVC door` Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each	3.00	455.00	1365.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	each set	1.00	2635.00	2635.00
0162	Labour for fabrication of uPVC extruded casement/fixed windows/and door including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	L.S.	170.00	2.12	360.40
		sqm	1.89	534.00	1009.26

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded casement windows and doors including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1.89 sqm Cost of 1.00 sqm Say	sqm	1.89	773.00	1460.97 14528.40 W 145.28 14673.68 X 2061.65 16735.34 Y 2510.30 19245.64 Z 192.46 19438.09 10284.71 10284.70

9.147C.2 Casement door with top hung ventilator with 3D and S.S. friction hinges (400 x 19 x 1.9 mm) made of (big series) frame 67 x 64 mm, sash 67 x 110 mm & mullion 67 x 80 mm all having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension.(Area of door upto 2.50 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8127	Detail of cost for uPVC casement door size 0.90 x 2.70 m = 2.43 sqm MATERIAL uPVC extruded (big series) casement door frame size 67x64 mm i/c 5% wastage				
8129	uPVC extruded (big series) casement door sash size 67x110 mm i/c 5% wastage	metre	6.30	396.00	2494.80
8128	uPVC extruded (big series) casement door sash/mullion size 67x80 mm i/c 5% wastage Door sash (67 mm x 80 mm) = 2.60 M + Door mullion (67 mm x 80 mm) = 0.95 M Total = 3.55 M	metre	6.01	568.00	3413.68
8130	uPVC extruded glazing bead of appropriate dimension for big series casement door sash i/c 5% wastage	metre	3.55	469.00	1664.95
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door frame, sash, mullion, i/c 5% wastage Door Frame = 6.08 M + Ventilator Sash = 2.30 M + Mullion = 0.88 M Total = 9.26 M	metre	8.06	135.00	1088.10
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash i/c 5% wastage	metre	9.26	75.00	694.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	31.98	15.00	479.70
3995	G.I fasteners 100 x 8 mm	each	12.00	15.00	180.00
8116	Zinc alloy (white powder coated)				
8117	3D Hinges for uPVC door Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each	3.00	455.00	1365.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each set	1.00	2635.00	2635.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window/door	each	2.00	365.00	730.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	each	1.00	130.00	130.00
0162	LABOUR	L.S.	170.00	2.12	360.40
0163	Labour for fabrication of uPVC extruded casement doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.43	534.00	1297.62
	Labour for installation of uPVC extruded casement ventilator and doors including scaffolding	sqm	2.43	773.00	1878.39
	TOTAL				18983.14 W
	Add 1 % Water charges on "W"				189.83
	TOTAL				19172.97 X
	Add GST on "X" (multiplying factor 0.1405)				2693.80
	TOTAL				21866.77 Y
	Add 15% CPOH on "Y"				3280.02
	TOTAL				25146.79 Z
	Add Cess @ 1% on "Z"				251.47
	Cost of 2.43 sqm				25398.26
	Cost of 1.00 sqm				10451.96
	Say				10451.95

9.147D Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing

hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.

Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

- 9.147D.1 Two track two panels sliding window made of (small series) frame 52 x 44 mm &sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8133	Detail of cost for uPVC sliding window size 1.20 x 1.35 m = 1.62 sqm. MATERIAL uPVC extruded (small series) 2 track sliding window frame size 52x44 mm i/c 5% wastage				
8137	uPVC extruded (small series) 2 track sliding window sash size 32x60mm i/c 5% wastage	metre	5.36	314.00	1683.04
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	7.90	291.00	2298.90
8131	uPVC extruded glazing bead of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	2.69	88.00	236.72
3991	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series 2 track sliding window frame and sash i/c 5% wastage 2 Track Sliding (Window Frame = 5.06 M + Window Sash = 7.30 M) Total = 12.36 M	metre	6.92	66.00	456.72
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	12.36	70.00	865.20
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	13.84	15.00	207.60
3995	G.I fasteners 100 x 8 mm	each	18.48	20.00	369.60
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	12.00	15.00	180.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	2.00	114.00	228.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	each	4.00	60.00	240.00
		L.S.	170.00	2.12	360.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.				
0163	Labour for installation of uPVC extruded sliding windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1.62 sqm Cost of 1.00 sqm Say	sqm	1.62	534.00	865.08
		sqm	1.62	773.00	1252.26 9243.52 W 92.44 9335.96 X
					1311.70 10647.66 Y 1597.15 12244.81 Z 122.45 12367.25 7634.11 7634.10

9.147D.2 Three track three panels sliding window with fly proof SS wire mesh (Two nos. glazed & one no. wire mesh panels) made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension (Area of window upto 1.75 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8135	Detail of cost for uPVC sliding window size 1.20×1.35 m = 1.62 sqm. MATERIAL uPVC extruded (small series) 3 track sliding window frame size 92x44 mm i/c 5% wastage				
8137	uPVC extruded (small series) 3 track sliding window sash size 32x60mm i/c 5% wastage	metre	5.06	418.00	2115.08
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	11.84	291.00	3445.44
8131	uPVC extruded glazing bead of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	4.04	88.00	355.52
3991	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series sliding window frame and sash i/c 5% wastage 3 Track Sliding (Window Frame = 9.52 m + Window Sash = 10.94 m) Total = 20.46 M	metre	10.38	66.00	685.08
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	20.46	70.00	1432.20
		metre	20.76	15.00	311.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	27.72	20.00	554.40
3995	G.I fasteners 100 x 8 mm	each	12.00	15.00	180.00
8751	Zinc alloy (white powder coated) touch lock with hook for upVC window	each	2.00	114.00	228.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	60.00	360.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.				
0163	Labour for installation of uPVC extruded sliding windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1.62 sqm Cost of 1.00 sqm Say	sqm	1.62	534.00	865.08
					1252.26
					12144.86 W
					121.45
					12266.31 X
					1723.42
					13989.72 Y
					2098.46
					16088.18 Z
					160.88
					16249.07
					10030.29
					10030.30

9.147D.3 Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension . (Area of window above 1.75 sqm upto 2.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8134	Detail of cost for uPVC sliding window size 1.50 x 1.35 m = 2.03sqm MATERIAL uPVC extruded (big series) 2 track sliding window frame size 67x50mm i/c 5% wastage				
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm i/c 5% wastage	metre	5.99	424.00	2539.76
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	8.36	357.00	2984.52
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	2.65	98.00	259.70
		metre	7.64	85.00	649.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (2 track sliding window frame i/c 5% wastage)	metre	5.69	75.00	426.75
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (2 track sliding window sash i/c 5% wastage)	metre	7.76	90.00	698.40
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	15.28	15.00	229.20
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	19.37	20.00	387.40
3995	G.I fasteners 100 x 8 mm	each	14.00	15.00	210.00
8751	Zinc alloy (white powder coated) touch lock with hook for upVC window	each	2.00	114.00	228.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	4.00	60.00	240.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.03	534.00	1084.02
0163	Labour for installation of uPVC extruded sliding windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.03 sqm Cost of 1.00 sqm Say	sqm	2.03	773.00	1569.19 11866.74 W 118.67 11985.41 X 1683.95 13669.36 Y 2050.40 15719.76 Z 157.20 15876.96 7821.16 7821.15

9.147D.4 Three track three panels sliding window with fly proof S.S wire mesh (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 1.80×1.35 m = 2.43 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8136	MATERIAL uPVC extruded (big series) 3 track sliding window frame size 116x45mm i/c 5% wastage	metre	6.62	583.00	3859.46
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm i/c 5% wastage	metre	13.49	358.00	4829.42
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	3.98	98.00	390.04
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	11.91	85.00	1012.35
3992	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (3 track sliding window frame i/c 5% wastage)	metre	12.64	75.00	948.00
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (3 track sliding window sash i/c 5% wastage)	metre	12.59	90.00	1133.10
7390	EPDM Gasket for upVC window i/c 5% wastage	metre	23.81	15.00	357.15
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	30.96	20.00	619.20
3995	G.I fasteners 100 x 8 mm	each	16.00	15.00	240.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	114.00	228.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	60.00	360.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.12	360.40
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.				
0163	Labour for installation of uPVC extruded casement/ sliding windows including scaffolding	sqm	2.43	534.00	1297.62
	TOTAL Add 1 % Water charges on "W"				17513.13 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				175.13 X
	TOTAL Add 15% CPOH on "Y"				17688.26 Y
	TOTAL Add Cess @ 1% on "Z"				2485.20 Z
	Cost of 2.43 sqm				20173.46 Y
	Cost of 1.00 sqm				3026.02 Z
	Say				23199.48 Z
					231.99 Y
					23431.48 Z
					9642.58 Y
					9642.60 Z

9.147D.5 Three track three panels sliding window made of (big series) frame 116 x 45 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8136	Detail of cost for uPVC sliding window size 1.80 x 1.35 m = 2.43 sqm. MATERIAL uPVC extruded (big series) 3 track sliding window frame size 116x45mm i/c 5% wastage	metre	6.62	583.00	3859.46
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm i/c 5% wastage	metre	11.85	358.00	4242.30
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	5.30	98.00	519.40
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (3 track sliding window frame i/c 5% wastage)	metre	10.26	85.00	872.10
3992	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (3 track sliding window sash i/c 5% wastage)	metre	12.64	75.00	948.00
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (3 track sliding window sash i/c 5% wastage)	metre	10.95	90.00	985.50
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	20.52	15.00	307.80
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	29.00	20.00	580.00
3995	G.I fasteners 100 x 8 mm	each	16.00	15.00	240.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	114.00	228.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	60.00	360.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.43	534.00	1297.62

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded sliding windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.43 sqm Cost of 1.00 sqm Say	sqm	2.43	773.00	1878.39 16678.97 W 166.79 16845.76 X 2366.83 19212.59 Y 2881.89 22094.48 Z 220.94 22315.42 9183.30 9183.30

9.147E Providing and fixing factory made uPVC white colour sliding glazed window above 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads, uPVC extruded interlocks and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle on one side of extreme panel along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) touch lock with hook (if required for wire mesh panel), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.

Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

9.147E.1 Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 2.50 sqm upto 4.00 sqm.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8134	Detail of cost for uPVC sliding window size 1.50 x 2.40 m = 3.60 sqm. MATERIAL uPVC extruded (big series) 2 track sliding window frame size 67x50mm i/c 5% wastage	metre	8.19	424.00	3472.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm i/c 5% wastage	metre	12.77	357.00	4558.89
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	4.86	98.00	476.28
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	12.04	85.00	1023.40
3992	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (2 track sliding window frame i/c 5% wastage)	metre	7.89	75.00	591.75
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (2 track sliding window sash i/c 5% wastage)	metre	12.17	90.00	1095.30
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	24.08	15.00	361.20
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	30.40	20.00	608.00
3995	G.I fasteners 100 x 8 mm	each	16.00	15.00	240.00
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window	each set	2.00	1535.00	3070.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding window	each	4.00	105.00	420.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	3.60	534.00	1922.40
0163	Labour for installation of uPVC extruded sliding windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 3.60 sqm Cost of 1.00 sqm Say	sqm	3.60	773.00	2782.80 20982.98 W 209.83 21192.81 X 2977.59 24170.40 Y 3625.56 27795.96 Z 277.96 28073.92 7798.31 7798.30

9.147E.2 Two track four panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 4.00 sqm upto 8.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8134	Detail of cost for uPVC sliding window size 3.00 x 2.40 m = 7.20 sqm. MATERIAL uPVC extruded (big series) 2 track sliding window frame size 67x50mm i/c 5% wastage	metre	11.34	424.00	4808.16
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm i/c 5% wastage	metre	25.75	357.00	9192.75
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	9.71	98.00	951.58
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	2.40	98.00	235.20
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	24.31	85.00	2066.35
3992	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (2 track sliding window frame i/c 5% wastage)	metre	11.04	75.00	828.00
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (2 track sliding window sash i/c 5% wastage)	metre	24.55	90.00	2209.50
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	48.62	15.00	729.30
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	61.21	20.00	1224.20
3995	G.I fasteners 100 x 8 mm	each	24.00	15.00	360.00
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window	each set	2.00	1535.00	3070.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding window	each	8.00	105.00	840.00
8754	Zinc alloy (white powder coated) crescent lock for uPVC sliding window	each	2.00	110.00	220.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.12	360.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.				
0163	Labour for installation of uPVC extruded sliding windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 7.20 sqm Cost of 1.00 sqm Say	sqm	7.20	534.00	3844.80
				773.00	5565.60
					36505.84 W
					365.06
					36870.90 X
					5180.36
					42051.26 Y
					6307.69
					48358.95 Z
					483.59
					48842.54
					6783.69
					6783.70

9.147F Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.

Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

9.147F.1 Two track two panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8134	Detail of cost for sliding door size 2.00 x 2.10 m = 4.20 sqm. MATERIAL uPVC extruded (big series) 2 track sliding door frame size 67x50mm i/c 5% wastage	metre	8.61	424.00	3650.64
8143	uPVC extruded 2 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	12.60	385.00	4851.00
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	4.23	98.00	414.54
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door Sash i/c 5% wastage	metre	11.54	85.00	980.90
3992	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frame (2 track sliding door frame i/c 5% wastage)	metre	8.31	75.00	623.25
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (2 track sliding door sash i/c 5% wastage)	metre	12.00	90.00	1080.00
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	23.08	15.00	346.20
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	29.43	20.00	588.60
3995	G.I fasteners 100 x 8 mm	each	18.00	15.00	270.00
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each set	2.00	1265.00	2530.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	4.00	105.00	420.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.20	534.00	2242.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded sliding doors including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 4.20 sqm Cost of 1.00 sqm Say	sqm	4.20	773.00	3246.60 21604.93 W 216.05 21820.98 X 3065.85 24886.83 Y 3733.02 28619.85 Z 286.20 28906.05 6882.39 6882.40

9.147F.2 Two track four panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 8.00 sqm upto 10.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8134	Detail of cost for uPVC sliding door size 4.00 x 2.10 m = 8.40 sqm. MATERIAL uPVC extruded (big series) 2 track sliding door frame size 67x50mm i/c 5% wastage	metre	12.81	424.00	5431.44
8143	uPVC extruded 2 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	25.42	385.00	9786.70
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	8.45	98.00	828.10
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding door sash	metre	2.10	98.00	205.80
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door Sash	metre	23.30	85.00	1980.50
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frame (2 track sliding door frame i/c 5% wastage)	metre	12.51	75.00	938.25
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (2 track sliding door sash i/c 5% wastage)	metre	24.22	90.00	2179.80
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	46.60	15.00	699.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	59.29	20.00	1185.80
3995	G.I fasteners 100 x 8 mm	each	26.00	15.00	390.00
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each set	2.00	1265.00	2530.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	8.00	105.00	840.00
8754	Zinc alloy (white powder coated) crescent lock for uPVC sliding door	each	2.00	110.00	220.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	8.40	534.00	4485.60
0163	Labour for installation of uPVC extruded sliding doors including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 8.40 sqm Cost of 1.00 sqm Say	sqm	8.40	773.00	6493.20 38554.59 W 385.55 38940.14 X 5471.09 44411.22 Y 6661.68 51072.91 Z 510.73 51583.64 6140.91 6140.90

9.147F.3 Three track three panels sliding door made of (big series) frame 116 x 45 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead/ double glazing bead of appropriate dimension. (Area of door above 5.00 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8136	Detail of cost for uPVC sliding door size 3.00 x 2.10 m = 6.30 sqm. MATERIAL uPVC extruded (big series) 3 track sliding door frame size 116x45mm i/c 5% wastage	metre	10.71	583.00	6243.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8143	uPVC extruded 3 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	19.09	385.00	7349.65
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	8.45	98.00	828.10
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door i/c 5% wastage	metre	17.51	85.00	1488.35
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frames (3 track sliding door frame i/c 5% wastage)	metre	20.82	75.00	1561.50
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (3 track sliding door sash i/c 5% wastage)	metre	18.19	90.00	1637.10
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	35.01	15.00	525.15
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	46.63	20.00	932.60
3995	G.I fasteners 100 x 8 mm	each	24.00	15.00	360.00
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each set	2.00	1265.00	2530.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	6.00	105.00	630.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.				
0163	Labour for installation of uPVC extruded sliding doors including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 6.30 sqm Cost of 1.00 sqm Say	sqm	6.30	534.00	3364.20
		sqm	6.30	773.00	4869.90 32680.88 W 326.81 33007.69 X 4637.58 37645.27 Y 5646.79 43292.06 Z 432.92 43724.98 6940.47 6940.45

9.147F.4 Three track three panels sliding door with fly proof S.S wire mesh (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8136	Detail of cost for uPVC sliding door size 2.00 x 2.10 m = 4.20 sqm MATERIAL uPVC extruded (big series) 3 track sliding door frame size 116x45mm i/c 5% wastage	metre	8.61	583.00	5019.63
8143	uPVC extruded 3 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	18.90	385.00	7276.50
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	6.34	98.00	621.32
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door Sash i/c 5% wastage Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frame (3 track sliding door frame i/c 5% wastage)	metre	17.82	85.00	1514.70
3992	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (3 track sliding door sash i/c 5% wastage)	metre	8.31	75.00	623.25
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (3 track sliding door sash i/c 5% wastage)	metre	18.00	90.00	1620.00
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	36.64	15.00	549.60
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	44.14	20.00	882.80
3995	G.I fasteners 100 x 8 mm	each	18.00	15.00	270.00
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each set	2.00	1265.00	2530.00
8749	Zinc alloy (white powder coated) touch lock with hook for wire mesh shutter	each	1.00	133.00	133.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	6.00	105.00	630.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.12	360.40
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.20	534.00	2242.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded sliding doors including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 4.20 sqm Cost of 1.00 sqm Say	sqm	4.20	773.00	3246.60 27520.60 W 275.21 27795.81 X 3905.31 31701.12 Y 4755.17 36456.28 Z 364.56 36820.85 8766.87 8766.85

9.148 Providing and fixing stainless steel (SS-304 grade) friction hinges to the side/ top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge.

9.148.1 200 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8755	Details of cost for 10 Nos MATERIAL Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows	each	10.00	212.00	2120.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	35.84	14.34
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR Carpenter 2nd class	day	0.14	714.00	99.96
0114	Beldar	day	0.14	645.00	90.30
	TOTAL Add 1 % Water charges on "W"				2330.38 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				330.69
	TOTAL Add 15% CPOH on "Y"				2684.38 Y
	TOTAL Add Cess @ 1% on "Z"				402.66
	Cost of 10 Nos				3087.04 Z
	Cost of 1 No				30.87
	Say				3117.91
					311.79
					311.80

9.148.2 250 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8756	Details of cost for 10 Nos MATERIAL Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for uPVC windows	each	10.00	237.00	2370.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8647	Stainless steel screws 30mm x4mm.				14.34
9977	Carriage of materials	L.S.	0.40 2.73	35.84 2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.14	645.00	90.30
	TOTAL				2580.38 W
	Add 1 % Water charges on "W"				25.80
	TOTAL				2606.19 X
	Add GST on "X" (multiplying factor 0.1405)				366.17
	TOTAL				2972.36 Y
	Add 15% CPOH on "Y"				445.85
	TOTAL				3418.21 Z
	Add Cess @ 1% on "Z"				34.18
	Cost of 10 Nos				3452.39
	Cost of 1 No				345.24
	Say				345.25

9.148.3 300 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8757	Details of cost for 10 Nos MATERIAL Stainless steel friction hinge of size 300 mm x 19 x 1.9 mm for uPVC windows	each	10.00	260.00	2600.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	35.84	14.34
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.14	645.00	90.30
	TOTAL				2810.38 W
	Add 1 % Water charges on "W"				28.10
	TOTAL				2838.49 X
	Add GST on "X" (multiplying factor 0.1405)				398.81
	TOTAL				3237.29 Y
	Add 15% CPOH on "Y"				485.59
	TOTAL				3722.89 Z
	Add Cess @ 1% on "Z"				37.23
	Cost of 10 Nos				3760.12
	Cost of 1 No				376.01
	Say				376.00

9.148.4 350 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8758	Details of cost for 10 Nos MATERIAL Stainless steel friction hinge of size 350 mm x 19 x 1.9 mm for uPVC windows	each	10.00	361.00	3610.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8647	Stainless steel screws 30mm x4mm.		100 Nos	35.84	14.34
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.14	645.00	90.30
	TOTAL				3820.38 W
	Add 1 % Water charges on "W"				38.20
	TOTAL				3858.59 X
	Add GST on "X" (multiplying factor 0.1405)				542.13
	TOTAL				4400.72 Y
	Add 15% CPOH on "Y"				660.11
	TOTAL				5060.83 Z
	Add Cess @ 1% on "Z"				50.61
	Cost of 10 Nos				5111.44
	Cost of 1 No				511.14
	Say				511.15

9.148.5 400 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8759	Details of cost for 10 Nos MATERIAL Stainless steel friction hinge of size 400 mm x 19 x 1.9 mm for uPVC windows	each	10.00	365.00	3650.00
8647	Stainless steal screws 30mm x4mm.	100 Nos	0.40	35.84	14.34
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0112	LABOUR				
0114	Carpenter 2nd class	day	0.14	714.00	99.96
	Beldar	day	0.14	645.00	90.30
	TOTAL				3860.38 W
	Add 1 % Water charges on "W"				38.60
	TOTAL				3898.99 X
	Add GST on "X" (multiplying factor 0.1405)				547.81
	TOTAL				4446.80 Y
	Add 15% CPOH on "Y"				667.02
	TOTAL				5113.81 Z
	Add Cess @ 1% on "Z"				51.14
	Cost of 10 Nos				5164.95
	Cost of 1 No				516.50
	Say				516.50

9.149 Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8750	Details of cost for 10 Nos MATERIAL Zinc alloy (white powder coated) casement handle for uPVC windows	each	10.00	130.00	1300.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of materials	L.S.	4.42	2.12	9.37
9999	Sundries(Screws)	L.S.	3.00	2.12	6.36
0156	LABOUR Carpenter (average) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 Nos Cost of 1 No Say	day	0.125	749.00	93.63 1409.36 W 14.09 1423.45 X 199.99 1623.44 Y 243.52 1866.96 Z 18.67 1885.63 188.56 188.55

9.150 Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8751	Details of cost for 10 Nos MATERIAL Zinc alloy (white powder coated) Touch Lock for uPVC windows	each	10.00	114.00	1140.00
9977	Carriage of materials	L.S.	4.42	2.12	9.37
9999	Sundries(Screws)	L.S.	3.00	2.12	6.36
0156	LABOUR Carpenter (average) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 Nos Cost of 1 No Say	day	0.125	749.00	93.63 1249.36 W 12.49 1261.85 X 177.29 1439.14 Y 215.87 1655.01 Z 16.55 1671.56 167.16 167.15

9.151 Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8752	Details of cost for 10 Nos MATERIAL Zinc alloy rollers for uPVC windows	each	10.00	60.00	600.00
9977	Carriage of materials	L.S.	4.42	2.12	9.37
9999	Sundries(Screws)	L.S.	3.00	2.12	6.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR Carpenter (average) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 Nos Cost of 1 No Say	day	0.125	749.00	93.63 709.36 W 7.09 716.45 X 100.66 817.11 Y 122.57 939.68 Z 9.40 949.07 94.91 94.90

9.152 Providing and fixing steel roller for uPVC sliding door with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8753	Details of cost for 10 Nos MATERIAL Zinc alloy rollers for uPVC door	each	10.00	105.00	1050.00
9977	Carriage of materials	L.S.	4.42	2.12	9.37
9999	Sundries(Screws)	L.S.	3.00	2.12	6.36
0156	LABOUR Carpenter (average) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 Nos Cost of 1 No Say	day	0.125	749.00	93.63 1159.36 W 11.59 1170.95 X 164.52 1335.47 Y 200.32 1535.79 Z 15.36 1551.15 155.11 155.10

9.153 Providing and fixing steel (white power coated) crescent lock for uPVC sliding window/ door with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8754	Details of cost for 10 Nos MATERIAL Zinc alloy (white powder coated) casement lock for uPVC windows	each	10.00	110.00	1100.00
9977	Carriage of materials	L.S.	4.42	2.12	9.37
9999	Sundries(Screws)	L.S.	3.00	2.12	6.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR Carpenter (average) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 Nos Cost of 1 No Say	day	0.125	749.00	93.63 1209.36 W 12.09 1221.45 X 171.61 1393.06 Y 208.96 1602.02 Z 16.02 1618.04 161.80 161.80

9.154 Providing and fixing frame work for partitions/ wall lining etc. made of 50x50x1.6 mm hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically & horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/ floors with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc., including providing with two coats of approved steel primer etc. complete, all as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4009	Details of cost for 2.4x2.4 m panel=5.76m ² or 58.35 Kg MATERIAL M.S.Pipe section @ 10.13 kg/sqm =58.35 Kg+ Add 5% wastage = 2.92 Kg Total = 61.27 Kg Mild steel tubes hot finished welded type	kilogram	61.27	60.00	3676.20
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt Steel primer	each	20.00	17.00	340.00
13.50.3	5 x 2 x 2.40 x 0.05 x 4 = 4.80 sqm Rate as per Item No.13.50.3 of SH:FINISHING LABOUR	sqm	4.80	55.50	266.40 A
0116	Fitter (grade 1)	day	0.40	784.00	313.60
0103	Blacksmith 2nd class	day	0.53	714.00	378.42
0114	Beldar	day	1.23	645.00	793.35
0100	Bandhani	day	0.06	714.00	42.84

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 58.35 kg Cost of 1 kg Say	L.S.	33.56	2.12	71.15 5881.96 W 56.16 5938.11 X 796.88 6734.99 Y 970.29 7705.28 Z 74.39 7779.67 133.33 133.35

9.155 Providing and fixing panelling or paneling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebated to be measured). Panelling for panelled and glazed shutters 25mm to 40mm thick: Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2484	Details of cost for 0.66 sqm Detail of cost for a door with 2/3rd paneling. 200 x 108 cm = 2.16 sqm Pannel area 4x45.1x36.55cm = 0.66 sqm MATERIAL Both side laminated 12mm thick MDF Board 4x47.2x38.65 cm = 0.73 sqm Adding 10% wastage = 0.07 sqm Total= 0.80 sqm Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587				
9999	Sundries (Carriage of MDF board) LABOUR	sqm L.S.	0.80 1.82	469.00 2.12	375.20 3.86
0111	Carpenter 1 st class	day	0.57	784.00	446.88
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.66 sqm. Cost of 1 sqm. Say	L.S.	4.42	2.12 118.53 962.20 Y 144.33 1106.53 Z 11.07 1117.59 1693.32 1693.30	9.37 835.31 W 8.35 843.66 X 118.53 962.20 Y 144.33 1106.53 Z 11.07 1117.59 1693.32 1693.30

- 9.156 Providing and fixing Pre -laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately).**
- 9.156.1 Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2484	Details of cost for 7.00 sqm Detail of cost for 350x200 cm = 7sqm MATERIAL 12 mm thick both side laminated board = 7.00 sqm Add for wastage @5% = 0.35 sqm Total= 7.35 sqm Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	sqm	7.35	469.00	3447.15
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.12	28.66
9999	Sundries and screws	L.S.	26.91	2.12	57.05
0112	LABOUR Carpenter 2nd class	day	0.90	714.00	642.60
0114	Beldar	day	1.00	645.00	645.00
	TOTAL				4820.46 W
	Add 1 % Water charges on "W"				48.20
	TOTAL				4868.67 X
	Add GST on "X" (multiplying factor 0.1405)				684.05
	TOTAL				5552.71 Y
	Add 15% CPOH on "Y"				832.91
	TOTAL				6385.62 Z
	Add Cess @ 1% on "Z"				63.86
	Cost of 7.00 sqm.				6449.48
	Cost of 1 sqm.				921.35
	Say				921.35

- 9.156.2 Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick confirming to IS:14587**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2485	Detail of cost for 350x200 cm = 7 sqm MATERIAL 18 mm thick both side laminated board = 7.00 sqm Add for wastage @5% = 0.35 sqm Total= 7.35 sqm Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick confirming to IS:14587	sqm	7.35	609.00	4476.15
9999	Sundries (Carriage of MDF board)	L.S.	19.76	2.12	41.89
9999	Sundries and screws	L.S.	26.91	2.12	57.05
0112	LABOUR Carpenter 2nd class	day	0.90	714.00	642.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 7.00 sqm. Cost of 1 sqm. Say	day	1.00	645.00	645.00 5862.69 W 58.63 5921.32 X 831.95 6753.26 Y 1012.99 7766.25 Z 77.66 7843.91 1120.56 1120.55

9.157 Providing and fixing Pre-laminated medium density fibre board IS: 14587:1998 marked, with one side decorative lamination other side balancing lamination Grade-I(exterior grade) in shelves with screws and fittings wherever required, edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand (fittings to be paid separately).

9.157.1 Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick confirming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2488	Details of cost for 0.60 sqm. Detail of cost for 4 Nos. 75x20 cm shelves = 0.60 sqm MATERIAL 18 mm Thick MDF Board out side laminated = 0.60 sqm Add wastage @ 5% = 0.03 sqm Total= 0.63 sqm Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick confirming to IS:14587 PVC edge bending tape 2.00 mm thick 4X0.75 =3.00 metre	sqm	0.63	582.00	366.66
2489 9999	PVC edge bending tape 2.00 mm thick Sundries (Carriage of MDF board)	metre L.S.	3.00 0.91	21.00 2.12	63.00 1.93
0112 0114 9999	LABOUR Carpenter 2nd class Beldar Sundries and screws TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.60 sqm. Cost of 1 sqm. Say	day day L.S.	0.11 0.06 7.80	714.00 645.00 2.12 80.23 651.25 Y 97.69 748.93 Z 7.49 756.42 1260.71 1260.70	78.54 38.70 16.54 565.37 W 5.65 571.02 X 80.23 651.25 Y 97.69 748.93 Z 7.49 756.42 1260.71 1260.70

9.157.2 Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2486	Details of cost for 0.60 sqm. Detail of cost for 4 Nos. 75x20 cm shelves = 0.60 sqm MATERIAL 25 mm Thick MDF Board outside laminated = 0.60 sqm Add wastage @ 5% = 0.03 sqm Total= 0.63 sqm Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587 PVC edge bending tape 2.00 mm thick 4X 0.75 =3.00 metre	sqm	0.63	877.00	552.51
2489 9999	PVC edge bending tape 2.00 mm thick Sundries (Carriage of MDF board)	metre L.S.	3.00 1.82	21.00 2.12	63.00 3.86
0112 0114 9999	LABOUR Carpenter 2nd class Beldar Sundries and screws	day day L.S.	0.11 0.06 7.80	714.00 645.00 2.12	78.54 38.70 16.54
	TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.60 sqm. Cost of 1 sqm. Say				753.14 W 7.53 760.68 X 106.87 867.55 Y 130.13 997.68 Z 9.98 1007.66 1679.43 1679.45

9.158 Providing and fixing in wall lining medium density fibre board IS: 14587:1998 marked, Pre-laminated one side decorative lamination and other side balancing lamination, with necessary fixing arrangement and screws etc. complete.

9.158.1 12 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2487	Details of cost for 10.00 sqm MATERIAL 12 mm thick MDF Board Grade-I ,one side laminated = 10.00 sqm Add wastage @10 % = 1.00 sqm Total= 11.00 sqm Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	sqm	11.00	439.00	4829.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.12	28.66
9999	Sundries and screws	L.S.	26.91	2.12	57.05
	LABOUR				
0112	Carpenter 2nd class	day	1.28	714.00	913.92
0114	Beldar	day	1.43	645.00	922.35
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	22.00	1210.00
	TOTAL				7960.98 W
	Add 1 % Water charges on "W"				79.61
	TOTAL				8040.59 X
	Add GST on "X" (multiplying factor 0.1405)				1129.70
	TOTAL				9170.29 Y
	Add 15% CPOH on "Y"				1375.54
	TOTAL				10545.84 Z
	Add Cess @ 1% on "Z"				105.46
	Cost of 10.00 sqm.				10651.30
	Cost of 1 sqm.				10651.13
	Say				1065.15

9.158.2 18 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2488	Details of cost for 10.00 sqm MATERIAL 18 mm thick MDF Board Grade-I ,one side laminated = 10.00 sqm Add wastage @10 % = 1.00 sqm Total= 11.00 sqm Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick confirming to IS:14587	sqm	11.00	582.00	6402.00
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.12	28.66
9999	Sundries and screws	L.S.	26.91	2.12	57.05
	LABOUR				
0112	Carpenter 2nd class	day	1.28	714.00	913.92
0114	Beldar	day	1.43	645.00	922.35
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	22.00	1210.00
	TOTAL				9533.98 W
	Add 1 % Water charges on "W"				95.34
	TOTAL				9629.32 X
	Add GST on "X" (multiplying factor 0.1405)				1352.92
	TOTAL				10982.24 Y
	Add 15% CPOH on "Y"				1647.34
	TOTAL				12629.58 Z
	Add Cess @ 1% on "Z"				126.30
	Cost of 10.00 sqm.				12755.87
	Cost of 1 sqm.				1275.59
	Say				1275.60

9.158.3 25 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2486	Details of cost for 10.00 sqm MATERIAL 25 mm thick MDF Board Grade-I ,one side laminated = 10.00 sqm Add wastage @10 % = 1.00 sqm Total= 11.00 sqm Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587	sqm	11.00	877.00	9647.00
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.12	28.66
9999	Sundries and screws	L.S.	26.91	2.12	57.05
0112	LABOUR Carpenter 2nd class	day	1.28	714.00	913.92
0114	Beldar	day	1.43	645.00	922.35
7048	Rawl plug 50 mm (designation 10 nos) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10.00 sqm. Cost of 1 sqm. Say	each	55.00	22.00	1210.00
					12778.98 W
					127.79
					12906.77 X
					1813.40
					14720.17 Y
					2208.03
					16928.20 Z
					169.28
					17097.48
					1709.75
					1709.75

9.159 Providing and fixing 25mm thick pre-laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked with one side decorative and other side balancing lamination for cupboard shutters edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2486	Details of cost for 2.20 sqm (2.20 m x 1.00 m) MATERIAL Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587	sqm	2.20	877.00	1929.40
9999	Sundries (Carriage of MDF board) PVC edge bending tape 2.00 mm thick $2 \times (2.20 + 1.00) = 6.40$ metre	L.S.	26.94	2.12	57.11

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2489	PVC edge bending tape 2.00 mm thick Fitting for a door of 2.20 m x1.00 m Total = 2(2.20) = 4.40 metre	metre	6.40	21.00	134.40
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	4.40	39.00	171.60
0639	Bright finished or black enameled mild steel screws 25 mm LABOUR For fixing shutter and fittings Carpenter (average)	100 Nos	1.25	40.00	50.00
0156	Beldar	day	0.55	749.00	411.95
0114	TOTAL Add 1 % Water charges on "W"	day	0.55	645.00	354.75
	TOTAL Add GST on "X" (multiplying factor 0.1405)				3109.21 W
	TOTAL Add 15% CPOH on "Y"				31.09
	TOTAL Add Cess @ 1% on "Z"				3140.30 X
	Cost of 2.20 sqm.				441.21
	Cost of 1 sqm.				537.23
	Say				4118.75 Z
					41.19
					4159.93
					1890.88
					1890.90

9.160 Providing and fixing skirting with pre-laminated medium density fibre board exterior grade (Grade-I) conforming to IS: 14587:1998 marked, with (one side decorative and other side balancing lamination and edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand with necessary fixing arrangements and screws, including drilling necessary holes for rawl plugs etc. all complete.

9.160.1 18 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2488	Details of cost for 6.00 sqm Detail of cost for skirting 200 mm wide & 30 m long Area 0.20 mx30 m = 6.0 sqm Add wastage @ 10 % = 0.60 sqm Total = 6.60 sqm MATERIAL Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick confirming to IS:14587				
9999	Sundries (Carriage of MDF board)	sqm	6.60	582.00	3841.20
2489	PVC edge bending tape 2.00 mm thick	L.S.	8.11	2.12	17.19
7048	Rawl plug 50 mm (designation 10 nos)	metre	30.00	21.00	630.00
9999	Sundries (Labour for drilling hole)	each	102.00	22.00	2244.00
	LABOUR	L.S.	130.00	2.12	275.60
0112	Carpenter 2nd class	day	0.77	714.00	549.78
0114	Beldar	day	0.86	645.00	554.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (screws and sand paper) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 6.00 sqm. Cost of 1 sqm. Say	L.S.	53.82	2.12	114.10 8226.57 W 82.27 8308.84 X 1167.39 9476.23 Y 1421.43 10897.66 Z 108.98 11006.64 1834.44 1834.45

9.160.2 25 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2486	Details of cost for 6.00 sqm Detail of cost for skirting 200 mm wide & 30 m long Area 0.20 mx30 m = 6.0 sqm Add wastage @ 10 % = 0.60 sqm Total = 6.60 sqm MATERIAL Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587	sqm	6.60	877.00	5788.20
9999	Sundries (Carriage of MDF board)	L.S.	8.11	2.12	17.19
2489	PVC edge bending tape 2.00 mm thick	metre	30.00	21.00	630.00
7048	Rawl plug 50 mm (designation 10 nos)	each	102.00	22.00	2244.00
9999	Sundries (Labour for drilling hole)	L.S.	130.00	2.12	275.60
0112	Carpenter 2nd class	day	0.77	714.00	549.78
0114	Beldar	day	0.86	645.00	554.70
9999	Sundries (screws and sand paper) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 6.00 sqm. Cost of 1 sqm. Say	L.S.	53.82	2.12	114.10 10173.57 W 101.74 10275.31 X 1443.68 11718.99 Y 1757.85 13476.84 Z 134.77 13611.60 2268.60 2268.60

9.161 Providing and fixing fire resistant door frame of section 50 x 60 mm on horizontal side & 35 x 60 mm on vertical sides having built in rebate made out of 1.6 mm thick GI sheet (Zinc coating not less than 120gm/sqm) suitable for mounting 120 minutes Fire Rated Glazed Door Shutters. The frame shall be filled with mineral wool Insulation having density minimum 96Kg/cum. The frame will have a provision of G.I. anchor fastners 14 nos (5 each on vertical style & 4 on horizontal style of size M10 x 80) suitable for fixing in the opening along with factory made template for SS ball bearing hinges of Size 100x89x3mm for fixing of fire rated glazed shutter. The frame shall be finished with a approved fire resistant primer or powder coating of not less than 30 micron in desired shade as per the directions of Engineer - in- Charge. (Cost of SS ball bearing hinges is excluded).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8017	Details of cost for 5.81 metre (2.05+1.71+2.05) (Door size- 1710 x 2050 mm) MATERIAL: Fire Rated door Frame made with 1.6 mm thick G.I. Sheet (120 minutes)	metre	5.81	1200.00	6972.00
9999	LABOUR: For fixing in position all complete Sundries and carriage (Fasteners, sims, Hole Plugs etc)	L.S.	130.00	2.12	275.60
9999	TOTAL Add 1 % Water charges on "W"	L.S.	250.00	2.12	530.00
	TOTAL Add GST on "X" (multiplying factor 0.1405)				7777.60 W 77.78 7855.38 X
	TOTAL Add 15% CPOH on "Y"				1103.68 8959.06 Y 1343.86
	TOTAL Add Cess @ 1% on "Z"				10302.91 Z 103.03
	Cost of 5.81 metre				10405.94
	Cost of 1 metre				1791.04
	Say				1791.05

9.162 Providing and fixing 60 mm thick glazed fire resistant door shutters of 120 minutes fire rating conforming to IS:3614 (Part II) or EN1634-1:1999, tested and certified as per laboratory approved by Engineer-in-Charge, with suitable mounting on door frame, consisting of vertical styles, top rail & side rail 60 mm x 60 mm wide and bottom rail of 110 mm x 60 mm made out of 1.6mm thick G.I. sheet (zinc coating not less than 120gm/sqm) duly filled mineral wool insulation having density minimum 96 kg/cum and fixing with necessary stainless steel ball bearing hinges of size 100x89x3mm of approved make, including applying a coat of approved fire resistant primer or powder coating not less than 30 micron etc all complete as per direction of Engineer-in-Charge (panelling to be paid for seperately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.50 sqm (Door size- 1710 x 2050 mm) material				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8018	MATERIAL: Fire Rated door shutter made with 1.6 mm thick Sheet (120 minutes), including hinges but without glass panels but including wastages				
8101	Stainless steel ball bearing hinges of size 100x89x3mm	sqm	3.50	6000.00	21000.00
9999	LABOUR: For fixing in position all complete Sundries and carriage	each	8.00	450.00	3600.00
9999	TOTAL Add 1 % Water charges on "W"	L.S.	130.00	2.12	275.60
		L.S.	280.00	2.12	593.60
					25469.20 W
					254.69
					25723.89 X
					3614.21
					29338.10 Y
					4400.71
					33738.81 Z
					337.39
					34076.20
					9736.06
					9736.05
	Say				

- 9.163 Providing and fixing non load bearing fixed frame for fire resistant glazed partition for 120 minutes fire rating, made out to a profile of dimension 60mm x 70 mm of 1.6 mm thick galvanised steel sheet as per test evidence suitable for fixing fire rated glass for 120 minutes of both integrity & radiation control (EW120) & minimum 20 minutes of insulation (EI20).The profile has to be fixed to the supporting construction by means of anchor fasteners of size M10 x 80, every 150 mm from the edges and every 500 mm (approx) c/c. Linear measurement of frame shall be measured for payment. The frame shall be filled with mineral wool insulation of density minimum 96kg/ cum. and finished with a approved fire resistant primer or powder coating of not less than 30 micron in desired shade as per NBC 2016, IS 16231 (Part 3):2016 and directions of Engineer - in- Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8017	Details of cost for 5.81 metre (2.05+1.71+2.05) (Door size- 1710 x 2050 mm) MATERIAL: Fire Rated door Frame made with 1.6 mm thick G.I. Sheet (120 minutes)	metre	5.81	1200.00	6972.00
9999	LABOUR: For fixing in position all complete	L.S.	130.00	2.12	275.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and carriage (Fasteners, sims, Hole Plugs etc) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 5.81 mtere Cost of 1 metre Say	L.S.	250.00	2.12	530.00 7777.60 W 77.78 7855.38 X 1103.68 8959.06 Y 1343.86 10302.91 Z 103.03 10405.94 1791.04 1791.05

9.164 Providing and fixing glazing in fire resistant door shutters, fixed panels & partitions etc., with G.I. beading made out of 1.6 mm thick G.I. sheet (zinc coating not less than 120 gm/sqm) of size 20 x 33 mm screwed with M4 x 38 mm SS screws at distance 75 mm from the edges and 150 sqm c/c , including applying a coat of approved fire resistant primer/powder coating of not less than 30 micron on G.I. beading, & special ceramic tape of 5 x 20 mm size etc complete in all respect as per NBC 2016, IS 16231 (Part 3):2016 and as per direction of Engineer-in-Charge with glass of required thickness having 120 minutes of fire resistance both integrity & radiation control (EW120) and minimum 20 minutes of insulation (EI20). The manufacturer have to give test report/ certification of fire glass and the glass should have the stamp showing the value of E, EW & EI. The glass shall be tested in approved NABL accredited lab or by any other accreditation body which operates in accordance with ISO/IEC 17011 and accredits labs as per ISO/IEC 17025 for testing and calibration scopes shall be eligible. The maximum glazing size shall not be more than 1100x 2200 mm (w x h) or 2.42 sqm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2640	Details of cost for glazing portion 2.46 sqm (Door size 1710 mm x 2050 mm) Glazing area- $2 \times 0.679 \times 1.808 = 2.46$ sqm MATERIAL: Glass panes of required thickness having 120 minutes of fire resistance both integrity and radiation control (EW120) and minimum 20 minutes of insulation (EI 20)				
2641	G.I. U beading of 1.6 mm thick G.I. Sheet with M4x38mm SS screws	sqm	2.46	25500.00	62730.00
2642	Ceramic tape 5x20 mm size	metre	9.91	250.00	2477.50
	LABOUR:	metre	19.82	400.00	7928.00
9999	For fixing in position all complete	L.S.	180.00	2.12	381.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and carriage & Calcium Silicate Blocks TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.46 sqm Cost of 1 sqm Say	L.S.	10.00	2.12	21.20 73538.30 W 735.38 74273.68 X 10435.45 84709.14 Y 12706.37 97415.51 Z 974.16 98389.66 39995.80 39995.80

9.165 Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.

9.165.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0554	Details of cost for ten nos (125 mm) MATERIAL Stainless steel fancy handles (125mm) for kitchen cabinet	10 Nos	1.00	640.00	640.00
8214	SS screws 20mm	100 Nos.	0.40	150.00	60.00
9999	Carriage of material	L.S.	1.82	2.12	3.86
0111	Labour Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10nos Cost for 1 no Say	day	0.06	784.00	47.04 750.90 W 7.51 758.41 X 106.56 864.96 Y 129.74 994.71 Z 9.95 1004.66 100.47 100.45

9.165.2 100mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0553	Details of cost for ten nos (100 mm) MATERIAL Stainless steel fancy handles (100mm) for kitchen cabinet	10 Nos	1.00	455.00	455.00
8214	SS screws 20mm	100 Nos.	0.40	150.00	60.00
9999	Carriage of material	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10nos Cost for 1 no Say	day	0.06	784.00	47.04 565.90 W 5.66 571.56 X 80.30 651.86 Y 97.78 749.64 Z 7.50 757.14 75.71 75.70

9.165.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0552	Details of cost for ten nos (75 mm) MATERIAL Stainless steel fancy handles (75mm) for kitchen cabinet	10 Nos	1.00	255.00	255.00
8214	SS screws 20mm	100 Nos.	0.40	150.00	60.00
9999	Carriage of material	LS	1.82	2.12	3.86
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10nos Cost for 1 no Say	day	0.06	784.00	47.04 365.90 W 3.66 369.56 X 51.92 421.48 Y 63.22 484.70 Z 4.85 489.55 48.95 48.95

9.166 Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of approved brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge (Note: Fittings to be paid separately).

9.166.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4 nos. 75x20cm shelves = 0.60 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2495	MATERIAL 18mm thick particle board $4 \times 75 \times 20 \text{cm} = 0.60 \text{sqm}$. Add wastage @ 5% = 0.03sqm. Total = 0.63 sqm 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008				
9977	Carriage of board LABOUR	sqm L.S.	0.63 0.91	650.00 2.12	409.50 1.93
0112	Carpenter 2nd class	day	0.11	714.00	78.54
0114	Beldar	day	0.06	645.00	38.70
9999	Sundries, Painting edges & Screws TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 0.60 sqm. Cost of 1 sqm Say	L.S.	7.80	2.12	16.54 545.21 W 5.45 550.66 X 77.37 628.02 Y 94.20 722.23 Z 7.22 729.45 1215.75 1215.75

9.167 Providing and fixing 6mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of approved brand and shade with suitable full threaded steel screws etc. on the backing of racks, drawer, cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2496	Details of cost for 350x200cm = 7sqm. MATERIAL 6mm thick board = 7.00sqm.+ Add wastage @ 5% = 0.35 sqm. Total = 7.35 sqm 6mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008				
9977	Carriage of particle board	sqm	7.35	455.60	3348.66
9999	Sundries and screws	L.S.	13.52	2.12	28.66
0112	LABOUR Carpenter 2nd class	L.S.	26.91	2.12	57.05
		day	0.90	714.00	642.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 7 sqm. Cost of 1 sqm. Say	day	1.00	645.00	645.00 4721.97 W 47.22 4769.19 X 670.07 5439.26 Y 815.89 6255.15 Z 62.55 6317.70 902.53 902.55

9.168 Providing and fixing cupboard shutter with 19mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer-in-charge.(Payment of providing and fixing auto closing hinges shall be paid separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2497	Details of cost for 2.2 sqm. MATERIAL 19mm thick prelaminated ply 2.20sqm.+ Add wastage @ 5% = 0.11 sqm. Total = 2.31 sqm	sqm	2.31	1500.00	3465.00
9977	Carriage of shutter	L.S.	29.64	2.12	62.84
2489	PVC edge bending tape 2 X (2.00+1.10) = 6.20 metre LABOUR For fixing shutter and PVC edge bending tape	metre	6.20	21.00	130.20
0156	Carpenter (average)	day	0.40	749.00	299.60
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 2.2 sqm. Cost of 1 sqm. Say	day	0.40	645.00	258.00 4215.64 W 42.16 4257.79 X 598.22 4856.01 Y 728.40 5584.42 Z 55.84 5640.26 2563.75 2563.75

9.169 Providing and fixing 19mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand boxes, shelves, racks, almirah, cupboard and drawer etc. including necessary nails,screws etc. complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4 nos. 75x20cm shelves = 0.60 sqm. MATERIAL 18mm thick particle board 4x75x20cm = 0.60sqm. Add wastage @ 5% = 0.03sqm. Total = 0.63 sqm				
2498	19mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710	sqm	0.63	1450.00	913.50
9977	Carriage of board	L.S.	0.91	2.12	1.93
0112	LABOUR				
0114	Carpenter 2nd class	day	0.11	714.00	78.54
9999	Beldar	day	0.06	645.00	38.70
	Sundries, Painting edges & Screws	L.S.	7.80	2.12	16.54
	TOTAL				1049.21 W
	Add 1 % Water charges on "W"				10.49
	TOTAL				1059.70 X
	Add GST on "X" (multiplying factor 0.1405)				148.89
	TOTAL				1208.58 Y
	Add 15% CPOH on "Y"				181.29
	TOTAL				1389.87 Z
	Add Cess @ 1% on "Z"				13.90
	Cost of 0.60 sqm.				1403.77
	Cost of 1sqm.				2339.62
	Say				2339.60

9.170 Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge.

9.170.1 200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
8227	Stainless steel fancy handle	10 Nos	1.00	1000.00	1000.00
8212	SS screws 30mm	100 Nos	0.40	230.00	92.00
9977	Carriage of materials	L.S.	2.73	2.12	5.79
0111	LABOUR				
	Carpenter 1st class	day	0.06	784.00	47.04
	TOTAL				1144.83 W
	Add 1 % Water charges on "W"				11.45
	TOTAL				1156.28 X
	Add GST on "X" (multiplying factor 0.1405)				162.46
	TOTAL				1318.73 Y
	Add 15% CPOH on "Y"				197.81
	TOTAL				1516.54 Z
	Add Cess @ 1% on "Z"				15.17
	Cost of 10 nos				1531.71
	Cost of 1 no				153.17
	Say				153.15

9.171 Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL 8228 Soft closing stainless steel hinges 8212 SS screws 30mm 9977 Carriage of materials LABOUR 0111 Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say				
8228	10 sets	1.00	1550.00	1550.00	
8212	100 Nos	0.40	230.00	92.00	
9977	L.S.	2.73	2.12	5.79	
0111	day	0.06	784.00	47.04	
				1694.83	W
				16.95	
				1711.78	X
				240.50	
				1952.28	Y
				292.84	
				2245.12	Z
				22.45	
				2267.57	
				226.76	
				226.75	

9.172 Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sets. MATERIAL 8229 Stainless steel telescopic drawer channels 500mm long . 9977 CARRIAGE 9999 Sundries including screws and fixing charges. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 sets Cost for 1 set Say				
8229	set	10.00	535.00	5350.00	
9977	L.S.	19.50	2.12	41.34	
9999	L.S.	100.10	2.12	212.21	
				5603.55	W
				56.04	
				5659.59	X
				795.17	
				6454.76	Y
				968.21	
				7422.97	Z
				74.23	
				7497.20	
				749.72	
				749.70	

9.173 Providing and fixing ready made 304 grade stainless steel Modular kitchen basket and accessories such as right angle basket (Plain Cup & Saucer, plant, Partition, Bottle rack, Thali, Cutlery) kitchen utensil basket, Dinner set basket, kitchen grain basket, Multipurpose basket as per site requirement including finishing

(wherever required) and fittings. The same shall be fixed with necessary stainless steel nuts & bolts, Stainless Steel screws & telescopic channel etc. as per direction of Engineer-in-charge. (For payment purpose only weight of Stainless steel basket shall be considered excluding weight of all fixing accessories such as nuts, bolts, fasteners telescopic basket channels etc. Payment of providing and fixing telescopic channel shall be paid separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8230	Details of cost for 2kg MATERIAL Qty= 2kg + Add wastage @ 5% = 0.10 Total = 2.1 kg				
9999	Stainless steel (Grade-304) basket (readymade) Stainless steel nuts & SS screws etc.	kg LS	2.10 7.50	260.00 2.12	546.00 15.90
0102	LABOUR For fixing	day	0.05	784.00	39.20
0114	Blacksmith 1st class Beldar	day	0.05	645.00	32.25
	TOTAL				633.35 W
	Add 1 % Water charges on "W"				6.33
	TOTAL				639.68 X
	Add GST on "X" (multiplying factor 0.1405)				89.88
	TOTAL				729.56 Y
	Add 15% CPOH on "Y"				109.43
	TOTAL				838.99 Z
	Add Cess @ 1% on "Z"				8.39
	Cost of 2 kg				847.38
	Cost of 1 kg.				423.69
	Say				423.70

- 9.174 Providing and fixing 2mm thick 16 to 19mm wide PVC edge binding tape of approved quality for cupboard/wardrobe shutters including necessary synthetic resin hot pressed to edges on binding machine etc. complete as per directions of Engineer- in-charge.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2489	Details of cost for 10 metre MATERIAL				
9977	PVC edge binding tape Carriage of materials	metre L.S.	10.00 2.73	21.00 2.12	210.00 5.79
0111	LABOUR Carpenter 1st class	day	0.05	784.00	39.20
0114	Beldar	day	0.05	645.00	32.25
	TOTAL				287.24 W
	Add 1 % Water charges on "W"				2.87
	TOTAL				290.11 X
	Add GST on "X" (multiplying factor 0.1405)				40.76
	TOTAL				330.87 Y
	Add 15% CPOH on "Y"				49.63
	TOTAL				380.50 Z
	Add Cess @ 1% on "Z"				3.81
	Cost of 10metre				384.31
	Cost of 1 metre				38.43
	Say				38.45

SUB HEAD : 10.0

STEEL WORK

10.1 Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one quintal MATERIAL Steel = 1.00q Add wastage @ 5% = 0.05q Total = 1.05q Structurals such as tees,angles channels and R.S. joists				
1007	Carriage of Steel	tonne	0.105	145.72	15.30
2205	LABOUR				
0116	Fitter (grade 1)	day	0.50	784.00	392.00
0103	Blacksmith 2nd class	day	0.75	714.00	535.50
0114	Beldar	day	1.00	645.00	645.00
13.50.3	Priming Coat				
	Rate as per Item Number 13.50.3 of SH:Finishing	sqm	3.00	55.50	166.50 A
9999	Sundries	L.S.	20.67	2.12	43.82
	TOTAL				6995.62 W
	Add 1 % Water charges on "W-A"				68.29
	TOTAL				7063.91 X
	Add GST on "X-A" (multiplying factor 0.1405)				969.09
	TOTAL				8033.00 Y
	Add 15% CPOH on "Y-A"				1179.97
	TOTAL				9212.97 Z
	Add Cess @ 1% on "Z-A"				90.46
	Cost of 1quintal				9303.44
	Cost of 1 Kg.				93.03
	Say				93.05

10.2 Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Details of cost for a truss 7.6m clear span (weight = 3.95 quintal) MATERIAL (i) Principal rafter (T-iron) 100x100x10mm @15kg/m = 142.50Kg+ Struts (angles)40x40x6mm 2x1.35=2.70m @ 3.5kg/m = 9.45kg Total =151.95kg+ Add wastage @ 5% = 7.60kg Total = 159.55kg. = 1.60q Structurals such as tees,angles channels and R.S. joists	quintal	1.60	4950.00	7920.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1009	(ii) Ties (flats) 50x12mm 2x2.7 = 5.4m @4.7kg/m = 25.38kg+ Ties central (flats) 50x10mm 1x2.28 = 2.8m @3.90kg/m = 10.92kg.+ Braces (flats)40x10mm 2x1.84 = 3.68m @3.9kg/m = 14.35kg. Total = 50.65kg+ Add wastage @ 5% = 2.53kg. Total = 53.18kg. = 0.53q Flats exceeding 10 mm in thickness (iii) Gusset plates 10mm thick 1x0.74x0.35m = 0.259sqm.+ shoe 4x0.46x0.46 = 0.845sqm. Total = 1.104 sqm. 1.104sqm. @ 78.4kg/m = 86.55kg. 12mm plates at the point of principal rafter and strut- 2x0.3x0.2 = 0.12sqm.+ Tie beam, brace and strut- 2x0.5x0.3 = 0.30sqm.+ Sole plates- 2x0.46x0.46 = 0.42sqm.+ Anchor plate- 2x0.46x0.1 = 0.09sqm. Total = 0.93 sqm. Say 1.00 sqm. 1.0sqm. @ 94.4kg/m = 94.40kg. Total = 180.95kg. Add wastage @ 5% = 9.05kg. Total = 190.00kg or 1.90q	quintal	0.53	4950.00	2623.50
1010	Mild steel plates (iv) 16mm dia. 50mm long rivets = 56 nos @ 0.10753 kg/each = 6.02168 kgs or 0.0602 quintal	quintal	1.9000	5400.00	10260.00
1020	Mild steel rivets (v) 20mm dia. (460mm long) holding down bolts with nut and washers, 4 Nos. @ 1.2125 kg/each = 4.85 kgs or 0.0485 quintal	quintal	0.0602	5100.00	307.02
1221 2205	20 mm dia holding down bolts Carriage of Steel (0.160+0.053+0.190 +0.006+ +0.005) =0.414 tonne LABOUR	quintal tonne	0.0485 0.414	6100.00 145.72	295.85 60.33
0116 0103 0139 0114 0100	Fitter (grade 1) Blacksmith 2nd class Skilled Beldar (for floor rubbing etc.) Beldar Bandhani Applying priming coat- T.Iron 9.5x0.4 = 3.80sqm.+ Struts 2.70x0.16 = 0.43sqm.+ Ties 5.4x0.124 = 0.67sqm.+ Braces 2x1.84x0.12 = 0.44 sqm.+ Ties 2.8x0.12 = 0.34 sqm. Total = 5.68 sqm.	day	2.70	784.00	2116.80
		day	3.60	714.00	2570.40
		day	5.40	714.00	3855.60
		day	3.60	645.00	2322.00
		day	0.44	714.00	314.16

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.3 9999	Rate as per item no 13.50.3 of SH : Finishing Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 3.95 quintal Cost of per kg. Say	sqm L.S.	5.68 80.73	55.50 2.12	315.24 A 171.15 33132.05 W 328.17 33460.21 X 4656.87 38117.08 Y 5670.28 43787.36 Z 434.72 44222.08 111.95 111.95

10.3 Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Details of cost for a gate 2.4mx1.5m = 3.6sqm. MATERIAL M.S. channels 18 Nos. on both sides 20x10x2mm @ 0.56kg/m 2x18x2.4 = 86.40m+ Add wastage @ 10% = 8.64m Total = 95.04m 95.04m@0.56kg/m =53.22kg=0.53q Structurals such as tees,angles channels and R.S. joists M.S. Tee-40x40x6mm for bottom-1.570m+ for top = 1.725m Total =3.295m Say 3.3m 3.3m @ 3.5kg/m = 11.55kg+ Add wastage @ 10% = 1.155 Kg. Total = 12.705Kg. Say 0.13q Structurals such as tees,angles channels and R.S. joists 20mmx5mm flat iron diagonals 4 Nos. 4x32x0.5334 = 68.275m 68.275m @ 0.8kg/m = 54.62kg+ Add wastage @10% = 5.46kg Total = 60.08kg = 0.60q	quintal	0.53	4950.00	2623.50
1007	Flats upto 10 mm in thickness Carriage of Steel (0.053+0.013+0.060=0.126 tonne)	quintal tonne	0.13	4950.00 145.72	643.50
1008 2205 9999	Cost of rivets fixing hooks and washers	L.S.	269.10	2.12	570.49

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Cost of locking arrangements and handles	L.S.	67.34	2.12	142.76
4013	Pully 40 mm dia	each	10.00	35.00	350.00
	Priming coat-				
	Channel - $36 \times 0.076 \times 2.4 = 6.57 \text{sqm.}$ +				
	Tee- $0.16 \times 3.3 = 0.53 \text{sqm.}$ +				
	Flats- $0.05 \times 68 = 3.40 \text{sqm.}$				
	Total = 10.50sqm.				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	10.50	55.50	582.75 A
0116	Fitter (grade 1)	day	3.00	784.00	2352.00
0102	Blacksmith 1st class	day	6.00	784.00	4704.00
0103	Blacksmith 2nd class	day	6.00	714.00	4284.00
0123	Mason (brick layer) 1st class	day	0.50	784.00	392.00
0124	Mason (brick layer) 2nd class	day	0.50	714.00	357.00
0114	Beldar	day	8.00	645.00	5160.00
9999	Sundries	L.S.	161.46	2.12	342.30
	TOTAL				25432.66 W
	Add 1 % Water charges on "W-A"				248.50
	TOTAL				25681.16 X
	Add GST on "X-A" (multiplying factor 0.1405)				3526.33
	TOTAL				29207.48 Y
	Add 15% CPOH on "Y-A"				4293.71
	TOTAL				33501.19 Z
	Add Cess @ 1% on "Z-A"				329.18
	Cost of 3.6sqm.				33830.38
	Cost per sqm.				9397.33
	Say				9397.35

10.4 Providing and fixing 1 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T- iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1013	Details of cost for one double leaf door size $2.4 \times 2.4 \text{m} = 5.76 \text{sqm.}$ MATERIAL (i) M.S. sheet 1mm thick $5.76 \text{sqm.} @ 7.85 \text{kg/sqm.} = 45.216 \text{kg.}$ + Add wastage @ 10% = 4.522kg. Total = $49.738 \text{kg} = 0.497 \text{ q}$ Mild steel sheets for tanks (ii) Gusset plates 3.00mm thick Area of one gusset plates $0.3 \times 0.04 = 0.0120+$ $1/2 \times 0.26(0.04+0.3) = 0.0442$ Total = $0.0562 \text{sqm.}+$ $8 \times 0.0562 = 0.4496 \text{sqm.}+$ $2 \times 22/7 \times 1/4 \times 0.3 \times 0.3 = 0.1414 \text{sqm.}$ Total = 0.5910sqm.	quintal	0.497	4850.00	2410.45

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1010	0.5910sqm.@23.55kg/sqm.=13.92kg.+ Add wastage @ 10% = 1.39kg Total = 15.31kg. or 0.153q Mild steel plates (iii) Angle iron 40x40x6mm @ 3.5kg/m Sides-4x2.4=9.6m+ Bottom & top 4x1.2 = 4.8m+ Diagonals-2x2.5=5.0m+ 2x2.45 = 4.9m+ Top and bottom guides 2x4.8 = 9.6m Top guide supports 7x0.8 = 2.1m Total = 36.0m 36m @3.5kg. per m. = 126kg.+ Add wastage @ 10% = 12.6kg. Total = 138.6kg. or 1.39q Structurals such as tees,angles channels and R.S. joists Channel 25x25x6mm @ 3.05kg/m Bottom-2.4m : 2.4x3.05 Channel 40x40x6mm @ 5.56kg/m 0.5x5.56 = 2.78kg. Total = 10.1kg.+ Add wastage @ 10% = 1.101kg. Total = 11.11kg. or 0.11q	quintal	0.153	5400.00	826.20
1007	Structurals such as tees,angles channels and R.S. joists Channel 25x25x6mm @ 3.05kg/m Bottom-2.4m : 2.4x3.05 Channel 40x40x6mm @ 5.56kg/m 0.5x5.56 = 2.78kg. Total = 10.1kg.+ Add wastage @ 10% = 1.101kg. Total = 11.11kg. or 0.11q	quintal	1.39	4950.00	6880.50
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.11	4950.00	544.50
2205	Carriage of Steel (0.0497+0.015+0.139+0.11=0.2157 tonne)	tonne	0.216	145.72	31.48
9999	(iv) Pully guide blocks including drilling holes	L.S.	269.10	2.12	570.49
0969	Pully 25 mm dia	each	8.00	48.00	384.00
9999	(vi) Handles and locking arrangements	L.S.	167.75	2.12	355.63
9999	(vii) Bolts and rivets	L.S.	269.10	2.12	570.49
9999	(viii)Cement concrete Priming coat-	L.S.	13.52	2.12	28.66
	M.S. Sheet 2x5.76 = 11.52+ Angle iron 0.16x36 = 5.76+ Channel-0.15x2.4=0.36+ 0.24x0.5=0.12 Total = 17.76 Say 18.0sqm.				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	18.00	55.50	999.00 A
0116	Fitter (grade 1)	day	2.00	784.00	1568.00
0102	Blacksmith 1st class	day	3.00	784.00	2352.00
0103	Blacksmith 2nd class	day	4.00	714.00	2856.00
0114	Beldar	day	4.00	645.00	2580.00
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 5.76 sqm. Cost per sqm. Say	L.S.	161.46	2.12	342.30 23389.58 W 223.91 23613.48 X 3177.33 26790.82 Y 3868.77 30659.59 Z 296.61 30956.20 5374.34 5374.35

10.5 Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.

10.5.1 Using M.S. angels 40x40x6 mm for diagonal braces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1013	Details of cost for a double leaf door of size 2.4mx2.4m=5.76sqm. MATERIAL (i) M.S. sheet 1mm thick 5.76sqm. @ 7.85kg/sqm. = 45.216kg.+ Add wastage @ 10% = 4.522kg. Total = 49.738kg = 0.497 q Mild steel sheets for tanks (ii) Gusset plates 3.00mm thick Area of one gusset plates 0.3x0.04 = 0.0120+ 1/2x0.26(0.04+0.3) = 0.0442 Total = 0.0562sqm.+ 8x0.0562 = 0.4496sqm.+ 2x22/7x1/4x0.3x0.3=0.1414sqm. Total = 0.5910sqm. 0.5910sqm.@23.55kg/sqm.=13.92kg.+ Add wastage @ 10% = 1.39kg Total = 15.31kg. or 0.153q	quintal	0.497	4850.00	2410.45
1010	Mild steel plates (iii) Angle iron:40x40x6mm @3.5kg/m Sides-4x2.40 = 9.6m+ Top & bottom-4x1.20=4.8m+ Diagonals-2x2.5=5.0m+ 2x2.45 = 4.9m+ Total = 24.30m+ Add wastage @ 10% = 2.43m Total =26.73m 26.73m @ 3.5kg. per m. = 93.56kg =0.936q	quintal	0.153	5400.00	826.20
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.936	4950.00	4633.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2205	Carriage of Steel (0.0497+0.0153+0.0936 tonne) = 0.1586 t	tonne	0.1586	145.72	23.11
1036	Iron pintels including welded pin	each	4.00	37.00	148.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	4.00	120.00	480.00
1019	Mild steel hooks	each	2.00	32.00	64.00
9999	Locking arrangements and handles	L.S.	167.70	2.12	355.52
9999	Rivets	L.S.	269.10	2.12	570.49
	Priming coat- M.S. sheet = 11.52 Angle iron-0.16x24.3 = 3.89 Total = 15.41				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	15.41	55.50	855.26 A
0116	Fitter (grade 1)	day	2.00	784.00	1568.00
0102	Blacksmith 1st class	day	3.00	784.00	2352.00
0103	Blacksmith 2nd class	day	4.00	714.00	2856.00
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
0114	Beldar	day	5.00	645.00	3225.00
9999	Sundries	L.S.	161.46	2.12	342.30
	TOTAL				20799.41 W
	Add 1 % Water charges on "W-A"				199.44
	TOTAL				20998.85 X
	Add GST on "X-A" (multiplying factor 0.1405)				2830.17
	TOTAL				23829.02 Y
	Add 15% CPOH on "Y-A"				3446.07
	TOTAL				27275.09 Z
	Add Cess @ 1% on "Z-A"				264.20
	Cost of 5.76 sqm.				27539.29
	Cost per sqm.				4781.13
	Say				4781.15

10.5.2 Using flats 30x6mm for diagonal braces and central cross piece

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1013	Details of cost for a double leaf door of size 2.4x2.4m = 5.76sqm. MATERIAL (i) M.S. sheet 1mm thick 5.76sqm. @ 7.85kg/sqm. = 45.216kg.+ Add wastage @ 10% = 4.522kg. Total = 49.738kg = 0.497 q Mild steel sheets for tanks (ii) Gussets plates-3.00mm thick vide (ii) in item 10.6 = 0.5910sqm.+ at mid height = 4x0.0528 = 0.2112sqm. Total = 0.8022sqm.+ Add wastage @ 10% = 0.0802sqm. Total = 0.8824sqm. @ 23.55 kg/sqm =20.78 kg Grand Total = 0.2078 qtl	quintal	0.497	4850.00	2410.45

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1010	Mild steel plates (iii) Angle iron:40x40x6mm @3.5kg/m Sides-4x2.40 = 9.6m+ Top & bottom-4x1.20=4.8m+ Total = 14.40m+ Add wastage @ 10% = 1.44m Total = 15.84m 15.84m @ 3.5kg. per m. = 55.44kg = 0.554qtl	quintal	0.2078	5400.00	1122.12
1007	Structurals such as tees,angles channels and R.S. joists (iv) Flats 30x6mm @1.4kg/m 4x2.45=9.80m+ 2x1.20=2.40m Total = 12.20m+ Add wastage @ 10% = 1.22m Total = 13.42m 13.42m @ 1.4kg. per m. = 18.788kg. = 0.188q	quintal	0.554	4950.00	2742.30
1008	Flats upto 10 mm in thickness Carriage of (i) (ii) and (iv) 0.0497+0.0208+0.0554+0.0188 =0.1447 tonne	quintal	0.188	4850.00	911.80
2205	Carriage of Steel	tonne	0.1447	145.72	21.09
1036	Iron pintels including welded pin	each	4.00	37.00	148.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	4.00	120.00	480.00
1019	Mild steel hooks	each	2.00	32.00	64.00
9999	Locking arrangements and handles	L.S.	167.70	2.12	355.52
9999	Rivets	L.S.	269.10	2.12	570.49
	Applying priming coat- M.S. sheet = 11.52				
	Angle iron-0.16x24.3 = 3.89				
	0.16x14.40 = 2.30+				
	Flats 0.072x12.2 = 0.88				
	Total = 14.70sqm.				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	14.70	55.50	815.85 A
0116	Fitter (grade 1)	day	2.00	784.00	1568.00
0102	Blacksmith 1st class	day	3.00	784.00	2352.00
0103	Blacksmith 2nd class	day	4.00	714.00	2856.00
0123	Mason (brick layer) 1st class	day	0.06	784.00	47.04
0124	Mason (brick layer) 2nd class	day	0.06	714.00	42.84
0114	Beldar	day	5.00	645.00	3225.00
9999	Sundries	L.S.	161.46	2.12	342.30
	TOTAL				20074.80 W
	Add 1 % Water charges on "W-A"				192.59
	TOTAL				20267.39 X
	Add GST on "X-A" (multiplying factor 0.1405)				2732.94
	TOTAL				23000.33 Y
	Add 15% CPOH on "Y-A"				3327.67
	TOTAL				26328.00 Z
	Add Cess @ 1% on "Z-A"				255.12
	Cost of 5.76 sqm.				26583.12
	Cost per sqm.				4615.13
	Say				4615.15

10.6 Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.

10.6.1 80x1.25 mm M.S. laths with 1.25 mm thick top cover

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a shutter of size 3mx2.5m = 7.5sqm. MATERIAL				
0973	Rolling shutter made of 80x1.25 mm machine rolled laths	sqm	7.50	1400.00	10500.00
0974	Top cover for rolling shutters 1.25 mm thick	metre	2.50	800.00	2000.00
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	300.00	300.00
9977	CARRIAGE	L.S.	53.82	2.12	114.10
	LABOUR				
0116	Fitter (grade 1)	day	2.55	784.00	1999.20
0114	Beldar	day	2.55	645.00	1644.75
0123	Mason (brick layer) 1st class	day	0.12	784.00	94.08
0124	Mason (brick layer) 2nd class	day	0.12	714.00	85.68
9999	Sundries	L.S.	60.58	2.12	128.43
	TOTAL				16866.24 W
	Add 1 % Water charges on "W"				168.66
	TOTAL				17034.90 X
	Add GST on "X" (multiplying factor 0.1405)				2393.40
	TOTAL				19428.30 Y
	Add 15% CPOH on "Y"				2914.25
	TOTAL				22342.55 Z
	Add Cess @ 1% on "Z"				223.43
	Cost of 7.5sqm.				22565.97
	Cost per sqm.				3008.80
	Say				3008.80

10.6.2 80x1.20 mm M.S. laths with 1.20 mm thick top cover

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a shutter of size 3mx2.5m = 7.5sqm. MATERIAL				
7045	Rolling shutters of 80x1.2 mm laths	sqm	7.50	1375.00	10312.50
7047	Top cover of Rolling shutters 1.20 mm thick	metre	2.50	560.00	1400.00
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	300.00	300.00
9977	CARRIAGE	L.S.	53.82	2.12	114.10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0116	LABOUR				
0116	Fitter (grade 1)	day	2.55	784.00	1999.20
0114	Beldar	day	2.55	645.00	1644.75
0123	Mason (brick layer) 1st class	day	0.12	784.00	94.08
0124	Mason (brick layer) 2nd class	day	0.12	714.00	85.68
9999	Sundries	L.S.	60.58	2.12	128.43
	TOTAL				16078.74 W
	Add 1 % Water charges on "W"				160.79
	TOTAL				16239.53 X
	Add GST on "X" (multiplying factor 0.1405)				2281.65
	TOTAL				18521.18 Y
	Add 15% CPOH on "Y"				2778.18
	TOTAL				21299.36 Z
	Add Cess @ 1% on "Z"				212.99
	Cost of 7.5sqm.				21512.35
	Cost per sqm.				2868.31
	Say				2868.30

10.6.3 80x0.90 mm M.S. laths with 0.90 mm thick top cover

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a shutter of size 3mx2.5m = 7.5sqm.				
	MATERIAL				
7044	Rolling shutters of 80x0.90 mm laths	sqm	7.50	1300.00	9750.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	2.50	450.00	1125.00
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	300.00	300.00
9977	CARRIAGE	L.S.	53.82	2.12	114.10
	LABOUR				
0116	Fitter (grade 1)	day	2.55	784.00	1999.20
0114	Beldar	day	2.55	645.00	1644.75
0123	Mason (brick layer) 1st class	day	0.12	784.00	94.08
0124	Mason (brick layer) 2nd class	day	0.12	714.00	85.68
9999	Sundries	L.S.	60.58	2.12	128.43
	TOTAL				15241.24 W
	Add 1 % Water charges on "W"				152.41
	TOTAL				15393.65 X
	Add GST on "X" (multiplying factor 0.1405)				2162.81
	TOTAL				17556.46 Y
	Add 15% CPOH on "Y"				2633.47
	TOTAL				20189.93 Z
	Add Cess @ 1% on "Z"				201.90
	Cost of 7.5sqm.				20391.83
	Cost per sqm.				2718.91
	Say				2718.90

10.6.3 80x0.90 mm M.S. laths with 0.90 mm thick top cover

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a shutter of size 3mx2.5m = 7.5sqm. MATERIAL				
7044	Rolling shutters of 80x0.90 mm laths	sqm	7.50	1300.00	9750.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	2.50	450.00	1125.00
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	300.00	300.00
9977	CARRIAGE	L.S.	53.82	2.12	114.10
	LABOUR				
0116	Fitter (grade 1)	day	2.55	784.00	1999.20
0114	Beldar	day	2.55	645.00	1644.75
0123	Mason (brick layer) 1st class	day	0.12	784.00	94.08
0124	Mason (brick layer) 2nd class	day	0.12	714.00	85.68
9999	Sundries	L.S.	60.58	2.12	128.43
	TOTAL				15241.24 W
	Add 1 % Water charges on "W"				152.41
	TOTAL				15393.65 X
	Add GST on "X" (multiplying factor 0.1405)				2162.81
	TOTAL				17556.46 Y
	Add 15% CPOH on "Y"				2633.47
	TOTAL				20189.93 Z
	Add Cess @ 1% on "Z"				201.90
	Cost of 7.5sqm.				20391.83
	Cost per sqm.				2718.91
	Say				2718.90

10.7 Providing and fixing ball bearing for rolling shutters.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 No.				
0976	Ball bearing for rolling shutters	each	1.00	260.00	260.00
9999	Sundries	L.S.	26.91	2.12	57.05
	TOTAL				317.05 W
	Add 1 % Water charges on "W"				3.17
	TOTAL				320.22 X
	Add GST on "X" (multiplying factor 0.1405)				44.99
	TOTAL				365.21 Y
	Add 15% CPOH on "Y"				54.78
	TOTAL				419.99 Z
	Add Cess @ 1% on "Z"				4.20
	Cost of 1 no.				424.19
	Say				424.20

10.8 Extra for providing mechanical device chain and crank operation for operating rolling shutters.

10.8.1 Exceeding 10.00 sqm and upto 16.80 sqm in the area

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0977	Details of cost for one sqm. Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding 10.00 sq.m and upto 16.80 sq.m area of door				
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	sqm L.S.	1.00 13.52	800.00 2.12	800.00 28.66 828.66 W 8.29 836.95 X 117.59 954.54 Y 143.18 1097.72 Z 10.98 1108.70 1108.70

10.8.2 Exceeding 16.80 sqm in area

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0978	Details of cost for one sqm. Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding 16.80 sq.m area of door				
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	sqm L.S.	1.00 13.52	800.00 2.12	800.00 28.66 828.66 W 8.29 836.95 X 117.59 954.54 Y 143.18 1097.72 Z 10.98 1108.70 1108.70

10.9 Extra for providing grilled rolling shutters manufactured out of 8 mm dia M.S. bar instead of laths as per design approved by Engineer-in- charge, (area of grill to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a shutter of width 2.5m and grill height 0.6m Grill Area = 1.50sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7068	MATERIAL Extra for providing grilled rolling shutters with 8 mm dia M.S. rod TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1.5sqm. Cost per sqm. Say	sqm	1.50	500.00	750.00 750.00 W 7.50 757.50 X 106.43 863.93 Y 129.59 993.52 Z 9.94 1003.45 668.97 668.95

- 10.10 Fixing standard steel glazed doors, windows and ventilators in walls, including fixing of float glass panes with glazing clips and special metal-sash putty of approved make, or metal beading with screws, (only steel windows, glass panes cut to size and glazing clips or metal beading with screws, shall be supplied by department free of cost.**
- 10.10.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.2.5	Details of cost for one door 2x0.76m = 1.52sqm.(weight 15 kg) MATERIAL Cement concrete blocks 15x10x10cm = 0.009 cum Rate as per item no 4.2.5 of SH : Concrete work LABOUR	cum	0.009	8843.45	79.59 A
0102	Blacksmith 1st class	day	0.17	784.00	133.28
0123	Mason (brick layer) 1st class	day	0.08	784.00	62.72
0124	Mason (brick layer) 2nd class	day	0.08	714.00	57.12
0114	Beldar	day	0.50	645.00	322.50
9977	Sundries for carriage of material TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 15 kg Cost per kg Say	L.S.	67.28	2.12 101.92 906.95 Y 124.10 1031.05 Z 9.51 1040.57 69.37 69.35	142.63 797.84 W 7.18 805.03 X 124.10 1031.05 Z 9.51 1040.57 69.37 69.35

10.10.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door 2x0.76m = 1.52sqm.(weight 15 kg) LABOUR				
0123	Mason (brick layer) 1st class	day	0.17	784.00	133.28
0114	Beldar	day	0.17	645.00	109.65
9977	Sundries for Carriage of material	L.S.	67.28	2.12	142.63
	TOTAL				385.56 W
	Add 1 % Water charges on "W"				3.86
	TOTAL				389.42 X
	Add GST on "X" (multiplying factor 0.1405)				54.71
	TOTAL				444.13 Y
	Add 15% CPOH on "Y"				66.62
	TOTAL				510.75 Z
	Add Cess @ 1% on "Z"				5.11
	Cost of 15 kg				515.86
	Cost per kg				34.39
	Say				34.40

10.11 Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).

10.11.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a double leaf door of size 2.075x1.175m = 2.44 sqm. (weight 30 kg). MATERIAL				
1011	Steel glazed door>window/ ventilator, all members like as F7D, F4B, K11 and K12B etc.	kg	30.00	54.00	1620.00
9977	Carriage of Steel Door Labour for fabrication	L.S.	40.37	2.12	85.58
0103	Blacksmith 2nd class	day	0.17	714.00	121.38
0116	Fitter (grade 1)	day	0.26	784.00	203.84
0114	Beldar	day	0.34	645.00	219.30
9999	Sundries Fixing with CC 1:3:6 blocks, wooden plugs and screws or rawl plugs and screws or with fixing clips and bolts and nuts as required including metal sash putty for glass fixing	L.S.	15.37	2.12	32.58

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.10.1	Rate as per Item No.10.10.1 Apply steel primer (2.44x1.00 for both sides)=2.44 sqm	kg	30.00	69.35	2080.50 A
13.50.3	Rate as per item no 13.50.3 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 30 kg. Cost of 1 kg. Say	sqm	2.44	55.50	135.42 A 4498.61 W 22.83 4521.44 X 323.92 4845.36 Y 394.42 5239.78 Z 30.24 5270.02 175.67 175.65

10.11.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1011	Details of cost for a double leaf door of size 2.075x1.175m = 2.44 sqm. (weight 30 kg). MATERIAL Steel glazed door>window/ ventilator, all members like as F7D, F4B, K11 and K12B etc.	kg	30.00	54.00	1620.00
9977	Carriage of Steel Door Labour for fabrication	L.S.	40.37	2.12	85.58
0103	Blacksmith 2nd class	day	0.17	714.00	121.38
0116	Fitter (grade 1)	day	0.26	784.00	203.84
0114	Beldar	day	0.34	645.00	219.30
9999	Sundries Labour for fixing	L.S.	15.37	2.12	32.58
0114	Beldar	day	0.027	645.00	17.42
0115	Collie	day	0.0195	645.00	12.58
0130	Mistry	day	0.0084	784.00	6.59
0128	Mate	day	0.0012	714.00	0.86
9999	Hire charges of drill machine, scaffolding and sundries Apply steel primer (2.44x1.00 for both sides)=2.44 sqm	L.S.	12.22	2.12	25.91

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.3	Rate as per item no 13.50.3 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 30 kg. Cost of 1 kg. Say	sqm	2.44	55.50	135.42 A 2481.45 W 23.46 2504.91 X 332.91 2837.82 Y 405.36 3243.18 Z 31.08 3274.26 109.14 109.15

10.12 Extra for providing and fixing steel beading of size 10 x 10 x 1.6 mm (box type), approved shape and section with screws instead of glazing clips and metal sash putty, in steel doors, windows, ventilators and composite units.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1143	Detail of cost for 1 metre beading for doors, windows, Ventilators and composit units				
	Steel beading size 10 x 10 x 1.6 mm (box type)	metre	1.00	27.00	27.00
9999	Applying priming coat	L.S.	0.46	2.12	0.98
9999	Fixing charges	L.S.	3.01	2.12	6.38
	TOTAL				34.36 W
	Add 1 % Water charges on "W"				0.34
	TOTAL				34.70 X
	Add GST on "X" (multiplying factor 0.1405)				4.88
	TOTAL				39.58 Y
	Add 15% CPOH on "Y"				5.94
	TOTAL				45.51 Z
	Add Cess @ 1% on "Z"				0.46
	Cost of 1 metre				45.97
	Say				45.95

10.13 Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.

10.13.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 17.5Kg. MATERIAL Tee iron 40x40x6mm = 2m+2m+1m = 5 metres				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	5 metres @3.5Kg/m = 17.5kg.+ Add wastage @ 5% = 0.87Kg. Total = 18.37 kg. Say 0.18 quintal Structurals such as tees,angles channels and R.S. joists M.S. bars 10mm = 1x1m = 1 metre 1 metre @ 0.60kg/m = 0.60Kg.+ Add wastage @ 5% = 0.03Kg. Total = 0.63 Kg. Say = 0.006 quintal	quintal	0.18	4950.00	891.00
1002	Mild steel round bar 12 mm dia and below M.S. flat 15x3mm = 6x10cm = 0.60 metre 0.6 metre @ 0.35kg/m = 0.21Kg+ Add wastage @ 5% = 0.01 Kg. Total = 0.22 kg = 0.002q.	quintal	0.006	4850.00	29.10
1008	Flats upto 10 mm in thickness Cement concrete block 1:3:6- 6x15x 10x10cm= 0.009 cum	quintal	0.002	4850.00	9.70
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.009	8843.45	79.59 A
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	For screws and nuts and bolts	L.S.	35.88	2.12	76.07
9999	For applying steel primer	L.S.	17.94	2.12	38.03
9977	Carriage of material	L.S.	5.33	2.12	11.30
0103	LABOUR Blacksmith 2nd class	day	0.10	714.00	71.40
0116	Fitter (grade 1)	day	0.15	784.00	117.60
0114	Beldar	day	0.20	645.00	129.00
9999	Sundries	L.S.	8.97	2.12	19.02
	TOTAL				1519.81 W
	Add 1 % Water charges on "W-A"				14.40
	TOTAL				1534.21 X
	Add GST on "X-A" (multiplying factor 0.1405)				204.37
	TOTAL				1738.58 Y
	Add 15% CPOH on "Y-A"				248.85
	TOTAL				1987.43 Z
	Add Cess @ 1% on "Z-A"				19.08
	Cost for 17.5Kg.				2006.51
	Cost for 1 Kg.				114.66
	Say				114.65

10.13.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 17.5Kg. MATERIAL Tee iron 40x40x6mm = 2m+2m+1m = 5 metres 5 metres @3.5Kg/m = 17.5kg.+ Add wastage @ 5% = 0.87Kg. Total = 18.37 kg. Say 0.18 quintal				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Structurals such as tees,angles channels and R.S. joists M.S. bars 10mm = 1x1m = 1 metre 1 metre @ 0.60kg/m = 0.60Kg.+ Add wastage @ 5% = 0.03Kg. Total = 0.63 Kg. Say = 0.006 quintal	quintal	0.18	4950.00	891.00
1002	Mild steel round bar 12 mm dia and below	quintal	0.006	4850.00	29.10
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	For screws and nuts and bolts	L.S.	35.88	2.12	76.07
9999	For applying steel primer	L.S.	17.94	2.12	38.03
9977	Carriage of material	L.S.	5.33	2.12	11.30
	LABOUR				
0103	Blacksmith 2nd class	day	0.10	714.00	71.40
0116	Fitter (grade 1)	day	0.15	784.00	117.60
0114	Beldar	day	0.20	645.00	129.00
9999	Sundries	L.S.	8.97	2.12	19.02
	TOTAL				1430.51 W
	Add 1 % Water charges on "W"				14.31
	TOTAL				1444.82 X
	Add GST on "X" (multiplying factor 0.1405)				203.00
	TOTAL				1647.82 Y
	Add 15% CPOH on "Y"				247.17
	TOTAL				1894.99 Z
	Add Cess @ 1% on "Z"				18.95
	Cost for 17.5Kg.				1913.94
	Cost for 1 Kg.				109.37
	Say				109.35

10.14 Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:

10.14.1 Profile B

10.14.1.1 Fixing with adjustable lugs with split end tail to each jamb

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4006	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "B" frame 2+2+1m=5m	metre	5.00	200.00	1000.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.12	76.07
1007	Structurals such as tees, angles channels and R.S. joists	quintal	0.03	4950.00	148.50
9977	Carriage of material	L.S.	5.33	2.12	11.30
0116	LABOUR	day	0.15	784.00	117.60
0114	Fitter (grade 1)	day	0.20	645.00	129.00
9999	Beldar	L.S.	8.97	2.12	19.02
	Sundries				
	Steel primer				
	500x2(2x1.2+2x6.0+1x12.50cm) =2.69sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	55.50	149.30 A
	TOTAL				1698.78 W
	Add 1 % Water charges on "W-A"				15.49
	TOTAL				1714.27 X
	Add GST on "X-A" (multiplying factor 0.1405)				219.88
	TOTAL				1934.15 Y
	Add 15% CPOH on "Y-A"				267.73
	TOTAL				2201.88 Z
	Add Cess @ 1% on "Z-A"				20.53
	Cost for 5 metres				2222.40
	Cost for 1 metre				444.48
	Say				444.50

10.14.1.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4006	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "B" frame 2+2+1m=5m	metre	5.00	200.00	1000.00
9999	Deduct sundries for not providing adjustable lugs	L.S.	-20.00	2.12	-42.40
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.12	76.07
1007	Structurals such as tees, angles channels and R.S. joists	quintal	0.03	4950.00	148.50
9977	Carriage of material	L.S.	5.33	2.12	11.30

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0116	LABOUR				
0114	Fitter (grade 1)	day	0.15	784.00	117.60
9999	Beldar	day	0.20	645.00	129.00
	Sundries	L.S.	8.97	2.12	19.02
	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm) =2.69sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	55.50	149.30 A 1656.38 W 15.07 1671.45 X
	TOTAL				213.86
	Add 1 % Water charges on "W-A"				1885.31 Y
	TOTAL				260.40
	Add GST on "X-A" (multiplying factor 0.1405)				2145.71 Z
	TOTAL				19.96
	Add 15% CPOH on "Y-A"				2165.68
	TOTAL				433.14
	Add Cess @ 1% on "Z-A"				433.15
	Cost for 5 metres				
	Cost for 1metre				
	Say				

10.14.2 Profile C

10.14.2.1 Fixing with adjustable lugs with split end tail to each jamb

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4007	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "C" 2+2+1m=5m	metre	5.00	220.00	1100.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.12	76.07
1007	Structurals such as tees, angles channels and R.S. joists	quintal	0.03	4950.00	148.50
9977	Carriage of material	L.S.	5.33	2.12	11.30
0116	LABOUR				
0114	Fitter (grade 1)	day	0.15	784.00	117.60
9999	Beldar	day	0.20	645.00	129.00
	Sundries	L.S.	8.97	2.12	19.02
	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm) =2.69sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.3	Rate as per item no 13.50.3 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 5 metres Cost for 1 metre Say	sqm	2.69	55.50	149.30 A 1798.78 W 16.49 1815.27 X 234.07 2049.34 Y 285.01 2334.35 Z 21.85 2356.20 471.24 471.25

10.14.2.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4007	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "C" 2+2+1m=5m	metre	5.00	220.00	1100.00
9999	Sundries for not providing adjustable lugs(-)	L.S.	-20.00	2.12	-42.40
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.12	76.07
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	4950.00	148.50
9977	Carriage of material LABOUR	L.S.	5.33	2.12	11.30
0116	Fitter (grade 1)	day	0.15	784.00	117.60
0114	Beldar	day	0.20	645.00	129.00
9999	Sundries Steel primer 500x2(2x1.2+2x6.0+1x12.50cm) =2.69sqm	L.S.	8.97	2.12	19.02
13.50.3	Rate as per item no 13.50.3 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 5 metres Cost for 1 metre Say	sqm	2.69	55.50	149.30 A 1756.38 W 16.07 1772.45 X 228.05 2000.50 Y 277.68 2278.18 Z 21.29 2299.47 459.89 459.90

10.14.3 Profile E

10.14.3.1 Fixing with adjustable lugs with split end tail to each jamb

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4008	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "E" 2+2+1m=5m	metre	5.00	250.00	1250.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.12	76.07
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	4950.00	148.50
9977	Carriage of material LABOUR	L.S.	5.33	2.12	11.30
0116	Fitter (grade 1)	day	0.15	784.00	117.60
0114	Beldar	day	0.20	645.00	129.00
9999	Sundries Steel primer 500x2(2x1.2+2x6.0+1x12.50cm) =2.69sqm	L.S.	8.97	2.12	19.02
13.50.3	Rate as per item no 13.50.3 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 5 metres Cost for 1 metre Say	sqm	2.69	55.50	149.30 A 1948.78 W 17.99 1966.77 X 255.36 2222.13 Y 310.92 2533.05 Z 23.84 2556.89 511.38 511.40

10.14.3.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4008	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "E" 2+2+1m=5m	metre	5.00	250.00	1250.00
9999	Sundries for not providing adjustable lugs (-)	L.S.	-20.00	2.12	-42.40
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.12	76.07
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	4950.00	148.50
9977	Carriage of material	L.S.	5.33	2.12	11.30
0116	LABOUR	day	0.15	784.00	117.60
0114	Fitter (grade 1)	day	0.20	645.00	129.00
9999	Beldar	L.S.	8.97	2.12	19.02
	Sundries				
	Steel primer				
	500x2(2x1.2+2x6.0+1x12.50cm) =2.69sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	55.50	149.30 A
	TOTAL				1906.38 W
	Add 1 % Water charges on "W-A"				17.57
	TOTAL				1923.95 X
	Add GST on "X-A" (multiplying factor 0.1405)				249.34
	TOTAL				2173.29 Y
	Add 15% CPOH on "Y-A"				303.60
	TOTAL				2476.88 Z
	Add Cess @ 1% on "Z-A"				23.28
	Cost for 5 metres				2500.16
	Cost for 1 metre				500.03
	Say				500.05

- 10.15 Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.
- 10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 7.13Kg. MATERIAL L- section - 32x22x28mm 1.60mm thick 2.00+2.00+1.00 = 5.00 m Width of MS sheet = 32+24.80+22+ 24.80+10mm = 113.60mm = 0.1136 m Area of MS sheet = 0.1136x5.00x 0.0016 = 0.0009088 sqm Weight of Sheet = 0.0009088x7850 =7.134 kg Add wastage @ 5% = 0.357Kg. Total = 7.491 kg Say 7.49 kg				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4011	Mild steel tubes electric resistant or induction butt welded M.S. bars 10mm = 1x1m = 1 metre 1 metre @ 0.60kg/m = 0.60Kg. Add wastage @ 5% = 0.03Kg. Total = 0.63 Kg. Say = 0.006 quintal	kilogram	7.49	50.00	374.50
1002	Mild steel round bar 12 mm dia and below M.S. flat 15x3mm = 6x10cm = 0.60 metre 0.6 metre @ 0.35kg/m = 0.21Kg Add wastage @ 5% = 0.01 Kg. Total = 0.22 kg = 0.002q	quintal	0.006	4850.00	29.10
1008	Flats upto 10 mm in thickness Cement concrete block 1:3:6- 6x15x 10x10cm= 0.009 cum	quintal	0.002	4850.00	9.70
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.009	8843.45	79.59 A
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	For screws and nuts and bolts	L.S.	35.88	2.12	76.07
9999	For applying steel primer	L.S.	17.94	2.12	38.03
9977	Carriage of material	L.S.	5.33	2.12	11.30
	LABOUR				
0103	Blacksmith 2nd class	day	0.04	714.00	28.56
0116	Fitter (grade 1)	day	0.06	784.00	47.04
0114	Beldar	day	0.08	645.00	51.60
9999	Sundries	L.S.	3.64	2.12	7.72
	TOTAL				801.21 W
	Add 1 % Water charges on "W-A"				7.22
	TOTAL				808.42 X
	Add GST on "X-A" (multiplying factor 0.1405)				102.40
	TOTAL				910.82 Y
	Add 15% CPOH on "Y-A"				124.68
	TOTAL				1035.51 Z
	Add Cess @ 1% on "Z-A"				9.56
	Cost for 7.13Kg.				1045.07
	Cost for 1 Kg.				146.57
	Say				146.55

10.15.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 7.13Kg. MATERIAL L- section - 32x22x28mm 1.60mm thick 2.00+2.00+1.00 = 5.00 m Width of MS sheet = 32+24.80+ 22+24.80+ 10mm = 113.60mm = 0.1136 m				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4011	Area of MS sheet = 0.1136x5.00x 0.0016 = 0.0009088 sqm Weight of Sheet = 0.0009088x7850 =7.134 kg Add wastage @ 5% = 0.357Kg. Total = 7.491 kg Say 7.49 kg Mild steel tubes electric resistant or induction butt welded M.S. bars 10mm = 1x1m = 1 metre 1 metre @ 0.60kg/m = 0.60Kg. Add wastage @ 5% = 0.03Kg. Total = 0.63 Kg. Say = 0.006 quintal	kilogram	7.49	50.00	374.50
1002	Mild steel round bar 12 mm dia and below	quintal	0.006	4850.00	29.10
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	For screws and nuts and bolts	L.S.	35.88	2.12	76.07
9999	For applying steel primer	L.S.	17.94	2.12	38.03
9977	Carriage of material	L.S.	5.33	2.12	11.30
	LABOUR				
0103	Blacksmith 2nd class	day	0.04	714.00	28.56
0116	Fitter (grade 1)	day	0.06	784.00	47.04
0114	Beldar	day	0.08	645.00	51.60
9999	Sundries	L.S.	3.64	2.12	7.72
	TOTAL				711.91 W
	Add 1 % Water charges on "W"				7.12
	TOTAL				719.03 X
	Add GST on "X" (multiplying factor 0.1405)				101.02
	TOTAL				820.06 Y
	Add 15% CPOH on "Y"				123.01
	TOTAL				943.07 Z
	Add Cess @ 1% on "Z"				9.43
	Cost for 7.13Kg.				952.50
	Cost for 1 Kg.				133.59
	Say				133.60

10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.

10.16.1 Hot finished welded type tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a truss of span 8 metre weight = 119 kg. MATERIAL 50mm dia. tube Tie beam-1x8.0m = 8.00m+ Principal rafter 2x4.30m = 8.60m Total = 16.60m 16.60m @ 5.10kg./m = 84.66kg. 40mm dia. tube				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4009 2205	Members = $2(0.45+1.25+0.90+2.15)$ Total = $2 \times 4.75 = 9.50\text{m}$ $9.50\text{m} @ 3.61\text{kg/m} = 34.60\text{Kg.}$ Total = 118.96kg. Add wastage @ 5% = 5.94Kg. Total = $124.90\text{Kg. Say 125 kg}$ Mild steel tubes hot finished welded type Carriage of Steel Priming coat $50\text{mm dia. tube } 16.60 \times 0.157\text{m} = 1.61\text{sqm.}$ $40\text{mm dia. tube } 9.50 \times 0.125\text{m} = 1.91 \text{ sqm.}$ Total = 2.80 sqm.	kilogram tonne	125.00 0.125	60.00 145.72	7500.00 18.22
13.50.3	Rate as per item no 13.50.3 of SH : Finishing Welding charges:- Rafter:- $4 \times 22 / 7 \times 6.03 = 75.80\text{cm. +}$ Ties:- $2 \times 22 / 7 \times 6.03 = 37.90\text{cm. +}$ Members:- $2 \times 4 \times 2 \times 22 / 7 \times 4.83 = 242.87\text{cm}$ Total= $356.57\text{cm say 357cm}$	sqm	2.80	55.50	155.40 A
1215	Welding by electric plant LABOUR	cm	357.00	2.00	714.00
0102	For cutting, assembling & erection	day	1.50	784.00	1176.00
0100	Blacksmith 1st class	day	0.75	714.00	535.50
0114	Bandhani	day	5.50	645.00	3547.50
9999	Beldar	L.S.	80.73	2.12	171.15
	TOTAL				13817.76 W
	Add 1 % Water charges on "W-A"				136.62
	TOTAL				13954.39 X
	Add GST on "X-A" (multiplying factor 0.1405)				1938.76
	TOTAL				15893.14 Y
	Add 15% CPOH on "Y-A"				2360.66
	TOTAL				18253.81 Z
	Add Cess @ 1% on "Z-A"				180.98
	Cost for 119 Kg.				18434.79
	Cost for 1 Kg.				154.91
	Say				154.90

10.16.2 Hot finished seamless type tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a truss of span 8 metre weight = 119 kg. MATERIAL 50mm dia. tube Tie beam- $1 \times 8.0\text{m} = 8.00\text{m} +$ Principal rafter $2 \times 4.30\text{m} = 8.60\text{m}$ = 16.60m $16.60\text{m} @ 5.10\text{kg./ m} = 84.66 \text{ kg.}$ 40mm dia. tube				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4010	Members = $2(0.45+1.25+0.90+2.15)$ Total= $2 \times 4.75 = 9.50\text{m}$ $9.50\text{m} @ 3.61\text{kg/m} = 34.60\text{kg.}$ Total = 118.96kg. Add wastage @ 5% = 5.94kg. Total= $124.90\text{kg. say 125 kg}$ Mild steel tubes hot finished seamless type	kilogram tonne	125.00 0.125	70.00 145.72	8750.00 18.22
2205	Carriage of Steel Priming coat 50mm dia. tube $16.60 \times 0.157\text{ m}$ = 1.61 sqm. 40mm dia. tube $9.50 \times 10125\text{m}$ = $1.91\text{ sqm.} = 2.80\text{ sqm.}$				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing Welding charges:- Rafter:- $4 \times 22/7 \times 6.03 = 75.80\text{cm.}+$ Ties :- $2 \times 22/7 \times 6.03 = 37.90\text{cm.}+$ Members :- $2 \times 4 \times 2 \times 22/7 \times 4.83$ = 242.87cm Total= $356.57\text{ cm say 357 cm}$	sqm	2.80	55.50	155.40 A
1215	Welding by electric plant LABOUR	cm	357.00	2.00	714.00
0102	Blacksmith 1st class	day	1.50	784.00	1176.00
0100	Bandhani	day	0.75	714.00	535.50
0114	Beldar	day	5.50	645.00	3547.50
9999	Sundries	L.S.	80.73	2.12	171.15
	TOTAL				15067.76 W
	Add 1 % Water charges on "W-A"				149.12
	TOTAL				15216.89 X
	Add GST on "X-A" (multiplying factor 0.1405)				2116.14
	TOTAL				17333.03 Y
	Add 15% CPOH on "Y-A"				2576.64
	TOTAL				19909.67 Z
	Add Cess @ 1% on "Z-A"				197.54
	Cost for 119 kg				20107.21
	Cost for 1 kg				168.97
	Say				168.95

10.16.3 Electric resistance or induction butt welded tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a truss of span 8 metre weight = 119 kg. MATERIAL 50mm dia. tube Tie beam- $1 \times 8.00\text{m} = 8.00\text{m.}+$ Principal rafter $2 \times 4.30\text{m} = 8.60\text{m}$ Total = 16.60m $16.60\text{m} @ 5.10\text{kg./m} = 84.66\text{kg.}$ 40mm dia. tube				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4011	Members = $2(0.45+1.25+0.90+2.15)$ Total = $2 \times 4.75 = 9.50\text{m}$ $9.50\text{m} @ 3.61\text{kg/m} = 34.60\text{Kg.}$ Total = 118.96kg. Add wastage @ 5% = 5.94Kg. Total = 124.90Kg. say 125 kg Mild steel tubes electric resistant or induction butt welded	kilogram	125.00	50.00	6250.00
2205	Carriage of Steel Priming coat 50mm dia. tube $16.60 \times 0.157\text{m} = 1.61\text{sqm.}$ 40mm dia. tube $9.50 \times 0.125\text{m} = 1.91\text{ sqm.}$ Total = 2.80 sqm.	tonne	0.125	145.72	18.22
13.50.3	Rate as per item no 13.50.3 of SH : Finishing Welding charges:- Rafter:- $4 \times 22 / 7 \times 6.03 = 75.80\text{cm.}+$ Ties:- $2 \times 22 / 7 \times 6.03 = 37.90\text{cm.}+$ Members:- $2 \times 4 \times 22 / 7 \times 4.83 = 242.87\text{cm}$ Total= 356.57cm say 357cm	sqm	2.80	55.50	155.40 A
1215	Welding by electric plant LABOUR	cm	357.00	2.00	714.00
0102	Blacksmith 1st class	day	1.50	784.00	1176.00
0100	Bandhani	day	0.75	714.00	535.50
0114	Beldar	day	5.50	645.00	3547.50
9999	Sundries	L.S.	80.73	2.12	171.15
	TOTAL				12567.76 W
	Add 1 % Water charges on "W-A"				124.12
	TOTAL				12691.89 X
	Add GST on "X-A" (multiplying factor 0.1405)				1761.38
	TOTAL				14453.26 Y
	Add 15% CPOH on "Y-A"				2144.68
	TOTAL				16597.94 Z
	Add Cess @ 1% on "Z-A"				164.43
	Cost for 119 Kg.				16762.37
	Cost for 1 Kg.				140.86
	Say				140.85

10.17 Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 clamp MATERIAL 16mm dia. M.S. bar 1m @ 1.58 kg/m $1 \times 1.58 = 1.58\text{Kg.}$ Add wastage @ 5% = 0.08 Kg. Total = 1.66 Kg. Say 1.70kg. or 0.017q				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1003	Mild steel round bar above 12 mm dia	quintal	0.017	4750.00	80.75
0103	LABOUR	day	0.04	714.00	28.56
0114	Blacksmith 2nd class	day	0.04	645.00	25.80
9988	Beldar	L.S.	1.82	2.12	3.86
	Sundries (Carriage, fixing and painting etc.)				138.97 W
	TOTAL				1.39
	Add 1 % Water charges on "W"				140.36 X
	TOTAL				19.72
	Add GST on "X" (multiplying factor 0.1405)				160.08 Y
	TOTAL				24.01
	Add 15% CPOH on "Y"				184.09 Z
	TOTAL				1.84
	Add Cess @ 1% on "Z"				185.93
	Cost for 1 clamp				185.95
	Say				185.95

10.18 Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4012	Details of cost of one box clamp MATERIAL Circular C.I. Box for ceiling fan 12mm dia. M.S. bar 80cm @ 0.9kg/m = 0.72kg+ Add wastage @ 5% = 0.036 Total = 0.756 kg. Say 0.008 q	each	1.00	55.00	55.00
1002	Mild steel round bar 12 mm dia and below LABOUR	quintal	0.008	4850.00	38.80
0103	Blacksmith 2nd class	day	0.03	714.00	21.42
0114	Beldar	day	0.03	645.00	19.35
9988	Beldar	L.S.	1.82	2.12	3.86
	Sundries (Carriage, fixing and painting etc.)				138.43 W
	TOTAL				1.38
	Add 1 % Water charges on "W"				139.81 X
	TOTAL				19.64
	Add GST on "X" (multiplying factor 0.1405)				159.46 Y
	TOTAL				23.92
	Add 15% CPOH on "Y"				183.37 Z
	TOTAL				1.83
	Add Cess @ 1% on "Z"				185.21
	Cost for 1 box clamp				185.20
	Say				185.20

10.19 Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1035	Details of cost for one bolt 16mm dia. and 1200mm long (0.024 quintal) MATERIAL 1 .2m @ 1.58kg/m = 1.895 kg = 0.019q Bolts and nuts above 300 mm in length Plate-100x100x6mm @ 47kg/sqm. Wt. = 0.47kg. = 0.005q Mild steel plates LABOUR	quintal	0.019	5300.00	100.70
1010	Mild steel plates LABOUR	quintal	0.005	5400.00	27.00
0103	Blacksmith 2nd class	day	0.03	714.00	21.42
9988	Carriage and labour for fixing	L.S.	4.55	2.12	9.65
	TOTAL				158.77 W
	Add 1 % Water charges on "W"				1.59
	TOTAL				160.35 X
	Add GST on "X" (multiplying factor 0.1405)				22.53
	TOTAL				182.88 Y
	Add 15% CPOH on "Y"				27.43
	TOTAL				210.32 Z
	Add Cess @ 1% on "Z"				2.10
	Cost of 0.024q				212.42
	Cost of 1 kg.				88.51
	Say				88.50

10.20 Providing and fixing bolts including nuts and washers complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1034	Details of cost for 0.10q of nuts and washers MATERIAL	quintal	0.10	5200.00	520.00
2205	Bolts and nuts upto 300 mm in length Carriage of Steel LABOUR	tonne	0.01	145.72	1.46
0103	Blacksmith 2nd class	day	0.38	714.00	271.32
0114	Beldar	day	0.38	645.00	245.10
9999	Sundries	L.S.	4.55	2.12	9.65
	TOTAL				1047.52 W
	Add 1 % Water charges on "W"				10.48
	TOTAL				1058.00 X
	Add GST on "X" (multiplying factor 0.1405)				148.65
	TOTAL				1206.65 Y
	Add 15% CPOH on "Y"				181.00
	TOTAL				1387.64 Z
	Add Cess @ 1% on "Z"				13.88
	Cost of 0.10q				1401.52
	Cost of 1 kg.				140.15
	Say				140.15

10.21 Providing and fixing M.S. rivets of sizes in position.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1020	Details of cost for 0.10q of rivets				
2205	MATERIAL Mild steel rivets	quintal tonne	0.10 0.01	5100.00 145.72	510.00 1.46
0116	Carriage of Steel				
0139	LABOUR Fitter (grade 1)	day	0.83	784.00	650.72
9999	Skilled Beldar (for floor rubbing etc.)	day	0.83	714.00	592.62
	Sundries	L.S.	10.79	2.12	22.87
	TOTAL				1777.67 W
	Add 1 % Water charges on "W"				17.78
	TOTAL				1795.45 X
	Add GST on "X" (multiplying factor 0.1405)				252.26
	TOTAL				2047.71 Y
	Add 15% CPOH on "Y"				307.16
	TOTAL				2354.87 Z
	Add Cess @ 1% on "Z"				23.55
	Cost of 0.10q				2378.41
	Cost of 1 kg.				237.84
	Say				237.85

10.22 Welding by gas or electric plant including transportation of plant at site etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1214	Details of cost for one cm.				
	Welding by gas plant	cm	1.00	2.00	2.00
	including transportation of welding plant at site etc. complete				
9999	Sundries	L.S.	0.26	2.12	0.55
	TOTAL				2.55 W
	Add 1 % Water charges on "W"				0.03
	TOTAL				2.58 X
	Add GST on "X" (multiplying factor 0.1405)				0.36
	TOTAL				2.94 Y
	Add 15% CPOH on "Y"				0.44
	TOTAL				3.38 Z
	Add Cess @ 1% on "Z"				0.03
	Cost of 1cm.				3.41
	Say				3.40

- 10.25 Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.**
- 10.25.1 In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	<p>Detail of cost for 5.331 kg Consider a flight of staircase of 2.8m height with tread and riser of 200mm & 0.60m wide. MATERIAL (i) Unequal angles as stringers- 75x50x6mm $4 \times 12.69 \times 5.6 = 284.25$ Kg. Add wastage @ 5% = 14.21 Kg. Total = 298.46kg. Say 2.985q (ii) unequal angles at sides -50x30x5mm $2 \times 14 \times 0.2 \times 3.00 = 16.8$kg. Add wastage @ 5% = 0.84kg. Total = 17.64 kg. Say 0.176q Total = 3.161q</p> <p>Structurals such as tees, angles channels and R.S. joists (iii) plate for tread 8mm thick $14 \times 7.5 = 105.00$kg+ Add wastage @ 5% = 5.25kg. Total = 110.25kg. Say 1.103q</p>	quintal	3.161	4950.00	15646.95
1010	<p>Mild steel plates (iv) G.I. pipe for rolling 40mm $2 \times 12.69 \text{m} = 25.38 \text{m}$+ Add wastage @ 5% = 1.27m Total = 26.65m</p>	quintal	1.103	5400.00	5956.20
1549	<p>G.I. pipes 40 mm dia (v) M.S. round bars 16mm dia. $15 \times 0.75 \times 2 \times 1.58 = 35.55$kg.+ Add wastage @ 5% = 1.78kg. Total = 37.33 Kg. Say 0.373q</p>	metre	26.65	290.00	7728.50
1003 2205	<p>Mild steel round bar above 12 mm dia Carriage of Steel $(3.161 + 1.103 + 0.373) = 4.637$q = 0.4637 tonne</p>	quintal tonne	0.373 0.4637	4750.00 145.72	1771.75 67.57
2271	Carriage of G.I. pipes below 100 mm dia approx. wt. $3.72 \times 26.65 = 99.14$ kg = 0.0991q.	tonne	0.0991	145.72	14.44
1215	Welding by electric plant 23.20 m = 2320cm LABOUR	cm	2320.00	2.00	4640.00
0102	Blacksmith 1st class	day	1.85	784.00	1450.40
0114	Beldar	day	1.25	645.00	806.25
0100	Bandhani	day	0.60	714.00	428.40
	Applying priming coat (i) steps $2.4 \times 14 = 33.60$ sqm.+ (ii) angles- $4 \times 12.69 \times 0.25 = 12.69$ sqm.+ (iii) Bars and other components = 2.00 sqm. (L.S.) Total = 48.29 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.3 9999	Rate as per item no 13.50.3 of SH : Finishing Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 5.331 qunital Cost per kg. Say	sqm L.S.	48.29 110.89	55.50 2.12	2680.10 A 235.09 41425.64 W 387.46 41813.10 X 5498.19 47311.29 Y 6694.68 54005.96 Z 513.26 54519.22 102.27 102.25

10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1008	Details of 1mx1m framed guard bar grating (0.218 quintal). MATERIAL (i) M.S. flat 50x6mm 2.4kg/per metre $5.75 \times 2.40 = 13.8\text{kg.} +$ Add wastage @ 5% = 0.69kg. Total = 14.49kg. Say 14.5 kg. Flats upto 10 mm in thickness (ii) 12mm dia. bars @ 0.89 kg/m $9 \times 1 = 9\text{metre} @ 0.89\text{kg/m} = 8.01\text{kg+}$ Add wastage @ 5% = 0.40kg. Total = 8.41 kg. Say 0.084q	quintal	0.145	4850.00	703.25
1002 2205 1215	Mild steel round bar 12 mm dia and below Carriage of Steel Welding by electric plant 60 cm LABOUR	quintal tonne cm	0.084 0.0229 60.00	4850.00 145.72 2.00	407.40 3.34 120.00
0102 0114 0100	Blacksmith 1st class Beldar Bandhani	day	0.70 0.50 0.25	784.00 645.00 714.00	548.80 322.50 178.50
13.50.3 9999	Applying priming coat 0.6 sqm. Rate as per item no 13.50.3 of SH : Finishing Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 0.218 qunital Cost per kg Say	sqm L.S.	0.60 4.55	55.50 2.12	33.30 A 9.65 2326.73 W 22.93 2349.67 X 325.45 2675.12 Y 396.27 3071.39 Z 30.38 3101.77 142.28 142.30

10.26 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.

10.26.1 M.S. tube

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 19.49 kg Details of cost for hand rail of railing of two flights of staircase, length of hand rail = 5.40m MATERIAL M.S. tube 40mm nominal bore (medium) = 5.40m @ 3.6kg/m= 19.49kg Add wastage @ 5% = 0.97 kg Total = 20.46 kg				
4009 2205	Mild steel tubes hot finished welded type Carriage of Steel 20.46kg = 0.205q Priming coat 40mm dia.Tube 5.4x22/7x0.0483 = 0.82 sqm	kilogram tonne	20.46 0.0205	60.00 145.72	1227.60 2.99
13.50.3 1215	Rate as per item no 13.50.3 of SH : Finishing Welding by electric plant (joints of hand rail and ballusters) 18x4x1.00 = 72cm Labour for cutting assembling & erection LABOUR	sqm cm	0.82 72.00	55.50 2.00	45.51 A 144.00
0102 0114 0100 9999	Blacksmith 1st class Beldar Bandhani Sundries	day day day L.S.	0.24 0.90 0.12 12.48	784.00 645.00 714.00 2.12	188.16 580.50 85.68 26.46 2300.89 W 22.55 2323.45 X 320.05 2643.50 Y 389.70 3033.20 Z 29.88 3063.07 157.16 157.15
	TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 19.49 Kg. Cost per 1 kg. Say				

10.26.2 E.R.W. tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 17.71 kg Details of cost for hand rail of railing of two flights of staircase, length of hand rail =5.40m				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL E.R.W. tube 40mm nominal bore = 5.40m @ 3.28kg/m= 17.71kg Add wastage @ 5% = 0.88 kg Total = 18.59 kg				
4011	Mild steel tubes electric resistant or induction butt welded	kilogram	18.59	50.00	929.50
2205	Carriage of Steel 18.59kg = 0.0186q	tonne	0.0186	145.72	2.71
13.50.3	Priming coat 40mm dia.Tube 5.4x22/7x0.0483 = 0.82 sqm				
1215	Rate as per item no 13.50.3 of SH : Finishing Welding by electric plant (joints of hand rail and ballusters) 18x4x1.00 = 72cm Labour for cutting assembling & erection	sqm cm	0.82 72.00	55.50 2.00	45.51 A 144.00
0102	LABOUR Blacksmith 1st class	day	0.24	784.00	188.16
0114	Beldar	day	0.90	645.00	580.50
0100	Bandhani	day	0.12	714.00	85.68
9999	Sundries	L.S.	12.48	2.12	26.46
	TOTAL				2002.52 W
	Add 1 % Water charges on "W-A"				19.57
	TOTAL				2022.09 X
	Add GST on "X-A" (multiplying factor 0.1405)				277.71
	TOTAL				2299.80 Y
	Add 15% CPOH on "Y-A"				338.14
	TOTAL				2637.94 Z
	Add Cess @ 1% on "Z-A"				25.92
	Cost of 17.71 Kg.				2663.86
	Cost per 1 kg.				150.42
	Say				150.40

10.26.3 G.I. pipes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for hand rail of railing of two flights of staircase, length of hand rail = 5.40m i.e. 20.09 kg				
1549	MATERIAL G.I. pipe 40mm nominal bore = 5.40m				
2271	Add wastage @ 5% = 0.27m Total = 5.67m G.I. pipes 40 mm dia Carriage of G.I. pipes below	metre	5.67	290.00	1644.30
	100 mm dia (5.67m @ 3.72 kg/m = 21.09kg)	tonne	0.0211	145.72	3.07
13.50.3	Priming coat 40mm dia.Tube 5.4x22/7x0.0483 = 0.82 sqm				
	Rate as per item no 13.50.3 of SH : Finishing	sqm	0.82	55.50	45.51 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1215	Welding by electric plant (joints of hand rail and ballusters) 18x4x1.00 = 72cm LABOUR	cm	72.00	2.00	144.00
0102	Labour for cutting assembling & erection	day	0.24	784.00	188.16
0114	Blacksmith 1st class	day	0.90	645.00	580.50
0100	Beldar	day	0.12	714.00	85.68
9999	Bandhani	L.S.	12.48	2.12	26.46
	TOTAL				2717.68 W
	Add 1 % Water charges on "W-A"				26.72
	TOTAL				2744.40 X
	Add GST on "X-A" (multiplying factor 0.1405)				379.19
	TOTAL				3123.59 Y
	Add 15% CPOH on "Y-A"				461.71
	TOTAL				3585.30 Z
	Add Cess @ 1% on "Z-A"				35.40
	Cost of 20.09 Kg.				3620.70
	Cost per 1 kg.				180.22
	Say				180.20

10.27 Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm²), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.

10.27.1 10 x 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2506	Details of cost for 10 nos. MATERIAL Carbon Steel galvanised dash fastner (min coating 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 60mm LABOUR	10 nos	1.00	270.00	270.00
0124	Mason (brick layer) 2nd class	day	0.40	714.00	285.60
0114	Beldar	day	0.40	645.00	258.00
9977	Sundries for carriage of material	L.S.	10.00	2.12	21.20
	TOTAL				834.80 W
	Add 1 % Water charges on "W"				8.35
	TOTAL				843.15 X
	Add GST on "X" (multiplying factor 0.1405)				118.46
	TOTAL				961.61 Y
	Add 15% CPOH on "Y"				144.24
	TOTAL				1105.85 Z
	Add Cess @ 1% on "Z"				11.06
	Cost of 10 Nos.				1116.91
	Cost of 1 no				111.69
	Say				111.70

10.27.2 10 x 80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2507	Details of cost for 10 nos. MATERIAL Carbon Steel galvanised dash fastner (min. coating 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 80mm LABOUR				
0124	Mason (brick layer) 2nd class	day	0.40	714.00	285.60
0114	Beldar	day	0.40	645.00	258.00
9977	Sundries for carriage of material	L.S.	10.00	2.12	21.20
	TOTAL				876.80 W
	Add 1 % Water charges on "W"				8.77
	TOTAL				885.57 X
	Add GST on "X" (multiplying factor 0.1405)				124.42
	TOTAL				1009.99 Y
	Add 15% CPOH on "Y"				151.50
	TOTAL				1161.49 Z
	Add Cess @ 1% on "Z"				11.61
	Cost of 10 Nos.				1173.10
	Cost of 1 no				117.31
	Say				117.30

10.27.3 10 x 120 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2508	Details of cost for 10 nos. MATERIAL Carbon Steel galvanised dash fastner (min coating 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 120mm LABOUR				
0124	Mason (brick layer) 2nd class	day	0.50	714.00	357.00
0114	Beldar	day	0.50	645.00	322.50
9977	Sundries for carriage of material	L.S.	10.00	2.12	21.20
	TOTAL				1080.70 W
	Add 1 % Water charges on "W"				10.81
	TOTAL				1091.51 X
	Add GST on "X" (multiplying factor 0.1405)				153.36
	TOTAL				1244.86 Y
	Add 15% CPOH on "Y"				186.73
	TOTAL				1431.59 Z
	Add Cess @ 1% on "Z"				14.32
	Cost of 10 Nos.				1445.91
	Cost of 1 no				144.59
	Say				144.60

10.27.4 10 x 140 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2509	Details of cost for 10 nos. MATERIAL Carbon Steel galvanised dash fastner (min. coating 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 140mm LABOUR				
0124	Mason (brick layer) 2nd class	day	0.50	714.00	357.00
0114	Beldar	day	0.50	645.00	322.50
9977	Sundries for carriage of material	L.S.	10.00	2.12	21.20
	TOTAL				1168.70 W
	Add 1 % Water charges on "W"				11.69
	TOTAL				1180.39 X
	Add GST on "X" (multiplying factor 0.1405)				165.84
	TOTAL				1346.23 Y
	Add 15% CPOH on "Y"				201.93
	TOTAL				1548.16 Z
	Add Cess @ 1% on "Z"				15.48
	Cost of 10 Nos.				1563.64
	Cost of 1 no				156.36
	Say				156.35

10.27.5 10 x 160 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2510	Details of cost for 10 nos. MATERIAL Carbon Steel galvanised dash fastner (min coating 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 160mm LABOUR				
0124	Mason (brick layer) 2nd class	day	0.60	714.00	428.40
0114	Beldar	day	0.60	645.00	387.00
9977	Sundries for Carriage of material	L.S.	10.00	2.12	21.20
	TOTAL				1434.60 W
	Add 1 % Water charges on "W"				14.35
	TOTAL				1448.95 X
	Add GST on "X" (multiplying factor 0.1405)				203.58
	TOTAL				1652.53 Y
	Add 15% CPOH on "Y"				247.88
	TOTAL				1900.41 Z
	Add Cess @ 1% on "Z"				19.00
	Cost of 10 Nos.				1919.41
	Cost of 1 no				191.94
	Say				191.95

10.28 **Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4001	Details of cost for 2kg MATERIAL Qty= 2kg + Add wastage @ 5% = 0.10 Total = 2.1 kg Stainless steel (Grade-304)hollow section round/square tubes	kg	2.10	230.00	483.00
4002	Stainless steel bolts/square bar and plates LABOUR for fabrication, assembling, erection, welding, curvaturung, grinding, buffling etc.	kg	1.00	120.00	120.00
0102	Blacksmith 1st class	day	0.06	784.00	47.04
0114	Beldar	day	0.20	645.00	129.00
0100	Bandhani	day	0.02	714.00	14.28
9999	Welding of stainless steel section	L.S.	30.00	2.12	63.60
9999	Curvaturung, grinding, finishing, buffing	L.S.	20.00	2.12	42.40
9999	Sundries for making good wall and floors	L.S.	7.50	2.12	15.90
	TOTAL				915.22 W
	Add 1 % Water charges on "W"				9.15
	TOTAL				924.37 X
	Add GST on "X" (multiplying factor 0.1405)				129.87
	TOTAL				1054.24 Y
	Add 15% CPOH on "Y"				158.14
	TOTAL				1212.37 Z
	Add Cess @ 1% on "Z"				12.12
	Cost of 2 kg				1224.49
	Cost of 1 kg.				612.25
	Say				612.25

10.29 **Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.**

10.29.1 **Galvanised M.S. Wire gauze with 0.63 mm dia wire and 1.4 mm aperture on both sides**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window shutter 1.40x1.10=1.54 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7029	MATERIAL Wire gauze $1.40 \times 1.10 = 1.54$ sqm Add wastage @ 10 % = 0.15 sqm Total = 1.69 sqm Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm				
9977	CARRIAGE M.S. Flat $15 \times 3 = 2 \times (1.40 + 1.10) = 5.0$ metre Add wastage @ 5 % = 0.25 m Total = 5.25 m $5.25 @ 0.35 \text{ kg/m} = 1.84 \text{ kg}$	sqm L.S.	1.69 1.82	250.00 2.12	422.50 3.86
1008	Flats upto 10 mm in thickness	quintal	0.0184	4850.00	89.24
9977	CARRIAGE	L.S.	1.82	2.12	3.86
0103	LABOUR Blacksmith 2nd class	day	0.17	714.00	121.38
0112	Carpenter 2nd class	day	0.17	714.00	121.38
0114	Beldar	day	0.06	645.00	38.70
9999	Sundries	L.S.	19.76	2.12	41.89
	TOTAL Add 1 % Water charges on "W"				842.81 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				8.43
	TOTAL Add 15% CPOH on "Y"				851.24 X
	TOTAL Add Cess @ 1% on "Z"				119.60
	Cost of 1.54 sqm.				970.84 Y
	Cost of 1 sqm.				145.63
	Say				1116.47 Z
					11.16
					1127.63
					732.22
					732.20

10.29.2 Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8737	Details of cost for a window shutter $1.40 \times 1.10 = 1.54$ sqm MATERIAL Wire gauze $1.40 \times 1.10 = 1.54$ sqm Add wastage @ 10 % = 0.15 sqm Total = 1.69 sqm Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.69	413.00	697.97
9977	CARRIAGE M.S. Flat $15 \times 3 = 2 \times (1.40 + 1.10) = 5.0$ metre Add wastage @ 5 % = 0.25 m Total = 5.25 m $5.25 @ 0.35 \text{ kg/m} = 1.84 \text{ kg}$	L.S.	1.82	2.12	3.86
1008	Flats upto 10 mm in thickness	quintal	0.0184	4850.00	89.24
9977	CARRIAGE	L.S.	1.82	2.12	3.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0103	LABOUR				
0112	Blacksmith 2nd class	day	0.17	714.00	121.38
0114	Carpenter 2nd class	day	0.17	714.00	121.38
9999	Beldar	day	0.06	645.00	38.70
	Sundries	L.S.	19.76	2.12	41.89
	TOTAL				1118.28 W
	Add 1 % Water charges on "W"				11.18
	TOTAL				1129.46 X
	Add GST on "X" (multiplying factor 0.1405)				158.69
	TOTAL				1288.15 Y
	Add 15% CPOH on "Y"				193.22
	TOTAL				1481.37 Z
	Add Cess @ 1% on "Z"				14.81
	Cost of 1.54 sqm.				1496.18
	Cost of 1 sqm.				971.55
	Say				971.55

10.30 Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :

10.30.1 4.0 mm thick glass panes (weight not less than 10 kg/ sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2406	Details of cost for 10 glass panes (area of each pane = 0.10 sqm) MATERIAL Area of glass panes =1.00 sqm + Add wastage @ 10% = 0.10 Total =1.10 sqm Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).				
9977	CARRIAGE LABOUR Glazier	sqm L.S. day	1.10 1.82 0.13	309.00 2.12 714.00	339.90 3.86 92.82
0119	Sundries, putty, glazing clips, scaffolding etc.	L.S.	125.58	2.12	266.23
9999	TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1.0 sqm Say				702.81 W 7.03 709.84 X 99.73 809.57 Y 121.44 931.01 Z 9.31 940.31 940.30

10.30.2 5.0 mm thick glass panes (weight not less than 12.50 kg/ sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 glass panes (area of each pane = 0.10 sqm) MATERIAL Area of glass panes =1.00 sqm + Add wastage @ 10% = 0.10 Total =1.10 sqm 2407 Float glass sheet of nominal thickness 5.0 mm.(weight not less than 12.50 kg/sqm).				
9977	CARRIAGE	sqm	1.10	515.00	566.50
0119	LABOUR	L.S.	1.82	2.12	3.86
9999	Glazier	day	0.13	714.00	92.82
	Sundries, putty, glazing clips, scaffolding etc.	L.S.	125.58	2.12	266.23
	TOTAL				929.41 W
	Add 1 % Water charges on "W"				9.29
	TOTAL				938.70 X
	Add GST on "X" (multiplying factor 0.1405)				131.89
	TOTAL				1070.59 Y
	Add 15% CPOH on "Y"				160.59
	TOTAL				1231.18 Z
	Add Cess @ 1% on "Z"				12.31
	Cost of 1.0 sqm				1243.49
	Say				1243.50

10.31 Providing and fixing angle iron frames for doors, windows and ventilators of mild steel angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer-In-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 17.50 kg MATERIAL Angle/Tee iron 40x40x6 mm= 2+2+1 = 5 m 5 Meters @3.5 Kg/m = 17.5 Kg+ Add Wastage @5% =0.87Kg."Total =18.37 Kg. Say 0.18 Quintal Structural steel such as tees, angles, channels and R.S. Joists				
1007	M.S. Flats 3x5 mm for fixing frame 6x0.05= 0.3 Metre @1.18 Kg/m = 0.354 Kg Add wastage @5% = 0.018 Kg Total = 0.37Kg. Say 0.0037 Qunital	quintal	0.18	4950.00	891.00
1008		quintal	0.0037	4850.00	17.95

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1002	M.S. Bars 10mm =1x1 m = 1Metre 1 Metre @0.60Kg/m =0.60Kg + Add wastage @5% = 0.03 Kg. Total =0.63 Kg, say 0.006 Quintal Mild steel round bars 10mm dia and below				
9999	For applying steel primer	quintal	0.006	4850.00	29.10
9999	Carriage of material	L.S.	17.94	2.12	38.03
1215	Welding by electric plant	L.S.	5.33	2.12	11.30
	LABOUR	cm	16.00	2.00	32.00
0103	Blacksmith 2nd Class	day	0.10	714.00	71.40
0116	Fitter (Grade-I)	day	0.15	784.00	117.60
0114	Beldar	day	0.20	645.00	129.00
9999	Sundries	L.S.	8.97	2.12	19.02
	TOTAL				1356.39 W
	Add 1 % Water charges on "W"				13.56
	TOTAL				1369.95 X
	Add GST on "X" (multiplying factor 0.1405)				192.48
	TOTAL				1562.43 Y
	Add 15% CPOH on "Y"				234.37
	TOTAL				1796.80 Z
	Add Cess @ 1% on "Z"				17.97
	Cost for 17.50 kg				1814.77
	Rate per kg				103.70
	Say				103.70

SUB HEAD : 11.0

FLOORING

11.1 Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks:

11.1.1 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5				
2201	Carriage of Bricks	1000 Nos	0.565	4590.00	2593.35
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.565	437.15	246.99
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.434	4355.20	1890.16
0367	Portland Cement	tonne	0.02	5000.00	100.00
2209	Carriage of Cement	tonne	0.02	145.72	2.91
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.08	714.00	771.12
0114	Beldar	day	0.25	645.00	161.25
0115	Coolie	day	1.62	645.00	1044.90
0101	Bhisti	day	0.27	714.00	192.78
	TOTAL				7003.46 W
	Add 1 % Water charges on "W"				70.03
	TOTAL				7073.50 X
	Add GST on "X" (multiplying factor 0.1405)				993.83
	TOTAL				8067.32 Y
	Add 15% CPOH on "Y"				1210.10
	TOTAL				9277.42 Z
	Add Cess @ 1% on "Z"				92.77
	Cost of 10 sqm.				9370.19
	Cost of 1 sqm.				937.02
	Say				937.00

11.1.2 1:6 (1cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5				
2201	Carriage of Bricks	1000 Nos	0.565	4590.00	2593.35
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.565	437.15	246.99
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.434	3686.30	1599.85
0367	Portland Cement	tonne	0.02	5000.00	100.00
2209	Carriage of Cement	tonne	0.02	145.72	2.91
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.08	714.00	771.12
0114	Beldar	day	0.25	645.00	161.25
0115	Coolie	day	1.62	645.00	1044.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	day	0.27	714.00	192.78 6713.16 W 67.13 6780.29 X 952.63 7732.92 Y 1159.94 8892.86 Z 88.93 8981.79 898.18 898.20

11.2 Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.645	4590.00	2960.55
2201	Carriage of Bricks	1000 Nos	0.645	437.15	281.96
0983	Fine sand (zone IV)	cum	0.15	900.00	135.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.15	163.93	24.59
3.18	Mud Mortar Rate as per Item Number 3.18 of SH: Mortars LABOUR	cum	0.15	823.15	123.47
0124	Mason (brick layer) 2nd class	day	0.9	714.00	642.60
0115	Coolie	day	1.98	645.00	1277.10
0101	Bhisti TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	day	0.05	714.00	35.70 5480.97 W 54.81 5535.78 X 777.78 6313.56 Y 947.03 7260.60 Z 72.61 7333.20 733.32 733.30

- 11.3 Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.**
- 11.3.1 40 mm thick with 20 mm nominal size stone aggregate**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 10 sqm. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.267	1400.00	373.80
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.089	1350.00	120.15
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.356	163.93	58.36
0982	Coarse sand (zone III)	cum	0.178	1500.00	267.00
2203	Carriage of Coarse sand	cum	0.178	163.93	29.18
0367	Portland Cement	tonne	0.17	5000.00	850.00
2209	Carriage of Cement	tonne	0.17	145.72	24.77
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	1.40	645.00	903.00
0101	Bhisti	day	1.04	714.00	742.56
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	784.00	23.52
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
9999	Sundries	L.S.	40.43	2.12	85.71
	TOTAL				4073.25 W
	Add 1 % Water charges on "W"				40.73
	TOTAL				4113.99 X
	Add GST on "X" (multiplying factor 0.1405)				578.01
	TOTAL				4692.00 Y
	Add 15% CPOH on "Y"				703.80
	TOTAL				5395.80 Z
	Add Cess @ 1% on "Z"				53.96
	Cost of 10 sqm.				5449.76
	Cost of 1 sqm.				544.98
	Say				545.00

- 11.4 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 10 sqm. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.267	1400.00	373.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.089	1350.00	120.15
2202	Carriage of Stone aggregate below 40 mm	cum	0.356	163.93	58.36
0982	Coarse sand (zone III)	cum	0.178	1500.00	267.00
2203	Carriage of Coarse sand	cum	0.178	163.93	29.18
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	0.115	1400.00	161.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.115	163.93	18.85
0367	Portland Cement	tonne	0.211	5000.00	1055.00
0367	Portland Cement	tonne	0.02	5000.00	100.00
2209	Carriage of Cement	tonne	0.231	145.72	33.66
7254	Hardening compound	litre	2.44	36.00	87.84
9977	Carriage of hard crete	L.S.	2.73	2.12	5.79
	LABOUR				
0124	Mason (brick layer) 2nd class	day	2.15	714.00	1535.10
0114	Beldar	day	1.60	645.00	1032.00
0115	Coolie	day	1.88	645.00	1212.60
0101	Bhisti	day	0.27	714.00	192.78
9999	Sundries	L.S.	53.82	2.12	114.10
	TOTAL				6397.21 W
	Add 1 % Water charges on "W"				63.97
	TOTAL				6461.18 X
	Add GST on "X" (multiplying factor 0.1405)				907.80
	TOTAL				7368.98 Y
	Add 15% CPOH on "Y"				1105.35
	TOTAL				8474.32 Z
	Add Cess @ 1% on "Z"				84.74
	Cost of 10 sqm.				8559.07
	Cost of 1 sqm.				855.91
	Say				855.90

11.5 62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 10 sqm. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.334	1400.00	467.60
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.111	1350.00	149.85
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.445	163.93	72.95
0982	Coarse sand (zone III)	cum	0.222	1500.00	333.00
2203	Carriage of Coarse sand	cum	0.222	163.93	36.39

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	0.115	1400.00	161.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.115	163.93	18.85
0367	Portland Cement	tonne	0.243	5000.00	1215.00
0367	Portland Cement	tonne	0.02	5000.00	100.00
2209	Carriage of Cement	tonne	0.263	145.72	38.32
7254	Hardening compound	litre	2.44	36.00	87.84
9977	Carriage of Hardening compound	L.S.	2.73	2.12	5.79
	LABOUR				
0124	Mason (brick layer) 2nd class	day	2.15	714.00	1535.10
0114	Beldar	day	1.86	645.00	1199.70
0115	Coolie	day	1.88	645.00	1212.60
0101	Bhisti	day	0.27	714.00	192.78
9999	Sundries	L.S.	53.82	2.12	114.10
	TOTAL				6940.87 W
	Add 1 % Water charges on "W"				69.41
	TOTAL				7010.28 X
	Add GST on "X" (multiplying factor 0.1405)				984.94
	TOTAL				7995.23 Y
	Add 15% CPOH on "Y"				1199.28
	TOTAL				9194.51 Z
	Add Cess @ 1% on "Z"				91.95
	Cost of 10 sqm.				9286.46
	Cost of 1 sqm.				928.65
	Say				928.65

11.6 Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.

11.6.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL Cement mortar 1:3 = 0.205 cum+ Add for rounding corners = 0.030 cum = 0.235 cum. Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.235	5024.15	1180.68
0367	Portland Cement	tonne	0.02	5000.00	100.00
2209	Carriage of Cement	tonne	0.02	145.72	2.91
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.88	714.00	1342.32
0115	Coolie	day	1.88	645.00	1212.60
0101	Bhisti	day	0.54	714.00	385.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	19.76	2.12	41.89 4265.96 W 42.66 4308.62 X 605.36 4913.98 Y 737.10 5651.08 Z 56.51 5707.59 570.76 570.75

11.7 Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.3	Details of cost for one cum. MATERIAL Cement concrete 1:2:4 Rate as per item No.4.1.3 of S.H.Concrete Work	cum	1.00	7365.15	7365.15 A
0124	Extra labour for laying in floors etc.	day	0.35	714.00	249.90
0114	Mason (brick layer) 2nd class	day	0.18	645.00	116.10
0101	Beldar	day	0.05	714.00	35.70
9999	Sundries TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 1 Cum. Say	L.S.	19.76	2.12	41.89 7808.74 W 4.44 7813.18 X 62.95 7876.12 Y 76.65 7952.77 Z 5.88 7958.65 7958.65

11.8 Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	Details of cost for 10 sqm. LABOUR Mason (brick layer) 2nd class	day	0.36	714.00	257.04
0114	Beldar	day	0.36	645.00	232.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Chequered plate etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	13.52	2.12	28.66 517.90 W 5.18 523.08 X 73.49 596.57 Y 89.49 686.06 Z 6.86 692.92 69.29 69.30

11.9 40 mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 1 mm to 4 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume, including cement slurry etc. complete :

11.9.1 Dark shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0296	Details of cost for 10 sqm. MATERIAL For under layer of 34mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.227	1350.00	306.45
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.076	1350.00	102.60
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.303	163.93	49.67
0982	Coarse sand (zone III)	cum	0.151	1500.00	226.50
2203	Carriage of Coarse sand	cum	0.151	163.93	24.75
0367	Portland Cement	tonne	0.109	5000.00	545.00
0367	Portland Cement	tonne	0.02	5000.00	100.00
2209	Carriage of Cement for top layer 6mm thick	tonne	0.129	145.72	18.80
0785	Marble chips upto 4mm and downsize White & black	quintal	0.872	189.00	164.81
2268	Carriage of Marble dust and marble chips	cum	0.051	163.93	8.36
0367	Portland Cement	tonne	0.0405	5000.00	202.50
2209	Carriage of Cement	tonne	0.0405	145.72	5.90
0784	Marble dust/ powder	cum	0.007	1130.00	7.91
0874	Black colour dark shade pigment 3.5kg/ 50kg of cement = 40.5x3.5/50 =2.84kg	kilogram	2.84	70.00	198.80
9977	Carriage of pigment & marble powder etc. LABOUR	L.S.	3.64	2.12	7.72
0124	Mason (brick layer) 2nd class	day	1.79	714.00	1278.06
0114	Beldar	day	1.99	645.00	1283.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	1.04	714.00	742.56
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	784.00	23.52
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries	L.S.	161.46	2.12	342.30
	TOTAL				6857.75 W
	Add 1 % Water charges on "W"				68.58
	TOTAL				6926.33 X
	Add GST on "X" (multiplying factor 0.1405)				973.15
	TOTAL				7899.48 Y
	Add 15% CPOH on "Y"				1184.92
	TOTAL				9084.40 Z
	Add Cess @ 1% on "Z"				90.84
	Cost of 10 sqm				9175.25
	Cost of 1 sqm				917.52
	Say				917.50

11.9.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	917.50	9175.00 A
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	2.84	60.00	170.40
0874	Black colour dark shade pigment Add difference of cost due to using white cement instead of grey cement Add for	kilogram	-2.84	70.00	-198.80
0368	White Cement Deduct for	tonne	0.0405	11200.00	453.60
0367	Portland Cement TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm Cost of 1 sqm Say	tonne	-0.0405	5000.00	-202.50 9397.70 W 2.23 9399.93 X 31.60 9431.53 Y 38.48 9470.01 Z 2.95 9472.96 947.30 947.30

11.9.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	917.50	9175.00 A
0876	Green or blue medium shade pigment	kilogram	2.84	56.00	159.04
0874	Deduct for Black colour dark shade pigment Add difference of cost due to using white cement instead of grey cement Add for	kilogram	-2.84	70.00	-198.80
0368	White Cement	tonne	0.0203	11200.00	227.36
0367	Deduct for Portland Cement TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm Cost of 1 sqm Say	tonne	-0.0203	5000.00	-101.50 9261.10 W 0.86 9261.96 X 12.22 9274.18 Y 14.88 9289.06 Z 1.14 9290.20 929.02 929.00

11.9.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0296	Details of cost for 10 sqm. MATERIAL For under layer of 34mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.227	1350.00	306.45
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.076	1350.00	102.60
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.303	163.93	49.67
0982	Coarse sand (zone III)	cum	0.151	1500.00	226.50
2203	Carriage of Coarse sand	cum	0.151	163.93	24.75
0367	Portland Cement	tonne	0.109	5000.00	545.00
0367	Portland Cement	tonne	0.02	5000.00	100.00
2209	Carriage of Cement for top layer 6mm thick	tonne	0.129	145.72	18.80
0785	Marble chips upto 4mm and downsize White & black	quintal	0.958	189.00	181.06
2268	Carriage of Marble dust and marble chips	cum	0.056	163.93	9.18
0368	White Cement	tonne	0.0405	11200.00	453.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of Cement	tonne	0.0405	145.72	5.90
0784	Marble dust/ powder	cum	0.007	1130.00	7.91
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	714.00	1278.06
0114	Beldar	day	1.99	645.00	1283.55
0101	Bhisti	day	1.04	714.00	742.56
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	784.00	23.52
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries	L.S.	161.46	2.12	342.30
	TOTAL				6919.41 W
	Add 1 % Water charges on "W"				69.19
	TOTAL				6988.61 X
	Add GST on "X" (multiplying factor 0.1405)				981.90
	TOTAL				7970.50 Y
	Add 15% CPOH on "Y"				1195.58
	TOTAL				9166.08 Z
	Add Cess @ 1% on "Z"				91.66
	Cost of 10 sqm				9257.74
	Cost of 1 sqm				925.77
	Say				925.75

11.9.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	917.50	9175.00 A
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	2.84	60.00	170.40
0874	Deduct for Black colour dark shade pigment TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm cost of 1 sqm Say	kilogram	-2.84	70.00	-198.80 9146.60 W -0.28 9146.32 X -4.03 9142.29 Y -4.91 9137.38 Z -0.38 9137.00 913.70 913.70

11.9.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1 0874 9999	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring Less cost of dark shade pigment Deduct for Black colour dark shade pigment Deduct for carriage of pigment TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm cost of 1 sqm Say	sqm kilogram L.S.	10.00 -2.84 -3.64	917.50 70.00 2.12	9175.00 A -198.80 -7.72 8968.48 W -2.07 8966.42 X -29.31 8937.11 Y -35.68 8901.43 Z -2.74 8898.69 889.87 889.85

11.10 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 9 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4 mm to 7 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume, including cement slurry etc. complete.

11.10.1 Dark shade pigment with Ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0296	Details of cost for 10 sqm MATERIAL For Under layer of 31 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.21	1350.00	283.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.07	1350.00	94.50
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.28	163.93	45.90
0982	Coarse sand (zone III)	cum	0.14	1500.00	210.00
2203	Carriage of Coarse sand	cum	0.14	163.93	22.95
0367	Portland Cement	tonne	0.1005	5000.00	502.50
2209	Carriage of Cement for top layer 9mm thick	tonne	0.1205	145.72	17.56
0788	Marble chips large size above 4 mm White & black	quintal	1.40	250.00	350.00
2268	Carriage of Marble dust and marble chips	cum	0.082	163.93	13.44
0367	Portland Cement	tonne	0.0578	5000.00	289.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of Cement	tonne	0.0578	145.72	8.42
0784	Marble dust/ powder	cum	0.012	1130.00	13.56
0874	Black colour dark shade pigment 3.5kg/ 50kg of cement = $57.80 \times 3.5 / 50 = 4.05\text{kg}$	kilogram	4.05	70.00	283.50
9977	Carriage of pigment & marble powder etc. LABOUR	L.S.	5.46	2.12	11.58
0124	Mason (brick layer) 2nd class	day	1.79	714.00	1278.06
0114	Beldar	day	1.99	645.00	1283.55
0101	Bhisti	day	1.04	714.00	742.56
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	784.00	23.52
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.00	300.00	300.00
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm Cost of 1 sqm Say	L.S.	134.55	2.12	285.25 6797.35 W 67.97 6865.32 X 964.58 7829.90 Y 1174.48 9004.38 Z 90.04 9094.43 909.44 909.45

11.10.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.10.1	Details of cost for 10 sqm Rate as per item no 11.10.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	909.45	9094.50 A
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	4.05	60.00	243.00
0874	Black colour dark shade pigment Add difference of cost due to using white cement instead of grey cement Add for	kilogram	-4.05	70.00	-283.50
0368	White Cement Deduct for	tonne	0.0578	11200.00	647.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm Cost of 1 sqm Say	tonne	-0.0578	5000.00	-289.00 9412.36 W 3.18 9415.54 X 45.11 9515.57 Y 54.92 9890.07 Z 4.21 9519.78 951.98 952.90

11.10.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.10.1	Details of cost for 10 sqm Rate as per item no 11.10.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	909.45	9094.50 A
0876	Green or blue medium shade pigment Deduct for	kilogram	4.05	56.00	226.80
0874	Black colour dark shade pigment Add difference of cost due to using white cement instead of grey cement Add for	kilogram	-4.05	70.00	-283.50
0368	White Cement Deduct for	tonne	0.0289	11200.00	323.68
0367	Portland Cement TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm Cost of 1 sqm Say	tonne	-0.0289	5000.00	-144.50 9216.98 W 1.22 9218.20 X 17.38 9235.59 Y 21.16 9256.75 Z 1.62 9258.37 925.84 925.85

11.10.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL				
0296	For Under layer of 31 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.21	1350.00	283.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.07	1350.00	94.50
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.28	163.93	45.90
0982	Coarse sand (zone III)	cum	0.14	1500.00	210.00
2203	Carriage of Coarse sand	cum	0.14	163.93	22.95
0367	Portland Cement	tonne	0.1005	5000.00	502.50
2209	Carriage of Cement for top layer 9mm thick	tonne	0.1205	145.72	17.56
0788	Marble chips large size above 4 mm White & black	quintal	1.40	250.00	350.00
2268	Carriage of Marble dust and marble chips	cum	0.082	163.93	13.44
0368	White Cement	tonne	0.0578	11200.00	647.36
2209	Carriage of Cement	tonne	0.0578	145.72	8.42
0784	Marble dust/ powder	cum	0.012	1130.00	13.56
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	714.00	1278.06
0114	Beldar	day	1.99	645.00	1283.55
0101	Bhisti	day	1.04	714.00	742.56
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	784.00	23.52
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.00	300.00	300.00
9999	Sundries	L.S.	134.55	2.12	285.25
	TOTAL				6860.63 W
	Add 1 % Water charges on "W"				68.61
	TOTAL				6929.25 X
	Add GST on "X" (multiplying factor 0.1405)				973.56
	TOTAL				7902.79 Y
	Add 15% CPOH on "Y"				1185.42
	TOTAL				9088.21 Z
	Add Cess @ 1% on "Z"				90.88
	Cost of 10 sqm				9179.10
	Cost of 1 sqm				917.91
	Say				917.90

11.10.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.10.1	Details of cost for 10 sqm Rate as per item no 11.10.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	909.45	9094.50 A
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	4.05	60.00	243.00
0874	Black colour dark shade pigment TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm cost of 1 sqm Say	kilogram	-4.05	70.00	-283.50 9054.00 W -0.41 9053.60 X -5.75 9047.85 Y -7.00 9040.85 Z -0.54 9040.31 904.03 904.05

11.10.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0296	Details of cost for 10 sqm MATERIAL For under layer 31 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.21	1350.00	283.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.07	1350.00	94.50
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.28	163.93	45.90
0982	Coarse sand (zone III)	cum	0.14	1500.00	210.00
2203	Carriage of Coarse sand	cum	0.14	163.93	22.95
0367	Portland Cement	tonne	0.1005	5000.00	502.50
2209	Carriage of Cement for top layer 9mm thick	tonne	0.1205	145.72	17.56
0788	Marble chips large size above 4 mm White & black	quintal	1.40	250.00	350.00
2268	Carriage of Marble dust and marble chips	cum	0.082	163.93	13.44
0367	Portland Cement	tonne	0.0578	5000.00	289.00
2209	Carriage of Cement	tonne	0.0578	145.72	8.42
0784	Marble dust/ powder LABOUR	cum	0.012	1130.00	13.56
0124	Mason (brick layer) 2nd class	day	1.79	714.00	1278.06
0114	Beldar	day	1.99	645.00	1283.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	1.04	714.00	742.56
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	784.00	23.52
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.00	300.00	300.00
9999	Sundries	L.S.	134.55	2.12	285.25
	TOTAL				6567.29 W
	Add 1 % Water charges on "W"				65.02
	TOTAL				6567.29 X
	Add GST on "X" (multiplying factor 0.1405)				922.70
	TOTAL				7490.00 Y
	Add 15% CPOH on "Y"				1123.50
	TOTAL				8613.50 Z
	Add Cess @ 1% on "Z"				86.13
	Cost of 10 sqm				8699.63
	Cost of 1 sqm				869.96
	Say				869.95

11.11 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 12 mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7 mm to 10 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume, including cement slurry etc. complete :

11.11.1 Dark shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0296	Details of cost for 10 sqm MATERIAL For under layer 28 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.19	1350.00	256.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.06	1350.00	81.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.25	163.93	40.98
0982	Coarse sand (zone III)	cum	0.125	1500.00	187.50
2203	Carriage of Coarse sand	cum	0.125	163.93	20.49
0367	Portland Cement	tonne	0.0897	5000.00	448.50
2209	Carriage of Cement	tonne	0.1097	145.72	15.99
0788	For top layer 12mm thick Marble chips large size above 4 mm White & black	quintal	1.734	250.00	433.50
2268	Carriage of Marble dust and marble chips	cum	0.102	163.93	16.72
0367	Portland Cement	tonne	0.081	5000.00	405.00
2209	Carriage of Cement	tonne	0.081	145.72	11.80
0784	Marble dust/ powder	cum	0.017	1130.00	19.21

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0874	Black colour dark shade pigment @ 3.5kg/50kg of cement = $81 \times 3.5 / 50 = 5.67\text{kg}$	kilogram	5.67	70.00	396.90
9977	Carriage of pigment and marble powder etc. LABOUR	L.S.	6.24	2.12	13.23
0124	Mason (brick layer) 2nd class	day	1.79	714.00	1278.06
0114	Beldar	day	1.99	645.00	1283.55
0101	Bhisti	day	1.04	714.00	742.56
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	784.00	23.52
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.00	300.00	300.00
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	156.13	2.12	7044.04 W 70.44 7114.45 X 999.58 8114.03 Y 1217.10 9331.13 Z 93.31 9424.44 942.44 942.45

11.11.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.11.1	Details of cost for 10 sqm Rate as per Item Number 11.11.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment	sqm	10.00	942.45	9424.50 A
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct	kilogram	5.67	60.00	340.20
0874	Black colour dark shade pigment Add Difference of cost due to using white cement instead of grey cement Add for White Cement Deduct for	kilogram	-5.67	70.00	-396.90
0368		tonne	0.081	11200.00	907.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	tonne	-0.081	5000.00	-405.00 9870.00 W 4.46 9874.46 X 63.22 9937.67 Y 76.98 10014.65 Z 5.90 10020.55 1002.06 1002.05

11.11.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.11.1	Details of cost for 10 sqm Rate as per Item Number 11.11.1 of SH: Flooring Add difference of cost due to using Medium shade pigment instead of dark shade pigment Add for	sqm	10.00	942.45	9424.50 A
0876	Green or blue medium shade pigment Deduct for	kilogram	5.67	56.00	317.52
0874	Black colour dark shade pigment Add Difference of cost due to using white cement instead of grey cement Add for	kilogram	-5.67	70.00	-396.90
0368	White Cement Deduct for	tonne	0.0405	11200.00	453.60
0367	Portland Cement TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	tonne	-0.0405	5000.00	-202.50 9596.22 W 1.72 9597.95 X 24.37 9622.31 Y 29.67 9651.98 Z 2.27 9654.25 965.43 965.45

11.11.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL				
0296	For under layer 28 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.19	1350.00	256.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.06	1350.00	81.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.25	163.93	40.98
0982	Coarse sand (zone III)	cum	0.125	1500.00	187.50
2203	Carriage of Coarse sand	cum	0.125	163.93	20.49
0367	Portland Cement	tonne	0.0897	5000.00	448.50
2209	Carriage of Cement	tonne	0.1097	145.72	15.99
	For Top layer 12 mm thick				
0788	Marble chips large size above 4 mm White & black	quintal	1.734	250.00	433.50
2268	Carriage of Marble dust and marble chips	cum	0.102	163.93	16.72
0368	White Cement	tonne	0.081	11200.00	907.20
2209	Carriage of Cement	tonne	0.081	145.72	11.80
0784	Marble dust/ powder	cum	0.017	1130.00	19.21
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	714.00	1278.06
0114	Beldar	day	1.99	645.00	1283.55
0101	Bhisti	day	1.04	714.00	742.56
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	784.00	23.52
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.00	300.00	300.00
9999	Sundries	L.S.	156.13	2.12	331.00
	TOTAL				7136.08 W
	Add 1 % Water charges on "W"				71.36
	TOTAL				7207.44 X
	Add GST on "X" (multiplying factor 0.1405)				1012.65
	TOTAL				8220.09 Y
	Add 15% CPOH on "Y"				1233.01
	TOTAL				9453.10 Z
	Add Cess @ 1% on "Z"				94.53
	Cost of 10 sqm.				9547.63
	Cost of 1 sqm.				954.76
	Say				954.75

11.11.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.11.1	Details of cost for 10 sqm Rate as per Item Number 11.11.1 of SH:Flooring Add difference of cost due to using Light shade pigment instead of dark shade pigment Add for	sqm	10.00	942.45	9424.50 A
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	5.67	60.00	340.20
0874	Black colour dark shade pigment TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	kilogram	-5.67	70.00	-396.90 9367.80 W -0.57 9367.23 X -8.05 9359.19 Y -9.80 9348.64 Z -0.75 9348.65 934.86 934.85

11.11.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0296	Details of cost for 10 sqm MATERIAL For under layer 28 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.19	1350.00	256.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.06	1350.00	81.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.25	163.93	40.98
0982	Coarse sand (zone III)	cum	0.125	1500.00	187.50
2203	Carriage of Coarse sand	cum	0.125	163.93	20.49
0367	Portland Cement	tonne	0.0897	5000.00	448.50
2209	Carriage of Cement	tonne	0.1097	145.72	15.99
0788	For Top layer 12mm thick Marble chips large size above 4 mm White & black	quintal	1.734	250.00	433.50
2268	Carriage of Marble dust and marble chips	cum	0.102	163.93	16.72
0367	Portland Cement	tonne	0.081	5000.00	405.00
2209	Carriage of Cement	tonne	0.081	145.72	11.80
0784	Marble dust/ powder LABOUR	cum	0.017	1130.00	19.21
0124	Mason (brick layer) 2nd class	day	1.79	714.00	1278.06
0114	Beldar	day	1.99	645.00	1283.55
0101	Bhisti	day	1.04	714.00	742.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	784.00	23.52
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.00	300.00	300.00
9999	Sundries	L.S.	156.13	2.12	331.00
	TOTAL				6633.88 W
	Add 1 % Water charges on "W"				66.35
	TOTAL				6700.22 X
	Add GST on "X" (multiplying factor 0.1405)				941.38
	TOTAL				7641.60 Y
	Add 15% CPOH on "Y"				1146.24
	TOTAL				8787.84 Z
	Add Cess @ 1% on "Z"				87.88
	Cost of 10 sqm.				8875.72
	Cost of 1 sqm.				887.57
	Say				887.55

11.12 **Marble chips skirting up to 30 cm height, rubbed and polished to granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume :**

11.12.1 **18 mm thick with under layer 12 mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) :**

11.12.1.1 **Dark shade pigment with ordinary cement**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Details of cost for 10 sqm MATERIAL For under layer of 12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) = 0.144 + Extra for rounding = 0.03 =0.174 Rate as per Item Number 3.8 of SH: Mortars Top layer 6mm thick	cum	0.174	5024.15	874.20
0785	Marble chips upto 4mm and downsize White & black	quintal	0.872	189.00	164.81
2268	Carriage of Marble dust and marble chips	cum	0.051	163.93	8.36
0367	Portland Cement	tonne	0.0405	5000.00	202.50
2209	Carriage of Cement	tonne	0.0405	145.72	5.90
0784	Marble dust/ powder	cum	0.007	1130.00	7.91
0874	Black colour dark shade pigment @ 3.5kg/50kg of cement =40.5x3.5/50=2.84kg	kilogram	2.84	70.00	198.80
9977	Carriage of pigment & marble powder etc. LABOUR	L.S.	3.64	2.12	7.72
0124	Mason (brick layer) 2nd class	day	3.00	714.00	2142.00
0114	Beldar	day	3.00	645.00	1935.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	1.00	714.00	714.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.00	714.00	4998.00
9999	Sundries	L.S.	201.89	2.12	428.01
	TOTAL				11687.21 W
	Add 1 % Water charges on "W"				116.87
	TOTAL				11804.08 X
	Add GST on "X" (multiplying factor 0.1405)				1658.47
	TOTAL				13462.55 Y
	Add 15% CPOH on "Y"				2019.38
	TOTAL				15481.93 Z
	Add Cess @ 1% on "Z"				154.82
	Cost of 10 sqm.				15636.75
	Cost of 1 sqm.				1563.68
	Say				1563.70

11.12.1.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	1563.70	15637.00 A
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	2.84	60.00	170.40
0874	Black colour dark shade pigment Add Difference of cost due to using white cement instead of grey cement Add for	kilogram	-2.84	70.00	-198.80
0368	White Cement Deduct for	tonne	0.0405	11200.00	453.60
0367	Portland Cement TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	tonne	-0.0405	5000.00	-202.50 15859.70 W 2.23 15861.93 X 31.60 15893.53 Y 38.48 15932.01 Z 2.95 15934.96 1593.50 1593.50

11.12.1.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH:Flooring Add difference of cost due to using medium shade pigment instead of dark shade pigment Add for	sqm	10.00	1563.70	15637.00 A
0876	Green or blue medium shade pigment Deduct for	kilogram	2.84	56.00	159.04
0874	Black colour dark shade pigment Add Difference of cost due to using white cement instead of grey cement Add for	kilogram	-2.84	70.00	-198.80
0368	White Cement Deduct for	tonne	0.0203	11200.00	227.36
0367	Portland Cement TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	tonne	-0.0203	5000.00	-101.50 15723.10 W 0.86 15723.96 X 12.22 15736.18 Y 14.88 15751.06 Z 1.14 15752.20 1575.22 1575.20

11.12.1.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Details of cost for 10 sqm MATERIAL For under layer of 12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) = 0.144+ Extra for rounding = 0.03 Total =0.174 Rate as per Item Number 3.8 of SH: Mortars	cum	0.174	5024.15	874.20
0785	Top layer 6mm thick Marble chips upto 4mm and downsize White & black	quintal	0.872	189.00	164.81
2268	Carriage of Marble dust and marble chips	cum	0.051	163.93	8.36
0368	White Cement	tonne	0.0405	11200.00	453.60
2209	Carriage of Cement	tonne	0.0405	145.72	5.90
0784	Marble dust/ powder	cum	0.007	1130.00	7.91

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	LABOUR				
0114	Mason (brick layer) 2nd class	day	3.00	714.00	2142.00
0101	Beldar	day	3.00	645.00	1935.00
0139	Bhisti	day	1.00	714.00	714.00
9999	Skilled Beldar (for floor rubbing etc.)	day	7.00	714.00	4998.00
	Sundries	L.S.	201.89	2.12	428.01
	TOTAL				11731.79 W
	Add 1 % Water charges on "W"				117.32
	TOTAL				11849.11 X
	Add GST on "X" (multiplying factor 0.1405)				1664.80
	TOTAL				13513.91 Y
	Add 15% CPOH on "Y"				2027.09
	TOTAL				15540.99 Z
	Add Cess @ 1% on "Z"				155.41
	Cost of 10 sqm.				15696.40
	Cost of 1 sqm.				1569.64
	Say				1569.65

11.12.1.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH: Flooring Add difference of cost due to using Light shade pigment instead of dark shade pigment Add for	sqm	10.00	1563.70	15637.00 A
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	2.84	60.00	170.40
0874	Black colour dark shade pigment TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	kilogram	-2.84	70.00	-198.80 15608.60 W -0.28 15608.32 X -4.03 15604.29 Y -4.91 15599.38 Z -0.38 15599.00 1559.90 1559.90

11.12.1.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH: Flooring	sqm	10.00	1563.70	15637.00 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0874	Less cost of dark shade pigment				
9999	Deduct for				
	Black colour dark shade pigment				-198.80
	Deduct for Carriage of pigment				-7.72
	TOTAL				15430.48 W
	Add 1 % Water charges on "W-A"				-2.07
	TOTAL				15428.42 X
	Add GST on "X-A" (multiplying factor 0.1405)				-29.31
	TOTAL				15399.11 Y
	Add 15% CPOH on "Y-A"				-35.68
	TOTAL				15363.43 Z
	Add Cess @ 1% on "Z-A"				-2.74
	Cost of 10 sqm.				15360.69
	Cost of 1 sqm.				1536.07
	Say				1536.05

11.13 Providing and fixing glass strips in joints of terrazo/ cement concrete floors.

11.13.1 40 mm wide and 4 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metre length				
	MATERIAL				
	Glass strips = 10m				
	Add 10% for wastage = 1m				
	Total = 11m				
1149	Glass strip 4 mm thick40 mm deep	metre	11.00	20.00	220.00
9977	Carriage of glass	L.S.	2.73	2.12	5.79
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.25	714.00	178.50
0114	Beldar	day	0.25	645.00	161.25
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				594.20 W
	Add 1 % Water charges on "W"				5.94
	TOTAL				600.14 X
	Add GST on "X" (multiplying factor 0.1405)				84.32
	TOTAL				684.46 Y
	Add 15% CPOH on "Y"				102.67
	TOTAL				787.13 Z
	Add Cess @ 1% on "Z"				7.87
	Cost of 10 metre				795.00
	Cost of 1 metre				79.50
	Say				79.50

11.14 Extra for laying terrazo flooring on staircase treads not exceeding 30 cm in width, including cost of forming, nosing etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. LABOUR				
0124	Mason (brick layer) 2nd class	day	0.30	714.00	214.20
0114	Beldar	day	0.30	645.00	193.50
0115	Coolie	day	0.30	645.00	193.50
	TOTAL				601.20 W
	Add 1 % Water charges on "W"				6.01
	TOTAL				607.21 X
	Add GST on "X" (multiplying factor 0.1405)				85.31
	TOTAL				692.53 Y
	Add 15% CPOH on "Y"				103.88
	TOTAL				796.40 Z
	Add Cess @ 1% on "Z"				7.96
	Cost of 10 Sqm.				804.37
	Cost of 1sqm.				80.44
	Say				80.45

11.15 Crazy marble stone flooring, including filling the gaps with light shade pigment with white cement marble powder mixture (3 parts of white cement : 1 part of marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 white, black or white and black marble chips of sizes from 1 mm to 4 mm nominal size by volume), with under layer 25 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size), including rubbing, polishing and cement slurry etc. complete :

11.15.1 18 mm thick crazy marble stone white, black or as specified

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. Under layer 25mm thick of cement Concrete 1:2:4 -10x0.025=0.25 cum				
11.7	Rate as per Item Number 11.7 of SH: Flooring Cement slurry for subgrade and under large cement	cum	0.25	7958.65	1989.66 A
0367	Portland Cement	tonne	0.04	5000.00	200.00
2209	Carriage of Cement	tonne	0.04	145.72	5.83
	Labour for applying cement slurry				
	LABOUR				
0114	Beldar	day	0.50	645.00	322.50
	Top layer with marble pieces and gap filling with marble powder mixture				
	Marble pieces for crazy flooring (Assume 70% of marble stone are and 30% of joint filer/mixture 7sqmx0.02m = 0.14 cum 0.872x0.14/0.051 = 2.40q				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2710	White marble makrana second quality plain veined stone pieces for crazy flooring	quintal	2.40	160.00	384.00
0368	White Cement	tonne	0.0405	11200.00	453.60
0784	Marble dust/ powder	cum	0.007	1130.00	7.91
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment @ 3.5kg/50kg of cement = 40.5x3.5/50=2.84kg	kilogram	2.84	60.00	170.40
0785	Marble chips upto 4mm and downsize White & black	quintal	0.872	189.00	164.81
2268	Carriage of Marble dust and marble chips	cum	0.051	163.93	8.36
2209	Carriage of Cement	tonne	0.0405	145.72	5.90
9977	Carriage of pigment & marble powder	L.S.	3.64	2.12	7.72
2216	Carriage of Stone blocks white & red sand stone & kota stone slab Labour for finishing, polishing and fixing-	tonne	0.24	145.72	34.97
0123	Mason (brick layer) 1st class	day	1.20	784.00	940.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	714.00	3570.00
9999	Sundries including carborandum etc.	L.S.	134.55	2.12	285.25
0101	Bhisti	day	0.54	714.00	385.56
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
	TOTAL				11427.27 W
	Add 1 % Water charges on "W-A"				94.38
	TOTAL				11521.64 X
	Add GST on "X-A" (multiplying factor 0.1405)				1339.24
	TOTAL				12860.89 Y
	Add 15% CPOH on "Y-A"				1630.68
	TOTAL				14491.57 Z
	Add Cess @ 1% on "Z-A"				125.02
	Cost of 10 Sqm.				14616.59
	Cost of 1sqm.				1461.66
	Say				1461.65

11.16 Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm, laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement:4 coarse sand) :

11.16.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1201	Details of cost for 10 sqm. MATERIAL Precast terrazo tiles 22 mm thick (light shade) including 10% wastage	sqm	11.00	285.00	3135.00
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	40.43	2.12	85.71

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of				
0367	SH: Mortars	cum	0.224	4355.20	975.56
	Portland Cement	tonne	0.044	5000.00	220.00
0368	Grey cement for slurry @ 4.4kg/sqm.	tonne	0.044	11200.00	492.80
2209	White Cement	tonne	0.088	145.72	12.82
0875	for grouting	kilogram	3.08	60.00	184.80
	Carriage of Cement				
	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment				
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0101	Bhisti	day	1.00	714.00	714.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including pigment wherever required and carborandum stone etc.	L.S.	161.98	2.12	343.40
	TOTAL				9790.50 W
	Add 1 % Water charges on "W"				97.90
	TOTAL				9888.40 X
	Add GST on "X" (multiplying factor 0.1405)				1389.32
	TOTAL				11277.72 Y
	Add 15% CPOH on "Y"				1691.66
	TOTAL				12969.38 Z
	Add Cess @ 1% on "Z"				129.69
	Cost of 10 sqm.				13099.08
	Cost of 1 sqm.				1309.91
	Say				1309.90

11.16.2 Medium shade pigment using 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1202	Details of cost for 10 sqm. MATERIAL				
9977	Precast terrazo tiles 22 mm thick (medium shade) including 10% wastage	sqm	11.00	265.00	2915.00
	Carriage of tiles	L.S.	40.43	2.12	85.71
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
	Rate as per Item Number 3.9 of				
	SH: Mortars	cum	0.224	4355.20	975.56
	Grey cement				
	(i) for slurry @ 4.4kg/sqm =44 kg.+				
	(ii) 50% for grouting = 22kg.				
	Total =66kg or 0.066 tonne				
0367	Portland Cement	tonne	0.066	5000.00	330.00
0368	50% white cement for grouting	tonne	0.022	11200.00	246.40
2209	White Cement	tonne	0.088	92.24	8.12
0876	Carriage of Cement	kilogram	3.08	56.00	172.48
	Green or blue medium shade pigment				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0101	Bhisti	day	1.00	714.00	714.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including pigment wherever required and carborandum stone etc.	L.S.	161.98	2.12	343.40 9417.07 W 94.17 9511.24 X
	TOTAL				1336.33
	Add 1 % Water charges on "W"				10847.57 Y
	TOTAL				1627.14
	Add GST on "X" (multiplying factor 0.1405)				12474.71 Z
	TOTAL				124.75
	Add 15% CPOH on "Y"				12599.45
	TOTAL				1259.95
	Add Cess @ 1% on "Z"				1259.95
	Cost of 10 sqm.				
	Cost of 1 sqm.				
	Say				

11.16.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL				
1203	Precast terrazo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	245.00	2695.00
9977	Carriage of tiles	L.S.	40.43	2.12	85.71
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4355.20	975.56
	Ordinary cement for				
	(i) Cement slurry @ 4.4kg/sqm = 44kg+ (ii) Grouting = 44 kg.				
	Total = 88kg or 0.088 tonne				
0367	Portland Cement	tonne	0.088	5000.00	440.00
2209	Carriage of Cement	tonne	0.088	145.72	12.82
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0101	Bhisti	day	1.00	714.00	714.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries including pigment wherever required and carborandum stone etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	161.98	2.12	343.40 9108.50 W 91.08 9199.58 X 1292.54 10492.12 Y 1573.82 12065.94 Z 120.66 12186.60 1218.66 1218.65

11.16.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1203	Details of cost for 10 sqm. MATERIAL Precast terrazo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	245.00	2695.00
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	40.43	2.12	85.71
3.9	Rate as per Item Number 3.9 of SH: Mortars Ordinary cement for (i) Cement slurry @ 4.4kg/sqm = 44kg+ (ii) Grouting = 44 kg. Total = 88kg or 0.088 tonne	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.088	5000.00	440.00
2209	Carriage of Cement	tonne	0.088	145.72	12.82
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60
0124	LABOUR Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0101	Bhisti	day	1.00	714.00	714.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including carborandum stone etc. Less for dark pigment [3.08+2.64 =5.92 (for tiles)]	L.S.	161.98	2.12	343.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0874	Sundries including pigment wherever required and carborandum stone etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	kilogram	-5.92	70.00	-414.40 8694.10 W 86.94 8781.04 X 1233.74 10014.77 Y 1502.22 11516.99 Z 115.17 11632.16 1163.22 1163.20

11.17 Extra if terrazo tiles are laid in treads of steps not exceeding 30 cm in width.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	Details of cost for 10 sqm. LABOUR Mason (brick layer) 2nd class	day	0.22	714.00	157.08
0115	Coolie	day	0.22	645.00	141.90
0139	Skilled Beldar (for floor rubbing etc.) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	day	0.65	714.00	464.10 763.08 W 7.63 770.71 X 108.28 879.00 Y 131.85 1010.85 Z 10.11 1020.95 102.10 102.10

11.18 Precast terrazo tiles 22 mm thick with graded marble chips of sizes upto 12 mm, in skirting and risers of steps not exceeding 30 cm in height, on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand), jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of :

11.18.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1201	Details of cost for 10 sqm. MATERIAL Precast terrazo tiles 22 mm thick (light shade) including 10% wastage	sqm	11.00	285.00	3135.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of tiles	L.S.	40.43	2.12	85.71
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand)				
0368	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	5024.15	723.48
	White Cement	tonne	0.066	11200.00	739.20
	For slurry				
	For buttering tiles bed sides =44 kg. +				
	For grouting =22 kg.				
	Total = 66 kg				
2209	Carriage of Cement	tonne	0.066	145.72	9.62
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment 66x3.5/50 = 4.62	kilogram	4.62	60.00	277.20
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	714.00	2320.50
0115	Coolie	day	3.25	645.00	2096.25
0139	Skilled Beldar (for floor rubbing etc.)	day	7.6	714.00	5426.40
9999	Sundries including pigment wherever required, carborandum stone and polishing powder etc.	L.S.	161.46	2.12	342.30
	TOTAL				15155.65 W
	Add 1 % Water charges on "W"				151.56
	TOTAL				15307.21 X
	Add GST on "X" (multiplying factor 0.1405)				2150.66
	TOTAL				17457.87 Y
	Add 15% CPOH on "Y"				2618.68
	TOTAL				20076.55 Z
	Add Cess @ 1% on "Z"				200.77
	Cost of 10 sqm.				20277.32
	Cost of 1 sqm.				2027.73
	Say				2027.75

11.18.2 Medium shades pigment using 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1202	Details of cost for 10 sqm. MATERIAL Precast terrazo tiles 22 mm thick (medium shade) including wastage & breakage				
9977	Carriage of tiles	sqm	11.00	265.00	2915.00
	Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	40.43	2.12	85.71
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	5024.15	723.48
	50% white cement for slurry				
0368	White Cement	tonne	0.033	11200.00	369.60
0367	Portland Cement	tonne	0.033	5000.00	165.00
2209	Carriage of Cement	tonne	0.066	145.72	9.62
0876	Green or blue medium shade pigment	kilogram	4.62	56.00	258.72
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	714.00	2320.50
0115	Coolie	day	3.25	645.00	2096.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0139 9999	Skilled Beldar (for floor rubbing etc.) Sundries including pigment wherever required, carborandum stone and polishing powder etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	day L.S.	7.60 161.46	714.00 2.12	5426.40 342.30 14712.57 W 147.13 14859.70 X 2087.79 16947.49 Y 2542.12 19489.61 Z 194.90 19684.50 1968.45 1968.45

11.18.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1203 9977 3.8 0367 2209 0874 0124 0115 0139 9999	Details of cost for 10 sqm. MATERIAL Precast terrazo tiles 22 mm thick (dark shade) including wastage & breakage Carriage of tiles Cement mortar 1:3 (1 cement : 3 coarse sand) Rate as per Item Number 3.8 of SH: Mortars Grey cement for slurry Portland Cement Carriage of Cement Black colour dark shade pigment LABOUR Mason (brick layer) 2nd class Coolie Skilled Beldar (for floor rubbing etc.) Sundries including pigment wherever required, carborandum stone and polishing powder etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	sqm L.S. cum tonne tonne kilogram day day day L.S.	11.00 40.43 0.144 0.066 0.066 4.62 3.25 3.25 7.60 161.46	245.00 2.12 5024.15 5000.00 145.72 70.00 714.00 645.00 714.00 2.12	2695.00 85.71 723.48 330.00 9.62 323.40 2320.50 2096.25 5426.40 342.30 14352.65 W 143.53 14496.18 X 2036.71 16532.89 Y 2479.93 19012.83 Z 190.13 19202.95 1920.30 1920.30

11.18.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1203	Details of cost for 10 sqm. MATERIAL Precast terrazo tiles 22 mm thick (dark shade) including wastage & breakage	sqm	11.00	245.00	2695.00
9977	Carriage of tiles Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	40.43	2.12	85.71
3.8	Rate as per Item Number 3.8 of SH: Mortars Grey cement for sturry	cum	0.144	5024.15	723.48
0367	Portland Cement	tonne	0.066	5000.00	330.00
2209	Carriage of Cement	tonne	0.066	145.72	9.62
0874	Black colour dark shade pigment	kilogram	4.62	70.00	323.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	714.00	2320.50
0115	Coolie	day	3.25	645.00	2096.25
0139	Skilled Beldar (for floor rubbing etc.)	day	7.60	714.00	5426.40
9999	Sundries including pigment wherever required, carborandum stone and polishing powder etc. Less for dark shade pigment [4.62+2.84 (for tiles)]	L.S.	161.46	2.12	342.30
0874	Black colour dark shade pigment	kilogram	-7.46	70.00	-522.20
	TOTAL				13830.45 W
	Add 1 % Water charges on "W"				138.30
	TOTAL				13968.76 X
	Add GST on "X" (multiplying factor 0.1405)				1962.61
	TOTAL				15931.37 Y
	Add 15% CPOH on "Y"				2389.71
	TOTAL				18321.07 Z
	Add Cess @ 1% on "Z"				183.21
	Cost of 10 sqm.				18504.28
	Cost of 1 sqm.				1850.43
	Say				1850.45

11.19 Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :

11.19.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1227	Details of cost for 10 sqm. MATERIAL Chequered terrazo tiles 22 mm thick (light shade) including 10% wastage	sqm	11.00	275.00	3025.00
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	40.43	2.12	85.71

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4355.20	975.56
0367	Grey cement for slurry @ 4.4kg/sqm	tonne	0.044	5000.00	220.00
	Portland Cement				
0368	White cement for grouting	tonne	0.044	11200.00	492.80
2209	White Cement	tonne	0.088	145.72	12.82
0875	Carriage of Cement				
	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	60.00	184.80
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0101	Bhisti	day	1.00	714.00	714.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including pigment wherever required and carborandum stone etc.	L.S.	161.98	2.12	343.40
	TOTAL				9680.50 W
	Add 1 % Water charges on "W"				96.80
	TOTAL				9777.30 X
	Add GST on "X" (multiplying factor 0.1405)				1373.71
	TOTAL				11151.01 Y
	Add 15% CPOH on "Y"				1672.65
	TOTAL				12823.67 Z
	Add Cess @ 1% on "Z"				128.24
	Cost of 10 sqm.				12951.90
	Cost of 1 sqm.				1295.19
	Say				1295.20

11.19.2 Medium shade pigment using 50% white cement, 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1228	Details of cost for 10 sqm. MATERIAL Chequered terrazo tiles 22 mm thick (medium shade) including 10% wastage	sqm	11.00	300.00	3300.00
9977	Carriage of tiles	L.S.	40.43	2.12	85.71
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4355.20	975.56
	Grey cement (i) for slurry @ 4.4kg/sqm =44 kg.+ (ii) 50% for grouting = 22kg. Total =66kg or 0.066 tonne				
0367	Portland Cement	tonne	0.066	5000.00	330.00
0368	50% white cement for grouting	tonne	0.022	11200.00	246.40
2209	White Cement	tonne	0.088	145.72	12.82
	Carriage of Cement				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0876	Green or blue medium shade pigment	kilogram	3.08	56.00	172.48
	Labour and sundries				
0124	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0101	Bhisti	day	1.00	714.00	714.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including pigment wherever required and carborandum stone etc.	L.S.	161.98	2.12	343.40 9806.78 W 98.07 9904.85 X
	TOTAL				1391.63
	Add 1 % Water charges on "W"				11296.48 Y
	TOTAL				1694.47
	Add GST on "X" (multiplying factor 0.1405)				12990.95 Z
	TOTAL				129.91
	Add 15% CPOH on "Y"				13120.86
	TOTAL				1312.09
	Add Cess @ 1% on "Z"				1312.10
	Cost of 10 sqm.				
	Cost of 1 sqm.				
	Say				

11.19.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1229	Details of cost for 10 sqm. MATERIAL Chequered terrazo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	260.00	2860.00
9977	Carriage of tiles	L.S.	40.43	2.12	85.71
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Ordinary cement for (i) Cement slurry @ 4.4kg/sqm = 44kg+ (ii) Grouting = 44 kg. Total = 88kg or 0.088 tonne	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.088	5000.00	440.00
2209	Carriage of Cement	tonne	0.088	145.72	12.82
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60
	Labour & sundries				
0124	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0101	Bhisti	day	1.00	714.00	714.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries including pigment wherever required and carborandum stone etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	161.98	2.12	343.40 9273.50 W 92.73 9366.23 X 1315.96 10682.19 Y 1602.33 12284.52 Z 122.85 12407.36 1240.74 1240.75

11.19.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1229	Details of cost for 10 sqm. MATERIAL Chequered terrazo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	260.00	2860.00
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	40.43	2.12	85.71
3.9	Rate as per Item Number 3.9 of SH: Mortars Ordinary cement for (i) Cement slurry @ 4.4kg/sqm = 44kg+ (ii) Grouting = 44 kg. Total = 88kg or 0.088 tonne	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.088	5000.00	440.00
2209	Carriage of Cement	tonne	0.088	145.72	12.82
0874	Black colour dark shade pigment Labour & sundries	kilogram	3.08	70.00	215.60
0124	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0101	Bhisti	day	1.00	714.00	714.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including pigment wherever required and carborandum stone etc. Less for dark shade pigment [3.08+2.84(for tiles)]	L.S.	161.98	2.12	343.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0874	Black colour dark shade pigment TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	kilogram	-5.92	70.00	-414.40 8859.10 W 88.59 8947.69 X 1257.15 10204.84 Y 1530.73 11735.56 Z 117.36 11852.92 1185.29 1185.30

11.20 Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).

11.20.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7070	Details of cost for 10 sqm. MATERIAL Chequered precast cement concrete tiles 22mm thick using marble chips of size 6mm - Light shade using white cement including 10% wastage	sqm	11.00	370.00	4070.00
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	40.43	2.12	85.71
3.9	Rate as per Item Number 3.9 of SH: Mortars Grey cement slury @ 4.4kg @sqm	cum	0.22	4355.20	958.14
0367	Portland Cement White cement for grouting	tonne	0.044	5000.00	220.00
0368	White Cement	tonne	0.048	11200.00	537.60
2209	Carriage of Cement	tonne	0.092	145.72	13.41
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment LABOUR	kilogram	3.08	60.00	184.80
0124	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0101	Bhisti TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	day	1.00	714.00 9216.06 W 92.16 9308.22 X 1307.81 10616.03 Y 1592.40 12208.43 Z 122.08 12330.52 1233.05 1233.05	714.00 9216.06 W 92.16 9308.22 X 1307.81 10616.03 Y 1592.40 12208.43 Z 122.08 12330.52 1233.05 1233.05

11.20.2 Medium shade pigment using 50% white cement 50% Grey cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7237	Details of cost for 10 sqm. MATERIAL Precast chequered cement tiles 22 mm thick medium shade using 50% white cement, 50% ordinary cement including 10% wastage				
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm L.S.	11.00 40.43	335.00 2.12	3685.00 85.71
3.9	Rate as per Item Number 3.9 of SH: Mortars Grey cement for slurry @ 4.4kg/sqm. = 44 kg.+ grey cement for grouting 2.4kg/sqm. = 24kg. Total = 68 kg	cum	0.22	4355.20	958.14
0367	Portland Cement White cement for grouting @ 2.4kg/sqm. = 24 kg	tonne	0.068	5000.00	340.00
0368	White Cement	tonne	0.024	11200.00	268.80
2209	Carriage of Cement	tonne	0.092	145.72	13.41
0876	Green or blue medium shade pigment LABOUR	kilogram	3.08	56.00	172.48
0124	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0101	Bhisti	day	1.00	714.00	714.00
	TOTAL Add 1 % Water charges on "W"				8669.94 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				1230.31 Y
	TOTAL Add 15% CPOH on "Y"				9986.95 Y
	TOTAL Add Cess @ 1% on "Z"				1498.04 Z
	Cost of 10 sqm.				114.85
	Cost of 1 sqm.				11599.84
	Say				1159.98
					1160.00

11.20.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7236	Details of cost for 10 sqm. MATERIAL Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement including 10% wastage				
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm L.S.	11.00 40.43	225.00 2.12	2475.00 85.71

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars Grey cement for slurry @ 4.4kg/sqm. = 44 kg.+ For grouting = 48 kg. Total=92 kg. say 0.092 tonne	cum	0.22	4355.20	958.14
0367	Portland Cement	tonne	0.092	5000.00	460.00
2209	Carriage of Cement	tonne	0.092	145.72	13.41
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60
0124	LABOUR				
0115	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0101	Coolie	day	2.00	645.00	1290.00
	Bhisti	day	1.00	714.00	714.00
	TOTAL				7354.26 W
	Add 1 % Water charges on "W"				73.54
	TOTAL				7427.80 X
	Add GST on "X" (multiplying factor 0.1405)				1043.61
	TOTAL				8471.41 Y
	Add 15% CPOH on "Y"				1270.71
	TOTAL				9742.12 Z
	Add Cess @ 1% on "Z"				97.42
	Cost of 10 sqm.				9839.54
	Cost of 1 sqm.				983.95
	Say				983.95

11.20.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7236	Details of cost for 10 sqm. MATERIAL Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement including 10% wastage	sqm	11.00	225.00	2475.00
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	40.43	2.12	85.71
3.9	Rate as per Item Number 3.9 of SH: Mortars Grey cement for slurry @ 4.4kg/sqm. = 44 kg + For grouting = 48 kg. Total = 92 kg. Say 0.092 tonne	cum	0.22	4355.20	958.14
0367	Portland Cement	tonne	0.092	5000.00	460.00
2209	Carriage of Cement	tonne	0.092	145.72	13.41
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60
0124	LABOUR				
0115	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0101	Coolie	day	2.00	645.00	1290.00
	Bhisti	day	1.00	714.00	714.00
	Less for dark shade pigment [3.08+2.84 (for tiles)]				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0874	Black colour dark shade pigment TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	kilogram	-5.92	70.00	-414.40 6939.86 W 69.40 7009.26 X 984.80 7994.06 Y 1199.11 9193.17 Z 91.93 9285.10 928.51 928.50

11.21 Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge.

11.21.1 In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)

11.21.1.1 Acid and alkali resistant tile

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7077	Details of cost for 1 sqm. MATERIAL Acid proof tiles of size 300x300mm, 10mm thick = 11.11nos+ Add wastage and breakage @ 2.5% = 0.28 nos. Total = 11.39 nos. Say 12 nos. Acid and alkali resistant tiles 300x300 mm size, 10 mm thick Carriage				
9977	10mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	10 Nos L.S.	1.20 6.24	500.00 2.12	600.00 13.23
3.9	Mortar for pointing in acid/alkali resistant cement Cement for slurry over bed @ 3.3kg per sqm	cum	0.012	4355.20	52.26
9999	Portland Cement Difference of cost for using acid proof cement instead of ordinary cement Add	L.S.	40.43	2.12	85.71
0367	Acid Proof cement Deduct Portland Cement	tonne	0.0033	5000.00	16.50
7024		tonne	0.0079	7800.00	61.62
0367		tonne	-0.0079	5000.00	-39.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	LABOUR				
0115	Mason (brick layer) 1st class	day	0.20	784.00	156.80
9988	Coolie	day	0.20	645.00	129.00
	Sundries including carriage of cement etc.	L.S.	26.91	2.12	57.05
	TOTAL				1132.67 W
	Add 1 % Water charges on "W"				11.33
	TOTAL				1144.00 X
	Add GST on "X" (multiplying factor 0.1405)				160.73
	TOTAL				1304.73 Y
	Add 15% CPOH on "Y"				195.71
	TOTAL				1500.44 Z
	Add Cess @ 1% on "Z"				15.00
	Cost of 1 sqm.				1515.44
	Say				1515.45

11.21.2 In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)

11.21.2.1 Acid and alkali resistant tile

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7077	Details of cost for 1 sqm. MATERIAL Acid proof tiles of size 300x300mm, 10mm thick = 11.11nos+ Add wastage and breakage @ 2.5% = 0.28 nos. Total = 11.39 nos. Say 12 nos. Acid and alkali resistant tiles 300x300 mm size, 10 mm thick Carriage of tiles 12mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Difference of cost for using acid proof cement instead of ordinary cement Add				
9977	Acid Proof cement	10 Nos L.S.	1.20 6.24	500.00 2.12	600.00 13.23
3.9	Deduct	cum	0.014	4355.20	60.97
7024	Portland Cement	tonne	0.0086	7800.00	67.08
0367	Mortar for pointing in acid proof cement	tonne	-0.0086	5000.00	-43.00
9999	Acid proof cementfor slurry over plaster 3.3kg/sqm	L.S.	40.43	2.12	85.71
7024	Acid Proof cement LABOUR	tonne	0.0033	7800.00	25.74
0123	Mason (brick layer) 1st class	day	0.25	784.00	196.00
0115	Coolie	day	0.25	645.00	161.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage of cement etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	L.S.	26.91	2.12	57.05 1224.03 W 12.24 1236.27 X 173.70 1409.97 Y 211.50 1621.46 Z 16.21 1637.68 1637.70

11.22 Tile work in skirting, risers of steps and dado up to 2 m height over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete.

**11.22.1 Marble tiles (polished) Raj Nagar
11.22.1.1 8 mm thick**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2751	Details of cost for 1 sqm. MATERIAL 8 mm thick marble tiles (polished) Raj Nagar including wastage	sqm	1.061	400.00	424.40
9977	Carriage of tiles 12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	3.90	2.12	8.27
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	5024.15	70.34
9999	Mortar for pointing in white cement Cement for slurry @ 3.3kg/sqm	L.S.	25.35	2.12	53.74
0367	Portland Cement	tonne	0.0033	5000.00	16.50
9999	Pigment	L.S.	2.08	2.12	4.41
0123	LABOUR Mason (brick layer) 1st class	day	0.25	784.00	196.00
0115	Coolie	day	0.25	645.00	161.25
9988	Sundries including carriage of cement etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	L.S.	16.90	2.12	35.83 970.74 W 9.71 980.44 X 137.75 1118.20 Y 167.73 1285.92 Z 12.86 1298.78 1298.80

11.23 **Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with :**

11.23.1 **Makrana white second quality**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6001	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm.				
3.9	White marble slab Makrana second quality plain veined 18 mm thick Base Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Cement for slurry @4.4kg/sqm. (i) for bedding = 44 kg+ (ii) for jointing = 6 kg. Total = 50 kg	sqm	11.50	1450.00	16675.00
0367	Portland Cement	tonne	0.05	5000.00	250.00
9977	Carriage of marble slab	L.S.	26.91	2.12	57.05
0123	LABOUR (for finishing, polishing and fixing)				
0114	Mason (brick layer) 1st class	day	1.20	784.00	940.80
0115	Beldar	day	1.00	645.00	645.00
0139	Coolie	day	1.00	645.00	645.00
0013	Skilled Beldar (for floor rubbing etc.)	day	5.00	714.00	3570.00
9988	Machine for rubbing of floors	day	4.00	300.00	1200.00
	Sundries and carriage of cement etc.	L.S.	134.55	2.12	285.25
	TOTAL				25243.66 W
	Add 1 % Water charges on "W"				252.44
	TOTAL				25496.10 X
	Add GST on "X" (multiplying factor 0.1405)				3582.20
	TOTAL				29078.30 Y
	Add 15% CPOH on "Y"				4361.74
	TOTAL				33440.04 Z
	Add Cess @ 1% on "Z"				334.40
	Cost of 10 sqm.				33774.44
	Cost of 1 sqm.				3377.44
	Say				3377.45

11.23.2 **Raj Nagar plain**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7071	White marble Raj Nagar plain 18 mm thick upto 0.50 sqm area	sqm	11.50	550.00	6325.00
3.9	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Cement for slurry @, 4.4kg sqm. (i) for bedding = 44 kg+ (ii) for jointing = 6 kg. Total = 50 kg	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.05	5000.00	250.00
9977	Carriage of marble slab LABOUR (for finishing, polishing and fixing)	L.S.	26.91	2.12	57.05
0123	Mason (brick layer) 1st class	day	1.20	784.00	940.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	714.00	3570.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.12	285.25
	TOTAL				14893.66 W
	Add 1 % Water charges on "W"				148.94
	TOTAL				15042.60 X
	Add GST on "X" (multiplying factor 0.1405)				2113.48
	TOTAL				17156.08 Y
	Add 15% CPOH on "Y"				2573.41
	TOTAL				19729.49 Z
	Add Cess @ 1% on "Z"				197.29
	Cost of 10 sqm.				19926.79
	Cost of 1 sqm.				1992.68
	Say				1992.70

11.23.3 Agaria White

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7850	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm. Agaria White marble slab plain 18mm thick	sqm	11.50	950.00	10925.00
3.9	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Cement for slurry @ 4.4kg sqm. (i) for bedding = 44 kg+ (ii) for jointing = 6 kg. Total = 50 kg	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.05	5000.00	250.00
9977	Carriage of marble slab	L.S.	26.91	2.12	57.05

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR (for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	784.00	940.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	714.00	3570.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.12	285.25
	TOTAL				19493.66 W
	Add 1 % Water charges on "W"				194.94
	TOTAL				19688.60 X
	Add GST on "X" (multiplying factor 0.1405)				2766.25
	TOTAL				22454.84 Y
	Add 15% CPOH on "Y"				3368.23
	TOTAL				25823.07 Z
	Add Cess @ 1% on "Z"				258.23
	Cost of 10 sqm.				26081.30
	Cost of 1 sqm.				2608.13
	Say				2608.15

11.23.4 Black Zebra

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm.				
6019	Black Zebra marble slab plain 18mm thick	sqm	11.50	1000.00	11500.00
3.9	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Cement for slurry @, 4.4kg sqm. (i) for bedding = 44 kg+ (ii) for jointing = 6 kg. Total = 50 kg	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.05	5000.00	250.00
9977	Carriage of marble slab	L.S.	26.91	2.12	57.05
	LABOUR (for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	784.00	940.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	714.00	3570.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries and carriage of cement etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	134.55	2.12	285.25 20068.66 W 200.69 20269.35 X 2847.84 23117.19 Y 3467.58 26584.77 Z 265.85 26850.62 2685.06 2685.05

11.23.5 Udaipur green marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6010	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm. Udaypur green marble slab plain 18mm thick	sqm	11.50	620.00	7130.00
3.9	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Cement for slurry @ 4.4kg sqm. (i) for bedding = 44 kg+ (ii) for jointing = 6 kg. Total = 50 kg	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.05	5000.00	250.00
9977	Carriage of marble slab LABOUR (for finishing, polishing and fixing)	L.S.	26.91	2.12	57.05
0123	Mason (brick layer) 1st class	day	1.20	784.00	940.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	714.00	3570.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9988	Sundries and carriage of cement etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm. Cost of 1 sqm. Say	L.S.	134.55	2.12 2227.72 18083.36 Y 2712.50 20795.87 Z 207.96 21003.83 2100.38 2100.40	285.25 20068.66 W 200.69 20269.35 X 2847.84 23117.19 Y 3467.58 26584.77 Z 265.85 26850.62 2685.06 2685.05 15698.66 W 156.99 15855.65 X 2227.72 18083.36 Y 2712.50 20795.87 Z 207.96 21003.83 2100.38 2100.40

11.23.6 Pink plain marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm.				
6007	Pink marble slab plain 18mm thick Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	11.50	685.00	7877.50
3.9	Rate as per Item Number 3.9 of SH: Mortars Cement for slurry @ 4.4kg sqm. (i) for bedding = 44 kg+ (ii) for jointing = 6 kg. Total = 50 kg	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.05	5000.00	250.00
9977	Carriage of marble slab	L.S.	26.91	2.12	57.05
	LABOUR				
	(for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	784.00	940.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	714.00	3570.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.12	285.25
	TOTAL				16446.16 W
	Add 1 % Water charges on "W"				164.46
	TOTAL				16610.62 X
	Add GST on "X" (multiplying factor 0.1405)				2333.79
	TOTAL				18944.41 Y
	Add 15% CPOH on "Y"				2841.66
	TOTAL				21786.08 Z
	Add Cess @ 1% on "Z"				217.86
	Cost of 10 sqm.				22003.94
	Cost of 1 sqm.				2200.39
	Say				2200.40

11.24 Extra for pre finished nosing to treads of steps of marble stone.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metre LABOUR				
0126	Mason (for ornamental stone work) 1st class	day	2.00	784.00	1568.00
0114	Beldar	day	1.50	645.00	967.50
0139	Skilled Beldar (for floor rubbing etc.)	day	2.50	714.00	1785.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 metre Cost for 1metre Say	L.S.	53.82	2.12	114.10 4434.60 W 44.35 4478.94 X 629.29 5108.24 Y 766.24 5874.47 Z 58.74 5933.22 593.32 593.30

11.25 Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 metre.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for 10sqm. LABOUR				
0114	Mason (brick layer) 1st class	day	1.95	784.00	1528.80
0115	Beldar	day	1.40	645.00	903.00
0139	Coolie	day	0.75	645.00	483.75
9999	Skilled Beldar (for floor rubbing etc.) Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10sqm. Cost for 1sqm. Say	day L.S.	3.18 26.91	714.00 2.12	2270.52 57.05 5243.12 W 52.43 5295.55 X 744.02 6039.58 Y 905.94 6945.51 Z 69.46 7014.97 701.50 701.50

11.26 Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :

11.26.1 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1168	Details of cost for 10sqm. MATERIAL Kota stone slab 20 mm to 25 mm thick (semi-polished) including 15% wastage	sqm	11.50	320.00	3680.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2216	Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1 : 4 (1 cement : 4 coarse sand)	tonne	0.67	145.72	97.63
3.9	Rate as per Item Number 3.9 of SH: Mortars Cement for slurry-(i) for bedding = 44kg+ (ii) for joints = 20 kg.Total = 64 kg. or 0.064 tonne	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.064	5000.00	320.00
2209	Carriage of Cement	tonne	0.064	145.72	9.33
0874	Black colour dark shade pigment	kilogram	4.50	70.00	315.00
0124	Labour	day	1.20	714.00	856.80
0114	Mason (brick layer) 2nd class	day	1.00	645.00	645.00
0115	Beldar	day	1.00	645.00	645.00
0139	Coolie	day	5.00	714.00	3570.00
0013	Skilled Beldar (for floor rubbing etc.)	day	4.00	300.00	1200.00
9999	Machine for rubbing of floors	day	4.00	300.00	1200.00
	Sundries	L.S.	208.13	2.12	441.24
	TOTAL				12755.56 W
	Add 1 % Water charges on "W"				127.56
	TOTAL				12883.11 X
	Add GST on "X" (multiplying factor 0.1405)				1810.08
	TOTAL				14693.19 Y
	Add 15% CPOH on "Y"				2203.98
	TOTAL				16897.17 Z
	Add Cess @ 1% on "Z"				168.97
	Cost for 10sqm.				17066.14
	Cost for 1sqm.				1706.61
	Say				1706.60

11.27 Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1168	Details of cost for 10sqm. MATERIAL				
2216	Kota stone slab 20 mm to 25 mm thick (semi-polished) including 15% wastage	sqm	11.50	320.00	3680.00
	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	145.72	97.63
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand)	cum	0.144	5024.15	723.48
0367	Rate as per Item Number 3.8 of SH: Mortars	tonne	0.064	5000.00	320.00
	Portland Cement for slurry				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of Cement	tonne	0.064	145.72	9.33
0874	Black colour dark shade pigment	kilogram	4.50	70.00	315.00
0124	LABOUR				
0114	Mason (brick layer) 2nd class	day	3.00	714.00	2142.00
0115	Beldar	day	3.00	645.00	1935.00
0139	Coolie	day	1.00	645.00	645.00
9999	Skilled Beldar (for floor rubbing etc.)	day	7.00	714.00	4998.00
	Sundries	L.S.	174.98	2.12	370.96
	TOTAL				15236.39 W
	Add 1 % Water charges on "W"				152.36
	TOTAL				15388.76 X
	Add GST on "X" (multiplying factor 0.1405)				2162.12
	TOTAL				17550.88 Y
	Add 15% CPOH on "Y"				2632.63
	TOTAL				20183.51 Z
	Add Cess @ 1% on "Z"				201.84
	Cost for 10sqm.				20385.34
	Cost for 1sqm.				2038.53
	Say				2038.55

11.28 40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints finished flush.

11.28.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1164	Details of cost for 10sqm. MATERIAL Finished work = 10 sqm Add for wastage @ 10% = 1 sqm Total = 11 sqm Red sand stone slab 40 mm thick (un-dressed)				
9977	Carriage Cement mortar 1 : 5 (1 cement : 5 coarse sand) (i) for beading = 0.224 cum+ (ii) for joining = 0.026 cum. Total=0.250cum.	sqm L.S.	11.00 34.06	230.00 2.12	2530.00 72.21
3.10	Rate as per Item Number 3.10 of SH: Mortars LABOUR	cum	0.25	3995.00	998.75
0123	Mason (brick layer) 1st class	day	3.10	784.00	2430.40
0100	Bandhani	day	1.10	714.00	785.40
0115	Coolie	day	0.55	645.00	354.75
0101	Bhisti	day	0.27	714.00	192.78

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10sqm. Cost for 1sqm. Say	L.S.	10.79	2.12	22.87 7387.16 W 73.87 7461.03 X 1048.28 8509.31 Y 1276.40 9785.71 Z 97.86 9883.56 988.36 988.35

11.28.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1165	Details of cost for 10sqm. MATERIAL Finished work = 10 sqm Add for wastage @ 10% = 1 sqm Total = 11 sqm White sand stone slab 40 mm thick (un-dressed)	sqm	11.00	250.00	2750.00
9977	Carriage Cement mortar 1 : 5 (1 cement : 5 coarse sand) (i) for beading = 0.224 cum+ (ii) for joining = 0.026 cum. Total=0.250cum.	L.S.	34.06	2.12	72.21
3.10	Rate as per Item Number 3.10 of SH: Mortars LABOUR	cum	0.25	3995.00	998.75
0123	Mason (brick layer) 1st class	day	3.10	784.00	2430.40
0100	Bandhani	day	1.10	714.00	785.40
0115	Coolie	day	0.55	645.00	354.75
0101	Bhisti	day	0.27	714.00	192.78
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10sqm. Cost for 1sqm. Say	L.S.	10.79	2.12	22.87 7607.16 W 76.07 7683.23 X 1079.49 8762.73 Y 1314.41 10077.14 Z 100.77 10177.91 1017.79 1017.80

11.29 40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand), including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone.

11.29.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1164	Details of cost for 10sqm. MATERIAL Finished work = 10 sqm Add for wastage @ 10% = 1 sqm Total = 11 sqm Red sand stone slab 40 mm thick (un-dressed)	sqm	11.00	230.00	2530.00
9977	Carriage Cement mortar 1 : 5 (1 cement : 5 coarse sand) (i) for beading = 0.224 cum+ (ii) for joining = 0.026 cum. Total=0.250cum.	L.S.	34.06	2.12	72.21
3.10	Rate as per Item Number 3.10 of SH: Mortars Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)	cum	0.25	3995.00	998.75
3.12	Rate as per Item Number 3.12 of SH: Mortars LABOUR	cum	0.023	5319.25	122.34
0123	Mason (brick layer) 1st class	day	3.90	784.00	3057.60
0100	Bandhani	day	1.10	714.00	785.40
0115	Coolie	day	1.40	645.00	903.00
0101	Bhisti	day	0.55	714.00	392.70
9999	Sundries	L.S.	26.91	2.12	57.05
	TOTAL				8919.05 W
	Add 1 % Water charges on "W"				89.19
	TOTAL				9008.24 X
	Add GST on "X" (multiplying factor 0.1405)				1265.66
	TOTAL				10273.90 Y
	Add 15% CPOH on "Y"				1541.08
	TOTAL				11814.98 Z
	Add Cess @ 1% on "Z"				118.15
	Cost for 10sqm.				11933.13
	Cost for 1sqm.				1193.31
	Say				1193.30

11.29.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL Finished work = 10 sqm Add for wastage @ 10% = 1 sqm Total = 11 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	11.00	250.00	2750.00
9977	Carriage Cement mortar 1 : 5 (1 cement : 5 coarse sand) (i) for beading = 0.224 cum+ (ii) for joining = 0.026 cum. Total=0.250cum.	L.S.	34.06	2.12	72.21
3.10	Rate as per Item Number 3.10 of SH: Mortars Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)	cum	0.25	3995.00	998.75
3.12	Rate as per Item Number 3.12 of SH: Mortars LABOUR	cum	0.023	5319.25	122.34
0123	Mason (brick layer) 1st class	day	3.90	784.00	3057.60
0100	Bandhani	day	1.10	714.00	785.40
0115	Coolie	day	1.40	645.00	903.00
0101	Bhisti	day	0.55	714.00	392.70
9999	Sundries	L.S.	26.91	2.12	57.05
	TOTAL				9139.05 W
	Add 1 % Water charges on "W"				91.39
	TOTAL				9230.44 X
	Add GST on "X" (multiplying factor 0.1405)				1296.88
	TOTAL				10527.32 Y
	Add 15% CPOH on "Y"				1579.10
	TOTAL				12106.41 Z
	Add Cess @ 1% on "Z"				121.06
	Cost for 10sqm.				12227.48
	Cost for 1sqm.				1222.75
	Say				1222.75

11.30 40 mm thick rubbed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints 3 mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar.

11.30.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1164	Details of cost for 10sqm. MATERIAL Finished work = 10 sqm Add for wastage @ 10% = 1 sqm Total = 11 sqm Red sand stone slab 40 mm thick (un-dressed)	sqm	11.00	230.00	2530.00
9977	Carriage Cement mortar 1 : 5 (1 cement : 5 coarse sand) (i) for beading = 0.224 cum+ (ii) for joining = 0.026 cum. Total=0.250cum.	L.S.	34.06	2.12	72.21

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.10	Rate as per Item Number 3.10 of SH: Mortars Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)	cum	0.25	3995.00	998.75
3.12	Rate as per Item Number 3.12 of SH: Mortars LABOUR	cum	0.023	5319.25	122.34
0123	Mason (brick layer) 1st class	day	3.90	784.00	3057.60
0100	Bandhani	day	1.10	714.00	785.40
0115	Coolie	day	1.40	645.00	903.00
0101	Bhisti	day	0.55	714.00	392.70
9999	Sundries	L.S.	26.91	2.12	57.05
	Labour for rubbing of stone				
0139	Skilled Beldar (for floor rubbing etc.)	day	0.618	714.00	441.25
0013	Machine for rubbing of floors	day	0.988	300.00	296.40
	TOTAL				9656.70 W
	Add 1 % Water charges on "W"				96.57
	TOTAL				9753.27 X
	Add GST on "X" (multiplying factor 0.1405)				1370.33
	TOTAL				11123.60 Y
	Add 15% CPOH on "Y"				1668.54
	TOTAL				12792.14 Z
	Add Cess @ 1% on "Z"				127.92
	Cost for 10sqm.				12920.06
	Cost for 1sqm.				1292.01
	Say				1292.00

11.30.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1165	Details of cost for 10sqm. MATERIAL Finished work = 10 sqm Add for wastage @ 10% = 1 sqm Total = 11 sqm White sand stone slab 40 mm thick (un-dressed) Carriage Cement mortar 1 : 5 (1 cement : 5 coarse sand) (i) for beading = 0.224 cum+ (ii) for joining = 0.026 cum. Total=0.250cum.	sqm L.S.	11.00 34.06	250.00 2.12	2750.00 72.21
3.10	Rate as per Item Number 3.10 of SH: Mortars Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)	cum	0.25	3995.00	998.75
3.12	Rate as per Item Number 3.12 of SH: Mortars LABOUR	cum	0.023	5319.25	122.34
0123	Mason (brick layer) 1st class	day	3.90	784.00	3057.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0100	Bandhani	day	1.10	714.00	785.40
0115	Coolie	day	1.40	645.00	903.00
0101	Bhisti	day	0.55	714.00	392.70
9999	Sundries	L.S.	26.91	2.12	57.05
	Labour for rubbing of stone				
0139	Skilled Beldar (for floor rubbing etc.)	day	0.618	714.00	441.25
0013	Machine for rubbing of floors	day	0.988	300.00	296.40
	TOTAL				9876.70 W
	Add 1 % Water charges on "W"				98.77
	TOTAL				9975.47 X
	Add GST on "X" (multiplying factor 0.1405)				1401.55
	TOTAL				11377.02 Y
	Add 15% CPOH on "Y"				1706.55
	TOTAL				13083.57 Z
	Add Cess @ 1% on "Z"				130.84
	Cost for 10sqm.				13214.41
	Cost for 1sqm.				1321.44
	Say				1321.45

11.31 Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0126	Details of cost for 10 metre LABOUR Mason (for ornamental stone work) 1st class TOTAL	day	1.50	784.00	1176.00 1176.00 W 11.76 1187.76 X
	Add 1 % Water charges on "W"				166.88
	TOTAL				1354.64 Y
	Add GST on "X" (multiplying factor 0.1405)				203.20
	TOTAL				1557.84 Z
	Add 15% CPOH on "Y"				15.58
	TOTAL				1573.41
	Add Cess @ 1% on "Z"				157.34
	Cost for 10metre				157.35
	Cost for 1 metre				
	Say				

11.32 Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	Details of cost for 10sqm. LABOUR Mason (brick layer) 2nd class	day	0.20	714.00	142.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10sqm. Cost for 1sqm. Say	day	0.20	645.00	129.00 271.80 W 2.72 274.52 X 38.57 313.09 Y 46.96 360.05 Z 3.60 363.65 36.37 36.35

11.33 25 mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with :

11.33.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2.5x4=10 sqm. MATERIAL Second class indian teak wood No of joints = 4000/138 = 28.97 Total = (29-1) = 28 nos Qty of wood required 2.5(4+0.336)x0.025 = 0.271 cum Add wastage @ 10 % = 0.027 cum Total = 0.2981 cum = 298.1 cudm Second class teak wood in planks Extra for selected planks of second class teakwood				
1190	10 cudm	29.81	791.00	23579.71	
1231	10 cudm	29.81	150.00	4471.50	
2204	cum	0.2981	187.35	55.85	
0682	100 Nos	2.00	76.00	152.00	
0111	Labour	day	2.68	784.00	2101.12
0114	Carpenter 1st class	day	1.35	645.00	870.75
9999	Sundries for glue etc.	L.S.	33.28	2.12	70.55
	TOTAL Add 1 % Water charges on "W"				31301.48 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				313.01
	TOTAL Add 15% CPOH on "Y"				31614.50 X
	TOTAL Add Cess @ 1% on "Z"				4441.84
	Cost for 10 sqm.				36056.33 Y
	Cost for 1sqm.				5408.45
	Say				41464.78 Z
					414.65
					41879.43
					4187.94
					4187.95

11.33.2 Second class deodar wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2.5x4=10 sqm. MATERIAL Second class deodar wood planks No of joints = 4000/138 = 28.97 Total = (29-1) = 28 nos Qty of wood required $2.5(4+0.336) \times 0.025 = 0.271$ cum Add wastage @ 10 % = 0.027 cum Total = 0.2981 cum = 298.1 cudm				
1194	Second class deodar wood in planks	10 cudm	29.81	500.00	14905.00
2500	Extra for selected planks of second class deodar wood	10 cudm	29.81	113.00	3368.53
2204	Carriage of Timber	cum	0.2981	187.35	55.85
0682	Oxidised mild steel screws 50 mm (slotted counters sunk head type)	100 Nos	2.00	76.00	152.00
	LABOUR				
0111	Carpenter 1st class	day	2.16	784.00	1693.44
0114	Beldar	day	1.08	645.00	696.60
9999	Sundries for glue etc.	L.S.	26.91	2.12	57.05
	TOTAL				20928.47 W
	Add 1 % Water charges on "W"				209.28
	TOTAL				21137.75 X
	Add GST on "X" (multiplying factor 0.1405)				2969.85
	TOTAL				24107.61 Y
	Add 15% CPOH on "Y"				3616.14
	TOTAL				27723.75 Z
	Add Cess @ 1% on "Z"				277.24
	Cost for 10 sqm.				28000.99
	Cost for 1sqm.				2800.10
	Say				2800.10

11.34 38 mm thick wood block flooring of first class teak wood laid over 25 mm thick leveling layer of cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 10 mm nominal size) to be paid separately, coated with a thin layer of hot bitumen penetration 80/25 (blown type) @ 2.45 kg per sqm, including fixing blocks in position after dipping in hot bitumen (blown type) up to half depth, planed, levelled smooth and finished complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0313	Details of cost for 1sqm. Bitumen blown type i) For bed layer @ 2.45kg/sqm. = 2.45kg+ ii) For dipping blocks L.S. = 2.00Kg. Total = 4.45kg. Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	0.0044	34790.00	153.08

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2211	Carriage of Tar bitumen 1st class teal wood in scanting for wooden blocks 1 sqm x 0.038 m = 0.038 cum Add 10 % wastage = 0.0038 cum Total = 0.0418 cum or 41.8 cudm	tonne	0.0044	163.93	0.72
1187	First class teak wood in scantling	10 cu dm	4.18	880.00	3678.40
2204	Carriage of Timber	cum	0.0418	187.35	7.83
0111	LABOUR	day	1.75	784.00	1372.00
0114	Carpenter 1st class	day	2.25	645.00	1451.25
0115	Beldar	day	1.50	645.00	967.50
0130	Coolie	day	0.10	784.00	78.40
9999	Mistry	L.S.	80.73	2.12	171.15
	Sundries such as fuel, kerosene oil, sand paper etc.				7880.33 W
	TOTAL				78.80
	Add 1 % Water charges on "W"				7959.13 X
	TOTAL				1118.26
	Add GST on "X" (multiplying factor 0.1405)				9077.39 Y
	TOTAL				1361.61
	Add 15% CPOH on "Y"				10439.00 Z
	TOTAL				104.39
	Add Cess @ 1% on "Z"				10543.39
	Cost for 1 sqm.				10543.40
	Say				

11.35 Providing and fixing M.S. angle 50x50x5 mm to act as nosing with lugs of M.S. flat 10x5 mm, 10 cm long, forked at end 60cm apart (minimum three lugs to be provided), including necessary welding and applying a priming coat of approved primer on exposed surface etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Details of cost for 3m (11.40+0.24kg = 11.64kg) MATERIAL Angle iron 50x50x5 mm =3 m Add wastage @ 5% = 0.15 m Total=3.15 m @ 3.80 kg per m = 11.97 kg Say 0.12 qtl Structurals such as tees,angles channels and R.S. joists Lugs 10x5 mm flat = 6x0.10 = 0.60 m@ 0.40 kg per m = 0.24 kg Add wastage @ 5% = 0.012 kg Total 0.252 kg or 0.0025 qtl	quintal	0.12	4950.00	594.00
1008	Flats upto 10 mm in thickness	quintal	0.0025	4850.00	12.13
2205	Carriage of Steel	tonne	0.016	145.72	2.33
1215	Welding by electric plant	cm	6.00	2.00	12.00
9999	6cm (lugs) Sundries	L.S.	9.10	2.12	19.29

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0103	LABOUR				
0123	Blacksmith 2nd class	day	0.09	714.00	64.26
0114	Mason (brick layer) 1st class	day	0.45	784.00	352.80
13.50.3	Beldar	day	0.25	645.00	161.25
	Priming coat 3x0.20 = 0.60 sqm				
	Rate as per item no 13.50.3 of SH : Finishing	sqm	0.60	55.50	33.30 A
	TOTAL				1251.36 W
	Add 1 % Water charges on "W-A"				12.18
	TOTAL				1263.54 X
	Add GST on "X-A" (multiplying factor 0.1405)				172.85
	TOTAL				1436.39 Y
	Add 15% CPOH on "Y-A"				210.46
	TOTAL				1646.85 Z
	Add Cess @ 1% on "Z-A"				16.14
	Cost for 11.64 kg.				1662.99
	Cost per 1 Kg.				142.87
	Say				142.85

11.37 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7801	Details of cost for 1 sqm MATERIAL Glazed Ceramic floor tiles 300x300 mm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm Ceramic Glazed Tiles 1st quality 300 x 300mm in all shades and designs of White, Ivory, grey, Fuem Red brown etc.				
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	sqm L.S.	1.025 6.24	175.00 2.12	179.38 13.23
3.9	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	cum L.S.	0.024 20.20	4355.20 2.12	104.52 42.82
0367	Portland Cement LABOUR	tonne	0.0033	5000.00	16.50
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage of cement etc TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.12	57.05 699.30 W 6.99 706.29 X 99.23 805.53 Y 120.83 926.36 Z 9.26 935.62 935.60

11.37A Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7801	Detail of Cost for 1.00 Sqm Material Glazed Ceramic Floor Tile = 1.00 Sqm+ Add for wastage and breakage @2.5% = 0.025 Sqm =1.025 Sqm	sqm	1.025	175.00	179.38
9999 3.8	Carriage of Tiles Cement mortar 1:3 (1 Cement: 3 Coarse Sand)	L.S.	6.240	2.12	13.23
9999 0367	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 Kg/Sqm Labour	cum	0.014	5024.15	70.34
0123	Mason 1st Class	tonne	3.640	2.12	7.72
0115	Coolie	day	0.0033	5000.00	16.50
9999	Sundries includung carriage of Cement etc TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost 1 sqm Say	L.S.	26.91	2.12	57.05 701.46 W 7.01 708.47 X 99.54 808.01 Y 121.20 929.21 Z 9.29 938.51 938.50

11.38 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Glazed Ceramic floor tiles 300x300 mm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
7802	Ceramic Glazed Tiles 1st quality 300 x 300 in all shades designs except White, Ivory, Grey, Fume Red Brown				
etc.	sq.m.				
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1.025 L.S.	300.00 6.24	307.50 2.12	13.23
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	20.20	2.12	42.82
0367	Portland Cement	tonne	0.0033	5000.00	16.50
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	Sundries including carriage of cement etc	L.S.	26.91	2.12	57.05
	TOTAL				827.43 W
	Add 1 % Water charges on "W"				8.27
	TOTAL				835.70 X
	Add GST on "X" (multiplying factor 0.1405)				117.42
	TOTAL				953.12 Y
	Add 15% CPOH on "Y"				142.97
	TOTAL				1096.08 Z
	Add Cess @ 1% on "Z"				10.96
	Cost for 1 sqm				1107.05
	Say				1107.05

11.39 Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Rectified Ceramic Glazed floor tiles 300x300 mm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
7803	Rectified Ceramic Glazed Tiles 1st quality 300x300mm or more in all shades designs White, Ivory, Grey, Fuem Red Brown etc.	sq.m.	1.025	340.00	348.50
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	13.47	2.12	28.56
0367	Portland Cement	tonne	0.0033	5000.00	16.50
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	Sundries including carriage of cement etc	L.S.	26.91	2.12	57.05
	TOTAL				854.16 W
	Add 1 % Water charges on "W"				8.54
	TOTAL				862.70 X
	Add GST on "X" (multiplying factor 0.1405)				121.21
	TOTAL				983.91 Y
	Add 15% CPOH on "Y"				147.59
	TOTAL				1131.50 Z
	Add Cess @ 1% on "Z"				11.31
	Cost for 1 sqm				1142.81
	Say				1142.80

11.40 Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Rectified Ceramic Glazed floor tiles 300x300 mm size or more = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
7804	Rectified Ceramic Glazed Tiles 1st quality 300x300mm or more in all shades designs except White, Ivory, Grey, Fuem Red Brown etc.	sq.m.	1.025	400.00	410.00
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	13.47	2.12	28.56
0367	Portland Cement LABOUR	tonne	0.0033	5000.00	16.50
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	Sundries including carriage of cement etc	L.S.	26.91	2.12	57.05
	TOTAL				915.66 W
	Add 1 % Water charges on "W"				9.16
	TOTAL				924.82 X
	Add GST on "X" (multiplying factor 0.1405)				129.94
	TOTAL				1054.75 Y
	Add 15% CPOH on "Y"				158.21
	TOTAL				1212.97 Z
	Add Cess @ 1% on "Z"				12.13
	Cost for 1 sqm				1225.09
	Say				1225.10

11.41 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.

11.41.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 50x50 cm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
8620 9977	Vitrified floor tile 50x50 cm Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	sqm L.S.	1.025 6.24	500.00 2.12	512.50 13.23
3.9	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	cum L.S.	0.024 3.64	4355.20 2.12	104.52 7.72
9999	Portland Cement LABOUR	tonne	0.0033	5000.00	16.50
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	Sundries including carriage of cement etc	L.S.	26.91	2.12	57.05
	TOTAL				997.32 W
	Add 1 % Water charges on "W"				9.97
	TOTAL				1007.29 X
	Add GST on "X" (multiplying factor 0.1405)				141.52
	TOTAL				1148.82 Y
	Add 15% CPOH on "Y"				172.32
	TOTAL				1321.14 Z
	Add Cess @ 1% on "Z"				13.21
	Cost for 1 sqm				1334.35
	Say				1334.35

11.41.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 60x60 cm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
8621 9977	Vitrified floor tile 60x60 cm Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	sqm L.S.	1.025 6.24	560.00 2.12	574.00 13.23
3.9	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	cum L.S.	0.024 3.64	4355.20 2.12	104.52 7.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	0.0033	5000.00	16.50
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	Sundries including carriage of cement etc	L.S.	26.91	2.12	57.05
	TOTAL				1058.82 W
	Add 1 % Water charges on "W"				10.59
	TOTAL				1069.41 X
	Add GST on "X" (multiplying factor 0.1405)				150.25
	TOTAL				1219.66 Y
	Add 15% CPOH on "Y"				182.95
	TOTAL				1402.61 Z
	Add Cess @ 1% on "Z"				14.03
	Cost for 1 sqm				1416.63
	Say				1416.65

11.41.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 80x80 cm size = 1.00 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
8622	Vitrified floor tile 80x80 cm	sqm	1.025	900.00	922.50
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23
3.9	Rate as per Item Number 3.9 of SH: Mortars Mortar for pointing in white cement	cum	0.024	4355.20	104.52
9999	Cement for slurry over bed @ 3.3 kg per sqm	L.S.	2.60	2.12	5.51
0367	Portland Cement	tonne	0.0033	5000.00	16.50
0123	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	Sundries including carriage of cement etc	L.S.	26.91	2.12	57.05
	TOTAL				1405.11 W
	Add 1 % Water charges on "W"				14.05
	TOTAL				1419.17 X
	Add GST on "X" (multiplying factor 0.1405)				199.39
	TOTAL				1618.56 Y
	Add 15% CPOH on "Y"				242.78
	TOTAL				1861.34 Z
	Add Cess @ 1% on "Z"				18.61
	Cost for 1 sqm				1879.96
	Say				1879.95

11.41.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 100x100 cm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
8623	Vitrified floor tile 100x100 cm	sqm	1.025	1390.00	1424.75
9977	Carriage of tiles	L.S.	6.24	2.12	13.23
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement	L.S.	2.60	2.12	5.51
	Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5000.00	16.50
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	Sundries including carriage of cement etc	L.S.	26.91	2.12	57.05
	TOTAL				1907.36 W
	Add 1 % Water charges on "W"				19.07
	TOTAL				1926.44 X
	Add GST on "X" (multiplying factor 0.1405)				270.66
	TOTAL				2197.10 Y
	Add 15% CPOH on "Y"				329.57
	TOTAL				2526.67 Z
	Add Cess @ 1% on "Z"				25.27
	Cost for 1 sqm				2551.94
	Say				2551.95

11.41A Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.

11.41A.1 Double charge vitrified tile polished finish of size

11.41A.1.1 Size of Tile 600 x 600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 1 sqm MATERIAL Double Charged vitrified floor tiles 60 x 60 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm				
2752	Double charge vitrified tile polished finish of size 60 x 60 cm	sqm	1.025	460.00	471.50
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	3.64	2.12	7.72
0367	Portland cement	tonne	0.0033	5000.00	16.50
9999	For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	2.50	2.12	5.30
0123	LABOUR Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL Add 1% Water charges on "W"				961.62 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				9.62
	TOTAL Add 15% CPOH on "Y"				971.24 X
	TOTAL Add Cess @ 1% on "Z"				136.46
	Cost of 1sqm				1107.69 Y
	Say				166.15
					1273.85 Z
					12.74
					1286.59
					1286.60

11.41A.1.2 Size of Tile 800 x 800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 1 sqm MATERIAL Double Charged vitrified floor tiles 80 x 80 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm				
2753	Double charge vitrified tile polished finish of size 80 x 80 cm	sqm	1.025	525.00	538.13
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement	L.S.	2.60	2.12	5.51
0367	Cement for slurry over bed @ 3.3 kg per sqm	tonne	0.0033	5000.00	16.50
9999	Portland cement	L.S.	2.50	2.12	5.30
0123	For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	day	0.20	784.00	156.80
0115	LABOUR	day	0.20	645.00	129.00
9988	Mason (brick layer) 1st class	L.S.	26.91	2.12	57.05
	Coolie				1026.04 W
	sundries including carriage of quick set polymer etc.				10.26
	TOTAL				1036.30 X
	Add 1% Water charges on "W"				145.60
	TOTAL				1181.90 Y
	Add GST on "X" (multiplying factor 0.1405)				177.29
	TOTAL				1359.19 Z
	Add 15% CPOH on "Y"				13.59
	TOTAL				1372.78
	Add Cess @ 1% on "Z"				1372.80
	Cost of 1sqm				
	Say				

11.41A.1.3 Size of Tile 600 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2754	Detail of cost for 1 sqm MATERIAL Double Charged vitrified floor tiles 60 x 120 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm	sqm	1.025	550.00	563.75
9977	Double charge vitrified tile polished finish of size 60 x 120 cm Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement	L.S.	2.60	2.12	5.51
0367	Cement for slurry over bed @ 3.3 kg per sqm	tonne	0.0033	5000.00	16.50
9999	Portland cement	L.S.	2.50	2.12	5.30
0123	For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	day	0.20	784.00	156.80
0115	LABOUR	day	0.20	645.00	129.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	sundries including carriage of quick set polymer etc. TOTAL Add 1% Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1sqm Say	L.S.	26.91	2.12	57.05 1051.66 W 10.52 1062.18 X 149.24 1211.42 Y 181.71 1393.13 Z 13.93 1407.06 1407.05

11.41A.1.4 Size of Tile 800 x 1600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2755	Detail of cost for 1 sqm MATERIAL Double Charged vitrified floor tiles 80 x 160 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm Double charge vitrified tile polished finish of size 80 x 160 cm	sqm	1.025	750	768.75
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	2.60	2.12	5.51
0367	Portland cement	tonne	0.0033	5000.00	16.50
9999	For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	2.50	2.12	5.30
0123	LABOUR Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	sundries including carriage of quick set polymer etc. TOTAL Add 1% Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1sqm Say	L.S.	26.91	2.12	57.05 1256.66 W 12.57 1269.23 X 178.33 1447.56 Y 217.13 1664.69 Z 16.65 1681.34 1681.35

11.41A.1.5 Size of Tile 1000 x 1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 1 sqm MATERIAL Double Charged vitrified floor tiles 100 x 100 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm				
2756	Double charge vitrified tile polished finish of size 100 x 100 cm	sqm	1.025	700.00	717.50
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement	L.S.	2.60	2.12	5.51
0367	Cement for slurry over bed @ 3.3 kg per sqm	tonne	0.0033	5000.00	16.50
9999	Portland cement	L.S.	2.50	2.12	5.30
	For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.				
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL				1205.41 W
	Add 1% Water charges on "W"				12.05
	TOTAL				1217.47 X
	Add GST on "X" (multiplying factor 0.1405)				171.05
	TOTAL				1388.52 Y
	Add 15% CPOH on "Y"				208.28
	TOTAL				1596.80 Z
	Add Cess @ 1% on "Z"				15.97
	Cost of 1sqm				1612.77
	Say				1612.75

11.41A.2 Glazed vitrified floor tiles polished finish of size

11.41A.2.1 Size of Tile 600 x 600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 1 sqm MATERIAL Glazed vitrified floor tiles 60 x 60 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm				
2757	Glazed vitrified tiles polished finish of size 60 x 60 cm	sqm	1.025	500.00	512.50
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9 9999	Rate as per Item Number 3.9 of SH: Mortars Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	Cum L.S.	0.024 2.60	4355.20 2.12	104.52 5.51
0367 9999	Portland cement For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	tonne	0.0033	5000.00	16.50
0123 0115 9988	LABOUR Mason (brick layer) 1st class Coolie sundries including carriage of quick set polymer etc.	L.S.	2.50 0.20 0.20	2.12 784.00 645.00	5.30 156.80 129.00
	TOTAL Add 1% Water charges on "W"		26.91	2.12	57.05 1000.41 W 10.00
	TOTAL Add GST on "X" (multiplying factor 0.1405)				1010.42 X 141.96
	TOTAL Add 15% CPOH on "Y"				1152.38 Y 172.86
	TOTAL Add Cess @ 1% on "Z"				1325.24 Z 13.25
	Cost of 1sqm				1338.49
	Say				1338.50

11.41A.2.2 Size of Tile 600 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2758	Detail of cost for 1 sqm MATERIAL Glazed vitrified floor tiles 60 x 120 cm size = 1.00 sqm + Add wastage & breakage @ 2.5% = 0.025 sqm. Total = 1.025 sqm				
9977	Glazed vitrified tiles polished finish of size 60 x 120 cm Carriage of tiles 20 mm thick Cement mortar	sqm L.S.	1.025 6.24	700 2.12	717.50 13.23
3.9 9999	1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	Cum L.S.	0.024 2.60	4355.20 2.12	104.52 5.51
0367 9999	Portland cement For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	tonne	0.0033	5000.00	16.50
0123 0115	LABOUR Mason (brick layer) 1st class Coolie	L.S. day day	2.50 0.20 0.20	2.12 784.00 645.00	5.30 156.80 129.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	sundries including carriage of quick set polymer etc. TOTAL Add 1% Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1sqm Say	L.S.	26.91	2.12	57.05 1205.41 W 12.05 1217.47 X 171.05 1388.52 Y 208.28 1596.80 Z 15.97 1612.77 1612.75

11.41A.2.3 Size of Tile 800 x 800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2759	Detail of cost for 1 sqm MATERIAL Glazed vitrified floor tiles 80 x 80 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm				
9977	Glazed vitrified tiles polished finish of size 80 x 80 cm	sqm	1.025	650	666.25
	Carriage of tiles	L.S.	6.24	2.12	13.23
3.9	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	Cum	0.024	4355.20	104.52
9999	Rate as per Item Number 3.9 of SH: Mortars	L.S.	2.60	2.12	5.51
0367	Mortar for pointing in white cement				
9999	Cement for slurry over bed @ 3.3 kg per sqm				
	Portland cement	tonne	0.0033	5000.00	16.50
	For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	2.50	2.12	5.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	sundries including carriage of quick set polymer etc. TOTAL Add 1% Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1sqm Say	L.S.	26.91	2.12	57.05 1154.16 W 11.54 1165.71 X 163.78 1329.49 Y 199.42 1528.91 Z 15.29 1544.20 1544.20

11.41A.2.4 Size of Tile 800 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 1 sqm MATERIAL Glazed vitrified floor tiles 80 x 120 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm				
2760	Glazed vitrified tiles polished finish of size 80 x 120 cm	sqm	1.025	880	902.00
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	2.60	2.12	5.51
0367	Portland cement	tonne	0.0033	5000.00	16.50
9999	For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	2.50	2.12	5.30
0123	LABOUR Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL Add 1% Water charges on "W"				1389.91 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				13.90
	TOTAL Add 15% CPOH on "Y"				1403.81 X
	TOTAL Add Cess @ 1% on "Z"				197.24
	Cost of 1sqm				1601.05 Y
	Say				240.16
					1841.21 Z
					18.41
					1859.62
					1859.60

11.41A.2.5 Size of Tile 1200 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 1 sqm MATERIAL Glazed vitrified floor tiles 120 x 120 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm				
2761	Glazed vitrified tiles polished finish of size 120 x 120 cm	sqm	1.025	1200	1230.00
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.12	13.23

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9 9999 0367 9999 0123 0115 9988	Rate as per Item Number 3.9 of SH: Mortars Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm Portland cement For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc. LABOUR Mason (brick layer) 1st class Coolie sundries including carriage of quick set polymer etc. TOTAL Add 1% Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1sqm Say	Cum L.S. tonne L.S. day day L.S.	0.024 2.60 0.0033 2.50 0.20 0.20 26.91	4355.20 2.12 5000.00 2.12 784.00 645.00 2.12 1717.91 17.18 1735.09 243.78 1978.87 296.83 2275.71 22.76 2298.46 2298.45	104.52 5.51 16.50 5.30 156.80 129.00 57.05 1717.91 W 17.18 1735.09 X 243.78 1978.87 Y 296.83 2275.71 Z 22.76 2298.46 2298.45

11.41A.3 Glazed Vitrified tiles Matt/Antiskid finish of size

11.41A.3.1 Size of Tile 600 x 600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2762 9977 3.9 9999 0367 9999 0123 0115	Detail of cost for 1 sqm MATERIAL Glazed Vitrified tiles Matt/Antiskid finish 60 x 60 cm size = 1.00 sqm+ Add wastage & breakage @2.5% = 0.025 sqm. Total = 1.025 sqm Glazed Vitrified tiles Matt/Antiskid finish of size 60 x 60 cm Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm Portland cement For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc. LABOUR Mason (brick layer) 1st class Coolie	sqm L.S. Cum L.S. tonne L.S. day day	1.025 6.24 0.024 2.60 0.0033 2.50 0.20 0.20	480 2.12 4355.20 2.12 5000.00 2.12 784.00 645.00	492.00 13.23 104.52 5.51 16.50 5.30 156.80 129.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	sundries including carriage of quick set polymer etc. TOTAL Add 1% Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1sqm Say	L.S.	26.91	2.12	57.05 979.91 W 9.80 989.71 X 139.05 1128.77 Y 169.32 1298.08 Z 12.98 1311.06 1311.05

11.41A.3.2 Size of Tile 600 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2763	Detail of cost for 1 sqm MATERIAL Glazed Vitrified tiles Matt/Antiskid finish 60 x 120 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm				
9977	Glazed Vitrified tiles Matt/Antiskid finish of size 60 x 120 cm Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm L.S.	1.025 6.24	700 2.12	717.50 13.23
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	2.60	2.12	5.51
0367	Portland cement	tonne	0.0033	5000.00	16.50
9999	For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	2.50	2.12	5.30
0123	LABOUR Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	sundries including carriage of quick set polymer etc. TOTAL Add 1% Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1sqm Say	L.S.	26.91	2.12	57.05 1205.41 W 12.05 1217.47 X 171.05 1388.52 Y 208.28 1596.80 Z 15.97 1612.77 1612.75

11.41A.3.3 Size of Tile 800 x 800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2764	Detail of cost for 1 sqm MATERIAL Glazed Vitrified tiles Matt/Antiskid finish 80 x 80 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm				
9977	Glazed Vitrified tiles Matt/Antiskid finish of size 80 x 80 cm Carriage of tiles 20 mm thick Cement mortar	sqm L.S.	1.025 6.24	650 2.12	666.25 13.23
3.9	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	Cum L.S.	0.024 2.60	4355.20 2.12	104.52 5.51
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland cement	tonne	0.0033	5000.00	16.50
9999	For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	2.50	2.12	5.30
0123	LABOUR Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL Add 1% Water charges on "W"				1154.16 W
	TOTAL Add GST on "X" (multiplying factor 0.1405)				11.54
	TOTAL Add 15% CPOH on "Y"				1165.71 X
					163.78
					1329.49 Y
					199.42
					1528.91 Z
					15.29
	Add Cess @ 1% on "Z"				1544.20
	Cost of 1sqm				1544.20
	Say				

11.41A.3.4 Size of Tile 800 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2765	Detail of cost for 1 sqm MATERIAL Glazed Vitrified tiles Matt/Antiskid finish 80 x 120 cm size =1.00 sqm+ Add wastage & breakage @2.5% =0.025 sqm. Total = 1.025 sqm				
9977	Glazed Vitrified tiles Matt/Antiskid finish of size 80 x 120 cm Carriage of tiles 20 mm thick Cement mortar	sqm L.S.	1.025 6.24	880 2.12	902.00 13.23

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9 9999 0367 9999 0123 0115 9988	Rate as per Item Number 3.9 of SH: Mortars Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm Portland cement For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc. LABOUR Mason (brick layer) 1st class Coolie sundries including carriage of quick set polymer etc. TOTAL Add 1% Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1sqm Say	cum L.S. tonne L.S. day day L.S.	0.024 2.60 0.0033 2.50 0.20 0.20 26.91	4355.20 2.12 5000.00 2.12 784.00 645.00 2.12 1389.91 13.90 1403.81 197.24 1601.05 240.16 1841.21 18.41 1859.62 1859.60	104.52 5.51 16.50 5.30 156.80 129.00 57.05 W 13.90 1403.81 X 197.24 1601.05 Y 240.16 1841.21 Z 18.41 1859.62 1859.60

11.41A.3.5 Size of Tile 1200 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2766 9977 3.9 9999 0367 9999 0123 0115	Detail of cost for 1 sqm MATERIAL Glazed Vitrified tiles Matt/Antiskid finish 60 x 60 cm size = 1.00 sqm+ Add wastage & breakage @2.5% = 0.025 sqm. Total = 1.025 sqm Glazed Vitrified tiles Matt/Antiskid finish of size 120 x 120 cm Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm Portland cement For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc. LABOUR Mason (brick layer) 1st class Coolie	sqm L.S. Cum L.S. tonne L.S. day day	1.025 6.24 0.024 2.6 0.0033 2.50 0.20 0.20	1400 2.12 4355.20 2.12 5000.00 2.12 784.00 645.00	1435.00 13.23 104.52 5.51 16.50 5.30 156.80 129.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	sundries including carriage of quick set polymer etc. TOTAL Add 1% Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1sqm Say	L.S.	26.91	2.12	57.05 1922.91 W 19.23 1942.14 X 272.87 2215.02 Y 332.25 2547.27 Z 25.47 2572.74 2572.75

11.42 Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Details of cost for 1 sqm MATERIAL Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4355.20	104.52
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	40.43	2.12	85.71
0367	Portland Cement LABOUR	tonne	0.0033	5000.00	16.50
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	Sundries i/c carriage of cement etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.12	57.05 549.59 W 5.50 555.08 X 77.99 633.07 Y 94.96 728.03 Z 7.28 735.31 735.30

11.43 Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8731	Details of cost for 1 sqm MATERIAL High polymer modified quickset tile adhesive.	per kg	5.00	9.00	45.00
9999	Mortar for pointing in white cement LABOUR	L.S.	40.43	2.12	85.71
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.20	645.00	129.00
9988	Sundries i/c carriage of cement etc. TOTAL Add 1 % Water charges on "W"	L.S.	26.91	2.12	57.05
	TOTAL				473.56 W
	Add GST on "X" (multiplying factor 0.1405)				4.74
	TOTAL				478.30 X
	Add 15% CPOH on "Y"				67.20
	TOTAL				545.50 Y
	Add 15% CPOH on "Z"				81.82
	Cost for 1 sqm				627.32 Z
	Say				6.27
					633.59
					633.60

11.44 Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Details of cost for 10 sqm. MATERIAL Under layer 12 mm thick Cement mortar 1:4 (1 cement : 4 coarse sand). Rate as per Item No.3.9 of SH:Mortar LABOUR	cum	0.14	4355.20	609.73
0124	Mason (brick layer) 2nd class	day	0.67	714.00	478.38
0114	Beldar	day	0.75	645.00	483.75
0101	Bhisti	day	0.92	714.00	656.88
9999	Sundries Cement slurry for subgrade	L.S.	8.97	2.12	19.02
0367	Portland Cement	tonne	0.04	5000.00	200.00
2209	Carriage of Cement Labour for applying cement slurry	tonne	0.04	145.72	5.83

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar Top layer with tile piece and gap filling with cement mortar: Ceramic tile piece for crazy flooring assuming 70% tile area and 30% of joint filler/mixture. $(7.00 \times 0.010) = 0.07$ $0.872 \times 0.07 / 0.051 = 1.20$ qtl	day	0.50	645.00	322.50
2709	Ceremic Tiles Pieces for Crazy Flooring	quintal	1.20	145.00	174.00
9977	Carriage of tiles	L.S.	62.40	2.12	132.29
3.9	Cement mortar 1:4 for filling of crazy tile : $(300 \times 0.01 = 0.03)$	cum	0.03	4355.20	130.66
4.18	Rate as per Item No.3.9 of SH:Mortar Synthetic polyster triangular	per bag of 50kg of cement	1.38	61.90	85.42 A
4.12	Rate as per Item No.4.18 of SH: CONCRETE WORK Water proofing compound	per bag of 50kg of cement	1.38	57.15	78.87 A
0123	Mason (brick layer) 1st class	day	1.20	784.00	940.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0101	Bhisti	day	0.54	714.00	385.56
9999	Sundries	L.S.	67.25	2.12	142.57
	TOTAL				6136.25 W
	Add 1 % Water charges on "W-A"				59.72
	TOTAL				6195.97 X
	Add GST on "X-A" (multiplying factor 0.1405)				847.45
	TOTAL				7043.42 Y
	Add 15% CPOH on "Y-A"				1031.87
	TOTAL				8075.29 Z
	Add Cess @ 1% on "Z-A"				79.11
	Cost of 10 sqm.				8154.40
	Cost of 1 sqm.				815.44
	Say				815.45

11.45 Providing and laying 500x500x40 mm thick Turfpave XD on 150 mm thick sub grade of compacted bed of 20 mm thick nominal size stone aggregate and base course and filling with 150 mm thick jamuna sand, including spreading, well ramming, consolidating and finishing smooth etc. all complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 10 sqm. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size $1 \times 10 \times 0.15 = 1.5$ cum	cum	1.50	1400.00	2100.00
2202	Stone aggregate below 40 mm nominal size	cum	1.50	163.93	245.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR for spreading ramming and consolidation of sub grade				
0114	Beldar	day	0.70	645.00	451.50
0115	Coolie	day	0.52	645.00	335.40
0101	Bhisti	day	0.36	714.00	257.04
2.27	Providing and filling Jamuna sand Rate as per Item No.2.27 of SH: EARTH WORK	cum	1.50	2161.20	3241.80 A
2708	Truf Paver (500 x 500 x 40 mm)	sqm	10.00	510.00	5100.00
	Labour for laying of Turf pave				
0123	Mason (brick layer) 1st class	day	0.50	784.00	392.00
0114	Beldar	day	1.00	645.00	645.00
9999	Sundries	L.S.	50.00	2.12	106.00
	TOTAL				12874.64 W
	Add 1 % Water charges on "W-A"				96.33
	TOTAL				12970.96 X
	Add GST on "X-A" (multiplying factor 0.1405)				1366.95
	TOTAL				14337.91 Y
	Add 15% CPOH on "Y-A"				1664.42
	TOTAL				16002.33 Z
	Add Cess @ 1% on "Z-A"				127.61
	Cost of 10 sqm.				16129.93
	Cost of 1 sqm.				1612.99
	Say				1613.00

11.46 **Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.**

11.46.1 **Size of Tile 500x500 mm**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 50 x 50 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8620	Vitrified floor tile 50x50 cm	sqm	1.025	500.00	512.50
9977	Carriage of tiles 12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand)	L.S.	6.24	2.12	13.23
3.8	Rate as per Item No.3.8 of SH:Mortars	cum	0.014	5024.15	70.34
9999	Mortar for pointing in white cement Cement slurry over bed @ 3.3 kg per sqm	L.S.	3.64	2.12	7.72
0367	Portland Cement	tonne	0.0033	5000.00	16.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	LABOUR				
0115	Mason (brick layer) 1st class	day	0.25	784.00	196.00
9988	Coolie	day	0.25	645.00	161.25
	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL				1034.58 W
	Add 1 % Water charges on "W"				10.35
	TOTAL				1044.93 X
	Add GST on "X" (multiplying factor 0.1405)				146.81
	TOTAL				1191.74 Y
	Add 15% CPOH on "Y"				178.76
	TOTAL				1370.50 Z
	Add Cess @ 1% on "Z"				13.71
	Cost for 1 sqm				1384.21
	Say				1384.20

11.46.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
	Vitrified floor tiles 60 x 60 cm size				
	= 1.00 sqm+				
	Add wastage & breakage @ 2.5%				
	= 0.025 sqm				
	Total = 1.025 sqm				
8621	Vitrified floor tile 60x60 cm	sqm	1.025	560.00	574.00
9977	Carriage of tiles	L.S.	6.24	2.12	13.23
	12 mm thick Cement mortar				
	1 : 3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item No.3.8 of SH:Mortars	cum	0.014	5024.15	70.34
9999	Mortar for pointing in white cement	L.S.	3.64	2.12	7.72
	Cement slurry over bed @				
	3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5000.00	16.50
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	784.00	196.00
0115	Coolie	day	0.25	645.00	161.25
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL				1096.08 W
	Add 1 % Water charges on "W"				10.96
	TOTAL				1107.04 X
	Add GST on "X" (multiplying factor 0.1405)				155.54
	TOTAL				1262.58 Y
	Add 15% CPOH on "Y"				189.39
	TOTAL				1451.97 Z
	Add Cess @ 1% on "Z"				14.52
	Cost for 1 sqm				1466.49
	Say				1466.50

11.46.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 80 x 80 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8622 9977	Vitrified floor tile 80x80 cm Carriage of tiles 12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand) Rate as per Item No.3.8 of SH:Mortars Mortar for pointing in white cement Cement slurry over bed @ 3.3 kg per sqm Portland Cement LABOUR	sqm L.S.	1.025 6.24	900.00 2.12	922.50 13.23
3.8 9999	Cum L.S.	0.014 3.64	5024.15 2.12	70.34 7.72	
0367	tonne	0.0033	5000.00	16.50	
0123	day	0.25	784.00	196.00	
0115	day	0.25	645.00	161.25	
9988	Sundries including carriage of quick set polymer etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.12	57.05 1444.58 W 14.45 1459.03 X 204.99 1664.02 Y 249.60 1913.63 Z 19.14 1932.76 1932.75

11.46.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 100 x 100 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8623 9977	Vitrified floor tile 100x100 cm Carriage of tiles 12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand) Rate as per Item No.3.8 of SH:MORTARS Mortar for pointing in white cement Cement slurry over bed @ 3.3 kg per sqm	sqm L.S.	1.025 6.24	1390.00 2.12	1424.75 13.23
3.8 9999	cum L.S.	0.014 3.64	5024.15 2.12	70.34 7.72	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	0.0033	5000.00	16.50
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	784.00	196.00
0115	Coolie	day	0.25	645.00	161.25
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL				1946.83 W
	Add 1 % Water charges on "W"				19.47
	TOTAL				1966.30 X
	Add GST on "X" (multiplying factor 0.1405)				276.27
	TOTAL				2242.57 Y
	Add 15% CPOH on "Y"				336.38
	TOTAL				2578.95 Z
	Add Cess @ 1% on "Z"				25.79
	Cost for 1 sqm				2604.74
	Say				2604.75

11.46A Providing and fixing glazed screen printed border tile 75mm wide having thickness 5mm, of approved quality & make, in all shades, design and prints, in dado, over 12mm thick bed of cement mortar 1:3 (1 Cement : 3 Coarse sand) and jointing with grey cement slurry @ 3.3 kg/sqm including pointing with white cement mixed with pigment of matching shade, all complete as approved by Engineer - in - Charge

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8624	Details for 1sqm (i.e. 13.33m length) Material Border tiles 200x75mm size 5mm thick Tile required=1.00/(0.20x0.075)=66.70 tile. Add 2.5% wastage = 1.67 tile Total 68.37 say 68 tiles	each	68.00	16.00	1088.00
9999	Carriage	L.S.	6.24	2.12	13.23
3.8	Cement mortar 1:3 for 12mm base	cum	0.014	5024.15	70.34
9999	Mortar for pointing in white cement	L.S.	40.43	2.12	85.71
0367	Cement for slurry over bed @ 3.3kg/sqm	tonne	0.0033	5000.00	16.50
	Labour				
0123	Mason 1st class	each	0.25	784.00	196.00
0115	Coolie	each	0.25	645.00	161.25
9999	Sundries 26.91-0.16=26.75	L.S.	26.75	2.12	56.71
	TOTAL				1687.74 W
	Add 1 % Water charges on "W"				16.88
	TOTAL				1704.62 X
	Add GST on "X" (multiplying factor 0.1405)				239.50
	TOTAL				1944.11 Y
	Add 15% CPOH on "Y"				291.62
	TOTAL				2235.73 Z
	Add Cess @ 1% on "Z"				22.36
	Details of cost for 1sqm i.e. 13.33 mts				2258.09
	Cost per metre				169.40
	Say				169.40

11.47 Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).

11.47.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 50 x 50 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8620	Vitrified floor tile 50x50 cm	sqm	1.025	500.00	512.50
9977	Carriage of tiles	L.S.	6.24	2.12	13.23
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	784.00	196.00
0115	Coolie	day	0.50	645.00	322.50
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL				1191.28 W
	Add 1 % Water charges on "W"				11.91
	TOTAL				1203.19 X
	Add GST on "X" (multiplying factor 0.1405)				169.05
	TOTAL				1372.24 Y
	Add 15% CPOH on "Y"				205.84
	TOTAL				1578.07 Z
	Add Cess @ 1% on "Z"				15.78
	Cost for 1 sqm				1593.86
	Say				1593.85

11.47.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 60 x 60 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8621	Vitrified floor tile 60x60 cm	sqm	1.025	560.00	574.00
9977	Carriage of tiles	L.S.	6.24	2.12	13.23
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	LABOUR				
0115	Mason (brick layer) 1st class	day	0.25	784.00	196.00
9988	Coolie	day	0.50	645.00	322.50
	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL				1252.78 W
	Add 1 % Water charges on "W"				12.53
	TOTAL				1265.31 X
	Add GST on "X" (multiplying factor 0.1405)				177.78
	TOTAL				1443.08 Y
	Add 15% CPOH on "Y"				216.46
	TOTAL				1659.54 Z
	Add Cess @ 1% on "Z"				16.60
	Cost for 1 sqm				1676.14
	Say				1676.15

11.47.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
	Vitrified floor tiles 80 x 80 cm size				
	= 1.00 sqm+				
	Add wastage & breakage @ 2.5%				
	= 0.025 sqm				
	Total = 1.025 sqm				
8622	Vitrified floor tile 80x80 cm	sqm	1.025	900.00	922.50
9977	Carriage of tiles	L.S.	6.24	2.12	13.23
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	784.00	196.00
0115	Coolie	day	0.50	645.00	322.50
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL				1601.28 W
	Add 1 % Water charges on "W"				16.01
	TOTAL				1617.29 X
	Add GST on "X" (multiplying factor 0.1405)				227.23
	TOTAL				1844.52 Y
	Add 15% CPOH on "Y"				276.68
	TOTAL				2121.20 Z
	Add Cess @ 1% on "Z"				21.21
	Cost for 1 sqm				2142.41
	Say				2142.40

11.47.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 100 x 100 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8623	Vitrified floor tile 100x100 cm	sqm	1.025	1390.00	1424.75
9977	Carriage of tiles	L.S.	6.24	2.12	13.23
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	784.00	196.00
0115	Coolie	day	0.50	645.00	322.50
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL				2103.53 W
	Add 1 % Water charges on "W"				21.04
	TOTAL				2124.56 X
	Add GST on "X" (multiplying factor 0.1405)				298.50
	TOTAL				2423.06 Y
	Add 15% CPOH on "Y"				363.46
	TOTAL				2786.52 Z
	Add Cess @ 1% on "Z"				27.87
	Cost for 1 sqm				2814.39
	Say				2814.40

11.48 Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.

11.48.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Epoxy Grout	Kg	0.21	380.00	79.80
	LABOUR				
8682	Mason (brick layer) 1st class	day	0.10	784.00	78.40
0123	Coolie	day	0.10	645.00	64.50
0115	Sundries including carriage	L.S.	5.00	2.12	10.60
9988	TOTAL				233.30 W
	Add 1 % Water charges on "W"				2.33
	TOTAL				235.63 X
	Add GST on "X" (multiplying factor 0.1405)				33.11
	TOTAL				268.74 Y
	Add 15% CPOH on "Y"				40.31
	TOTAL				309.05 Z
	Add Cess @ 1% on "Z"				3.09
	Cost for 1 sqm				312.14
	Say				312.15

11.48.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8682	Details of cost for 1 sqm MATERIAL Epoxy Grout	Kg	0.18	380.00	68.40
0123	LABOUR Mason (brick layer) 1st class	day	0.08	784.00	62.72
0115	Coolie	day	0.08	645.00	51.60
9988	Sundries including carriage	L.S.	5.00	2.12	10.60
	TOTAL				193.32 W
	Add 1 % Water charges on "W"				1.93
	TOTAL				195.25 X
	Add GST on "X" (multiplying factor 0.1405)				27.43
	TOTAL				222.69 Y
	Add 15% CPOH on "Y"				33.40
	TOTAL				256.09 Z
	Add Cess @ 1% on "Z"				2.56
	Cost for 1 sqm				258.65
	Say				258.65

11.48.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8682	Details of cost for 1 sqm MATERIAL Epoxy Grout	Kg	0.15	380.00	57.00
0123	LABOUR Mason (brick layer) 1st class	day	0.06	784.00	47.04
0115	Coolie	day	0.06	645.00	38.70
9988	Sundries including carriage	L.S.	5.00	2.12	10.60
	TOTAL				153.34 W
	Add 1 % Water charges on "W"				1.53
	TOTAL				154.87 X
	Add GST on "X" (multiplying factor 0.1405)				21.76
	TOTAL				176.63 Y
	Add 15% CPOH on "Y"				26.49
	TOTAL				203.13 Z
	Add Cess @ 1% on "Z"				2.03
	Cost for 1 sqm				205.16
	Say				205.15

11.48.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8682	Details of cost for 1 sqm MATERIAL Epoxy Grout	Kg	0.11	380.00	41.80
0123	LABOUR Mason (brick layer) 1st class	day	0.04	784.00	31.36
0115	Coolie	day	0.04	645.00	25.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	5.00	2.12	10.60 109.56 W 1.10 110.66 X 15.55 126.20 Y 18.93 145.13 Z 1.45 146.58 146.60

11.49 Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).

11.49.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8620	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 50 x 50 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
9977	Vitrified floor tile 50x50 cm	sqm	1.025	500.00	512.50
8731	Carriage of tiles	L.S.	6.24	2.12	13.23
	High polymer modified quickset tile adhesive. LABOUR	per kg	10.00	9.00	90.00
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.40	645.00	258.00
9988	Sundries including carriage of quick set polymer etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.12	57.05 1087.58 W 10.88 1098.45 X 154.33 1252.79 Y 187.92 1440.70 Z 14.41 1455.11 1455.10

11.49.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 60 x 60 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8621	Vitrified floor tile 60x60 cm	sqm	1.025	560.00	574.00
9977	Carriage of tiles	L.S.	6.24	2.12	13.23
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.40	645.00	258.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.12	57.05
	TOTAL				1149.08 W
	Add 1 % Water charges on "W"				11.49
	TOTAL				1160.57 X
	Add GST on "X" (multiplying factor 0.1405)				163.06
	TOTAL				1323.63 Y
	Add 15% CPOH on "Y"				198.54
	TOTAL				1522.17 Z
	Add Cess @ 1% on "Z"				15.22
	Cost for 1 sqm				1537.39
	Say				1537.40

11.49.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 80 x 80 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8622	Vitrified floor tile 80x80 cm	sqm	1.025	900.00	922.50
9977	Carriage of tiles	L.S.	6.24	2.12	13.23
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.40	645.00	258.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage of quick set polymer etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.12	57.05 1497.58 W 14.98 1512.55 X 212.51 1725.07 Y 258.76 1983.83 Z 19.84 2003.67 2003.65

11.49.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8623	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 100 x 100 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm	sqm	1.025	1390.00	1424.75
9977	Vitrified floor tile 100x100 cm	L.S.	6.24	2.12	13.23
8731	Carriage of tiles High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
0123	LABOUR Mason (brick layer) 1st class	day	0.20	784.00	156.80
0115	Coolie	day	0.40	645.00	258.00
9988	Sundries including carriage of quick set polymer etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.12	57.05 1999.83 W 20.00 2019.83 X 283.79 2303.61 Y 345.54 2649.15 Z 26.49 2675.65 2675.65

11.50 Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 1 sqm MATERIAL Mortar for pointing in white cement with matching pigment	L.S.	3.12	2.12	6.61
9999	LABOUR TOTAL Add 1 % Water charges on "W"	L.S.	1.00	2.12	2.12
	TOTAL Add GST on "X" (multiplying factor 0.1405)				8.73 W
	TOTAL Add 15% CPOH on "Y"				0.09
	TOTAL Add Cess @ 1% on "Z"				8.82 X
	Cost for 1 sqm				1.24
	Say				10.06 Y
					1.51
					11.57 Z
					0.12
					11.69
					11.70

11.51 Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.

11.51.1 18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1240	Details of cost per 10 sqm MATERIAL 18 mm thick italian marble stone slab 10.00 sqm Add for wastage 15% = 1.50 sqm Total: 11.50 sqm				
3.9	18 mm thick Italian Marble stone slab, Base mortar 1:4 (1 cement : 4 coarse sand) Rate as per Item No.3.9 of SH: MORTARS Cement for slurry @, 4.4 kg/sqm (i) for bedding= 44 kg+ (ii) for jointing= 6 kg Total= 50 kg White Cement	sqm	11.50	3209.00	36903.50
	Carriage of white Cement	cum	0.224	4355.20	975.56
0368	carriage of marble slab	tonne	0.05	11200.00	560.00
2209		tonne	0.05	145.72	7.29
9999		L.S.	26.91	2.12	57.05

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR :				
	(for finishing , polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	784.00	940.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	714.00	3570.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9999	Mortar for pointing in white cement	L.S.	25.74	2.12	54.57
	TOTAL				45558.77 W
	Add 1 % Water charges on "W"				455.59
	TOTAL				46014.36 X
	Add GST on "X" (multiplying factor 0.1405)				6465.02
	TOTAL				52479.37 Y
	Add 15% CPOH on "Y"				7871.91
	TOTAL				60351.28 Z
	Add Cess @ 1% on "Z"				603.51
	Cost of 10 sqm.				60954.79
	Cost of 1 sqm.				6095.48
	Say				6095.50

11.52 Providing and laying machine cut, mirror polished Marble stone flooring, in required design (Simple geometrical, abstract etc.) and in patterns in combination with Italian marble stones of different colours, shades and finished surface texture etc., in linear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm, including pointing with white cement slurry admixed with pigment to match the marble shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.

11.52.1 18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1240 3.9	Details of cost per 10 sqm MATERIAL 18 mm thick italian marble stone slab 10.00 sqm Add for wastage 20%= 2 sqm Total: 12 sqm 18 mm thick Italian Marble stone slab, Base mortar1:4 (1 cement : 4 coarse sand) Rate as per Item No.3.9 of SH: MORTARS Cemnt for slurry@, 4.4 kg/sqm (i) for bedding=44 kg+ (ii) for jointing= 6 kg Total=50 kg	sqm	12.00	3209.00	38508.00
		cum	0.224	4355.20	975.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0368	White Cement	tonne	0.05	11200.00	560.00
2209	Carriage of white Cement	tonne	0.05	145.72	7.29
9999	carriage of marble slab	L.S.	26.91	2.12	57.05
	LABOUR :				
	(for finishing , polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.75	784.00	1372.00
0114	Beldar	day	1.25	645.00	806.25
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	714.00	3570.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9999	Mortar for pointing in white cement	L.S.	25.74	2.12	54.57
	TOTAL				47755.72 W
	Add 1 % Water charges on "W"				477.56
	TOTAL				48233.28 X
	Add GST on "X" (multiplying factor 0.1405)				6776.78
	TOTAL				55010.05 Y
	Add 15% CPOH on "Y"				8251.51
	TOTAL				63261.56 Z
	Add Cess @ 1% on "Z"				632.62
	Cost of 10 Sq.m.				63894.17
	Cost of 1 Sq.m.				6389.42
	Say				6389.40

11.53 Providing and fixing Glass mosaic tiles on finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design , fixing in customize design as per direction of Engineer-in- Charge. The glass mosaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge:

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost per 8 sqm MATERIAL Glass mosaic tiles (20 mm x 20 mm x 4mm) Add for wastage 2.5% = 0.2 sqm Total: 8.20 sqm				
1242	Glass mosaic tiles (20 mm x 20 mm x 4 mm)	sqm	8.20	2049.00	16801.80
1243	Tile fixing chemical adhesive	kg	20.00	8.70	174.00
1244	Cement Polymer Grout Compound	kg	10.00	13.00	130.00
1245	Acid for cleaning tiles	litre	4.00	18.00	72.00
9999	carriage of marble slab	L.S.	49.92	2.12	105.83
	LABOUR :				
	(for finishing , polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.60	784.00	1254.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115 9999	Coolie Sundries including carriage of adhesive etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 8.00 sqm Cost for 1.00 sqm Say	day L.S.	1.60 26.91	645.00 2.12	1032.00 57.05 19627.08 W 196.27 19823.35 X 2785.18 22608.53 Y 3391.28 25999.81 Z 260.00 26259.81 3282.48 3282.50

11.54 Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50 mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of:

- (a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25 mm outer diameter, fully welded on to the G.I. Base plate of size 100mm x 100mm x 3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3.5 mm welded with GI fully threaded stud 16mm outer diameter with two GI Check nuts screwed on the stud for level adjustment upto 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base) through base plate using epoxy based adhesive of approved make or the machine screw with rawl plug.
- (b) Stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid, rigid support for access floor panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-in-charge.
- (c) Providing and fixing Access Floor panel of 600x600x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be Corroresist epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip noncombustible Portland cementitious core mixed with lightweight foaming compound. The

access floor shall be factory finished with Anti-static High Pressure laminate with Non Warp technology upto 1mm thickness for superior adhesion and Surface flatness within 0.75mm. The panel is to withstand a Concentrated Load of 363 kgs applied on area 25mm x 25mm without collapse in the centre of the panel which is placed on four steel blocks. The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250 kg/sqm and an impact load of 50kg all complete as per the approved manufacturers specification and as per the direction of Engineer-in-charge. All specification must be printed on the side of the panel to ensure the quality of the product.

11.54.1 300 mm Finished Floor Height (FFH)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2711	Details of Cost for : 100.00 Sqm MATERIALS : FS800H Grade Flooring Panel (i/c) 5% wastage	each	292.00	740.00	216080.00
2712	Zinc Electroplated Pedestals - 300 mm	each	360.00	145.00	52200.00
2714	Zinc Electroplated Tube Stinger	each	570.00	70.00	39900.00
2715	Machine Screw for Fixing	each	1140.00	3.00	3420.00
7048	Rawl Plug fl0or pedestal grouting on floor	each	1440.00	22.00	31680.00
9999	Carriage of material LABOUR :	L.S.	490.00	2.12	1038.80
0111	Carpenter 1st class	day	25.00	784.00	19600.00
0114	Beldar	day	25.00	645.00	16125.00
9999	Sundries	L.S.	329.00	2.12	697.48
	TOTAL				380741.28 W
	Add 1 % Water charges on "W"				3807.41
	TOTAL				384548.69 X
	Add GST on "X" (multiplying factor 0.1405)				54029.09
	TOTAL				438577.78 Y
	Add 15% CPOH on "Y"				65786.67
	TOTAL				504364.45 Z
	Add Cess @ 1% on "Z"				5043.64
	Cost of 100 sqm.				509408.10
	Cost of 1 sqm				5094.08
	Say				5094.10

11.54.2 450 mm Finished Floor Height (FFH).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2711	Details of Cost for : 100.00 Sqm MATERIALS : FS800H Grade Flooring Panel	each	292.00	740.00	216080.00
2713	Zinc Electroplated Pedestals - 450 mm	each	360.00	210.00	75600.00
2714	Zinc Electroplated Tube Stinger	each	570.00	70.00	39900.00
2715	Machine Screw for Fixing	each	1140.00	3.00	3420.00
7048	Rawl plug 50 mm (designation 10 no.)	each	1440.00	22.00	31680.00
9999	Carriage of material LABOUR :	L.S.	490.00	2.12	1038.80
0111	Carpenter 1st class	day	25.00	784.00	19600.00
0114	Beldar	day	25.00	645.00	16125.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 100 sqm. Cost of 1 sqm Say	L.S.	329.00	2.12	697.48 404141.28 W 4041.41 408182.69 X 57349.67 465532.36 Y 69829.85 535362.22 Z 5353.62 540715.84 5407.16 5407.15

- 11.55** Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :
- 11.55.1** Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1239	Details of cost for 10 sqm. MATERIAL 18mm thick - Flamed finish granite slab = 10.00 sqm+Add for wastage 15% =1.50 sqm, Total 11.50 sqm 18 mm thick Flamed finish granite stone slab	sqm	11.50	1000.00	11500.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	145.72	97.63
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.05	5000.00	250.00
0874	Black colour dark shade pigment	kilogram	4.50	70.00	315.00
2209	Carriage of Cement	tonne	0.05	145.72	7.29
9999	Mortar for pointing in white cement	L.S.	25.35	2.12	53.74
	LABOUR :				
0124	Mason (brick layer) 2nd class	day	1.20	714.00	856.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	714.00	3570.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm Cost of 1 sqm Say	L.S.	208.13	2.12	441.24 19357.26 W 193.57 19550.83 X 2746.89 22297.73 Y 3344.66 25642.38 Z 256.42 25898.81 2589.88 2589.90

11.56 Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.

11.56.1 Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7298	Details of cost for 10.00 sqm MATERIAL 18 mm thick polished finish granite stone slab 10.00 sqm + 1.50 (Add for wastage 15%)= 11.50 sqm 18 mm thick Polished finish granite stone slab of colour Black, Cherry/ Ruby Red (slab area above 0.5 sqm)	sqm	11.50	2000.00	23000.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	145.72	97.63
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.05	5000.00	250.00
0874	Black colour dark shade pigment	kilogram	4.50	70.00	315.00
2209	Carriage of Cement	tonne	0.05	145.72	7.29
9999	Mortar for pointing in white cement (11.22) LABOUR :	L.S.	25.35	2.12	53.74
0124	Mason (brick layer) 2nd class	day	1.20	714.00	856.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	2.00	714.00	1428.00
0019	Machine for cutting (hand grinding)	day	2.00	250.00	500.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 sqm Cost of 1 sqm Say	L.S.	208.13	2.12	441.24 29215.26 W 292.15 29507.41 X 4145.79 33653.20 Y 5047.98 38701.19 Z 387.01 39088.20 3908.82 3908.80

11.56.2 Polished Granite stone slab of all colour and texture except Black, Cherry/Ruby Red

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7299	Details of cost for 10.00 sqm MATERIAL 18 mm thick polished finish granite stone slab 10.00 sqm + 1.50 (Add for wastage 15%)= 11.50 sqm 18 mm thick Polished finish granite stone slab of all colour and texture except Black, Cherry/Ruby Red (slab area more than 0.5 sqm)	sqm	11.50	1200.00	13800.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	145.72	97.63
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.224	4355.20	975.56
0367	Portland Cement	tonne	0.05	5000.00	250.00
0874	Black colour dark shade pigment	kilogram	4.50	70.00	315.00
2209	Carriage of Cement	tonne	0.05	145.72	7.29
9999	Mortar for pointing in white cement (11.22) LABOUR :	L.S.	25.35	2.12	53.74
0124	Mason (brick layer) 2nd class	day	1.20	714.00	856.80
0114	Beldar	day	1.00	645.00	645.00
0115	Coolie	day	1.00	645.00	645.00
0139	Skilled Beldar (for floor rubbing etc.)	day	2.00	714.00	1428.00
0019	Machine for cutting (hand grinding)	day	2.00	250.00	500.00
9999	Sundries	L.S.	208.13	2.12	441.24
	TOTAL				20015.26 W
	Add 1 % Water charges on "W"				200.15
	TOTAL				20215.41 X
	Add GST on "X" (multiplying factor 0.1405)				2840.27
	TOTAL				23055.68 Y
	Add 15% CPOH on "Y"				3458.35
	TOTAL				26514.03 Z
	Add Cess @ 1% on "Z"				265.14
	Cost of 10 sqm				26779.17
	Cost of 1 sqm				2677.92
	Say				2677.90

SUB HEAD : 12.0

ROOFING

12.1 Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.

12.1.1 1.00 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3050 2302	Details of cost for a roof with each sloping side 18.09x5.10m and slope being flatter than 1 vertical to 2.5 horizontal Area of roof = 2x18.09x5.10 = 184.518 sqm. MATERIAL C.G.S. sheets 2x27 =54 nos. of size 2.5x0.9 metre @19.35 Kg each =1044.90Kg. 2x27=54 nos. of size 2.8x0.9@21.67kg. each =1170.18Kg.+ Total = 2215.08Kg.+ Add 5% Wastage = 110.75Kg. Total = 2325.83 Kg = 23.26 quintals Galvanised steel corrugated sheets Carriage of G.I. sheet and accessories G.I.Seam bolts and nuts 60cm centre to centre zig-zag i.e. 30cm centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.	quintal tonne	23.26 2.326	6000.00 145.72	139560.00 338.94
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots G.I.,J or L hooks 8mm dia. (No. of purlins to be used 5 on either side) 2x5x27 (No. of sheets)x23 nos. of bolts in each sheet = 810 nos.	10 Nos	88.40	38.00	3359.20
1023 1207	Galvanised steel J or L hooks 8 mm dia G.I. Limpet washer (total of seam and J bolts) 884+810=1694	10 Nos 100 Nos	81.00 16.94	120.00 21.00	9720.00 355.74
1208 9977 9999 0130	Bitumen washer Carriage of bolts and washers Sundries LABOUR Mistry	100 Nos L.S. L.S. day	16.94 26.91 53.82 1.30	30.00 2.12 2.12 784.00	508.20 57.05 114.10 1019.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	Carpenter 2nd class	day	15.50	714.00	11067.00
0114	Beldar	day	15.50	645.00	9997.50
4202	Red oxide Zinc chromate primer	litre	2.53	120.00	303.60
9977	Carriage of material	L.S.	0.52	2.12	1.10
0131	Painter	day	1.13	714.00	806.82
0115	Coolie	day	1.13	645.00	728.85
9999	Brushes, sand papers i/c sundries	L.S.	50.57	2.12	107.21
0845	Roofing paint for iron sheets in red colour	litre	3.75	120.00	450.00
9977	Carriage of paint	L.S.	6.76	2.12	14.33
0131	Painter	day	2.53	714.00	1806.42
0115	Coolie	day	2.53	645.00	1631.85
9999	Brushes and Sandpapers	L.S.	31.98	2.12	67.80
9999	Sundries	L.S.	38.09	2.12	80.75
	TOTAL				182095.66 W
	Add 1 % Water charges on "W"				1820.96
	TOTAL				183916.62 X
	Add GST on "X" (multiplying factor 0.1405)				25840.29
	TOTAL				209756.90 Y
	Add 15% CPOH on "Y"				31463.54
	TOTAL				241220.44 Z
	Add Cess @ 1% on "Z"				2412.20
	Cost of 184.518 Sqm.				243632.64
	Cost of 1 Sqm.				1320.37
	Say				1320.35

12.1.2 0.80 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	<p>Details of cost for a roof with each sloping side 18.09x5.10m and slope being flatter than 1 vertical to 2.5 horizontal</p> <p>Area of roof = $2 \times 18.09 \times 5.1$ = 184.518 sqm.</p> <p>Details of length and breadth.</p> <p>Length 26(laps) $\times 0.135$(each lap)=3.51</p> <p>Width of Corrugator sheet with 10 corrugation measured end to end = 0.8 metres</p> <p>27 (nos. of sheets) $\times 0.80$ (width of sheet) = 21.60 length</p> <p>Less laps = 3.51</p> <p>Length = 18.09</p> <p>Breadth on one side-</p> <p>C.G.S. Sheet 1 No. of = 2.5 metres length+</p> <p>C.G.S. Sheet 1 No. of = 2.8 metres length</p> <p>Total = 5.3 metres</p>				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Deduct end lap of 20cm (-)0.2 metres breadth = 5.1m MATERIAL C.G.S. Sheets 0.8mm thick $2 \times 27 = 54$ nos. @ 15.82Kg.each Total = 854.38Kg(X) 2.5mx0.9m is the size of plain G.I.sheet which on being corrugated will become 2.5mx0.8m (The size of plain sheet is taken because the weight is available only of plain sheets) (Refer I.S. Code 277-1962) $2 \times 27 = 54$ nos. of size. $2.8 \times 0.9 @ 17.72 \text{Kg each} = 956.8 \text{Kg (Y)}$ Total of (X)+(Y) = 1811.16Kg. Add wastage @5% = 90.56Kg. Total = 1901.72Kg = 19.02q				
3050	Galvanised steel corrugated sheets	quintal	19.02	6000.00	114120.00
2302	Carriage of G.I. sheet and accessories G.I. scam bolts and nuts 60cm centre to centre zig zag i.e. 30cm. centre to centre straight Breadth is 5.1metre No. of bolts in one lap $5.1 / 0.3 = 17$ nos. $2 \times 26 (\text{laps}) \times 17 \text{ nos.} = 884 \text{ nos.}$	tonne	1.902	145.72	277.16
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	88.40	38.00	3359.20
1023	Galvanised steel J or L hooks 8 mm dia (No. of purlins to be used 5 on either side) $2 \times 5 \times 27$ (No. of sheets)x23 Nos. of bolts in each sheet = 810 Nos	10 Nos	81.00	120.00	9720.00
1207	G.I. Limpet washer (total of seam and J bolts) $884 + 810 = 1694$	100 Nos	16.94	21.00	355.74
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	53.82	2.12	114.10
	LABOUR				
0130	Mistry	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	15.50	714.00	11067.00
0114	Beldar	day	15.50	645.00	9997.50
4202	Red oxide Zinc chromate primer	litre	2.53	120.00	303.60
9977	Carriage of material	L.S.	0.52	2.12	1.10
0131	Painter	day	1.13	714.00	806.82
0115	Coolie	day	1.13	645.00	728.85
9999	Brushes, sand papers i/c sundries	L.S.	50.57	2.12	107.21
0845	Roofing paint for iron sheets in red colour	litre	3.75	120.00	450.00
9977	Carriage of paint	L.S.	6.76	2.12	14.33

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0131	Painter	day	2.53	714.00	1806.42
0115	Coolie	day	2.53	645.00	1631.85
9999	Brushes and Sandpapers	L.S.	31.98	2.12	67.80
9999	Sundries	L.S.	38.09	2.12	80.75
	TOTAL				156593.88 W
	Add 1 % Water charges on "W"				1565.94
	TOTAL				158159.82 X
	Add GST on "X" (multiplying factor 0.1405)				22221.45
	TOTAL				180381.27 Y
	Add 15% CPOH on "Y"				27057.19
	TOTAL				207438.46 Z
	Add Cess @ 1% on "Z"				2074.38
	Cost of 184.518 Sqm.				209512.85
	Cost of 1 Sqm.				1135.46
	Say				1135.45

12.1.3 0.63 mm thick with zinc coating not less than 275 gm/ m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	<p>Details of cost for a roof with each sloping side 18.09x5.10m and slope being flatter than 1 vertical to 2.5 horizontal</p> <p>Area of roof = $2 \times 18.09 \times 5.1$ = 184.518 sqm.</p> <p>Details of length and breadth.</p> <p>Length = $26(\text{laps}) \times 0.135(\text{each lap}) = 3.51$</p> <p>Width of Corrugator sheet with 10 corrugation measured end to end = 0.8 metres</p> <p>27 (nos. of sheets) $\times 0.80$ (width of sheet) = 21.60 length</p> <p>Less laps = 3.51</p> <p>Length = 18.09</p> <p>Breadth on one side-</p> <p>C.G.S. Sheet 1 No. of = 2.5 metres length+</p> <p>C.G.S. Sheet 1 No. of = 2.8 metres length = 5.3 metres</p> <p>Deduct end lap of 20cm (-)0.2 metres breadth = 5.1m</p> <p>MATERIAL</p> <p>C.G.S. Sheets 0.63 mm thick $2 \times 27 = 54$ nos. @ 12.82Kg.each = 692.28 Kg(X)</p> <p>2.5mx0.9m is the size of plain G.I.sheet which on being corrugated will become 2.5mx0.8m</p> <p>(The size of plain sheet is taken because the weight is available only of plain sheets)</p>				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	(Refer I.S. Code 277-1962) 2x27=54nos. of size. 2.8x0.9@13.38Kg each = 775.44Kg (Y) Total of (X)+(Y) = 1467.72Kg. Add wastage @5% = 73.39Kg. Total = 1541.11Kg = 15.41q				
3050 2302	Galvanised steel corrugated sheets Carriage of G.I. sheet and accessories G.I. scam bolts and nuts 60cm centre to centre zig zag i.e. 30cm. centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.	quintal tonne	15.41 1.54	6000.00 145.72	92460.00 224.41
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	88.40	38.00	3359.20
1023	Galvanised steel J or L hooks 8 mm dia (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 Nos. of bolts in each sheet = 810 Nos	10 Nos	81.00	120.00	9720.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	21.00	355.74
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	53.82	2.12	114.10
	LABOUR				
0130	Mistry	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	15.50	714.00	11067.00
0114	Beldar	day	15.50	645.00	9997.50
4202	Red oxide Zinc chromate primer	litre	2.53	120.00	303.60
9977	Carriage of material	L.S.	0.52	2.12	1.10
0131	Painter	day	1.13	714.00	806.82
0115	Coolie	day	1.13	645.00	728.85
9999	Brushes, sand papers i/c sundries	L.S.	50.57	2.12	107.21
0845	Roofing paint for iron sheets in red colour	litre	3.75	120.00	450.00
9977	Carriage of paint	L.S.	6.76	2.12	14.33
0131	Painter	day	2.53	714.00	1806.42
0115	Coolie	day	2.53	645.00	1631.85
9999	Brushes and Sandpapers	L.S.	31.98	2.12	67.80
9999	Sundries	L.S.	38.09	2.12	80.75
	TOTAL				134881.13 W
	Add 1 % Water charges on "W"				1348.81
	TOTAL				136229.94 X
	Add GST on "X" (multiplying factor 0.1405)				19140.31
	TOTAL				155370.24 Y
	Add 15% CPOH on "Y"				23305.54
	TOTAL				178675.78 Z
	Add Cess @ 1% on "Z"				1786.76
	Cost of 184.518 Sqm.				180462.54
	Cost of 1 Sqm.				978.02
	Say				978.00

12.2 Extra for straight cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter for chimney stacks, sky light etc.:
12.2.1 1.00 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3 metres periphery Assuming a hole of 10dmx5dm area of the hole 50dm ² and the perimeter of the hole 3 metre LABOUR				
0102	Blacksmith 1st class	day	0.15	784.00	117.60
0114	Beldar	day	0.15	645.00	96.75
	TOTAL				214.35 W
	Add 1 % Water charges on "W"				2.14
	TOTAL				216.49 X
	Add GST on "X" (multiplying factor 0.1405)				30.42
	TOTAL				246.91 Y
	Add 15% CPOH on "Y"				37.04
	TOTAL				283.95 Z
	Add Cess @ 1% on "Z"				2.84
	Cost of 3.00 metres				286.79
	Cost of 1.00 metre				95.60
	Say				95.60

12.2.2 0.80 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3 metres periphery Assuming a hole of 10dmx5dm area of the hole 50dm ² and the perimeter of the hole 3 metre LABOUR				
0102	Blacksmith 1st class	day	0.12	784.00	94.08
0114	Beldar	day	0.12	645.00	77.40
	TOTAL				171.48 W
	Add 1 % Water charges on "W"				1.71
	TOTAL				173.19 X
	Add GST on "X" (multiplying factor 0.1405)				24.33
	TOTAL				197.53 Y
	Add 15% CPOH on "Y"				29.63
	TOTAL				227.16 Z
	Add Cess @ 1% on "Z"				2.27
	Cost of 3.00 metres				229.43
	Cost of 1.00 metre				76.48
	Say				76.50

12.2.3 0.63 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3 metres periphery Assuming a hole of 10dmx5dm area of the hole 50dm ² and the perimeter of the hole 3 metre LABOUR				
0102	Blacksmith 1st class	day	0.12	784.00	94.08
0114	Beldar	day	0.12	645.00	77.40
	TOTAL				171.48 W
	Add 1 % Water charges on "W"				1.71
	TOTAL				173.19 X
	Add GST on "X" (multiplying factor 0.1405)				24.33
	TOTAL				197.53 Y
	Add 15% CPOH on "Y"				29.63
	TOTAL				227.16 Z
	Add Cess @ 1% on "Z"				2.27
	Cost of 3.00 metres				229.43
	Cost of 1.00 metre				76.48
	Say				76.50

12.3 Extra for circular cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter:

12.3.1 1.00 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 holes of 0.5 metre dia-metre Perimetre of 10 nos $10 \times 22/7 \times 0.5$ = 15.71 metre LABOUR				
0102	Blacksmith 1st class	day	3.13	784.00	2453.92
0114	Beldar	day	6.26	645.00	4037.70
	TOTAL				6491.62 W
	Add 1 % Water charges on "W"				64.92
	TOTAL				6556.54 X
	Add GST on "X" (multiplying factor 0.1405)				921.19
	TOTAL				7477.73 Y
	Add 15% CPOH on "Y"				1121.66
	TOTAL				8599.39 Z
	Add Cess @ 1% on "Z"				85.99
	Cost of 15.71 metres				8685.38
	Cost of 1.00 metre				552.86
	Say				552.85

12.3.2 0.80 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 holes of 0.5 metre dia-metre Perimetre of 10 nos $10 \times 22 / 7 \times 0.5$ = 15.71 metre LABOUR				
0102	Blacksmith 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	5.00	645.00	3225.00
	TOTAL				5185.00 W
	Add 1 % Water charges on "W"				51.85
	TOTAL				5236.85 X
	Add GST on "X" (multiplying factor 0.1405)				735.78
	TOTAL				5972.63 Y
	Add 15% CPOH on "Y"				895.89
	TOTAL				6868.52 Z
	Add Cess @ 1% on "Z"				68.69
	Cost of 15.71 metres				6937.21
	Cost of 1.00 metre				441.58
	Say				441.60

12.3.3 0.63 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 holes of 0.5 metre dia-metre Perimetre of 10 nos $10 \times 22 / 7 \times 0.5$ = 15.71 metre LABOUR				
0102	Blacksmith 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	5.00	645.00	3225.00
	TOTAL				5185.00 W
	Add 1 % Water charges on "W"				51.85
	TOTAL				5236.85 X
	Add GST on "X" (multiplying factor 0.1405)				735.78
	TOTAL				5972.63 Y
	Add 15% CPOH on "Y"				895.89
	TOTAL				6868.52 Z
	Add Cess @ 1% on "Z"				68.69
	Cost of 15.71 metres				6937.21
	Cost of 1.00 metre				441.58
	Say				441.60

12.4 Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete.

12.4.1 0.80 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.35 metres long ridge 0.80mm thick with zinc coating not less than 275gm/m ² Consider the length of the ridge 10.35 metres. The ridge will be made out of plain G.I. Sheets 0.9mx1.8m Three pieces will be 0.9m long and 0.60m wide overlapping 22.5cm. MATERIAL G.I. plain sheets 0.80 thick 1.80x0.90m size 5 nos. @ 11.39Kg. sheet = 56.95Kg + Add 2% wastage = 1.14 Kg. Total = 58.09 Kg. or 0.58 q.				
0992	Galvanised steel plain sheets	quintal	0.58	5000.00	2900.00
2302	Carriage of G.I. sheet and accessories	tonne	0.058	145.72	8.45
0222	Seam bolts and nuts 6 mm dia and 25 mm long 25mmx6mm (There are 14 joints)	10 Nos	2.80	10.00	28.00
1211	G.I. plain washer for seam bolts	100 Nos	0.28	32.00	8.96
1208	Bitumen washer	100 Nos	0.28	30.00	8.40
9977	Carriage of seam bolts and washers	L.S.	1.82	2.12	3.86
9999	Sundries	L.S.	13.52	2.12	28.66
	LABOUR				
0130	Mistry	day	0.40	784.00	313.60
0102	Blacksmith 1st class	day	1.20	784.00	940.80
0103	Blacksmith 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	2.40	645.00	1548.00
	TOTAL				6359.93 W
	Add 1 % Water charges on "W"				63.60
	TOTAL				6423.53 X
	Add GST on "X" (multiplying factor 0.1405)				902.51
	TOTAL				7326.04 Y
	Add 15% CPOH on "Y"				1098.91
	TOTAL				8424.94 Z
	Add Cess @ 1% on "Z"				84.25
	Cost of 10.35 metres				8509.19
	Cost of 1.00 metre				822.14
	Say				822.15

12.4.2 0.63 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.35 metre long ridge. G.I. plain sheets 0.63mm thick 1.8x0.9m size 5 nos. @9.23 Kg. per sheet = 46.15 Kg. + Add 2% wastage = 0.91 Kg. Total = 47.07 Kg. Say 47 Kg.				
0992	Galvanised steel plain sheets	quintal	0.47	5000.00	2350.00
2302	Carriage of G.I. sheet and accessories	tonne	0.047	145.72	6.85
0222	Seam bolts and nuts 6 mm dia and 25 mm long 25mmx6mm (There are 14 joints)	10 Nos	2.80	10.00	28.00
1211	G.I. plain washer for seam bolts	100 Nos	0.28	32.00	8.96
1208	Bitumen washer	100 Nos	0.28	30.00	8.40
9977	Carriage of seam bolts and washers	L.S.	1.82	2.12	3.86
9999	Sundries	L.S.	13.52	2.12	28.66
	LABOUR				
0130	Mistry	day	0.40	784.00	313.60
0102	Blacksmith 1st class	day	1.20	784.00	940.80
0103	Blacksmith 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	2.40	645.00	1548.00
	TOTAL				5808.33 W
	Add 1 % Water charges on "W"				58.08
	TOTAL				5866.41 X
	Add GST on "X" (multiplying factor 0.1405)				824.23
	TOTAL				6690.64 Y
	Add 15% CPOH on "Y"				1003.60
	TOTAL				7694.24 Z
	Add Cess @ 1% on "Z"				76.94
	Cost of 10.35 metres				7771.18
	Cost of 1.00 metre				750.84
	Say				750.85

12.5 Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete :

12.5.1 1.60 mm thick with zinc coating not less than 350 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9.325m MATERIAL G.I. plain sheets 2.5x0.9m 4 nos. @ 29.95Kg/sheet =119.80Kg.+ Add 2% wastage = 2.40Kg. Total = 122.20 kg. or 1.222q.				
0992	Galvanised steel plain sheets	quintal	1.222	5000.00	6110.00
2302	Carriage of G.I. sheet and accessories	tonne	0.12	145.72	17.49

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0222	Seam bolts and nuts 6 mm dia and 25 mm long 25mmx6mm (There are 14 joints)	10 Nos	1.20	10.00	12.00
1211	G.I. plain washer for seam bolts	100 Nos	0.12	32.00	3.84
1208	Bitumen washer	100 Nos	0.12	30.00	3.60
9977	Carriage of bolts, nuts and washers	L.S.	0.91	2.12	1.93
9999	Sundries	L.S.	13.52	2.12	28.66
	LABOUR				
0130	Mistry	day	0.40	784.00	313.60
0102	Blacksmith 1st class	day	1.20	784.00	940.80
0103	Blacksmith 2nd class	day	0.80	714.00	571.20
0114	Beldar	day	2.40	645.00	1548.00
	TOTAL				9551.12 W
	Add 1 % Water charges on "W"				95.51
	TOTAL				9646.63 X
	Add GST on "X" (multiplying factor 0.1405)				1355.35
	TOTAL				11001.98 Y
	Add 15% CPOH on "Y"				1650.30
	TOTAL				12652.28 Z
	Add Cess @ 1% on "Z"				126.52
	Cost of 9.325 metres				12778.80
	Cost of 1.00 metre				1370.38
	Say				1370.40

12.6 Providing and fixing of 40 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts, G.I. limpet and bitumen washer complete, bent to shape and fixed in wall with cement mortar 1:3 (1 cement : 3 coarse sand).

12.6.1 1.00 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 12.125m Consider a length of flashing 12.125 metres. MATERIAL G.I. plain sheet 1.25mm thick 3.2x0.75m 2 nos. @ 20.64 Kg. = 41.28 Kg.+ Add 2% wastage = 0.83 Kg Total = 42.11 Kg. or 0.4211 quintal				
0992	Galvanised steel plain sheets	quintal	0.4211	5000.00	2105.50
2302	Carriage of G.I. sheet and accessories	tonne	0.041	145.72	5.97
0222	Seam bolts and nuts 6 mm dia and 25 mm long (taking 2 bolts per joints)	10 Nos	0.60	10.00	6.00
1207	G.I. Limpet washer	100 Nos	0.06	21.00	1.26
1208	Bitumen washer	100 Nos	0.06	30.00	1.80
9977	Carriage of G.I. seam bolts and washers	L.S.	0.39	2.12	0.83
9999	Sundries	L.S.	10.79	2.12	22.87

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0130	LABOUR				
0130	Mistry	day	0.50	784.00	392.00
0102	Blacksmith 1st class	day	1.48	784.00	1160.32
0103	Blacksmith 2nd class	day	1.00	714.00	714.00
0114	Beldar	day	3.00	645.00	1935.00
	TOTAL				6345.56 W
	Add 1 % Water charges on "W"				63.46
	TOTAL				6409.01 X
	Add GST on "X" (multiplying factor 0.1405)				900.47
	TOTAL				7309.48 Y
	Add 15% CPOH on "Y"				1096.42
	TOTAL				8405.90 Z
	Add Cess @ 1% on "Z"				84.06
	Cost of 12.125 metres				8489.96
	Cost of 1.00 metre				700.20
	Say				700.20

12.7 Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.

12.7.1 0.80 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9.04m 0.80mm thick with zinc coating not less than 275gm/m ² Consider a length of 9.04m Sheet used = 2.5x0.90m = 2 nos. Wt. = 2x15.82=31.64 Kg. = 0.3164q Total = 0.3164quintal MATERIAL				
0992	Galvanised steel plain sheets	quintal	0.3164	5000.00	1582.00
2302	Carriage of G.I. sheet and accessories	tonne	0.0316	145.72	4.60
1008	Flats upto 10 mm in thickness	quintal	0.0749	4850.00	363.27
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	2.00	38.00	76.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	30.00	9.00	270.00
1210	G.I. plain washer thin	100 Nos	0.70	21.00	14.70
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of G.I. seam bolts and washers	L.S.	2.73	2.12	5.79
9999	Sundries	L.S.	5.33	2.12	11.30
	LABOUR				
0102	Blacksmith 1st class	day	0.50	784.00	392.00
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries	L.S.	12.61	2.12	26.73
0130	Mistry	day	0.28	784.00	219.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0102	Blacksmith 1st class	day	0.84	784.00	658.56
0112	Carpenter 2nd class	day	0.62	714.00	442.68
0114	Beldar	day	1.68	645.00	1083.60
	TOTAL				5485.25 W
	Add 1 % Water charges on "W"				54.85
	TOTAL				5540.10 X
	Add GST on "X" (multiplying factor 0.1405)				778.38
	TOTAL				6318.49 Y
	Add 15% CPOH on "Y"				947.77
	TOTAL				7266.26 Z
	Add Cess @ 1% on "Z"				72.66
	Cost of 9.04 metres				7338.92
	Cost of 1.00 metre				811.83
	Say				811.85

12.7.2 0.63 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9.04m 0.63mm thick with zinc coating not less than 275gm/m ² Consider a length of 9.04m Sheet used = 2.5x0.90m = 2 nos. Wt. = 2x11.82=23.64 Kg. = 0.2364q Total = 0.2364quintal MATERIAL				
0992	Galvanised steel plain sheets	quintal	0.2364	5000.00	1182.00
2302	Carriage of G.I. sheet and accessories	tonne	0.0236	145.72	3.44
1008	Flats upto 10 mm in thickness	quintal	0.0749	4850.00	363.27
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	2.00	38.00	76.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	30.00	9.00	270.00
1210	G.I. plain washer thin	100 Nos	0.70	21.00	14.70
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of G.I. seam bolts and washers	L.S.	2.73	2.12	5.79
9999	Sundries	L.S.	5.33	2.12	11.30
	LABOUR				
0102	Blacksmith 1st class	day	0.50	784.00	392.00
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries	L.S.	12.61	2.12	26.73
0130	Mistry	day	0.28	784.00	219.52
0102	Blacksmith 1st class	day	0.84	784.00	658.56
0112	Carpenter 2nd class	day	0.62	714.00	442.68

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 9.04 metres Cost of 1.00 metre Say	day	1.68	645.00	1083.60 5084.08 W 50.84 5134.93 X 721.46 5856.38 Y 878.46 6734.84 Z 67.35 6802.19 752.45 752.45

12.8 Providing reinforced by organic fibres and/or inorganic synthetic fibres cement 6 mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8 mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0223	Details of cost for 216.14 sqm area of roof upto 60° pitch Upto 60 degree pitch Consider a shed of 20x10 metres. (External dimensions of plinth). Area of roof- 20.2x10.70m = 216.14 sqm. MATERIAL Sheets used = 2x20 nos.x3.00mx1.05m =126.00sqm+ 2x20nos.x2.50mx1.05m=105.00sqm. Total = 231.00sqm. + Add 3% wastage = 6.93 Total = 237.93sqm. Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated sheet 6mm thick $2 \times 20 \times 0.42147 = 1.68588 +$ $2 \times 20 \times 0.35123 = 1.4049$ Total = 3.0908+ Add 3 % wastage = 0.092 Total = 3.1835 Say 3.184 t	sqm	237.93	225.00	53534.25
2273	Carriage of A.C.sheet and accessories	tonne	3.184	145.72	463.97
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	47.60	120.00	5712.00
1208	Bitumen washer	100 Nos	4.76	30.00	142.80
1209	G.I. plain washer thick	100 Nos	4.76	35.00	166.60
9977	Carriage of bolts and nuts, washers etc.	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0130	LABOUR				
	Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76
0114	Beldar	day	9.34	645.00	6024.30
	TOTAL				74648.11 W
	Add 1 % Water charges on "W"				746.48
	TOTAL				75394.59 X
	Add GST on "X" (multiplying factor 0.1405)				10592.94
	TOTAL				85987.53 Y
	Add 15% CPOH on "Y"				12898.13
	TOTAL				98885.66 Z
	Add Cess @ 1% on "Z"				988.86
	Cost of 216.14 sqm.				99874.52
	Cost of 1.00 sqm.				462.08
	Say				462.10

12.9 Extra for straight cutting in reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated, semi corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter for chimney stacks, skylights etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3 metres of periphery Area of cutting $0.9\text{m} \times 0.6\text{m} = 0.54\text{sqm}$. Perimeter = 3 metres LABOUR				
0111	Carpenter 1st class	day	0.12	784.00	94.08
0114	Beldar	day	0.12	645.00	77.40
	TOTAL				171.48 W
	Add 1 % Water charges on "W"				1.71
	TOTAL				173.19 X
	Add GST on "X" (multiplying factor 0.1405)				24.33
	TOTAL				197.53 Y
	Add 15% CPOH on "Y"				29.63
	TOTAL				227.16 Z
	Add Cess @ 1% on "Z"				2.27
	Cost of 3.00 metres of periphery				229.43
	Cost of 1.00 metre of periphery				76.48
	Say				76.50

12.10 Extra for circular cutting in reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated/ semi corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	Details of cost for 4 holes of 0.72 metre diameter i.e. 9.05 metre periphery				
0114	LABOUR Carpenter 1st class Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 9.05 metres of periphery Cost of 1.00 metre of periphery Say	day	1.00 1.00	784.00 645.00	784.00 645.00 1429.00 W 14.29 1443.29 X 202.78 1646.07 Y 246.91 1892.98 Z 18.93 1911.91 211.26 211.25

12.11 Extra for providing and fixing wind ties of 40x 6 mm flat iron section.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1008	Details of cost for 30 metres				
2205	Extra for providing and fixing wind ties of 40x6mm flat iron section.				
9999	M.S. flat 40x6mm = 30 metres+ wastage @ 5% = 1.5 metres = 31.50 metres @ 1.9 Kg per metre = 59.85 Kg. = 0.5985 quintal				
0102	Flats upto 10 mm in thickness	quintal	0.5985	4850.00	2902.73
0114	Carriage of Steel Sundries Blacksmith 1st class Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 30.00 metres Cost of 1.00 metre Say	tonne L.S. day day	0.06 20.67 0.50 0.50	145.72 2.12 784.00 645.00 520.76 4227.25 Y 634.09 4861.34 Z 48.61 4909.95 163.66 163.65	8.74 43.82 392.00 322.50 3669.79 W 36.70 3706.49 X 4227.25 Y 634.09 4861.34 Z 48.61 4909.95 163.66 163.65

12.12 Providing and fixing ridges and hips in fibre cement reinforced by organic fibres and/or inorganic synthetic fibres roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc. complete.

12.12.1 Corrugated serrated adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for length of ridge 20.2 metres One piece corrugated serrated adjustable ridges Consider a shed of 20x10m (external dimensions at plinth). Length of ridges 20.2 metre MATERIAL Ridge piece required each of 1.22mm length = 19 nos. + Add 5% wastage = 0.95 No. Nos x 1.22 = 24.339 metre				
0225	Fibre reinforced by organic fibres and/ or inorganic synthetic fibres cement corrugated serrated adjustable ridge.	metre	24.339	210.00	5111.19
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	2.12	28.66
9999	Sundries	L.S.	6.76	2.12	14.33
	LABOUR				
0130	Mistry	day	0.14	784.00	109.76
0112	Carpenter 2nd class	day	0.55	714.00	392.70
0114	Beldar	day	1.64	645.00	1057.80
	TOTAL				6714.44 W
	Add 1 % Water charges on "W"				67.14
	TOTAL				6781.59 X
	Add GST on "X" (multiplying factor 0.1405)				952.81
	TOTAL				7734.40 Y
	Add 15% CPOH on "Y"				1160.16
	TOTAL				8894.56 Z
	Add Cess @ 1% on "Z"				88.95
	Cost of 20.20 metre				8983.51
	Cost of 1.00 metre				444.73
	Say				444.75

12.12.2 Plain wing adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for length of ridge 20.20 metres Plain wing adjustable ridges Consider a shed of 20x10m (external dimensions at plinth). Length of ridges 20.2 metre MATERIAL Ridge piece required each of 1.22m length = 19 nos. + Add 5% wastage = 0.95 No. 19.95 nos x 1.22 = 24.339 metre				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0226	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement plain wing adjustable ridge.	metre	24.339	210.00	5111.19
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	2.12	28.66
9999	Sundries	L.S.	6.76	2.12	14.33
	LABOUR				
0130	Mistry	day	0.14	784.00	109.76
0112	Carpenter 2nd class	day	0.55	714.00	392.70
0114	Beldar	day	1.64	645.00	1057.80
	TOTAL				6714.44 W
	Add 1 % Water charges on "W"				67.14
	TOTAL				6781.59 X
	Add GST on "X" (multiplying factor 0.1405)				952.81
	TOTAL				7734.40 Y
	Add 15% CPOH on "Y"				1160.16
	TOTAL				8894.56 Z
	Add Cess @ 1% on "Z"				88.95
	Cost of 20.20 metre				8983.51
	Cost of 1.00 metre				444.73
	Say				444.75

12.12.3 Close fitting adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0224	Details of cost for length of ridge 20.2 metres Close fitting adjustable ridges Consider a shed of 20x10m (external dimensions at plinth). Length of ridges 20.2 metre No. of ridge pairs required, of length 1.22m each = 22.00 nos. + Add 5% wastage = 1.10 Nos. = 23.10 nos.x 1.22= 28.182 metre Fibre reinforced by organic fibres and/or norganic synthetic fibres cement close fitting adjustable ridge.	metre	28.182	210.00	5918.22
9977	Carriage	L.S.	16.12	2.12	34.17
9999	Sundries	L.S.	7.15	2.12	15.16
	LABOUR				
0130	Mistry	day	0.14	784.00	109.76
0112	Carpenter 2nd class	day	0.55	714.00	392.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 20.20 metre Cost of 1.00 metre Say	day	1.64	645.00	1057.80 7527.81 W 75.28 7603.09 X 1068.23 8671.32 Y 1300.70 9972.02 Z 99.72 10071.74 498.60 498.60

12.12.4 Unserrated adjustable hips

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0227	Details of cost for a shed with hip as 20.2 metres Unserrated adjustable hips Consider a shed with hip as 20.2 metres No. of hi pieces required = 19 pairs Length of each pair 1.22 metres Add 5 % wastage = 0.95 pairs = 19.95 pairs x 1.22 = 24.339 metre Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement unserrated adjustable ridge for hips.	metre	24.339	210.00	5111.19
9977	Carriage	L.S.	6.76	2.12	14.33
9999	Sundries	L.S.	6.63	2.12	14.06
0130	LABOUR				
0112	Mistry	day	0.14	784.00	109.76
0114	Carpenter 2nd class	day	0.55	714.00	392.70
	Beldar	day	1.64	645.00	1057.80
	TOTAL				6699.84 W
	Add 1 % Water charges on "W"				67.00
	TOTAL				6766.84 X
	Add GST on "X" (multiplying factor 0.1405)				950.74
	TOTAL				7717.58 Y
	Add 15% CPOH on "Y"				1157.64
	TOTAL				8875.21 Z
	Add Cess @ 1% on "Z"				88.75
	Cost of 20.20 metre				8963.96
	Cost of 1.00 metre				443.76
	Say				443.75

12.13 Providing and fixing fibre cement reinforced by organic fibres and/or inorganic synthetic fibres roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete:

12.13.1 Corrugated apron pieces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0228	Details for shed of 20.2 metres completed length MATERIAL Corrugated apron pieces of 1.12 metre length = 20 nos.+ Add 5% wastage = 1.0 No. Total = 21 nos.x 1.12=23.52 metre Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated apron piece.				
9977	Carriage of apron pieces. (The apron pieces are to be fixed with the same hooks as the sheets)	metre	23.52	200.00	4704.00
9999	Sundries	L.S.	3.25	2.12	6.89
0130	LABOUR Mistry	day	0.07	784.00	54.88
0112	Carpenter 2nd class	day	0.28	714.00	199.92
0114	Beldar	day	0.82	645.00	528.90
	TOTAL				5501.48 W
	Add 1 % Water charges on "W"				55.01
	TOTAL				5556.49 X
	Add GST on "X" (multiplying factor 0.1405)				780.69
	TOTAL				6337.18 Y
	Add 15% CPOH on "Y"				950.58
	TOTAL				7287.76 Z
	Add Cess @ 1% on "Z"				72.88
	Cost of 20.20 metre				7360.64
	Cost of 1.00 metre				364.39
	Say				364.40

12.13.2 Eave's filler pieces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0229	Details of eaves filler for a shed of 20.2 metres complete length MATERIAL Eaves filler pieces of 0.16 metres length = 20 nos.+ Add 5% wastage = 1.0 No. Total = 21 nos. Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement eaves filler piece.	each	21.00	175.00	3675.00
9999	The eaves filler pieces are to be fixed with the same hooks as the sheets	L.S.	3.25	2.12	6.89
9999	Sundries	L.S.	3.25	2.12	6.89

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0130	LABOUR				
0112	Mistry	day	0.07	784.00	54.88
0114	Carpenter 2nd class	day	0.28	714.00	199.92
	Beldar	day	0.82	645.00	528.90
	TOTAL				4472.48 W
	Add 1 % Water charges on "W"				44.72
	TOTAL				4517.20 X
	Add GST on "X" (multiplying factor 0.1405)				634.67
	TOTAL				5151.87 Y
	Add 15% CPOH on "Y"				772.78
	TOTAL				5924.65 Z
	Add Cess @ 1% on "Z"				59.25
	Cost of 20.20 metres				5983.90
	Cost of 1.00 metre				296.23
	Say				296.25

12.13.3 North light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0230	Details of North light curve 20.2 metres long complete length MATERIAL North light curves of 1.016 metres nominal length = 20 nos. + Add 5% wastage = 1.0 No. = 21 nos.x 1.016 = 21.336 metre Fibre reinforced by organic fibres and/or norganic synthetic fibres cement north light curves.				
1023	Galvanised steel J or L hooks 8 mm dia	metre	21.336	280.00	5974.08
1209	10 Nos		4.00	120.00	480.00
1208	G.I. plain washer thick	100 Nos	0.40	35.00	14.00
9977	Bitumen washer	100 Nos	0.40	30.00	12.00
9999	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.12	20.95
	Sundries	L.S.	6.24	2.12	13.23
0130	LABOUR				
0112	Mistry	day	0.10	784.00	78.40
0114	Carpenter 2nd class	day	0.30	714.00	214.20
	Beldar	day	1.00	645.00	645.00
	TOTAL				7451.85 W
	Add 1 % Water charges on "W"				74.52
	TOTAL				7526.37 X
	Add GST on "X" (multiplying factor 0.1405)				1057.46
	TOTAL				8583.83 Y
	Add 15% CPOH on "Y"				1287.57
	TOTAL				9871.40 Z
	Add Cess @ 1% on "Z"				98.71
	Cost of 20.20 metres				9970.12
	Cost of 1.00 metre				493.57
	Say				493.55

12.13.4 Ventilator curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0231	Details of ventilator curve 20.2 metres long complete length MATERIAL Ventilator curves of 1.016 metres nominal length = 20 nos. + Add 5% wastage = 1.0 No. Total = 21 nos.x 1.016 = 21.336 metre Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement ventilator curves.				
1023	Galvanised steel J or L hooks 8 mm dia	each	21.336	310.00	6614.16
1209	10 Nos		4.00	120.00	480.00
1208	G.I. plain washer thick	100 Nos	0.40	35.00	14.00
9977	Bitumen washer	100 Nos	0.40	30.00	12.00
9999	Carriage of hooks, nuts, washers and curves Sundries	L.S.	9.88	2.12	20.95
0130	LABOUR Mistry	L.S.	6.24	2.12	13.23
0112	Carpenter 2nd class	day	0.10	784.00	78.40
0114	Beldar	day	0.30	714.00	214.20
	TOTAL	day	1.00	645.00	645.00
	Add 1 % Water charges on "W"				8091.93 W
	TOTAL				80.92
	Add GST on "X" (multiplying factor 0.1405)				8172.85 X
	TOTAL				1148.29
	Add 15% CPOH on "Y"				9321.14 Y
	TOTAL				1398.17
	Add Cess @ 1% on "Z"				10719.31 Z
	Cost of 20.20 metre				107.19
	Cost of 1.00 metre				10826.50
	Say				535.97
					535.95

12.13.5 Barge boards

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0232	Details of cost for 9.70 metres Completed length of barge boards MATERIAL Barge boards 2.50metres = 4 nos. x 2.50 = 10.00 metre Add 5% wastage = 0.50 metre. Total = 10.50 metre. Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement barge boards 6 mm thick.				
0222	Seam bolts and nuts 6 mm dia and 25 mm long	metre	10.50	400.00	4200.00
1211	G.I. plain washer for seam bolts	10 Nos	0.50	10.00	5.00
1208	Bitumen washer	100 Nos	0.10	32.00	3.20
		100 Nos	0.05	30.00	1.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of barge boards, bolts, nuts and washers	L.S.	9.36	2.12	19.84
9999	Sundries	L.S.	6.76	2.12	14.33
0130	LABOUR				
Mistry		day	0.04	784.00	31.36
0112	Carpenter 2nd class	day	0.06	714.00	42.84
0114	Beldar	day	0.40	645.00	258.00
TOTAL					4576.07 W
Add 1 % Water charges on "W"					45.76
TOTAL					4621.84 X
Add GST on "X" (multiplying factor 0.1405)					649.37
TOTAL					5271.20 Y
Add 15% CPOH on "Y"					790.68
TOTAL					6061.88 Z
Add Cess @ 1% on "Z"					60.62
Cost of 9.70 metre					6122.50
Cost of 1.00 metre					631.19
Say					631.20

12.13.6 Ridge finials

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0233	Details of a pair of ridge final MATERIAL Ride final = pair Add 5% wastage = 0.05pair. Total = 1.05 pair Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement ridge finial .	pair	1.05	165.00	173.25
9988	Carriage, sundries, fixing charges including providing and fixing, seam bolts and nuts, with G.I. and bitumen washers TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1.00 pair Say	L.S.	10.79	2.12	22.87 196.12 W 1.96 198.09 X 27.83 225.92 Y 33.89 259.80 Z 2.60 262.40 262.40

12.13.7 Special north light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 20 Nos Details of special north light ventilator curve 20.2 metres long complete length MATERIAL Special north light curves of 1.016 metres nominal length = 20 nos. + Add 5% wastage = 1.0 No. Total = 21 nos.				
0234	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement special north light curves.	each	21.00	555.00	11655.00
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	120.00	480.00
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.12	20.95
9999	Sundries	L.S.	6.24	2.12	13.23
	LABOUR				
0130	Mistry	day	0.10	784.00	78.40
0112	Carpenter 2nd class	day	0.30	714.00	214.20
0114	Beldar	day	1.00	645.00	645.00
	TOTAL				13132.77 W
	Add 1 % Water charges on "W"				131.33
	TOTAL				13264.10 X
	Add GST on "X" (multiplying factor 0.1405)				1863.61
	TOTAL				15127.71 Y
	Add 15% CPOH on "Y"				2269.16
	TOTAL				17396.86 Z
	Add Cess @ 1% on "Z"				173.97
	Cost of 20 nos				17570.83
	Cost of 1.00 no				878.54
	Say				878.55

12.13.8 S type louvers

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 8.74 metres MATERIAL S type louvers = 5 nos.+ Add 5% wastage = 0.25 nos. Total = 5.25 nos.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0235	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement S type louvers.	each	5.25	260.00	1365.00
9977	Carriage	L.S.	10.79	2.12	22.87
1031	Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steel nuts	each	6.00	20.00	120.00
1032	Galvanised steel bolts 10 mm dia and 7 cm long with nuts	each	6.00	6.00	36.00
1208	Bitumen washer	100 Nos	0.18	30.00	5.40
1210	G.I. plain washer thin	100 Nos	0.36	21.00	7.56
9977	Carriage of bolts and nuts and washers	L.S.	2.73	2.12	5.79
9999	Sundries	L.S.	13.39	2.12	28.39
	LABOUR				
0111	Carpenter 1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.00	645.00	645.00
0102	Blacksmith 1st class	day	0.12	784.00	94.08
	TOTAL				3114.09 W
	Add 1 % Water charges on "W"				31.14
	TOTAL				3145.23 X
	Add GST on "X" (multiplying factor 0.1405)				441.90
	TOTAL				3587.13 Y
	Add 15% CPOH on "Y"				538.07
	TOTAL				4125.21 Z
	Add Cess @ 1% on "Z"				41.25
	Cost of 8.74 metres				4166.46
	Cost of 1.00 metre				476.71
	Say				476.70

12.14 Providing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing G.S. sheets gutters with purlins.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 20 metres MATERIAL Flat 50x3mm size				
1008	Flats upto 10 mm in thickness	quintal	0.1163	4850.00	564.06
1025	Mild stel bolts 6 mm dia and 25 mm long with hexagonal head	10 Nos	3.80	10.00	38.00
1210	G.I. plain washer thin	100 Nos	0.19	21.00	3.99
9999	Sundries	L.S.	1.04	2.12	2.20
0102	Blacksmith 1st class	day	0.38	784.00	297.92

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 20.00 metres Cost of 1.00 metre Say	day	0.38	645.00	245.10 1151.27 W 11.51 1162.78 X 163.37 1326.15 Y 198.92 1525.08 Z 15.25 1540.33 77.02 77.00

12.15 Painting top of roofs with bitumen of approved quality @ 17kg per 10 sqm impregnated with a coat of coarse sand at 60 cudm per 10 sqm, including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete :

12.15.1 With residual type petroleum bitumen of grade VG -10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 Sqm. MATERIAL Bitumen 80/100				
0309	Paving bitumen VG-10 of approved quality	tonne	0.017	25614.00	435.44
0771	Kerosene oil	litre	1.22	50.00	61.00
0370	Coal (steam)	quintal	0.035	440.00	15.40
2211	Carriage of Tar bitumen	tonne	0.017	163.93	2.79
0982	Coarse sand (zone III)	cum	0.06	1500.00	90.00
2203	Carriage of Coarse sand	cum	0.06	163.93	9.84
	LABOUR				
0114	Beldar (for cleaning the surface, applying kerosene oil, heating materials and carrying the hot tar over the roof	day	0.38	645.00	245.10
0131	Painter	day	0.15	714.00	107.10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (Brushes and T and P) TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10.00 sqm. Cost of 1 Sqm. Say	L.S.	13.52	2.12	28.66 995.32 W 9.95 1005.28 X 141.24 1146.52 Y 171.98 1318.50 Z 13.18 1331.68 133.17 133.15

12.16 10 cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar mixed with bhusa @ 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow dung) and covered with flat tile bricks, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat:

12.16.1 With common burnt clay F.P.S.(non modular) brick tile of class designation 10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0811	Details of cost for (mud phaska) 10.00sqm. MATERIAL Mud Phuska = 1.048 cum. + Wastage 20% = 0.209 = 1.257 cum. Mud (dry) Mud mortar for 25 mm thick plaster over phuska	cum	1.257	165.00	207.41
3.18	Rate as per Item Number 3.18 of SH: Mortars Bhusa 0.263x35 = 9.20 + 5% wastage = 0.46 Total = 9.66 Kg. say 10 kg = 0.1 q	cum	0.263	823.15	216.49
0308	Bhusa	quintal	0.10	500.00	50.00
9999	Cowdung	L.S.	5.33	2.12	11.30
9999	Mud mortar for gobri leaping	L.S.	8.06	2.12	17.09
9977	Carriage of bhusa and cowdung	L.S.	2.73	2.12	5.79
1984	Tile bricks 22.9x11.4x4.4cm of designation 100 Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.38	4600.00	1748.00
2207	Carriage of Brick tiles Cement mortar for grouting 1:3 (1 cement : 3 fine sand)	1000 Nos	0.38	262.29	99.67
3.3	Rate as per Item Number 3.3 of SH: Mortars Integral water proofing compound 2% by weight of cement	cum	0.061	4382.15	267.31
1213	Water proofing materials	kilogram	0.006	35.00	0.21

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	6.76	2.12	14.33
0124	LABOUR				
0114	Mason (brick layer) 2nd class	day	1.30	714.00	928.20
0101	Beldar	day	3.75	645.00	2418.75
	Bhisti	day	1.10	714.00	785.40
	TOTAL				6769.94 W
	Add 1 % Water charges on "W"				67.70
	TOTAL				6837.64 X
	Add GST on "X" (multiplying factor 0.1405)				960.69
	TOTAL				7798.33 Y
	Add 15% CPOH on "Y"				1169.75
	TOTAL				8968.08 Z
	Add Cess @ 1% on "Z"				89.68
	Cost of 10.00 sqm.				9057.76
	Cost of 1 Sqm.				905.78
	Say				905.80

12.17 **10cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar with bhusha @ 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow-dung) and covered with machine moulded tile bricks, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat.**

12.17.1 **With machine moulded common burnt clay F.P.S. (non modular) brick tiles of class designation 12.5, conforming to IS 2690**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0811	Details of cost for (mud) 10.00sqm. MATERIAL Mud Phuska = 1.048 cum. Wastage 20% = 0.209 Total = 1.257 cum. Mud (dry) Mud mortar for 25 mm thick plaster over phuska	cum	1.257	165.00	207.41
3.18	Rate as per Item Number 3.18 of SH: Mortars Bhusa 0.263x35 = 9.20 5% wastage = 0.46 Total = 9.66 Kg. say 10 kg = 0.1 q	cum	0.263	823.15	216.49
0308	Bhusa	quintal	0.10	500.00	50.00
9999	Cowdung	L.S.	5.33	2.12	11.30
9999	Mud mortar for gobri leaping	L.S.	8.06	2.12	17.09
9977	Carriage of bhusa and cowdung	L.S.	2.73	2.12	5.79
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	0.38	4600.00	1748.00
2207	Carriage of Brick tiles Cement mortar for grouting 1:3 (1 cement : 3 fine sand)	1000 Nos	0.38	262.29	99.67

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.3	Rate as per Item Number 3.3 of SH: Mortars Integral water proofing compound 2% by weight of cement	cum	0.061	4382.15	267.31
1213	Water proofing materials	kilogram	0.006	35.00	0.21
9999	Sundries	L.S.	6.76	2.12	14.33
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.30	714.00	928.20
0114	Beldar	day	3.75	645.00	2418.75
0101	Bhisti	day	1.10	714.00	785.40
	TOTAL				6769.94 W
	Add 1 % Water charges on "W"				67.70
	TOTAL				6837.64 X
	Add GST on "X" (multiplying factor 0.1405)				960.69
	TOTAL				7798.33 Y
	Add 15% CPOH on "Y"				1169.75
	TOTAL				8968.08 Z
	Add Cess @ 1% on "Z"				89.68
	Cost of 10.00 sqm.				9057.76
	Cost of 1 Sqm.				905.78
	Say				905.80

12.18 Extra for every additional 1 cm thickness of mud phaska.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 10 sqm MATERIAL For 10 cm thickness Mud Phuska = 1.048 cum. + Wastage 20% = 0.209 = 1.257 cum. Quantity for 1 cm thickness 1.257/10 = 0.1257 cum say 0.13 cum				
0811	Mud (dry)	cum	0.13	165.00	21.45
0114	Beldar	day	0.07	645.00	45.15
0101	Bhisti	day	0.04	714.00	28.56
9999	Labour for leaping and carring to roof	L.S.	26.91	2.12	57.05
	TOTAL				152.21 W
	Add 1 % Water charges on "W"				1.52
	TOTAL				153.73 X
	Add GST on "X" (multiplying factor 0.1405)				21.60
	TOTAL				175.33 Y
	Add 15% CPOH on "Y"				26.30
	TOTAL				201.63 Z
	Add Cess @ 1% on "Z"				2.02
	Cost of 10.00 sqm.				203.65
	Cost of 1 Sqm.				20.36
	Say				20.35

12.19 Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat:

12.19.1 With common burnt clay F.P.S. (non modular) brick tiles of class designation 10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks tile class designation 10				
2207	Carriage of Brick tiles	1000 Nos	0.38	4600.00	1748.00
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)	1000 Nos	0.38	262.29	99.67
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.179	4382.15	784.40
1213	Integral water proofing compound 2% by weight of cement	kilogram	0.005	35.00	0.18
0124	Water proofing materials				
0115	LABOUR				
0101	Mason (brick layer) 2nd class	day	0.81	714.00	578.34
9999	Coolie	day	1.08	645.00	696.60
	Bhisti	day	0.27	714.00	192.78
	Sundries	L.S.	1.82	2.12	3.86
	TOTAL				4103.83 W
	Add 1 % Water charges on "W"				41.04
	TOTAL				4144.87 X
	Add GST on "X" (multiplying factor 0.1405)				582.35
	TOTAL				4727.22 Y
	Add 15% CPOH on "Y"				709.08
	TOTAL				5436.30 Z
	Add Cess @ 1% on "Z"				54.36
	Cost of 10.00 sqm.				5490.67
	Cost of 1 Sqm.				549.07
	Say				549.05

12.20 Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7266	Details of cost for 10 sqm. MATERIAL Pressed clay tiles 20 mm thick 250 x 250 mm size				
2207	Carriage of Brick tiles	1000 Nos	0.16	8000.00	1280.00
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.16	262.29	41.97

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars Integral water proofing compound 2% by weight of cement	cum	0.037	4355.20	161.14
1213	Water proofing materials Cement mortar 1 : 4 (1 cement : 4 coarse sand)	kilogram	0.01	35.00	0.35
3.9	Rate as per Item Number 3.9 of SH: Mortars LABOUR	cum	0.224	4355.20	975.56
0123	Mason (brick layer) 1st class	day	0.60	784.00	470.40
0114	Beldar	day	2.60	645.00	1677.00
9999	Sundries	L.S.	13.00	2.12	27.56
	TOTAL				4633.98 W
	Add 1 % Water charges on "W"				46.34
	TOTAL				4680.32 X
	Add GST on "X" (multiplying factor 0.1405)				657.59
	TOTAL				5337.91 Y
	Add 15% CPOH on "Y"				800.69
	TOTAL				6138.60 Z
	Add Cess @ 1% on "Z"				61.39
	Cost of 10.00 sqm.				6199.98
	Cost of 1 Sqm.				620.00
	Say				620.00

12.21 Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :

12.21.1 In 75x75 mm deep chase

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0297	Details of cost for 10 metres cement concrete				
2202	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0836	1350.00	112.86
0982	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0836	163.93	13.70
2203	Coarse sand (zone III)	cum	0.0418	1500.00	62.70
0367	Carriage of Coarse sand	cum	0.0418	163.93	6.85
2209	Portland Cement (OPC-43 grade)	tonne	0.03	5000.00	150.00
0114	Carriage of Cement	tonne	0.03	145.72	4.37
0115	Beldar	day	0.085	645.00	54.83
0101	Coolie	day	0.056	645.00	36.12
0123	Bhisti	day	0.025	714.00	17.85
0124	Mason (brick layer) 1st class	day	0.005	784.00	3.92
0128	Mason (brick layer) 2nd class	day	0.005	714.00	3.57
9999	Mate	day	0.0037	714.00	2.64
9999	Hire and running charge of mechanical mixer	L.S.	2.47	2.12	5.24
9999	Sundries	L.S.	1.30	2.12	2.76
0123	Mason (brick layer) 1st class	day	0.15	784.00	117.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	Mason (brick layer) 2nd class	day	0.15	714.00	107.10
9999	Sundries	L.S.	5.07	2.12	10.75
0123	Mason (brick layer) 1st class	day	0.25	784.00	196.00
0124	Mason (brick layer) 2nd class	day	0.25	714.00	178.50
0114	Beldar	day	1.00	645.00	645.00
9977	Carriage Cement mortar for grouting 1:3 (1 cement : 3 fine sand)	L.S.	8.06	2.12	17.09
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.009	4382.15	39.44
0155	Mason (average)	day	0.081	749.00	60.67
0115	Coolie	day	0.101	645.00	65.15
0101	Bhisti	day	0.033	714.00	23.56
9999	Hire and running charges of mechanical mixer	L.S.	1.69	2.12	3.58
9999	Sundries	L.S.	1.43	2.12	3.03
	TOTAL				1944.87 W
	Add 1 % Water charges on "W"				19.45
	TOTAL				1964.32 X
	Add GST on "X" (multiplying factor 0.1405)				275.99
	TOTAL				2240.31 Y
	Add 15% CPOH on "Y"				336.05
	TOTAL				2576.36 Z
	Add Cess @ 1% on "Z"				25.76
	Cost of 10.00 metre				2602.12
	Cost of 1.00 metre				260.21
	Say				260.20

12.22 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x 1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 no. Stone Aggregate (Single size) : 20 mm nominal size	cum	0.0067	1400.00	9.38
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0022	1350.00	2.97
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0089	163.93	1.46
0982	Coarse sand (zone III)	cum	0.0044	1500.00	6.60
2203	Carriage of Coarse sand	cum	0.0044	163.93	0.72
0367	Portland Cement (OPC-43 grade)	tonne	0.0032	5000.00	16.00
2209	Carriage of Cement	tonne	0.0032	145.72	0.47
0114	Beldar	day	0.009	645.00	5.81
0115	Coolie	day	0.006	645.00	3.87
0101	Bhisti	day	0.0027	714.00	1.93
0123	Mason (brick layer) 1st class	day	0.0005	784.00	0.39
0124	Mason (brick layer) 2nd class	day	0.0005	714.00	0.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Mate	day	0.0004	714.00	0.29
9999	Hire and running charge of mechanical mixer	L.S.	0.26	2.12	0.55
9999	Sundries	L.S.	0.13	2.12	0.28
3002	Polyvinyle chloride sheet 400 micron thick Cement mortar 1:3 (1 cement : 3 coarse sand)	sqm	1.00	45.00	45.00
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.0041	5024.15	20.60
0155	Mason (average)	day	0.0235	749.00	17.60
0115	Coolie	day	0.0235	645.00	15.16
0101	Bhisti	day	0.0078	714.00	5.57
9999	Sundries	L.S.	0.39	2.12	0.83
0367	Portland Cement (OPC-43 grade)	tonne	0.0006	5000.00	3.00
2209	Carriage of Cement	tonne	0.0006	145.72	0.09
0155	Mason (average)	day	0.008	749.00	5.99
0115	Coolie	day	0.008	645.00	5.16
9999	Rounding of edges and making outlet	L.S.	0.26	2.12	0.55
9999	Sundries	L.S.	13.52	2.12	28.66
	TOTAL				199.27 W
	Add 1 % Water charges on "W"				1.99
	TOTAL				201.26 X
	Add GST on "X" (multiplying factor 0.1405)				28.28
	TOTAL				229.54 Y
	Add 15% CPOH on "Y"				34.43
	TOTAL				263.97 Z
	Add Cess @ 1% on "Z"				2.64
	Cost of 1 no.				266.61
	Say				266.60

12.23 Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete :

12.23.1 Red sand stone slab

12.23.1.1 40 to 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1174	Details of cost for 10 sqm. MATERIAL Red sand stone slab 45 mm and 50 mm thick (un-dressed) including wastage @ 10% = 11 sqm	sqm	11.00	260.00	2860.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1 : 4 (1 cement : 4 coarse sand)	tonne	1.27	145.72	185.06

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars Cement mortar for grouting 1:3 (1 cement : 3 fine sand)	cum	0.0095	4355.20	41.37
3.3	Rate as per Item Number 3.3 of SH: Mortars LABOUR	cum	0.0075	4382.15	32.87
0155	Mason (average)	day	1.52	749.00	1138.48
0100	Bandhani	day	1.82	714.00	1299.48
0115	Coolie	day	1.52	645.00	980.40
0101	Bhisti	day	0.30	714.00	214.20
9999	Sundries	L.S.	16.12	2.12	34.17
	TOTAL				6786.04 W
	Add 1 % Water charges on "W"				67.86
	TOTAL				6853.90 X
	Add GST on "X" (multiplying factor 0.1405)				962.97
	TOTAL				7816.87 Y
	Add 15% CPOH on "Y"				1172.53
	TOTAL				8989.40 Z
	Add Cess @ 1% on "Z"				89.89
	Cost of 10.00 sqm.				9079.30
	Cost of 1 Sqm.				907.93
	Say				907.95

12.23.2 White sand stone slab

12.23.2.1 40 to 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1175	Details of cost for 10 sqm. MATERIAL White sand stone slab 45 mm and 50 mm thick (un-dressed) including wastage @ 10% = 11sqm	sqm	11.00	280.00	3080.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1 : 4 (1 cement : 4 coarse sand)	tonne	1.27	145.72	185.06
3.9	Rate as per Item Number 3.9 of SH: Mortars LABOUR	cum	0.0095	4355.20	41.37
0155	Mason (average)	day	1.52	749.00	1138.48
0100	Bandhani	day	1.82	714.00	1299.48
0115	Coolie	day	1.52	645.00	980.40
0101	Bhisti	day	0.30	714.00	214.20
9999	Sundries	L.S.	16.12	2.12	34.17
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.3	Rate as per Item Number 3.3 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10.00 sqm. Cost of 1 Sqm. Say	cum	0.0075	4382.15	32.87 7006.04 W 70.06 7076.10 X 994.19 8070.29 Y 1210.54 9280.84 Z 92.81 9373.64 937.36 937.35

12.24 Providing and fixing insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately) :

12.24.1 Natural colour insulating board

12.24.1.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0332	Details of cost for 10 sqm. MATERIAL Natural colour insulating board: 12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	210.00	2310.00
9977	Carriage of material	L.S.	17.55	2.12	37.21
9999	Nails	L.S.	26.91	2.12	57.05
	LABOUR				
0111	Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.00	645.00	1290.00
9999	Scaffolding	L.S.	31.07	2.12	65.87
9999	Sundries	L.S.	31.07	2.12	65.87
	TOTAL				5785.99 W
	Add 1 % Water charges on "W"				57.86
	TOTAL				5843.85 X
	Add GST on "X" (multiplying factor 0.1405)				821.06
	TOTAL				6664.91 Y
	Add 15% CPOH on "Y"				999.74
	TOTAL				7664.65 Z
	Add Cess @ 1% on "Z"				76.65
	Cost of 10.00 sqm.				7741.30
	Cost of 1.00 sqm.				774.13
	Say				774.15

12.24.2 White face insulating board

12.24.2.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0328	Details of cost for 10 sqm. MATERIAL White face insulating board:12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	235.00	2585.00
9977	Carriage of material	L.S.	17.55	2.12	37.21
9999	Nails	L.S.	26.91	2.12	57.05
	LABOUR				
0111	Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.00	645.00	1290.00
9999	Scaffolding	L.S.	31.07	2.12	65.87
9999	Sundries	L.S.	31.07	2.12	65.87
	TOTAL				6060.99 W
	Add 1 % Water charges on "W"				60.61
	TOTAL				6121.60 X
	Add GST on "X" (multiplying factor 0.1405)				860.09
	TOTAL				6981.69 Y
	Add 15% CPOH on "Y"				1047.25
	TOTAL				8028.94 Z
	Add Cess @ 1% on "Z"				80.29
	Cost of 10.00 sqm.				8109.23
	Cost of 1.00 sqm.				810.92
	Say				810.90

12.24.3 Flame retardant face insulating board

12.24.3.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0336	Details of cost for 10 sqm. MATERIAL Flame retardent face insulating board: 12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	320.00	3520.00
9977	Carriage of material	L.S.	17.55	2.12	37.21
9999	Nails	L.S.	26.91	2.12	57.05
	LABOUR				
0111	Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.00	645.00	1290.00
9999	Scaffolding	L.S.	31.07	2.12	65.87
9999	Sundries	L.S.	31.07	2.12	65.87
	TOTAL				6995.99 W
	Add 1 % Water charges on "W"				69.96
	TOTAL				7065.95 X
	Add GST on "X" (multiplying factor 0.1405)				992.77
	TOTAL				8058.72 Y
	Add 15% CPOH on "Y"				1208.81
	TOTAL				9267.53 Z
	Add Cess @ 1% on "Z"				92.68
	Cost of 10.00 sqm.				9360.20
	Cost of 1.00 sqm.				936.02
	Say				936.00

12.25 Providing and fixing flat pressed 3 layer medium density particle board or graded particle board (Grade I) IS: 3087 marked, in ceiling with necessary nails etc. complete (frame work to be paid separately):

12.25.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0341	Details of cost for 10 sqm. MATERIAL Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	288.00	3168.00
9977	Carriage	L.S.	14.95	2.12	31.69
9999	Nails	L.S.	26.91	2.12	57.05
	LABOUR				
0111	Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.00	645.00	1290.00
9999	Scaffolding	L.S.	31.07	2.12	65.87
9999	Sundries	L.S.	31.07	2.12	65.87
	TOTAL				6638.48 W
	Add 1 % Water charges on "W"				66.38
	TOTAL				6704.86 X
	Add GST on "X" (multiplying factor 0.1405)				942.03
	TOTAL				7646.90 Y
	Add 15% CPOH on "Y"				1147.03
	TOTAL				8793.93 Z
	Add Cess @ 1% on "Z"				87.94
	Cost of 10.00 sqm.				8881.87
	Cost of 1.00 sqm.				888.19
	Say				888.20

12.26 Providing and fixing plain multipurpose cement board(Hight pressure steam cured) with suitable screws for cement particle board in ceiling etc. complete (frame work to be paid seperately).

12.26.1 6 mm thick Cement fiber board as per IS: 14862

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0236	Details of cost for 10 sqm. MATERIAL Fibre reinforced by organic fibres and/ or inorganic synthetic fibres cement board 6mm thick. including 10% wastage = 11.00 sqm	sqm	11.00	210.00	2310.00
9977	Carriage	L.S.	14.95	2.12	31.69
9999	Nails	L.S.	26.91	2.12	57.05
	LABOUR				
0111	Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.00	645.00	1290.00
9999	Scaffolding	L.S.	31.07	2.12	65.87

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10.00 sqm. Cost of 1.00 sqm. Say	L.S.	31.07	2.12	65.87 5780.48 W 57.80 5838.28 X 820.28 6658.56 Y 998.78 7657.35 Z 76.57 7733.92 773.39 773.40

12.26.2 6 mm thick Cement bonded wood particle board as per IS:14276

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0242	Details of cost for 10 sqm. MATERIAL 6 mm thick multi purpose cement bonded wood particle board 10.00 sqm + 1.00 sqm (Add wastage 10%) Total = 11.00 sqm	sqm	11.00	195.00	2145.00
9977	Carriage	L.S.	14.95	2.12	31.69
9999	Nails	L.S.	26.91	2.12	57.05
0111	LABOUR Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.00	645.00	1290.00
9999	Scaffolding	L.S.	31.07	2.12	65.87
9999	Sundries	L.S.	31.07	2.12	65.87
	TOTAL Add 1 % Water charges on "W"				5615.48 W 56.15
	TOTAL Add GST on "X" (multiplying factor 0.1405)				5671.63 X 796.86
	TOTAL Add 15% CPOH on "Y"				6468.50 Y 970.27
	TOTAL Add Cess @ 1% on "Z"				7438.77 Z 74.39
	Cost of 10 sqm				7513.16
	Cost of 1 sqm				751.32
	Say				751.30

12.27 Extra for Circular cutting including wastages in ceiling with:

12.27.1 2nd class teak wood planks 20 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 holes of 0.5m dia each (15.71m)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL 0.5 metre dia. each = $10 \times 22 / 7 \times 0.5$ = 15.71m Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5$ = 1.96sqm. + Wastage @ 10% = 0.19 sqm. = 2.15 sqm x 20mm = 0.043 cum				
1190	Second class teak wood in planks	10 cu dm	4.30	791.00	3401.30
2204	Carriage of Timber	cum	0.041	187.35	7.68
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.31	60.00	18.60
	LABOUR				
0111	Carpenter 1st class	day	2.65	784.00	2077.60
0112	Carpenter 2nd class	day	0.145	714.00	103.53
0114	Beldar	day	2.79	645.00	1799.55
9999	Scaffolding	L.S.	7.8	2.12	16.54
9999	Sundries	L.S.	14.69	2.12	31.14
	TOTAL				7455.94 W
	Add 1 % Water charges on "W"				74.56
	TOTAL				7530.50 X
	Add GST on "X" (multiplying factor 0.1405)				1058.04
	TOTAL				8588.53 Y
	Add 15% CPOH on "Y"				1288.28
	TOTAL				9876.81 Z
	Add Cess @ 1% on "Z"				98.77
	Cost of 15.71 metre				9975.58
	Cost of 1.00 metre				634.98
	Say				635.00

12.27.2 Natural colour insulating board

12.27.2.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 holes of 0.5m dia each				
	Details of cost for 15.71 metre				
	MATERIAL				
	0.5 metre dia. each = $10 \times 22 / 7 \times 0.5$				
	= 15.71m				
	Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5$				
	= 1.96sqm. +				
	Wastage @ 10% = 0.19 sqm.				
	Total = 2.15 sqm.				
0332	Natural colour insulating board: 12 mm thick	sqm	2.15	210.00	451.50
9977	Carriage	L.S.	3.38	2.12	7.17
9999	Nails	L.S.	5.33	2.12	11.30
	LABOUR				
0111	Carpenter 1st class	day	0.49	784.00	384.16
0114	Beldar	day	0.39	645.00	251.55
9999	Scaffolding	L.S.	6.11	2.12	12.95
9999	Sundries	L.S.	6.11	2.12	12.95

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.50	645.00	1612.50
9999	Scaffolding	L.S.	10.79	2.12	22.87
	TOTAL				4726.96 W
	Add 1 % Water charges on "W"				47.27
	TOTAL				4774.23 X
	Add GST on "X" (multiplying factor 0.1405)				670.78
	TOTAL				5445.00 Y
	Add 15% CPOH on "Y"				816.75
	TOTAL				6261.76 Z
	Add Cess @ 1% on "Z"				62.62
	Cost of 15.71 metre				6324.37
	Cost of 1.00 metre				402.57
	Say				402.55

12.27.3 White face insulating board:

12.27.3.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 15.71 metre MATERIAL 0.5 metre dia. each = $10 \times 22/7 \times 0.5$ = 15.71m Area = $10 \times (22/7)/4 \times 0.5 \times 0.5$ = 1.96sqm. + Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0328	White face insulating board:12 mm thick	sqm	2.15	235.00	505.25
9977	Carriage	L.S.	3.38	2.12	7.17
9999	Nails	L.S.	5.33	2.12	11.30
	LABOUR				
0111	Carpenter 1st class	day	0.49	784.00	384.16
0114	Beldar	day	0.39	645.00	251.55
9999	Scaffolding	L.S.	6.11	2.12	12.95
9999	Sundries	L.S.	6.11	2.12	12.95
0111	Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.50	645.00	1612.50
9999	Scaffolding	L.S.	10.79	2.12	22.87
	TOTAL				4780.71 W
	Add 1 % Water charges on "W"				47.81
	TOTAL				4828.51 X
	Add GST on "X" (multiplying factor 0.1405)				678.41
	TOTAL				5506.92 Y
	Add 15% CPOH on "Y"				826.04
	TOTAL				6332.96 Z
	Add Cess @ 1% on "Z"				63.33
	Cost of 15.71 metre				6396.29
	Cost of 1.00 metre				407.15
	Say				407.15

12.27.4 Flame retardant face insulating board:

12.27.4.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 15.71 metre MATERIAL 0.5 metre dia. each = $10 \times 22/7 \times 0.5 = 1.96 \text{ sqm}$. + $0.5 = 15.71 \text{ m}$ Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96 \text{ sqm}$. + Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0336	Flame retardent face insulating board: 12 mm thick	sqm	2.15	320.00	688.00
9977	Carriage	L.S.	3.38	2.12	7.17
9999	Nails	L.S.	5.33	2.12	11.30
	LABOUR				
0111	Carpenter 1st class	day	0.49	784.00	384.16
0114	Beldar	day	0.39	645.00	251.55
9999	Scaffolding	L.S.	6.11	2.12	12.95
9999	Sundries	L.S.	6.11	2.12	12.95
0111	Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.50	645.00	1612.50
9999	Scaffolding	L.S.	10.79	2.12	22.87
	TOTAL				4963.46 W
	Add 1 % Water charges on "W"				49.63
	TOTAL				5013.09 X
	Add GST on "X" (multiplying factor 0.1405)				704.34
	TOTAL				5717.43 Y
	Add 15% CPOH on "Y"				857.61
	TOTAL				6575.04 Z
	Add Cess @ 1% on "Z"				65.75
	Cost of 15.71 metre				6640.80
	Cost of 1.00 metre				422.71
	Say				422.70

12.27.5 Standard quality hard board sheet:

12.27.5.1 3 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 15.71 metre MATERIAL 0.5 metre dia. each = $10 \times 22/7 \times 0.5 = 1.96 \text{ sqm}$. + $0.5 = 15.71 \text{ m}$ Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96 \text{ sqm}$. + Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0994	Standard quality hard board sheet 3 mm thick	sqm	2.15	135.00	290.25
9977	Carriage	L.S.	2.73	2.12	5.79
9999	Nails	L.S.	5.33	2.12	11.30
	LABOUR				
0111	Carpenter 1st class	day	0.49	784.00	384.16
0114	Beldar	day	0.39	645.00	251.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding	L.S.	6.11	2.12	12.95
9999	Sundries	L.S.	6.11	2.12	12.95
0111	Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.50	645.00	1612.50
9999	Scaffolding	L.S.	10.79	2.12	22.87
	TOTAL				4564.33 W
	Add 1 % Water charges on "W"				45.64
	TOTAL				4609.97 X
	Add GST on "X" (multiplying factor 0.1405)				647.70
	TOTAL				5257.67 Y
	Add 15% CPOH on "Y"				788.65
	TOTAL				6046.32 Z
	Add Cess @ 1% on "Z"				60.46
	Cost of 15.71 metre				6106.79
	Cost of 1.00 metre				388.72
	Say				388.70

12.27.5.2 4.5 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 15.71 metre MATERIAL 0.5 metre dia. each = $10 \times 22/7 \times 0.5 = 15.71\text{m}$ $\text{Area} = 10 \times (22/7)/4 \times 0.5 \times 0.5 = 1.96\text{sqm.} +$ Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0996	Standard quality hard board sheet 4.5 mm thick	sqm	2.15	210.00	451.50
9977	Carriage	L.S.	2.86	2.12	6.06
9999	Nails	L.S.	5.33	2.12	11.30
	LABOUR				
0111	Carpenter 1st class	day	0.49	784.00	384.16
0114	Beldar	day	0.39	645.00	251.55
9999	Scaffolding	L.S.	6.11	2.12	12.95
9999	Sundries	L.S.	6.11	2.12	12.95
0111	Carpenter 1st class	day	2.50	784.00	1960.00
0114	Beldar	day	2.50	645.00	1612.50
9999	Scaffolding	L.S.	10.79	2.12	22.87
	TOTAL				4725.85 W
	Add 1 % Water charges on "W"				47.26
	TOTAL				4773.11 X
	Add GST on "X" (multiplying factor 0.1405)				670.62
	TOTAL				5443.73 Y
	Add 15% CPOH on "Y"				816.56
	TOTAL				6260.30 Z
	Add Cess @ 1% on "Z"				62.60
	Cost of 15.71 metre				6322.90
	Cost of 1.00 metre				402.48
	Say				402.50

12.28 Extra for providing and fixing ceiling to curved surfaces in narrow widths

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. LABOUR 0111 Carpenter 1st class 0112 Carpenter 2nd class 0114 Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10.00 sqm. Cost of 1.00 sqm. Say	day	1.00	784.00	784.00
			1.00	714.00	714.00
			2.00	645.00	1290.00
					2788.00 W
					27.88
					2815.88 X
					395.63
					3211.51 Y
					481.73
					3693.24 Z
					36.93
					3730.17
					373.02
					373.00

12.31 Providing 10 mm thick plaster of Paris (gypsum anhydrous) ceiling up to a height of 5 m above floor level, over first class kail wood strips 25x6 mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately):

12.31.1 Flat surfaces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4.00x2.5=10sqm. MATERIAL Wooden strips of 1st class kail wood $72 \times 40 \times 0.25 \times 0.06 = 43.20$ cumd. + Add 10% wastage = 4.32 cumd. Total = 47.52 cumd				
1196	First class kail wood in planks	10 cumd	4.752	300.00	1425.60
2204	Carriage of Timber	cum	0.0475	187.35	8.90
1219	Wire nails required for fixing the laths to frame work including breakage and wastage of nails Rabbit wire mesh required for reinforcement = $2.5 \times 4 = 10.00$ sqm.+ Add 2% wastage = 0.20 sqm. Total = 10.2 sqm.	kilogram	0.75	58.00	43.50
1220	Wire mesh (rabbit) Plaster of paris - $2.5 \times 4.0 \times 10 \times 1121 / 1000 = 112.10$ kg. Add for plaster of paris joining into the side of the laths- $2.5 \times 4.0 \times 4.0032 \times 1121 / 1000 = 44.87$ kg. Total = 156.97+ Add 40% wastage = 62.79 Total = 219.76 kg Plaster of Paris	sqm	10.20	42.00	428.40
0869		kilogram	219.76	5.00	1098.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2308	Carriage of Plaster of paris	tonne	0.22	145.72	32.06
9977	Carriage of wiremesh and nails etc.	L.S.	2.73	2.12	5.79
	LABOUR				
0111	Carpenter 1st class	day	1.60	784.00	1254.40
0114	Beldar	day	1.60	645.00	1032.00
	For doing plaster of paris over wooden strips				
0122	Mason (for plaster of paris work)	day	3.23	784.00	2532.32
0114	1st class	day	3.23	645.00	2083.35
0101	Beldar	day	0.54	714.00	385.56
9999	Bhisti	L.S.	83.98	2.12	178.04
9999	Scaffolding	L.S.	53.82	2.12	114.10
	TOTAL				10622.81 W
	Add 1 % Water charges on "W"				106.23
	TOTAL				10729.04 X
	Add GST on "X" (multiplying factor 0.1405)				1507.43
	TOTAL				12236.47 Y
	Add 15% CPOH on "Y"				1835.47
	TOTAL				14071.94 Z
	Add Cess @ 1% on "Z"				140.72
	Cost of 10.00 sqm.				14212.66
	Cost of 1.00 sqm.				1421.27
	Say				1421.25

12.31.2 Curved surfaces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4.00x2.5=10sqm. MATERIAL Wooden strips of 1st class kail wood $72 \times 40 \times 0.25 \times 0.06 = 43.20$ cudm. + Add 10% wastage = 4.32 cudm. Total = 47.52 cudm				
1196	First class kail wood in planks	10 cudm	4.752	300.00	1425.60
2204	Carriage of Timber	cum	0.0475	187.35	8.90
1219	Wire nails required for fixing the laths to frame work including breakage and wastage of nails Rabbit wire mesh required for reinforcement = $2.5 \times 4 = 10.00$ sqm.+ Add 2% wastage = 0.20 sqm. Total = 10.2 sqm.	kilogram	0.75	58.00	43.50
1220	Wire mesh (rabbit) Plaster of paris - $2.5 \times 4.0 \times 10 \times 1121/1000 = 112.10$ kg. Add for plaster of paris joining into the side of the laths- $2.5 \times 4.0 \times 4.0032 \times 1121/1000 = 44.87$ kg. Total = 156.97+ Add 40% wastage = 62.79 Total = 219.76 kg	sqm	10.20	42.00	428.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0869	Plaster of Paris	kilogram	219.76	5.00	1098.80
2308	Carriage of Plaster of paris	tonne	0.22	145.72	32.06
9977	Carriage of wiremesh and nails etc.	L.S.	2.73	2.12	5.79
	LABOUR				
0111	Carpenter 1st class	day	1.60	784.00	1254.40
0114	Beldar	day	1.60	645.00	1032.00
0122	Mason (for plaster of paris work)				
	1st class	day	3.23	784.00	2532.32
0114	Beldar	day	3.23	645.00	2083.35
0101	Bhisti	day	0.54	714.00	385.56
9999	Scaffolding	L.S.	83.98	2.12	178.04
9999	Sundries	L.S.	53.82	2.12	114.10
0111	Carpenter 1st class	day	0.50	784.00	392.00
0122	Mason (for plaster of paris work)				
	1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.50	645.00	967.50
	TOTAL				12766.31 W
	Add 1 % Water charges on "W"				127.66
	TOTAL				12893.97 X
	Add GST on "X" (multiplying factor 0.1405)				1811.60
	TOTAL				14705.58 Y
	Add 15% CPOH on "Y"				2205.84
	TOTAL				16911.41 Z
	Add Cess @ 1% on "Z"				169.11
	Cost of 10.00 sqm.				17080.53
	Cost of 1.00 sqm.				1708.05
	Say				1708.05

12.32 Extra for sunk or raised mouldings in the plaster of Paris (Gypsum anhydrous) ceiling.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0869	Details of cost for 10 sqm.				
2308	Plaster of Paris	kilogram	109.88	5.00	549.40
	Carriage of Plaster of paris	tonne	0.11	145.72	16.03
	LABOUR				
0122	Mason (for plaster of paris work) 1st class	day	2.00	784.00	1568.00
0114	Beldar	day	2.00	645.00	1290.00
0101	Bhisti	day	0.25	714.00	178.50
9999	Scaffolding and Sundries	L.S.	13.52	2.12	28.66
	TOTAL				3630.59 W
	Add 1 % Water charges on "W"				36.31
	TOTAL				3666.90 X
	Add GST on "X" (multiplying factor 0.1405)				515.20
	TOTAL				4182.10 Y
	Add 15% CPOH on "Y"				627.31
	TOTAL				4809.41 Z
	Add Cess @ 1% on "Z"				48.09
	Cost of 10.00 sqm.				4857.51
	Cost of 1.00 sqm.				485.75
	Say				485.75

12.33 Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5 metres height from floor level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10sqm/metre height				
	Scaffolding	L.S.	13.52	2.12	28.66
	LABOUR				
0122	Mason (for plaster of paris work) 1st class	day	1.00	784.00	784.00
0114	Beldar	day	1.00	645.00	645.00
0101	Bhisti	day	0.25	714.00	178.50
	TOTAL				1636.16 W
	Add 1 % Water charges on "W"				16.36 X
	TOTAL				1652.52 X
	Add GST on "X" (multiplying factor 0.1405)				232.18
	TOTAL				1884.70 Y
	Add 15% CPOH on "Y"				282.71
	TOTAL				2167.41 Z
	Add Cess @ 1% on "Z"				21.67
	Cost of 10.00sqm / metre height				2189.08
	Cost of 1.00 sqm. / metre height				218.91
	Say				218.90

12.34 Providing fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Fibre glass wool conforming to IS : 8183, density 24kg / m³, 50mm thick, wrapped in 200 G Virgin Polythene bags, fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5 mm x 24 gauge wire mesh, for top most ceiling of building.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.00sqm.				
	Area for 10.00sqm. (Finished surface) = 10.00sqm.+				
	Add 10% for overlappings & wastage = 1.00sqm.				
	Total = 11.00sqm.				
7232	Resin Bonded Glass wool 24 kg/m ³ 50 mm thick	sqm	11.00	130.00	1430.00
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram	L.S.	104.00	2.12	220.48
9999	GI chiken mesh 12.5mm x 24 SWG	L.S.	351.00	2.12	744.12
0111	LABOUR				
0114	Carpenter 1st class	day	1.00	784.00	784.00
	Beldar	day	2.00	645.00	1290.00
	TOTAL				4468.60 W
	Add 1 % Water charges on "W"				44.69 X
	TOTAL				4513.29 X
	Add GST on "X" (multiplying factor 0.1405)				634.12
	TOTAL				5147.40 Y
	Add 15% CPOH on "Y"				772.11
	TOTAL				5919.51 Z
	Add Cess @ 1% on "Z"				59.20
	Cost of 10.00 sqm.				5978.71
	Cost of 1.00 sqm.				597.87
	Say				597.85

12.35 Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183. Density 16 kg/m³, 50 mm thick, wrapped in 200G Virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.00sqm. Area for 10.00sqm. (Finished surface) = 10.00sqm.+ Add 10% for overlappings & wastage = 1.00sqm. Total = 11.00sqm.				
7231	Resin Bonded Glass wool 16 kg/m ³ 50 mm thick	sqm	11.00	90.00	990.00
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram	L.S.	52.00	2.12	110.24
0111	LABOUR	day	0.50	784.00	392.00
0114	Carpenter 1st class	day	0.50	645.00	322.50
	TOTAL				1814.74 W
	Add 1 % Water charges on "W"				18.15
	TOTAL				1832.89 X
	Add GST on "X" (multiplying factor 0.1405)				257.52
	TOTAL				2090.41 Y
	Add 15% CPOH on "Y"				313.56
	TOTAL				2403.97 Z
	Add Cess @ 1% on "Z"				24.04
	Cost of 10.00 sqm.				2428.01
	Cost of 1.00 sqm.				242.80
	Say				242.80

12.36 Thermal Insulation of roofing with Expanded polystyrene fixed with suitable adhesive to the false ceiling as per the directions of the Engineer-in-charge:

12.36.1 With Type N - Normal 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.00sqm. Cost of materials : Expanded Polystyrene 1x10=10.00sqm. + Add wastage 10% = 1.00sqm. Total = 11.00sqm.				
7090	Expanded polystyrene type N- Normal	sqm	11.00	120.00	1320.00
0314	Bitumen hot sealing compound : grade A	kilogram	0.25	29.00	7.25
9999	Sundries	L.S.	13.00	2.12	27.56
0111	LABOUR	day	0.50	784.00	392.00
	Carpenter 1st class				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10.00 sqm. Cost of 1.00 sqm. Say	day	0.50	645.00	322.50 2069.31 W 20.69 2090.00 X 293.65 2383.65 Y 357.55 2741.20 Z 27.41 2768.61 276.86 276.85

12.36.2 With Type SE - Self Extinguishing type 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7091	Details of cost for 10.00sqm.				
0314	Cost of materials : Expanded Polystyrens 1x10=10.00sqm. + Add wastage 10% = 1.00sqm. Total = 11.00sqm.				
9999	Expanded polystyrene type - SE Bitumen hot sealing compound : grade A	sqm	11.00	140.00	1540.00
0111	Sundries	kilogram	0.25	29.00	7.25
0114	LABOUR Carpenter 1st class	L.S.	13.00	2.12	27.56
	Beldar	day	0.50	784.00	392.00
	TOTAL	day	0.50	645.00	322.50
	Add 1 % Water charges on "W"				2289.31 W
	TOTAL				22.89
	Add GST on "X" (multiplying factor 0.1405)				2312.20 X
	TOTAL				324.86
	Add 15% CPOH on "Y"				2637.07 Y
	TOTAL				395.56
	Add Cess @ 1% on "Z"				3032.63 Z
	Cost of 10.00 sqm.				30.33
	Cost of 1 sqm.				3062.95
	Say				306.30
					306.30

12.37 Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement : 4 fine sand).

12.37.1 Stone ware spout

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 stone ware spout of 60cm long				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL				
3004	Stone ware spouts 100 mm dia 60 cm long	each	10.00	45.00	450.00
9977	CARRIAGE	L.S.	13.52	2.12	28.66
9999	Mortar	L.S.	13.52	2.12	28.66
0124	Labour for fixing and placing in position				
0114	Mason (brick layer) 2nd class	day	0.40	714.00	285.60
0114	Beldar	day	0.40	645.00	258.00
9999	Sundries	L.S.	5.33	2.12	11.30
	TOTAL				1062.22 W
	Add 1 % Water charges on "W"				10.62
	TOTAL				1072.85 X
	Add GST on "X" (multiplying factor 0.1405)				150.73
	TOTAL				1223.58 Y
	Add 15% CPOH on "Y"				183.54
	TOTAL				1407.12 Z
	Add Cess @ 1% on "Z"				14.07
	Cost of 10.00 spouts				1421.19
	Cost of 1.00 spout				142.12
	Say				142.10

12.38 Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc. :

12.38.1 100 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 5 nos.				
	MATERIAL				
1331	M.S.Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	5.00	30.00	150.00
9977	C.C. block 5x0.1x0.1x0.1 = 0.005 cum	L.S.	2.47	2.12	5.24
9999	Carriage of bat clamps	L.S.	7.15	2.12	15.16
	Sundries				
	LABOUR				
0116	Fitter (grade 1)	day	0.125	784.00	98.00
0124	Mason (brick layer) 2nd class	day	0.75	714.00	535.50
0114	Beldar	day	0.50	645.00	322.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.0033	1400.00	4.62
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0011	1350.00	1.49
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0044	163.93	0.72
0982	Coarse sand (zone III)	cum	0.0022	1500.00	3.30
2203	Carriage of Coarse sand	cum	0.0022	163.93	0.36
0367	Portland Cement (OPC-43 grade)	tonne	0.0016	5000.00	8.00
2209	Carriage of Cement	tonne	0.0016	145.72	0.23
0114	Beldar	day	0.0045	645.00	2.90
0115	Coolie	day	0.0032	645.00	2.06

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.0014	714.00	1.00
0123	Mason (brick layer) 1st class	day	0.0003	784.00	0.24
0124	Mason (brick layer) 2nd class	day	0.0003	714.00	0.21
0128	Mate	day	0.0002	714.00	0.14
9999	Hire charges of machine etc.	L.S.	0.26	2.12	0.55
9999	Sundries	L.S.	0.13	2.12	0.28
9999	Sundries	L.S.	0.13	2.12	0.28
	TOTAL				1152.78 W
	Add 1 % Water charges on "W"				11.53
	TOTAL				1164.30 X
	Add GST on "X" (multiplying factor 0.1405)				163.58
	TOTAL				1327.89 Y
	Add 15% CPOH on "Y"				199.18
	TOTAL				1527.07 Z
	Add Cess @ 1% on "Z"				15.27
	Cost of 5.00 bat clamps				1542.34
	Cost of 1.00 bat clamp				308.47
	Say				308.45

12.38.2 150 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0886	Details of cost of 5 nos. MATERIAL Standard holdar bat clamps for sand cast iron or cast iron pipes 150 mm dia C.C. block 5x0.1x0.1x0.1 = 0.005 cum	each	5.00	45.00	225.00
9977	Carriage of bat clamps	L.S.	2.47	2.12	5.24
9999	Sundries	L.S.	7.15	2.12	15.16
	LABOUR				
0116	Fitter (grade 1)	day	0.125	784.00	98.00
0124	Mason (brick layer) 2nd class	day	0.75	714.00	535.50
0114	Beldar	day	0.50	645.00	322.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.0033	1400.00	4.62
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0011	1350.00	1.49
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0044	163.93	0.72
0982	Coarse sand (zone III)	cum	0.0022	1500.00	3.30
2203	Carriage of Coarse sand	cum	0.0022	163.93	0.36
0367	Portland Cement (OPC-43 grade)	tonne	0.0016	5000.00	8.00
2209	Carriage of Cement	tonne	0.0016	145.72	0.23
0114	Beldar	day	0.0045	645.00	2.90
0115	Coolie	day	0.0032	645.00	2.06
0101	Bhisti	day	0.0014	714.00	1.00
0123	Mason (brick layer) 1st class	day	0.0003	784.00	0.24
0124	Mason (brick layer) 2nd class	day	0.0003	714.00	0.21
0128	Mate	day	0.0002	714.00	0.14
9999	Hire charges of machine etc.	L.S.	0.26	2.12	0.55
9999	Sundries	L.S.	0.13	2.12	0.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 5.00 bat clamps Cost of 1.00 bat clamp Say	L.S.	0.13	2.12	0.28 1227.78 W 12.28 1240.05 X 174.23 1414.28 Y 212.14 1626.42 Z 16.26 1642.69 328.54 328.55

12.39 Providing lead caulked joints to sand cast iron rain water pipes and fittings:
12.39.1 100 mm dia Pipe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one joint. MATERIAL				
0865	Pig lead	kilogram	0.98	130.00	127.40
1001	Spun yarn	kilogram	0.11	50.00	5.50
9999	Kerosene oil fuel and sundries	L.S.	13.52	2.12	28.66
9977	Carriage of materials	L.S.	1.43	2.12	3.03
	LABOUR				
0116	Fitter (grade 1)	day	0.06	784.00	47.04
0117	Assistant Fitter or 2nd class Fitter	day	0.06	714.00	42.84
0114	Beldar	day	0.12	645.00	77.40
	TOTAL				331.87 W
	Add 1 % Water charges on "W"				3.32
	TOTAL				335.19 X
	Add GST on "X" (multiplying factor 0.1405)				47.09
	TOTAL				382.29 Y
	Add 15% CPOH on "Y"				57.34
	TOTAL				439.63 Z
	Add Cess @ 1% on "Z"				4.40
	Cost of 1.00 joint				444.03
	Say				444.05

12.39.2 150 mm dia Pipe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one joint. MATERIAL				
0865	Pig lead	kilogram	1.48	130.00	192.40
1001	Spun yarn	kilogram	0.17	50.00	8.50
9999	Kerosene oil fuel and sundries	L.S.	13.52	2.12	28.66
9977	Carriage of materials	L.S.	2.73	2.12	5.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0116	LABOUR				
0117	Fitter (grade 1)	day	0.08	784.00	62.72
0114	Assistant Fitter or 2nd class Fitter	day	0.08	714.00	57.12
	Beldar	day	0.15	645.00	96.75
	TOTAL				451.94 W
	Add 1 % Water charges on "W"				4.52
	TOTAL				456.46 X
	Add GST on "X" (multiplying factor 0.1405)				64.13
	TOTAL				520.59 Y
	Add 15% CPOH on "Y"				78.09
	TOTAL				598.68 Z
	Add Cess @ 1% on "Z"				5.99
	Cost of 1.00 joint				604.67
	Say				604.65

12.40 Providing, fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately):

12.40.1 Sand cast iron plain shoes :

12.40.1.1 150 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0966	Details of cost for one shoe				
9988	Sand Cast iron plain shoe 150 mm dia	each	1.00	285.00	285.00
	Carriage, fixing and mortar	L.S.	17.55	2.12	37.21
	TOTAL				322.21 W
	Add 1 % Water charges on "W"				3.22
	TOTAL				325.43 X
	Add GST on "X" (multiplying factor 0.1405)				45.72
	TOTAL				371.15 Y
	Add 15% CPOH on "Y"				55.67
	TOTAL				426.82 Z
	Add Cess @ 1% on "Z"				4.27
	Cost of one shoe				431.09
	Say				431.10

12.41 Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.

12.41.1 75 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7188	Details of cost for 6.00 metres U-PVC pipes (working pressure 4 kg / sqcm.) Single socketed pipe 75 mm dia.	metre	6.00	70.00	420.00
7190	U-PVC pipes (working pressure 4 kg /sqcm.) Rubber (Seal) Ring 75 mm dia.	each	1.00	8.00	8.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of materials	L.S.	13.52	2.12	28.66
9999	Adhesive, and sundries etc.	L.S.	6.76	2.12	14.33
	LABOUR				
0116	Fitter (grade 1)	day	0.19	784.00	148.96
0114	Beldar	day	0.37	645.00	238.65
0100	Bandhani	day	0.08	714.00	57.12
9999	Scaffolding etc.	L.S.	18.59	2.12	39.41
	TOTAL				955.13 W
	Add 1 % Water charges on "W"				9.55
	TOTAL				964.69 X
	Add GST on "X" (multiplying factor 0.1405)				135.54
	TOTAL				1100.22 Y
	Add 15% CPOH on "Y"				165.03
	TOTAL				1265.26 Z
	Add Cess @ 1% on "Z"				12.65
	Cost of 6.00 metre				1277.91
	Cost of 1.00 metre				212.99
	Say				213.00

12.41.2 110 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7189	Details of cost for 6.00 metres U-PVC pipes (working pressure 4 kg / sqcm) Single socketed pipe 110 mm dia.	metre	6.00	130.00	780.00
7191	U-PVC pipes (working pressure 4 kg / sqcm.) Rubber (Seal) Ring 110 mm dia.	each	1.00	11.00	11.00
9977	Carriage of materials	L.S.	17.55	2.12	37.21
9999	Adhesive, and sundries etc.	L.S.	8.06	2.12	17.09
	LABOUR				
0116	Fitter (grade 1)	day	0.23	784.00	180.32
0114	Beldar	day	0.45	645.00	290.25
0100	Bandhani	day	0.11	714.00	78.54
9999	Scaffolding etc.	L.S.	18.59	2.12	39.41
	TOTAL				1433.81 W
	Add 1 % Water charges on "W"				14.34
	TOTAL				1448.15 X
	Add GST on "X" (multiplying factor 0.1405)				203.47
	TOTAL				1651.62 Y
	Add 15% CPOH on "Y"				247.74
	TOTAL				1899.36 Z
	Add Cess @ 1% on "Z"				18.99
	Cost of 6.00 metre				1918.35
	Cost of 1.00 metre				319.73
	Say				319.75

12.42 Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.

12.42.1 Coupler
12.42.1.1 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7192	Details of cost for 1 coupler UPVC coupler for UPVC drainage pipes 75 mm	each	1.00	18.00	18.00
7190	U-PVC pipes (working pressure 4 kg /sqcm.) Rubber (Seal) Ring 75 mm dia.	each	2.00	8.00	16.00
9999	Adhesive, and sundries etc. LABOUR	L.S.	2.73	2.12	5.79
9988	Carriage and fixing charges TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 coupler Say	L.S.	9.36	2.12	19.84 59.63 W 0.60 60.23 X 8.46 68.69 Y 10.30 78.99 Z 0.79 79.78 79.80

12.42.1.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7193	Details of cost for 1 coupler UPVC coupler for UPVC drainage pipes 110 mm	each	1.00	39.00	39.00
7191	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 110 mm dia.	each	2.00	11.00	22.00
9999	Adhesive, and sundries etc. LABOUR	L.S.	2.73	2.12	5.79
9988	Carriage and fixing charges TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 coupler Say	L.S.	10.79	2.12	22.87 89.66 W 0.90 90.56 X 12.72 103.28 Y 15.49 118.77 Z 1.19 119.96 119.95

12.42.2 Single pushfit Coupler**12.42.2.1 75 mm**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7194	Details of cost for 1 coupler UPVC pushfit coupler (single) 75 mm thick	each	1.00	18.00	18.00
7190	U-PVC pipes (working pressure 4 kg /sqcm.) Rubber (Seal) Ring 75 mm dia.	each	2.00	8.00	16.00
9999	Adhesive, and sundries etc.	L.S.	2.73	2.12	5.79
9988	Carriage and fixing charges TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 coupler Say	L.S.	9.36	2.12	19.84 59.63 W 0.60 60.23 X 8.46 68.69 Y 10.30 78.99 Z 0.79 79.78 79.80

12.42.2.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7195	Details of cost for 1 coupler UPVC pushfit coupler (single) 110 mm thick	each	1.00	32.00	32.00
7191	U-PVC pipes (working pressure 4 kg /sq.cm) Rubber (Seal) Ring 110 mm dia.	each	2.00	11.00	22.00
9999	Adhesive, and sundries etc.	L.S.	2.73	2.12	5.79
9988	Carriage and fixing charges TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 coupler Say	L.S.	10.79	2.12	22.87 82.66 W 0.83 83.49 X 11.73 95.22 Y 14.28 109.50 Z 1.10 110.60 110.60

12.42.3 Single tee with door**12.42.3.1 75x75x75 mm**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7198	Details of cost for 1 tee MATERIAL UPVC single equal Tee (with door) 75x75x75 mm	each	1.00	59.00	59.00
7190	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 75 mm dia.	each	3.00	8.00	24.00
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 tee Say	L.S.	10.76	2.12	22.81 105.81 W 1.06 106.87 X 15.02 121.88 Y 18.28 140.17 Z 1.40 141.57 141.55

12.42.3.2 110x110x110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7199	Details of cost for 1 tee MATERIAL UPVC single equal Tee (with door) 110x110x110 mm	each	1.00	92.00	92.00
7191	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 110 mm dia.	each	3.00	11.00	33.00
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 tee Say	L.S.	13.47	2.12	28.56 153.56 W 1.54 155.09 X 21.79 176.88 Y 26.53 203.41 Z 2.03 205.45 205.45

12.42.4 Single tee without door**12.42.4.1 75x75x75 mm**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7196	Details of cost for 1 tee MATERIAL UPVC single equal Tee (without door) 75x75x75 mm	each	1.00	46.00	46.00
7190	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 75 mm dia.	each	3.00	8.00	24.00
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 tee Say	L.S.	10.76	2.12	22.81 92.81 W 0.93 93.74 X 13.17 106.91 Y 16.04 122.95 Z 1.23 124.18 124.20

12.42.4.2 110x110x110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7197	Details of cost for 1 tee MATERIAL UPVC single equal Tee (without door) 110x110x110 mm	each	1.00	81.00	81.00
7191	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 110 mm dia.	each	3.00	11.00	33.00
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 tee Say	L.S.	13.47	2.12	28.56 142.56 W 1.43 143.98 X 20.23 164.21 Y 24.63 188.84 Z 1.89 190.73 190.75

12.42.5 Bend 87.5°**12.42.5.1 75 mm bend**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7208	Details of cost for 1 bend				
7190	UPVC bend 87.5° 75 mm bend	each	1.00	35.00	35.00
	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring				
	75 mm dia.				
9999	Adhesive, and sundries etc.	each	1.00	8.00	8.00
9988	Carriage and fixing charges	L.S.	2.73	2.12	5.79
	TOTAL	L.S.	9.36	2.12	19.84
	Add 1 % Water charges on "W"				68.63 W
	TOTAL				0.69
	Add GST on "X" (multiplying factor 0.1405)				9.74
	TOTAL				79.06 Y
	Add 15% CPOH on "Y"				11.86
	TOTAL				90.91 Z
	Add Cess @ 1% on "Z"				0.91
	Cost of 1 bend				91.82
	Say				91.80

12.42.5.2 110 mm bend

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7209	Details of cost for 1 bend				
7191	UPVC bend 87.5° 110 mm bend	each	1.00	59.00	59.00
	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring				
	110 mm dia.				
9999	Adhesive, and sundries etc.	each	1.00	11.00	11.00
9988	Carriage and fixing charges	L.S.	2.73	2.12	5.79
	TOTAL	L.S.	10.79	2.12	22.87
	Add 1 % Water charges on "W"				98.66 W
	TOTAL				0.99
	Add GST on "X" (multiplying factor 0.1405)				99.65 X
	TOTAL				14.00
	Add 15% CPOH on "Y"				113.65 Y
	TOTAL				17.05
	Add Cess @ 1% on "Z"				130.70 Z
	Cost of 1 bend				1.31
	Say				132.00
					132.00

12.42.6 Shoe (Plain)**12.42.6.1 75 mm Shoe**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7212	Details of cost for 1 shoe UPVC plain shoe 75 mm	each	1.00	27.00	27.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7190	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 75 mm dia.		each	1.00	8.00
9999	Adhesive, and sundries etc.		L.S.	2.73	2.12
9988	Carriage and fixing charges		L.S.	9.36	2.12
	TOTAL				19.84
	Add 1 % Water charges on "W"				60.63 W
	TOTAL				0.61
	Add GST on "X" (multiplying factor 0.1405)				8.60
	TOTAL				69.84 Y
	Add 15% CPOH on "Y"				10.48
	TOTAL				80.32 Z
	Add Cess @ 1% on "Z"				0.80
	Cost of 1 shoe				81.12
	Say				81.10

12.42.6.2 110 mm Shoe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7213	Details of cost for 1 shoe				
7191	UPVC plain shoe 110 mm	each	1.00	47.00	47.00
	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 110 mm dia.				
9999	Adhesive, and sundries etc.				
9988	Carriage and fixing charges				
	TOTAL				22.87
	Add 1 % Water charges on "W"				86.66 W
	TOTAL				0.87
	Add GST on "X" (multiplying factor 0.1405)				87.53 X
	TOTAL				12.30
	Add 15% CPOH on "Y"				99.83 Y
	TOTAL				14.97
	Add Cess @ 1% on "Z"				114.80 Z
	Cost of 1 shoe				1.15
	Say				115.95
					115.95

12.43 Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.

12.43.1 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7214	Details of cost for 5 nos. MATERIAL UPVC pipe clip 75 mm	each	5.00	15.00	75.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of U-PVC pipe clips	L.S.	2.47	2.12	5.24
0870	Plug	each	10.00	10.00	100.00
	LABOUR				
0116	Fitter (grade 1)	day	0.125	784.00	98.00
0124	Mason (brick layer) 2nd class	day	0.75	714.00	535.50
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries	L.S.	7.15	2.12	15.16
9999	Sundries	L.S.	0.91	2.12	1.93
9999	Sundries cement mortar 1:4 (1Cement : 4 Coarse sand)	L.S.	3.90	2.12	8.27
	TOTAL				1161.59 W
	Add 1 % Water charges on "W"				11.62
	TOTAL				1173.21 X
	Add GST on "X" (multiplying factor 0.1405)				164.84
	TOTAL				1338.04 Y
	Add 15% CPOH on "Y"				200.71
	TOTAL				1538.75 Z
	Add Cess @ 1% on "Z"				15.39
	Cost of 5 Nos.				1554.14
	Cost of 1 No.				310.83
	Say				310.85

12.43.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5 nos.				
	MATERIAL				
7215	UPVC pipe clip 110 mm	each	5.00	14.00	70.00
9977	Carriage of U-PVC pipe clips	L.S.	2.47	2.12	5.24
0870	Plug	each	10.00	10.00	100.00
	LABOUR				
0116	Fitter (grade 1)	day	0.125	784.00	98.00
0124	Mason (brick layer) 2nd class	day	0.75	714.00	535.50
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries	L.S.	7.15	2.12	15.16
9999	Sundries	L.S.	0.91	2.12	1.93
9999	Sundries cement mortar 1:4 (1Cement : 4 Coarse sand)	L.S.	3.90	2.12	8.27
	TOTAL				1156.59 W
	Add 1 % Water charges on "W"				11.57
	TOTAL				1168.16 X
	Add GST on "X" (multiplying factor 0.1405)				164.13
	TOTAL				1332.28 Y
	Add 15% CPOH on "Y"				199.84
	TOTAL				1532.13 Z
	Add Cess @ 1% on "Z"				15.32
	Cost of 5 Nos.				1547.45
	Cost of 1 No.				309.49
	Say				309.50

12.44 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7187	Details of cost for 1 grating MATERIAL C.I. grating 150 mm dia. (Weighing not less than 440 gm)	each	1.00	27.00	27.00
9977	Carriage of material and fixing charges TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of each grating Say	L.S.	4.16	2.12 0.36 5.08 41.26 6.19 47.45 0.47 47.92 47.90	8.82 35.82 W 0.36 36.18 X Y 47.45 Z

12.45 Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :

12.45.1 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.8x9.6m = 103.68sqm. MATERIAL Gypsum board 12.5mm thick = 103.68 sqm.+ Add wastage @ 5% = 5.18sqm. Total = 108.86 sqm.				
7009	12.5 mm thick tapered edge gypsum plain board	sqm	108.86	140.00	15240.40
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	46.00	10954.44
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	22.00	920.48
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	38.00	3447.36
7013	Strap hanger				
7014	Galvanised Steel angle hanger (Ceiling angle) (Size 25x10x0.50mm)	metre	10.80	12.00	129.60
7015	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	21.60	38.00	820.80
7016	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00
7020	All drive screws (for gypsum board)	100 Nos	10.00	58.00	580.00
7017	Joint filler	kilogram	22.81	24.00	547.44
7018	Joint finisher	kilogram	34.21	21.00	718.41
7021	Joint tape roll	roll	1.27	90.00	114.30
7388	Primer (for gypsum board)	litre	18.66	70.00	1306.20
9999	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00
9977	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.12	1711.48
	Carriage of material etc.	L.S.	447.20	2.12	948.06
	LABOUR :-				
0112	Carpenter 2nd class	day	31.104	714.00	22208.26
0114	Beldar	day	31.104	645.00	20062.08
0131	Painter	day	10.368	714.00	7402.75
	TOTAL				88804.06 W
	Add 1 % Water charges on "W"				888.04 X
	TOTAL				89692.10 Y
	Add GST on "X" (multiplying factor 0.1405)				12601.74 Z
	TOTAL				102293.84
	Add 15% CPOH on "Y"				15344.08
	TOTAL				117637.91
	Add Cess @ 1% on "Z"				1176.38
	Cost for 103.68 sqm.				118814.29
	Cost of 1 Sqm.				1145.97
	Say				1145.95

12.45.2 12.5 mm thick tapered edge Glass Reinforced Gypsum (GRG) board conforming to IS: 2095- (Part 3):1996 (Boards with BIS certification marks)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.8x9.6m = 103.68sqm. MATERIAL Gypsum board 12.5mm thick = 103.68 sqm.+ Add wastage @ 5% = 5.18sqm. Total = 108.86 sqm.				
7366	12.5 mm thick tapered edge Glass Reinforced Gypsum (GRG) board	sqm	108.86	240.00	26126.40
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	46.00	10954.44
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	22.00	920.48
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	38.00	3447.36
7013	Galvanised Steel angle hanger (Ceiling angle) (Size 25x10x0.50mm)	metre	10.80	12.00	129.60
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00
7020	All drive screws (for gypsum board)	100 Nos	10.00	58.00	580.00
7016	Joint filler	kilogram	22.81	24.00	547.44
7017	Joint finisher	kilogram	34.21	21.00	718.41
7018	Joint tape roll	roll	1.27	90.00	114.30
7021	Primer (for gypsum board)	litre	18.66	70.00	1306.20
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.12	1711.48
9977	Carriage of material etc.	L.S.	447.20	2.12	948.06
	LABOUR :-				
0112	Carpenter 2nd class	day	31.104	714.00	22208.26
0114	Beldar	day	31.104	645.00	20062.08
0131	Painter	day	10.37	714.00	7404.18
	TOTAL				99691.49 W
	Add 1 % Water charges on "W"				996.91
	TOTAL				100688.40 X
	Add GST on "X" (multiplying factor 0.1405)				14146.72
	TOTAL				114835.12 Y
	Add 15% CPOH on "Y"				17225.27
	TOTAL				132060.39 Z
	Add Cess @ 1% on "Z"				1320.60
	Cost of 103.68 sqm.				133380.99
	Cost of 1 Sqm.				1286.47
	Say				1286.45

12.45.3 12.5 mm thick tapered edge gypsum moisture resistant board

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.8x9.6m = 103.68sqm. MATERIAL Gypsum board 12.5mm thick = 103.68 sqm.+ Add wastage @ 5% = 5.18sqm. Total = 108.86 sqm.				
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	108.86	250.00	27215.00
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	46.00	10954.44
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	22.00	920.48
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	38.00	3447.36
7013	Galvanised Steel angle hanger (Ceiling angle) (Size 25x10x0.50mm)	metre	10.80	12.00	129.60
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00
7020	All drive screws (for gypsum board)	100 Nos	10.00	58.00	580.00
7016	Joint filler	kilogram	22.81	24.00	547.44
7017	Joint finisher	kilogram	34.21	21.00	718.41
7018	Joint tape roll	roll	1.27	90.00	114.30
7021	Primer (for gypsum board)	litre	18.66	70.00	1306.20
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.12	1711.48
9977	Carriage of material etc.	L.S.	447.20	2.12	948.06
	LABOUR				
0112	Carpenter 2nd class	day	31.104	714.00	22208.26
0114	Beldar	day	31.104	645.00	20062.08
0131	Painter	day	10.37	714.00	7404.18
	TOTAL				100780.09 W
	Add 1 % Water charges on "W"				1007.80
	TOTAL				101787.89 X
	Add GST on "X" (multiplying factor 0.1405)				14301.20
	TOTAL				116089.08 Y
	Add 15% CPOH on "Y"				17413.36
	TOTAL				133502.45 Z
	Add Cess @ 1% on "Z"				1335.02
	Cost of 103.68 sqm.				134837.47
	Cost of 1 Sqm.				1300.52
	Say				1300.50

12.45.4 Fully Perforated Gypsum Plaster Board of size 1200 x 2400x12.5 mm having approx. 15 % perforated area with perforation size and pattern as approved by the Engineer-in-charge and as per manufacturer's specification, with all 4 side tapered and backed by acoustical tissue with NRC value not less than 0.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.8x9.6m = 103.68sqm. MATERIAL Gypsum board 12.5mm thick = 103.68 sqm.+ Add wastage @ 5% = 5.18sqm. Total = 108.86 sqm.				
7028	12.5 mm thick Fully Perforated gypsum board	sqm	108.86	380.00	41366.80
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	46.00	10954.44
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	22.00	920.48
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	38.00	3447.36
7013	Galvanised Steel angle hanger (Ceiling angle) (Size 25x10x0.50mm)	metre	10.80	12.00	129.60
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00
7020	All drive screws (for gypsum board)	100 Nos	10.00	58.00	580.00
7016	Joint filler	kilogram	22.81	24.00	547.44
7017	Joint finisher	kilogram	34.21	21.00	718.41
7018	Joint tape roll	roll	1.27	90.00	114.30
7021	Primer (for gypsum board)	litre	18.66	70.00	1306.20
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.12	1711.48
9977	Carriage of material etc.	L.S.	447.20	2.12	948.06
	LABOUR :-				
0112	Carpenter 2nd class	day	31.104	714.00	22208.26
0114	Beldar	day	31.104	645.00	20062.08
0131	Painter	day	10.37	714.00	7404.18
	TOTAL				114931.89 W
	Add 1 % Water charges on "W"				1149.32
	TOTAL				116081.20 X
	Add GST on "X" (multiplying factor 0.1405)				16309.41
	TOTAL				132390.61 Y
	Add 15% CPOH on "Y"				19858.59
	TOTAL				152249.21 Z
	Add Cess @ 1% on "Z"				1522.49
	Cost of 103.68 sqm.				153771.70
	Cost of 1 Sqm.				1483.14
	Say				1483.15

12.46 Providing and fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermoplastic) grating square (Slit) 150 mm square with a height of 8 mm and weighing not less than 100 gms.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7857	Details of cost for 1 grating MATERIAL				
9977	P.T.M.T. Grating square slit 150mm Carriage of material and fixing charges	each L.S.	1.00 4.16	45.00 2.12	45.00 8.82
	TOTAL				53.82 W
	Add 1 % Water charges on "W"				0.54
	TOTAL				54.36 X
	Add GST on "X" (multiplying factor 0.1405)				7.64
	TOTAL				61.99 Y
	Add 15% CPOH on "Y"				9.30
	TOTAL				71.29 Z
	Add Cess @ 1% on "Z"				0.71
	Cost of each grating				72.01
	Say				72.00

12.47 Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovings incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.

12.47.1 2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8668	Details of cost for area of roof. 2x18.09x5.1 = 184.518 sqm.				
9977	MATERIAL UV stabilised 2 mm thick corrugated FRP sheet Carriage of sheet G.I.Seam bolts and nuts 60cm centre to centre zig-zag i.e. 30cm centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.	sqm L.S.	240.408 104.00	525.00 2.12	126214.20 220.48
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots G.I.,J or L hooks 8mm dia. (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 nos. of bolts in each sheet = 810 nos.	10 Nos	88.40	38.00	3359.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	81.00	120.00	9720.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	21.00	355.74
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	2.12	57.05
9999	Sundries	L.S.	53.82	2.12	114.10
	LABOUR				
0130	Mistry	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	15.50	714.00	11067.00
0114	Beldar	day	15.50	645.00	9997.50
	TOTAL				162632.67 W
	Add 1 % Water charges on "W"				1626.33
	TOTAL				164258.99 X
	Add GST on "X" (multiplying factor 0.1405)				23078.39
	TOTAL				187337.38 Y
	Add 15% CPOH on "Y"				28100.61
	TOTAL				215437.99 Z
	Add Cess @ 1% on "Z"				2154.38
	Cost of 184.518 Sqm.				217592.37
	Cost of 1 Sqm.				1179.25
	Say				1179.25

12.47.2 2 mm thick flat

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for area of roof. 2x18.09x5.1 = 184.518 sqm. MATERIAL				
8667	UV stabilised 2 mm thick plain FRP sheet	sqm	240.408	450.00	108183.60
9977	Carriage of sheet	L.S.	104.00	2.12	220.48
	G.I.Seam bolts and nuts 60cm centre to centre zig-zag i.e. 30cm centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.				
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots G.I.,J or L hooks 8mm dia. (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 nos. of bolts in each sheet = 810 nos.	10 Nos	88.40	38.00	3359.20
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	81.00	120.00	9720.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	21.00	355.74

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1208	Bitumen washer		100 Nos	16.94	30.00
9977	Carriage of bolts and washers		L.S.	26.91	2.12
9999	Sundries		L.S.	53.82	2.12
	LABOUR				
0130	Mistry	day	1.30	784.00	1019.20
0112	Carpenter 2nd class	day	15.50	714.00	11067.00
0114	Beldar	day	15.50	645.00	9997.50
	TOTAL				144602.07 W
	Add 1 % Water charges on "W"				1446.02
	TOTAL				146048.09 X
	Add GST on "X" (multiplying factor 0.1405)				20519.76
	TOTAL				166567.84 Y
	Add 15% CPOH on "Y"				24985.18
	TOTAL				191553.02 Z
	Add Cess @ 1% on "Z"				1915.53
	Cost of 184.518 Sqm.				193468.55
	Cost of 1 Sqm.				1048.51
	Say				1048.50

12.48 Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern on steel frame work complete (steel frame work to be paid separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL				
8670	Mangalore tiles 20 mm thick	each	160.00	8.00	1280.00
2207	Carriage of Brick tiles	1000 Nos	0.16	262.29	41.97
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.30	784.00	235.20
0114	Beldar	day	1.56	645.00	1006.20
9999	Sundries	L.S.	13.00	2.12	27.56
	TOTAL				2590.93 W
	Add 1 % Water charges on "W"				25.91
	TOTAL				2616.84 X
	Add GST on "X" (multiplying factor 0.1405)				367.67
	TOTAL				2984.50 Y
	Add 15% CPOH on "Y"				447.68
	TOTAL				3432.18 Z
	Add Cess @ 1% on "Z"				34.32
	Cost of 10 sqm				3466.50
	Cost of 1 sqm				346.65
	Say				346.65

12.49 Providing & laying on roof pressed clay tile ridge (Mangalore tile) of 20mm thickness and of approved pattern on steel frame work complete (steel frame work to be paid separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.60 metre				
	MATERIAL				
8669	Mangalore ridge tiles 20 mm thick	each	12.00	8.00	96.00
2207	Carriage of Brick tiles	1000 Nos	0.012	262.29	3.15
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.01	784.00	7.84
0114	Beldar	day	0.15	645.00	96.75
9999	Sundries	L.S.	2.60	2.12	5.51
	TOTAL				209.25 W
	Add 1 % Water charges on "W"				2.09
	TOTAL				211.34 X
	Add GST on "X" (multiplying factor 0.1405)				29.69
	TOTAL				241.04 Y
	Add 15% CPOH on "Y"				36.16
	TOTAL				277.19 Z
	Add Cess @ 1% on "Z"				2.77
	Cost of 3.60 metre				279.96
	Cost for 1 metre				77.77
	Say				77.75

12.50 Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 216.14 sqm. Consider a shed of 20x10 metres. (External dimensions of plinth). Area of roof- $20.2 \times 10.70m = 216.14$ sqm. MATERIAL Sheets used = 20 nos.x10.70mx1.06m = 226.84sqm Add 3% wastage = 6.81 Total = 233.65sqm.				
8671	Precoated galvanised iron profile sheet 0.50 mm TCT	sqm	233.65	375.00	87618.75
9977	Carriage of sheets	L.S.	104.00	2.12	220.48

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	47.60	120.00	5712.00
1208	Bitumen washer	100 Nos	4.76	30.00	142.80
1209	G.I. plain washer thick	100 Nos	4.76	35.00	166.60
9977	Carriage of bolts and nuts, washers etc.	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
	LABOUR				
0130	Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76
0114	Beldar	day	9.34	645.00	6024.30
	TOTAL				108489.12 W
	Add 1 % Water charges on "W"				1084.89
	TOTAL				109574.01 X
	Add GST on "X" (multiplying factor 0.1405)				15395.15
	TOTAL				124969.16 Y
	Add 15% CPOH on "Y"				18745.37
	TOTAL				143714.53 Z
	Add Cess @ 1% on "Z"				1437.15
	Cost of 216.14 sqm.				145151.68
	Cost of 1.00 sqm.				671.56
	Say				671.55

12.51 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :

12.51.1 Ridges plain (500 - 600mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 20.20 metre One piece plain ridges Consider a shed of 20x10m (external dimensions at plinth). Length of ridges 20.2 metre + 5% wastage = 23.11 metre. MATERIAL Precoated galvanised steel plain ridges 0.50 mm TCT and 500 -600 mm wide Carriage (The ridge is to be fixed with the same hooks as the Sheets)				
8672	Sundries	metre	23.11	225.00	5199.75
9977	LABOUR	L.S.	13.52	2.12	28.66
9999	Mistry	L.S.	6.76	2.12	14.33
0130	Carpenter 2nd class	day	0.14	784.00	109.76
0112		day	0.55	714.00	392.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 20.20 metre Cost of 1.00 metre Say	day	1.64	645.00	1057.80 6803.00 W 68.03 6871.03 X 965.38 7836.41 Y 1175.46 9011.88 Z 90.12 9101.99 450.59 450.60

12.51.2 Flashings/ Aprons.(Upto 600 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8673	Details for shed of 20.2 metres completed length MATERIAL Precoated galvanised steel flashings/ aprons 0.50mm TCT and wide upto 600 mm 20.20 + 5% wastage = 23.11 metre	metre	23.11	235.20	5435.47
9977	Carriage of appron pieces. (The appron pieces are to be fixed with the same hooks as the sheets)	L.S.	3.25	2.12	6.89
9999	Sundries	L.S.	3.25	2.12	6.89
0130	LABOUR Mistry	day	0.07	784.00	54.88
0112	Carpenter 2nd class	day	0.28	714.00	199.92
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 20.20 metre Cost of 1.00 metre Say	day	0.82	645.00	528.90 6232.95 W 62.33 6295.28 X 884.49 7179.77 Y 1076.97 8256.73 Z 82.57 8339.30 412.84 412.85

12.51.3 North light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of North light curve 20.20 metres long complete length MATERIAL Precoated galvanised steel north light curves $20.20 + 5\% \text{ wastage} = 23.11 \text{ metre}$				
8675	20.20 + 5% wastage = 23.11 metre Galvanised steel J or L hooks 8 mm dia	metre	23.11	240.00	5546.40
1023	10 Nos		4.00	120.00	480.00
1209	100 Nos		0.40	35.00	14.00
1208	100 Nos		0.40	30.00	12.00
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.12	20.95
9999	Sundries	L.S.	6.24	2.12	13.23
	LABOUR				
0130	Mistry	day	0.10	784.00	78.40
0112	Carpenter 2nd class	day	0.30	714.00	214.20
0114	Beldar	day	1.00	645.00	645.00
	TOTAL				7024.17 W
	Add 1 % Water charges on "W"				70.24
	TOTAL				7094.42 X
	Add GST on "X" (multiplying factor 0.1405)				996.77
	TOTAL				8091.18 Y
	Add 15% CPOH on "Y"				1213.68
	TOTAL				9304.86 Z
	Add Cess @ 1% on "Z"				93.05
	Cost of 20.20 metre				9397.91
	Cost of 1.00 metre				465.24
	Say				465.25

12.51.4 Barge board (Upto 300 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 8.23 metres Completed length of barge boards = $8.23 + 5\% \text{ wastage} = 8.64 \text{ metre}$				
	MATERIAL				
8676	Precoated galvanised steel barge board	metre	8.64	230.00	1987.20
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.50	10.00	5.00
1211	G.I. plain washer for seam bolts	100 Nos	0.10	32.00	3.20
1208	Bitumen washer	100 Nos	0.05	30.00	1.50
9977	Carriage of barge boards, bolts, nuts and washers	L.S.	9.36	2.12	19.84
9999	Sundries	L.S.	6.76	2.12	14.33
	LABOUR				
0130	Mistry	day	0.04	784.00	31.36
0112	Carpenter 2nd class	day	0.06	714.00	42.84

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 8.23 metre Cost of 1.00 metre Say	day	0.40	645.00	258.00 2363.27 W 23.63 2386.91 X 335.36 2722.27 Y 408.34 3130.61 Z 31.31 3161.91 384.19 384.20

12.51.5 Crimp curve

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of crimp curve 20.2 metres long complete length, Area $20.20 \times 1.06 = 21.412$ sqm MATERIAL 8677 Precoated galvanised steel crimp curve 1023 Galvanised steel J or L hooks 8 mm dia 1209 G.I. plain washer thick 1208 Bitumen washer 9977 Carriage of hooks, nuts, washers and curves 9999 Sundries LABOUR 0130 Mistry 0112 Carpenter 2nd class 0114 Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 21.412 sqm Cost of 1.00 sqm Say	sqm 10 Nos 100 Nos 100 Nos L.S. L.S. day day day	22.483 4.00 0.40 0.40 9.88 6.24 0.10 0.30 1.00	235.00 120.00 35.00 30.00 2.12 2.12 784.00 714.00 645.00 6761.28 W 67.61 6828.89 X 959.46 7788.35 Y 1168.25 8956.60 Z 89.57 9046.17 422.48 422.50	5283.51 480.00 14.00 12.00 20.95 13.23 78.40 214.20 645.00 6761.28 W 67.61 6828.89 X 959.46 7788.35 Y 1168.25 8956.60 Z 89.57 9046.17 422.48 422.50

12.51.6 Gutter (600 mm over all girth)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost of 10 metre 0.63mm thick with zinc coating not less than 275gm/sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Consider a length of 10.00m Sheet used = 10x1.06m x 0.60 = 6.36 sqm. Total = 6.36 metre				
8674	Precoated galvanised steel gutter	metre	10.00	440.00	4400.00
9977	Carriage of gutter	L.S.	1.04	2.12	2.20
1008	Flats upto 10 mm in thickness	quintal	0.0749	4850.00	363.27
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	2.00	38.00	76.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	30.00	9.00	270.00
1210	G.I. plain washer thin	100 Nos	0.70	21.00	14.70
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of G.I. seam bolts and washers	L.S.	2.73	2.12	5.79
9999	Sundries	L.S.	5.33	2.12	11.30
	LABOUR				
0102	Blacksmith 1st class	day	0.50	784.00	392.00
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries	L.S.	12.61	2.12	26.73
0130	Mistry	day	0.28	784.00	219.52
0102	Blacksmith 1st class	day	0.84	784.00	658.56
0112	Carpenter 2nd class	day	0.62	714.00	442.68
0114	Beldar	day	1.68	645.00	1083.60
	TOTAL				8300.85 W
	Add 1 % Water charges on "W"				83.01
	TOTAL				8383.86 X
	Add GST on "X" (multiplying factor 0.1405)				1177.93
	TOTAL				9561.79 Y
	Add 15% CPOH on "Y"				1434.27
	TOTAL				10996.06 Z
	Add Cess @ 1% on "Z"				109.96
	Cost of 10.00 metres				11106.02
	Cost of 1.00 metre				1110.60
	Say				1110.60

- 12.52** Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with

galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.

12.52.1 GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8599	Details of cost for 100 sqm. MATERIAL Ceiling Area =100 sqm Add wastage @ 5% = 0.05 sqm. Total=100.05 sqm GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595mm and 0.5 mm thick				
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long) Including Wastage @ 10%	sqm	105.00	625.00	65625.00
8612	Perimeter wall angle 24x24x0.3mm (3 metre long) Including Wastage @ 10%	each	29.50	130.00	3835.00
8613	Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	13.50	80.00	1080.00
8614	Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	40.00	5880.00
8615	Hanger rod 4 mm thick	each	147.00	20.00	2940.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	10.00	720.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	6.00	432.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	5.00	360.00
9999	Sundries i.e. scaffolding etc.	L.S.	72.00	10.00	720.00
9977	Carriage of materials etc.	L.S.	187.95	2.12	398.45
	LABOUR				
0111	Carpenter 1st class	day	89.28	784.00	14835.00
0114	Beldar	day	28.00	645.00	118966.73 W
	TOTAL				1189.67
	Add 1 % Water charges on "W"				120156.39 X
	TOTAL				
	Add GST on "X" (multiplying factor 0.1405)				16881.97
	TOTAL				137038.37 Y
	Add 15% CPOH on "Y"				20555.76
	TOTAL				157594.12 Z
	Add Cess @ 1% on "Z"				1575.94
	Cost of 100 sqm.				159170.06
	Cost of 1 sqm.				1591.70
	Say				1591.70

12.52.2 GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8600	Details of cost for 100 sqm. MATERIAL Ceiling Area =100 sqm Add wastage @ 5% = 0.05 sqm. Total=100.05 sqm GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595mm and 0.5 mm thick				
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long) Including Wastage @ 10%	sqm	105.00	735.00	77175.00
8612	Perimeter wall angle 24x24x0.3mm (3 metre long) Including Wastage @ 10%	each	29.50	130.00	3835.00
8613	Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	13.50	80.00	1080.00
8614	Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	40.00	5880.00
8615	Hanger rod 4 mm thick	each	147.00	20.00	2940.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	10.00	720.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	6.00	432.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	5.00	360.00
9999	Sundries i.e. scaffolding etc.	L.S.	72.00	10.00	720.00
9977	Carriage of materials etc.	L.S.	187.95	2.12	398.45
	LABOUR				
0111	Carpenter 1st class	day	89.28	784.00	189.27
0114	Beldar	day	28.00	645.00	21952.00
	TOTAL				14835.00
	Add 1 % Water charges on "W"				130516.73 W
	TOTAL				1305.17
	Add GST on "X" (multiplying factor 0.1405)				131821.89 X
	TOTAL				18520.98
	Add 15% CPOH on "Y"				150342.87 Y
	TOTAL				22551.43
	Add Cess @ 1% on "Z"				172894.30 Z
	Cost of 100 sqm.				1728.94
	Cost of 1 sqm.				174623.24
	Say				1746.23
					1746.25

12.52.3 **12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8601	Details of cost for 100 sqm. MATERIAL Ceiling Area =100 sqm Add wastage @ 5% = 0.05 sqm. Total=100.05 sqm PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick				
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	sqm	105.00	880.00	92400.00
8612	Including Wastage @ 10% Perimeter wall angle 24x24x0.3mm (3 metre long)	each	29.50	130.00	3835.00
8613	Including Wastage @ 10% Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long)	each	13.50	80.00	1080.00
8614	Including Wastage @ 10% on Grid for cut outs Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long)	each	147.00	40.00	5880.00
8615	Including Wastage @ 10% on Grid for cut outs Hanger rod 4 mm thick	each	147.00	20.00	2940.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	10.00	720.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	6.00	432.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	4.00	288.00
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	10.00	398.45
9977	Carriage of materials etc.	L.S.	89.28	2.12	189.27
	LABOUR				
0111	Carpenter 1st class	day	28.00	784.00	21952.00
0114	Beldar	day	23.00	645.00	14835.00
	TOTAL				145669.73 W
	Add 1 % Water charges on "W"				1456.70
	TOTAL				147126.42 X
	Add GST on "X" (multiplying factor 0.1405)				20671.26
	TOTAL				167797.69 Y
	Add 15% CPOH on "Y"				25169.65
	TOTAL				192967.34 Z
	Add Cess @ 1% on "Z"				1929.67
	Cost of 100 sqm.				194897.01
	Cost of 1 sqm.				1948.97
	Say				1948.95

12.52.4 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8602	Details of cost for 100 sqm. MATERIAL Ceiling Area =100 sqm Add wastage @ 5% = 0.05 sqm. Total=100.05 sqm Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	105.00	380.00	39900.00
8611	Main T ceiling sections 24x38x 0.3 mm (3 metre long) Including Wastage @ 10%	each	29.50	130.00	3835.00
8612	Perimeter wall angle 24x24x 0.3mm (3 metre long) Including Wastage @ 10%	each	13.50	80.00	1080.00
8613	Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	40.00	5880.00
8614	Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	20.00	2940.00
8615	Hanger rod 4 mm thick	each	72.00	10.00	720.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	6.00	432.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	5.00	360.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	2.12	398.45
9977	Carriage of materials etc.	L.S.	89.28	2.12	189.27
	LABOUR				
0111	Carpenter 1st class	day	28.00	784.00	21952.00
0114	Beldar	day	23.00	645.00	14835.00
	TOTAL				93241.73 W
	Add 1 % Water charges on "W"				932.42
	TOTAL				94174.14 X
	Add GST on "X" (multiplying factor 0.1405)				13231.47
	TOTAL				107405.61 Y
	Add 15% CPOH on "Y"				16110.84
	TOTAL				123516.45 Z
	Add Cess @ 1% on "Z"				1235.16
	Cost of 100 sqm.				124751.62
	Cost of 1 sqm.				1247.52
	Say				1247.50

12.53 Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calicum silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main 'T', bottom exposed with 24 mm of all Tsections shall be pre-painted with polyster baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8589	Details of cost for 100 sqm. MATERIAL Calcium Silicate tegular edged ceiling tiles 495x495 mm and 15 mm thick Area = 100 sqm + Add 5% wastage = 5 sqm Total = 105 sqm	sqm	105.00	685.00	71925.00
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33mm (3.00 metre long)	each	29.50	140.00	4130.00
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	13.50	90.00	1215.00
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (1.2 metre long)	each	147.00	45.00	6615.00
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33. (0.6 metre long)	each	147.00	22.00	3234.00
8615	Hanger rod 4 mm thick	each	72.00	10.00	720.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	6.00	432.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	5.00	360.00
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	100.00	1.00	100.00
9999	scaffolding etc.	L.S.	498.65	2.12	1057.14
9977	Carriage of materials etc.	L.S.	237.48	2.12	503.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	310.70	2.12	658.68
0111	LABOUR				
0114	Carpenter 1st class	day	28.00	784.00	21952.00
	Beldar	day	23.00	645.00	14835.00
	TOTAL				128457.28 W
	Add 1 % Water charges on "W"				1284.57
	TOTAL				129741.85 X
	Add GST on "X" (multiplying factor 0.1405)				18228.73
	TOTAL				147970.58 Y
	Add 15% CPOH on "Y"				22195.59
	TOTAL				170166.17 Z
	Add Cess @ 1% on "Z"				1701.66
	Cost of 100 sqm.				171867.83
	Cost of 1 sqm.				1718.68
	Say				1718.70

12.54 Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring T with :

12.54.1 GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8597	Details of cost for 100 sqm. MATERIAL Ceiling Area =100 sqm Add wastage @ 5% = 5 sqm. Total=105 sqm GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5mm thick				
8604	Spring T-section 24x34x0.45 mm (3.00 meter long) Including Wastage @ 10%	sqm	105.00	710.00	74550.00
		metre	60.00	220.00	13200.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8605	C Wall angle section 20x30x20x 0.50 mm (3.00 meter long) Including Wastage @ 10%	metre	27.70	110.00	3047.00
8606	Main C Carrier Size 10x38x10x0.70mm (3.00 meter long) Including Wastage @ 10% on Grid for cut outs	metre	33.00	130.00	4290.00
8607	Spring T-connector	each	44.00	5.00	220.00
8608	C Carrier Connector	each	44.00	12.00	528.00
8609	C Suspension Clip	each	88.00	10.00	880.00
8610	Wire Coupling Clip	each	333.00	10.00	3330.00
8615	Hanger rod 4 mm thick	each	80.00	10.00	800.00
8616	Adjustment clip 85x30x0.8mm	each	80.00	6.00	480.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	80.00	5.00	400.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	80.00	10.00	800.00
9999	Sundries i.e. scaffolding etc.	L.S.	188.00	2.12	398.56
9977	Carriage of materials etc.	L.S.	90.00	2.12	190.80
	LABOUR				
0111	Carpenter 1st class	day	28.00	784.00	21952.00
0114	Beldar	day	23.00	645.00	14835.00
	TOTAL				139901.36 W
	Add 1 % Water charges on "W"				1399.01
	TOTAL				141300.37 X
	Add GST on "X" (multiplying factor 0.1405)				19852.70
	TOTAL				161153.08 Y
	Add 15% CPOH on "Y"				24172.96
	TOTAL				185326.04 Z
	Add Cess @ 1% on "Z"				1853.26
	Cost of 100 sqm.				187179.30
	Cost of 1 sqm.				1871.79
	Say				1871.80

12.54.2 GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8598	Details of cost for 100 sqm. MATERIAL Ceiling Area =100 sqm Add wastage @ 5% = 5 sqm. Total=105 sqm GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5mm thick	sqm	105.00	800.00	84000.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8604	Spring T-section 24x34x0.45 mm (3.00 meter long) Including Wastage @ 10%	metre	60.00	220.00	13200.00
8605	C Wall angle section 20x30x20x 0.50 mm (3.00 meter long) Including Wastage @ 10%	metre	27.70	110.00	3047.00
8606	Main C Carrier Size 10x38x10x0.70mm (3.00 meter long) Including Wastage @ 10% on Grid for cut outs	metre	33.00	130.00	4290.00
8607	Spring T-connector	each	44.00	5.00	220.00
8608	C Carrier Connector	each	44.00	12.00	528.00
8609	C Suspension Clip	each	88.00	10.00	880.00
8610	Wire Coupling Clip	each	333.00	10.00	3330.00
8615	Hanger rod 4 mm thick	each	80.00	10.00	800.00
8616	Adjustment clip 85x30x0.8mm	each	80.00	6.00	480.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	80.00	5.00	400.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	80.00	10.00	800.00
9999	Sundries i.e. scaffolding etc.	L.S.	188.00	2.12	398.56
9977	Carriage of materials etc.	L.S.	90.00	2.12	190.80
	LABOUR				
0111	Carpenter 1st class	day	28.00	784.00	21952.00
0114	Beldar	day	23.00	645.00	14835.00
	TOTAL				149351.36 W
	Add 1 % Water charges on "W"				1493.51
	TOTAL				150844.87 X
	Add GST on "X" (multiplying factor 0.1405)				21193.70
	TOTAL				172038.58 Y
	Add 15% CPOH on "Y"				25805.79
	TOTAL				197844.37 Z
	Add Cess @ 1% on "Z"				1978.44
	Cost of 100 sqm.				199822.81
	Cost of 1 sqm.				1998.23
	Say				1998.25

12.55 Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300 mm x 20 mm) with SRI (solar refractive index) > 78, solar reflection > 0.70 and initial emittance > 0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1:4 (1 cement : 4 coarse sand) and grouting the joints with mix of white cement & marble powder in ratio of 1:1, including rubbing and polishing of the surface upto 3 cuts complete, including providing skirting upto 150 mm height along the parapet walls in the same manner.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm Area= 10 sqm+ Add wastage @ 3%=0.3 sqm Total=10.30 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1204	MATERIAL Precast heat resistant terrace tiles (size 300x300mm) and 20mm thick Cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	10.30	409.00	4212.70
3.9	Rate as per Item No.3.9 of SH:Mortar	cum	0.224	4355.20	975.56
0367	Portland Cement (OPC-43 grade)	tonne	0.044	5000.00	220.00
0368	White Cement	tonne	0.044	11200.00	492.80
2209	Carriage of Cement	tonne	0.088	145.72	12.82
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	60.00	184.80
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	714.00	1142.40
0115	Coolie	day	2.00	645.00	1290.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	714.00	714.00
0101	Bhisti	day	1.00	714.00	714.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including carborandum stone etc.	L.S.	169.98	2.12	360.36
	TOTAL				10799.45 W
	Add 1 % Water charges on "W"				107.99
	TOTAL				10907.44 X
	Add GST on "X" (multiplying factor 0.1405)				1532.50
	TOTAL				12439.94 Y
	Add 15% CPOH on "Y"				1865.99
	TOTAL				14305.93 Z
	Add Cess @ 1% on "Z"				143.06
	Cost of 10 sqm				14448.99
	Cost of 1 sqm				1444.90
	Say				1444.90

12.56 Providing and laying roof insulation with 40 mm thick impervious sprayed, closed cell free Rigid Polyurethane foam over deck insulation conforming to IS - 12432 Pt. III (density of foam being 40-45 kg/ cum), over a coat of polyurethane primer applied @ 6-8 sqm per litre, laying 400 G polythene sheet over PUF spray and providing a wearing course of 40 mm thick cement screed 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) in chequered rough finish, in panels of 2.5 m x 2.5 m and embedding with 24 G wire netting and sealing the joints with polymerized mastic, all complete as per direction of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7050	Details of cost for 1 sqm MATERIAL PU Primer Area for PU Spray = 1 sqm+ Add for wastage @ 10%=0.10 sqm Total=1.10 sqm	sqm	1.00	50.00	50.00
7051	40 mm (average) PU spray having 40-45 kg/m ³ density	sqm	1.10	350.00	385.00
7052	GI wire netting 3/4" x 24 G	sqm	1.00	26.00	26.00
9999	Sundries	L.S.	6.71	2.12	14.23

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Polymerized mastic for all joints	L.S.	20.13	2.12	42.68
7053	400 G polythene sheet	sqm	1.00	12.00	12.00
9999	Cement	L.S.	44.67	2.12	94.70
9999	Graded stone	L.S.	13.75	2.12	29.15
9999	Sand	L.S.	21.48	2.12	45.54
9977	Carriage of material	L.S.	16.78	2.12	35.57
	LABOUR				
9999	For PU spray	L.S.	80.54	2.12	170.74
9999	For cement screed with Polythene sheet	L.S.	53.69	2.12	113.82
	TOTAL				1019.43 W
	Add 1 % Water charges on "W"				10.19
	TOTAL				1029.62 X
	Add GST on "X" (multiplying factor 0.1405)				144.66
	TOTAL				1174.29 Y
	Add 15% CPOH on "Y"				176.14
	TOTAL				1350.43 Z
	Add Cess @ 1% on "Z"				13.50
	Cost of 1 sqm				1363.93
	Say				1363.95

12.57 Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m³, 50 mm thick, wrapped in 200G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL Area for 10.00sqm. (Finished surface) = 10.00sqm.+ Add Wastage @ 10% =1.00 sqm Total =11.00sqm 7232 Resin Bonded Glass wool 24 kg/m ³ 50 mm thick	sqm	11.00	130.00	1430.00
9999	Sundries including GL wire 20 SWg and Virgin polythene bags 200 gram LABOUR	L.S.	52.00	2.12	110.24
0111	Carpenter 1st class	day	0.50	784.00	392.00
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries (screws and washers) TOTAL	L.S.	20.00	2.12	42.40
	Add 1 % Water charges on "W"				2297.14 W
	TOTAL				22.97
	Add GST on "X" (multiplying factor 0.1405)				2320.11 X
	TOTAL				325.98
	Add 15% CPOH on "Y"				2646.09 Y
	TOTAL				396.91
	Add Cess @ 1% on "Z"				3043.00 Z
	Cost of 10 sqm				30.43
	Cost of 1 sqm				3073.43
	Say				307.34
					307.35

12.58 Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.

12.58.1 8 mm thick fully perforated calcium silicate board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with minimum compressive strength 225 kg/ sq. cm, bending strength 100 kg/sq. cm , of size 595x595 mm, having perforation of dia. 10 mm with minimum perforated area 18 % with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.85, with 50 mm thick rockwool of 48 kg /cum backing.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 sqm Ceiling area = 100 sq.m Add wastage @ 5% = 0.05 Sqm Total =100.05 Sq.m MATERIALS : 8784 8mm thick Calcium silicate perforated tiles of size 595 x595mm 8611 Main T ceiling sections 24x38x0.3 mm (3 metre long) 8612 Perimeter wall angle 24x24x0.3mm (3 metre long) 8613 Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long) 8614 Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long) 8615 Hanger rod 4 mm thick 8616 Adjustment clip 85x30x0.8mm 8617 Soffit cleat (Size 27x37x25x1.60mm) 7388 Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt 9977 Sundries 9999 Sundries i.e scaffolding etc. LABOUR : 0111 Carpenter 1st class				
8784	sqm	100.05	850.00	85042.50	
8611	each	29.50	130.00	3835.00	
8612	each	13.50	80.00	1080.00	
8613	each	147.00	40.00	5880.00	
8614	each	147.00	20.00	2940.00	
8615	each	72.00	10.00	720.00	
8616	each	72.00	6.00	432.00	
8617	each	72.00	5.00	360.00	
7388	each	72.00	10.00	720.00	
9977	L.S.	89.28	2.12	189.27	
9999	L.S.	187.95	2.12	398.45	
0111	day	28.00	784.00	21952.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 100 sqm. Cost of 1 sqm. Say	day	23.00	645.00	14835.00 138384.23 W 1383.84 139768.07 X 19637.41 159405.48 Y 23910.82 183316.31 Z 1833.16 185149.47 1851.49 1851.50

- 12.59 Providing & fixing false ceiling at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I channels 45 x15 x 0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, including fixing of Calcium Silicate Board to ceiling section and perimeter channels with the help of dry wall screws of size 3.5 x25mm at 230mm c/c, including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes,finishing with jointing compounds in three layers covering up to 150mm on both sides of joints and two coats of primer suitable for boards, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed, all complete as per drawings, specifacaton and direction of the Engineer in charge but excluding the cost of painting with:
- 12.59.1 8 mm thick Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.8 m x 9.6m = 103.68sqm MATERIALS: Area = 103.68 sq.m + Add. Wastage of 5% = 5.18 Sq.m Total = 108.86 Sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8699	MATERIALS :				
8699	8 mm thick tapered edge calcium silicate board	sqm	108.86	270.00	29392.20
7010	G.I Ceiling Section (80 x26mm x 26mm x10.5mm each lip x 0.55 mm)	metre	238.14	46.00	10954.44
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	22.00	920.48
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	38.00	3447.36
7013	Galvanised Steel angle hanger (Ceiling angle) (Size 25x10x0.50mm)	metre	10.80	12.00	129.60
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	5.00	360.00
7020	All drive screws (for gypsum board)	100 Nos	10.00	58.00	580.00
7016	Joint filler	kilogram	22.81	24.00	547.44
7017	Joint finisher	kilogram	34.21	21.00	718.41
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00
7018	Joint Tape roll (120mm Roll)	roll	1.27	90.00	114.30
7021	Primer (for gypsum board// calcium silicate board)	litre	18.66	70.00	1306.20
9977	Carriage	L.S.	447.20	2.12	948.06
9999	Sundries i.e rawl plug, scaffolding etc.	L.S.	807.30	2.12	1711.48
	LABOUR :				
0112	Carpenter 2nd class	day	31.10	714.00	22205.40
0114	Beldar	day	31.10	645.00	20059.50
0131	Painter	day	10.37	714.00	7404.18
	TOTAL				103095.85 W
	Add 1 % Water charges on "W"				1030.96
	TOTAL				104126.81 X
	Add GST on "X" (multiplying factor 0.1405)				14629.82
	TOTAL				118756.63 Y
	Add 15% CPOH on "Y"				17813.49
	TOTAL				136570.12 Z
	Add Cess @ 1% on "Z"				1365.70
	Cost of 103.68 sqm.				137935.82
	Cost of 1 sqm.				1330.40
	Say				1330.40

12.60 Providing and fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Rockwool conforming to IS: 8183,density 48 kg/ m3, 50 mm thick, wrapped in 200 G Virgin Polythene bags fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5mm x 24 gauge wire mesh, for top most ceiling of building.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm Area for 10.00 sqm. (Finished surface)=10.00sqm.+ Add 10% for overlappings & wastage = 1.00sqm. Total= 11.00sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7273	Resin Bonded Rockwool 48 kg/m3	sqm	11.00	110.00	1210.00
9999	Sundries including GI wire 20 SWG and polythene bags 200gms	L.S.	104.00	2.12	220.48
9999	GI chiken mesh 12.5mm x 24 SWG	L.S.	351.00	2.12	744.12
	LABOUR				
0111	Carpenter 1st class	day	1.00	784.00	784.00
0114	Beldar	day	2.00	645.00	1290.00
	TOTAL				4248.60 W
	Add 1 % Water charges on "W"				42.49
	TOTAL				4291.09 X
	Add GST on "X" (multiplying factor 0.1405)				602.90
	TOTAL				4893.98 Y
	Add 15% CPOH on "Y"				734.10
	TOTAL				5628.08 Z
	Add Cess @ 1% on "Z"				56.28
	Cost of 10 sqm.				5684.36
	Cost of 1 sqm.				568.44
	Say				568.45

12.61 Providing and fixing thermal insulation with Resin bonded rock wool conforming to IS: 8183, density 48 kg/m3, 50 mm thick, wrapped in 200 G virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm Area for 10.00sqm. (Finished surface)=10.00sqm.+ Add 10% for overlappings & wastage= 1.00sqm. Total= 11.00sqm				
7273	Resin Bonded Rockwool 48 kg/m3	sqm	11.00	110.00	1210.00
9999	Sundries including GI wire 20 SWG and polythene bags 200gms	L.S.	52.00	2.12	110.24
	LABOUR				
0111	Carpenter 1st class	day	0.50	784.00	392.00
0114	Beldar	day	0.50	645.00	322.50
	TOTAL				2034.74 W
	Add 1 % Water charges on "W"				20.35
	TOTAL				2055.09 X
	Add GST on "X" (multiplying factor 0.1405)				288.74
	TOTAL				2343.83 Y
	Add 15% CPOH on "Y"				351.57
	TOTAL				2695.40 Z
	Add Cess @ 1% on "Z"				26.95
	Cost of 10 sqm				2722.36
	Cost of 1 sqm				272.24
	Say				272.25

12.62 Providing and fixing thermal insulation with Resin Bonded rock wool conforming to IS: 8183, having density 48 kg/m³, 50 mm thick, wrapped in 200 G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held and in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm Area for 10.00sqm. (Finished surface)=10.00sqm.+ Add 10% for overlappings & wastage= 1.00sqm. Total= 11.00sqm				
7273 9999	Resin Bonded Rockwool 48 kg/m ³ Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram and Carriage LABOUR	sqm	11.00	110.00	1210.00
0111	Carpenter 1st class	day	0.50	784.00	392.00
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries (screws & washers)	L.S.	20.00	2.12	42.40
	TOTAL				2077.14 W
	Add 1 % Water charges on "W"				20.77
	TOTAL				2097.91 X
	Add GST on "X" (multiplying factor 0.1405)				294.76
	TOTAL				2392.67 Y
	Add 15% CPOH on "Y"				358.90
	TOTAL				2751.57 Z
	Add Cess @ 1% on "Z"				27.52
	Cost of 10 sqm				2779.08
	Cost of 1 sqm				277.91
	Say				277.90

12.63 Providing and applying two coats of High Albedo paint having minimum Solar Reflective Index (SRI) 108 (with solar reflectance & thermal emittance tested as per ASTM) C 1549 and ASTM C 1371 respectively), VOC less than 10 cc/gm. The coating thickness and the methodology of application shall strictly as per manufacturer's specifications and as approved by Engineer-in-Charge. Surface preparation includes cleaning with metal wire brush to remove all dust, fungus etc., washing with water all complete. The contractor shall give guarantee for the performance of SRI and also the durability of coating, all complete as per direction of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 Sqm. MATERIALS :				
7238 9977	High Albedo paint Carriage of paint	kg L.S.	7.17 4.53	215.00 2.12	1541.55 9.60
0114 0131	LABOUR : Beldar (for cleanign the surface) Painter	day day	0.54 0.54	645.00 714.00	348.30 385.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (Brushes & T&P etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 Sqm. Cost of 1 Sqm. Say	L.S.	13.52	2.12	28.66 2313.68 W 23.14 2336.81 X 328.32 2665.13 Y 399.77 3064.91 Z 30.65 3095.55 309.56 309.55

12.64 Providing & fixing at all heights, levels and locations Mill finish Aluminium alloy roofing sheets of alloy IS designation 31500, temper Hx8 conforming to IS 737 and dimensions as per IS code 2676 with characteristics of good formability and corrosion resistance. The profile sheets shall be fixed to truss members in slope or required pitch or curvature with Hex cap headed self drilling/tapping Stainless steel screws M6, 50 mm long with 3 mm EPDM seal washer etc. all inclusive of labour, scaffolding, T&P and sundries etc. complete as per directions of the Engineer-In-Charge. (Cost of truss/frame work shall be paid separately).

12.64.1 0.56 mm, Aluminium troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3051	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 20 Nos x 10.70mx 1.092m = 233.69sqm. Add 3% wastage = 7.01sqm Total = 240.70 sqm Aluminium troughed profile sheet 0.56mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm)	sqm	240.70	549.00	132144.30
9999	Carriage of sheets	L.S.	104.00	2.12	220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
0130	LABOUR: Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar Total Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 216.14 sqm Cost of 1 sqm Say	day	9.34	645.00	6024.30 151318.27 W 1513.18 152831.45 X 21472.82 174304.27 Y 26145.64 200449.91 Z 2004.50 202454.41 936.68 936.70

12.64.2 0.71 mm, troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3052	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 20 Nos x 10.70mx 1.092m= 233.69sqm. Add 3% wastage = 7.01sqm Total = 240.70 sqm Aluminium troughed profile sheet 0.71mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm				
9999	Carriage of sheets	sqm	240.70	698.00	168008.60
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	L.S.	104.00	2.12	220.48
9999	Carriage of screws, washers	100 Nos	8.65	500.00	4325.00
9999	Sundries	L.S.	8.06	2.12	17.09
0130	LABOUR:	L.S.	39.52	2.12	83.78
0112	Mistry	day	2.34	784.00	1834.56
0114	Carpenter 2nd class	day	9.34	714.00	6668.76
	Beldar	day	9.34	645.00	6024.30
	Total				187182.57 W
	Add 1 % Water charges on "W"				1871.83
	TOTAL				189054.40 X
	Add GST on "X" (multiplying factor 0.1405)				26581.05
	TOTAL				215635.44 Y
	Add 15% CPOH on "Y"				32345.32
	TOTAL				247980.76 Z
	Add Cess @ 1% on "Z"				2479.81
	Cost of 216.14 sqm				250460.57
	Cost of 1 sqm				1158.79
	Say				1158.80

12.64.3 0.91 mm, troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 20 Nos x 10.70mx 1.092m= 233.69sqm. Add 3% wastage = 7.01sqm Total = 240.70 sqm Aluminium troughed profile sheet 0.91mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm Carriage of sheets				
3053		sqm	240.70	895.00	215426.50
9999		L.S.	104.00	2.12	220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
0130	LABOUR: Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76
0114	Beldar	day	9.34	645.00	6024.30
	Total				234600.47 W
	Add 1 % Water charges on "W"				2346.00
	TOTAL				236946.47 X
	Add GST on "X" (multiplying factor 0.1405)				33290.98
	TOTAL				270237.45 Y
	Add 15% CPOH on "Y"				40535.62
	TOTAL				310773.07 Z
	Add Cess @ 1% on "Z"				3107.73
	Cost of 216.14 sqm				313880.80
	Cost of 1 sqm				1452.21
	Say				1452.20

12.64.4 0.56mm Aluminium profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3054	MATERIAL: Sheets used = 19 Nos x 10.70mx 1.144m= 232.58sqm. Add 3% wastage = 6.98sqm Total = 239.56 sqm Aluminium profile sheet 0.56mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm				
9999	Carriage of sheets	sqm L.S.	239.56 104.00	730.00 2.12	174878.80 220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
	LABOUR:				
0130	Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76
0114	Beldar	day	9.34	645.00	6024.30
	Total				194052.77 W
	Add 1 % Water charges on "W"				1940.53
	TOTAL				195993.30 X
	Add GST on "X" (multiplying factor 0.1405)				27537.06
	TOTAL				223530.36 Y
	Add 15% CPOH on "Y"				33529.55
	TOTAL				257059.91 Z
	Add Cess @ 1% on "Z"				2570.60
	Cost of 216.14 sqm				259630.51
	Cost of 1 sqm				1201.21
	Say				1201.20

12.64.5 0.71mm Aluminium profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 19 Nos x 10.70mx 1.144m= 232.58sqm. Add 3% wastage = 6.98sqm Total = 239.56 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3055	Aluminium profile sheet 0.71mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm				
9999	Carriage of sheets	sqm L.S.	239.56 104.00	924.00 2.12	221353.44 220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) $216.14 \times 4 = 864.55$ no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
	LABOUR:				
0130	Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76
0114	Beldar	day	9.34	645.00	6024.30
	Total				240527.41 W
	Add 1 % Water charges on "W"				2405.27
	TOTAL				242932.68 X
	Add GST on "X" (multiplying factor 0.1405)				34132.04
	TOTAL				277064.72 Y
	Add 15% CPOH on "Y"				41559.71
	TOTAL				318624.43 Z
	Add Cess @ 1% on "Z"				3186.24
	Cost of 216.14 sqm				321810.67
	Cost of 1 sqm				1488.90
	Say				1488.90

12.64.6 0.91mm Aluminium profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3056	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- $20.20 \times 10.70m = 216.14$ sqm. MATERIAL: Sheets used = 19 Nos x $10.70mx1.144m = 232.58$ sqm. Add 3% wastage = 6.98sqm Total = 239.56 sqm Aluminium profile sheet 0.91mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm Carriage of sheets	sqm L.S.	239.56 104.00	1182.00 2.12	283159.92 220.48
9999					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) $216.14 \times 4 = 864.55$ no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
0130	LABOUR: Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76
0114	Beldar	day	9.34	645.00	6024.30
	Total				302333.89 W
	Add 1 % Water charges on "W"				3023.34
	TOTAL				305357.23 X
	Add GST on "X" (multiplying factor 0.1405)				42902.69
	TOTAL				348259.92 Y
	Add 15% CPOH on "Y"				52238.99
	TOTAL				400498.91 Z
	Add Cess @ 1% on "Z"				4004.99
	Cost of 216.14 sqm				404503.90
	Cost of 1 sqm				1871.49
	Say				1871.50

12.64.7 0.56mm Aluminium Circular (sinusoidal) profile with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm,cover width 1150mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- $20.20 \times 10.70m$ $= 216.14$ sqm. MATERIAL: Sheets used = 18 Nos x $10.70mx1.250m$ = Total = 240.75 sqm. Add 3% wastage = 7.22 sqm Total = 247.97 sqm				
3057	Aluminium Circular(sinusoidal) profile sheet 0.56mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm,cover width 1150mm	sqm	247.97	520.00	128944.40
9999	Carriage of sheets	L.S.	104.00	2.12	220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) $216.14 \times 4 = 864.55$ no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
0130	LABOUR: Mistry	day	2.34	784.00	1834.56
0112	Helper	day	9.34	714.00	6668.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar Total Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 216.14 sqm Cost of 1 sqm Say	day	9.34	645.00	6024.30 148118.37 W 1481.18 149599.55 X 21018.74 170618.29 Y 25592.74 196211.03 Z 1962.11 198173.14 916.87 916.85

12.64.8 0.71mm Aluminium Circular (sinusoidal) profile with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm, cover width 1150mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3058	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 18 Nos x 10.70mx 1.250m= Total = 240.75sqm. Add 3% wastage = 7.22sqm Total = 247.97sqm Aluminium Circular(sinusoidal) profile sheet 0.71mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm, cover width 1150mm				
9999	Carriage of sheets	sqm	247.97	670.00	166139.90
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	L.S.	104.00	2.12	220.48
9999	Carriage of screws, washers	100 Nos	8.65	500.00	4325.00
9999	Sundries	L.S.	8.06	2.12	17.09
0130	LABOUR:	L.S.	39.52	2.12	83.78
0112	Mistry	day	2.34	784.00	1834.56
0114	Helper	day	9.34	714.00	6668.76
	Beldar	day	9.34	645.00	6024.30
	Total				185313.87 W
	Add 1 % Water charges on "W"				1853.14
	TOTAL				187167.01 X
	Add GST on "X" (multiplying factor 0.1405)				26296.96
	TOTAL				213463.97 Y
	Add 15% CPOH on "Y"				32019.60
	TOTAL				245483.57 Z
	Add Cess @ 1% on "Z"				2454.84
	Cost of 216.14 sqm				247938.41
	Cost of 1 sqm				1147.12
	Say				1147.10

12.64.9 0.91mm Aluminium Circular (sinusoidal) profile with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm, cover width 1150mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3059	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 18 Nos x 10.70mx1.250m= Total = 240.75sqm. Add 3% wastage = 7.22sqm Total = 247.97sqm Aluminium Circular(sinusoidal) profile sheet 0.91mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm,cover width 1150mm				
9999	Carriage of sheets	sqm	247.97	870.00	215733.90
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	L.S.	104.00	2.12	220.48
9999	Carriage of screws, washers	100 Nos	8.65	500.00	4325.00
9999	Sundries	L.S.	8.06	2.12	17.09
0130	LABOUR: Mistry	day	2.34	784.00	1834.56
0112	Helper	day	9.34	714.00	6668.76
0114	Beldar	day	9.34	645.00	6024.30
	Total				234907.87 W
	Add 1 % Water charges on "W"				2349.08
	TOTAL				237256.95 X
	Add GST on "X" (multiplying factor 0.1405)				33334.60
	TOTAL				270591.55 Y
	Add 15% CPOH on "Y"				40588.73
	TOTAL				311180.28 Z
	Add Cess @ 1% on "Z"				3111.80
	Cost of 216.14 sqm				314292.08
	Cost of 1 sqm				1454.11
	Say				1454.10

12.65 Providing & fixing at all heights, levels and locations colour finish Aluminium alloy roofing sheets of alloy IS designation 31500, temper Hx8 conforming to IS 737 and dimensions as per IS code 2676 with characteristics of good formability and corrosion resistance. The profile sheets shall be fixed to truss members in slope or required pitch or curvature with Hex cap headed self drilling/tapping Stainless steel screws M6, 50 mm long with 3 mm EPDM seal washer etc. all inclusive of labour, scaffolding, T&P and sundries etc. complete as per directions of the Engineer-In-Charge. (Cost of truss/frame work shall be paid separately).

12.65.1 0.56 mm, Aluminium Color coated troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width 1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3060	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 20 Nos x 10.70mx 1.092m = 233.69sqm. Add 3% wastage = 7.01sqm Total = 240.70 sqm				
9999	Precoated Aluminium troughed profile sheet 0.56mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width 1092 mm, cover width 1000mm	sqm	240.70	636.00	153085.20
3074	Carriage of sheets	L.S.	104.00	2.12	220.48
9999	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
0130	LABOUR:				
0112	Mistry	day	2.34	784.00	1834.56
0114	Carpenter 2nd class	day	9.34	714.00	6668.76
	Beldar	day	9.34	645.00	6024.30
	Total				172259.17 W
	Add 1 % Water charges on "W"				1722.59
	TOTAL				173981.76 X
	Add GST on "X" (multiplying factor 0.1405)				24444.44
	TOTAL				198426.20 Y
	Add 15% CPOH on "Y"				29763.93
	TOTAL				228190.13 Z
	Add Cess @ 1% on "Z"				2281.90
	Cost of 216.14 sqm				230472.03
	Cost of 1 sqm				1066.31
	Say				1066.30

12.65.2 0.71 mm, Aluminium Color coated troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width 1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 20 Nos x 10.70mx 1.092m = 233.69sqm. Add 3% wastage = 7.01sqm Total = 240.70 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3061	Precoated Aluminium troughed profile sheet 0.71mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm				
9999	Carriage of sheets	sqm L.S.	240.70 104.00	809.00 2.12	194726.30 220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
	LABOUR:				
0130	Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76
0114	Beldar	day	9.34	645.00	6024.30
	Total				213900.27 W
	Add 1 % Water charges on "W"				2139.00
	TOTAL				216039.27 X
	Add GST on "X" (multiplying factor 0.1405)				30353.52
	TOTAL				246392.79 Y
	Add 15% CPOH on "Y"				36958.92
	TOTAL				283351.71 Z
	Add Cess @ 1% on "Z"				2833.52
	Cost of 216.14 sqm				286185.23
	Cost of 1 sqm				1324.07
	Say				1324.05

12.65.3 0.91 mm, Aluminium Color coated troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 20 Nos x 10.70mx 1.092m = 233.69sqm. Add 3% wastage = 7.01sqm Total = 240.70 sqm				
3062	Precoated Aluminium troughed profile sheet 0.91mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm	sqm	240.70	1038.00	249846.60
9999	Carriage of sheets	L.S.	104.00	2.12	220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	500.00	4325.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
0130	LABOUR:				
0130	Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76
0114	Beldar	day	9.34	645.00	6024.30
	Total				269020.57 W
	Add 1 % Water charges on "W"				2690.21
	TOTAL				271710.78 X
	Add GST on "X" (multiplying factor 0.1405)				38175.36
	TOTAL				309886.14 Y
	Add 15% CPOH on "Y"				46482.92
	TOTAL				356369.06 Z
	Add Cess @ 1% on "Z"				3563.69
	Cost of 216.14 sqm				359932.75
	Cost of 1 sqm				1665.28
	Say				1665.30

12.65.4 0.56mm Aluminium color profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3063	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 19 Nos x 10.70mx 1.144m= 232.58sqm. Add 3% wastage = 6.98sqm Total = 239.56 sqm Aluminium color coated profile sheet 0.56mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	239.56	846.00	202667.76
9999	Carriage of sheets	L.S.	104.00	2.12	220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
0130	LABOUR:				
0130	Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar Total Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 216.14 sqm Cost of 1 sqm Say	day	9.34	645.00	6024.30 221841.73 W 2218.42 224060.15 X 31480.45 255540.60 Y 38331.09 293871.69 Z 2938.72 296810.41 1373.23 1373.25

12.65.5 0.71mm Aluminium color coated profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3064	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 19 Nos x 10.70mx 1.144m= 232.58sqm. Add 3% wastage = 6.98sqm Total = 239.56 sqm Aluminium color coated profile sheet 0.71mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	239.56	1071.00	256568.76
9999	Carriage of sheets	L.S.	104.00	2.12	220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
0130	LABOUR: Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar				6024.30
	Total				275742.73 W
	Add 1 % Water charges on "W"				2757.43
	TOTAL				278500.16 X
	Add GST on "X" (multiplying factor 0.1405)				39129.27
	TOTAL				317629.43 Y
	Add 15% CPOH on "Y"				47644.41
	TOTAL				365273.84 Z
	Add Cess @ 1% on "Z"				3652.74
	Cost of 216.14 sqm				368926.58
	Cost of 1 sqm				1706.89
	Say				1706.90

12.65.6 0.91mm Aluminium color coated profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3065	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 19 Nos x 10.70mx 1.144m= 232.58sqm. Add 3% wastage = 6.98sqm Total = 239.56 sqm Aluminium color coated profile sheet 0.91mm thick ith center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm				
9999	Carriage of sheets	sqm	239.56	1370.00	328197.20
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	L.S.	104.00	2.12	220.48
9999	Carriage of screws, washers	100 Nos	8.65	500.00	4325.00
9999	Sundries	L.S.	8.06	2.12	17.09
	LABOUR:				
0130	Mistry	day	2.34	784.00	1834.56
0112	Carpenter 2nd class	day	9.34	714.00	6668.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar Total Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 216.14 sqm Cost of 1 sqm Say	day	9.34	645.00	6024.30 347371.17 W 3473.71 350844.88 X 49293.71 400138.59 Y 60020.79 460159.38 Z 4601.59 464760.97 2150.28 2150.30

12.65.7 0.56 mm Aluminium profile with center to center pitch of 177.5 mm, depth of 28.5 mm, 987mm overall profile width, cover width 900mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 22 Nos x 10.70mx 0.987m= 232.34sqm. Add 3% wastage = 6.97sqm Total = 239.31 sqm				
3066	Aluminium profile sheet 0.56mm thick with center to center pitch of 177.5 mm, depth of 28.5 mm, 987mm overall profile width, cover width 900mm	sqm	239.31	680.00	162730.80
9999	Carriage of sheets	L.S.	104.00	2.12	220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
0130	LABOUR:				
0112	Mistry	day	2.34	784.00	1834.56
	Carpenter 2nd class	day	9.34	714.00	6668.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar Total Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 216.14 sqm Cost of 1 sqm Say	day	9.34	645.00	6024.30 181904.77 W 1819.05 183723.82 X 25813.20 209537.02 Y 31430.55 240967.57 Z 2409.68 243377.25 1126.02 1126.00

12.65.8 0.71 mm Aluminium profile with center to center pitch of 177.5 mm, depth of 28.5 mm, 987mm overall profile width, cover width 900mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3067	Details of cost for 216.14 sqm. Consider a shed of 20 x 10 meters. (External dimensions of plinth) Area of roof- 20.20x10.70m = 216.14 sqm. MATERIAL: Sheets used = 22 Nos x 10.70mx 0.987m= 232.34sqm. Add 3% wastage = 6.97sqm Total = 239.31 sqm Aluminium profile sheet 0.71mm thick with center to center pitch of 177.5 mm, depth of 28.5 mm, 987mm overall profile width, cover width 900mm	sqm	239.31	872.00	208678.32
9999	Carriage of sheets	L.S.	104.00	2.12	220.48
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	500.00	4325.00
9999	Carriage of screws, washers	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
0130	LABOUR:				
0112	Mistry	day	2.34	784.00	1834.56
0114	Carpenter 2nd class	day	9.34	714.00	6668.76
	Beldar	day	9.34	645.00	6024.30
	Total				227852.29 W
	Add 1 % Water charges on "W"				2278.52
	TOTAL				230130.81 X
	Add GST on "X" (multiplying factor 0.1405)				32333.38
	TOTAL				262464.19 Y
	Add 15% CPOH on "Y"				39369.63
	TOTAL				301833.82 Z
	Add Cess @ 1% on "Z"				3018.34
	Cost of 216.14 sqm				304852.16
	Cost of 1 sqm				1410.44
	Say				1410.45

12.66 Providing and fixing of Pre-coated colour or mill finish Aluminium Roofing Accessories in 0.71 mm thickness ,Alloy 31500 (IS designation) [Aluminium Alloy (AA) 3004 (ISO designation)] For color, coating shall be 5-7 microns epoxy primer on both sides of the sheet and polyester top coat 15-18 microns, using self drilling/tapping SS screws of size 6 x 50mm with 3mm thick EPDM seal and SS plain washer complete :

12.66.1 Precoated/mill finish aluminium Ridges plain (500- 600mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 20.20 metre One piece plain ridges Consider a shed of 20x10m (external dimensions at plinth) Length of ridges 20.2 metre + 5% wastage = 1.01 metre. Total =23.11 metre. MATERIAL 3068 Precoated/Mill finish Aluminium plain ridges 0.71 mm TCT/plain and 500- 600 mm wide				
9977	Carriage (The ridge is to be fixed with the same screws as the Sheets)	L.S.	13.52	2.12	28.66
9999	Sundries	L.S.	6.76	2.12	14.33
	LABOUR				
0130	Mistry	day	0.14	784.00	109.76
0112	Carpenter 2nd class	day	0.55	714.00	392.70
0114	Beldar	day	1.64	645.00	1057.80
	Total				14637.29 W
	Add 1 % Water charges on "W"				146.37
	TOTAL				14783.66 X
	Add GST on "X" (multiplying factor 0.1405)				2077.10
	TOTAL				16860.76 Y
	Add 15% CPOH on "Y"				2529.11
	TOTAL				19389.87 Z
	Add Cess @ 1% on "Z"				193.90
	Cost of 20.20 metre				19583.77
	Cost of 1 metre				969.49
	Say				969.50

12.66.2 Precoated/mill finish aluminium Flashings/ Aprons (Upto 600 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3069	Details for shed of 20.2 metres completed length MATERIAL Length of ridges 20.2 metre + 5% wastage = 1.01 metre. Total =23.11 metre. Precoated/Mill finish Aluminium flashings/aprons 0.50mm TCT/plain and wide upto 600 mm	metre	23.11	544.00	12571.84

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of apron pieces. (The apron pieces are to be fixed with the same screws as the sheets)	L.S.	3.25	2.12	6.89
9999	Sundries	L.S.	3.25	2.12	6.89
	LABOUR				
0130	Mistry	day	0.07	784.00	54.88
0112	Carpenter 2nd class	day	0.28	714.00	199.92
0114	Beldar	day	0.82	645.00	528.90
	Total				13369.32 W
	Add 1 % Water charges on "W"				133.69
	TOTAL				13503.01 X
	Add GST on "X" (multiplying factor 0.1405)				1897.17
	TOTAL				15400.18 Y
	Add 15% CPOH on "Y"				2310.03
	TOTAL				17710.21 Z
	Add Cess @ 1% on "Z"				177.10
	Cost of 20.20 metre				17887.31
	Cost of 1 metre				885.51
	Say				885.50

12.66.3 Precoated/mill finish aluminium North light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of North light curve 20.20 metres long complete length				
	MATERIAL				
	Length of ridges 20.2 metre + 5% wastage = 1.01 metre.				
	Total =23.11 metre.				
3070	Precoated/Mill finish Aluminium plain north light cuves	metre	23.11	584.00	13496.24
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	0.40	500.00	200.00
9977	Carriage of screws, washers and curves	L.S.	9.88	2.12	20.95
9999	Sundries	L.S.	6.24	2.12	13.23
	LABOUR				
0130	Mistry	day	0.10	784.00	78.40
0112	Carpenter 2nd class	day	0.30	714.00	214.20
0114	Beldar	day	1.00	645.00	645.00
	Total				14668.02 W
	Add 1 % Water charges on "W"				146.68
	TOTAL				14814.70 X
	Add GST on "X" (multiplying factor 0.1405)				2081.47
	TOTAL				16896.17 Y
	Add 15% CPOH on "Y"				2534.43
	TOTAL				19430.60 Z
	Add Cess @ 1% on "Z"				194.31
	Cost of 20.20 metre				19624.91
	Cost of 1 metre				971.53
	Say				971.55

12.66.4 Precoated/mill finish aluminium Barge board (Upto 200 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 8.23 metres Completed length of barge boards MATERIAL length of barge boards = 8.23 metre + Add wastage @ 5% = 0.41 metre. Total = 8.64 metre				
3071	Precoated/mill finish aluminium Barge board (Upto 200 mm)	metre	8.64	487.00	4207.68
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.50	10.00	5.00
1211	Washer for seam bolts	100 Nos	0.10	32.00	3.20
3075	EPDM washer	100 Nos	0.50	40.00	20.00
9977	Carriage of barge boards, bolts, nuts and washers	L.S.	9.36	2.12	19.84
9999	Sundries	L.S.	6.76	2.12	14.33
	LABOUR				
0130	Mistry	day	0.04	784.00	31.36
0112	Carpenter 2nd class	day	0.06	714.00	42.84
0114	Beldar	day	0.40	645.00	258.00
	Total				4602.25 W
	Add 1 % Water charges on "W"				46.02
	TOTAL				4648.27 X
	Add GST on "X" (multiplying factor 0.1405)				653.08
	TOTAL				5301.35 Y
	Add 15% CPOH on "Y"				795.20
	TOTAL				6096.55 Z
	Add Cess @ 1% on "Z"				60.97
	Cost of 8.23 metre				6157.52
	Cost of 1 metre				748.18
	Say				748.20

12.66.5 Precoated/mill finish aluminium Crimp curve

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 21.412 sqm MATERIAL crimp curve 20.2 metres long complete length and 1.06 metre wide Area $20.20 \times 1.06 = 21.412$ sqm + Add wastage @ 5% = 1.071 sqm. Total = 22.483 sqm.				
3072	Precoated/Mill finish Aluminium crimp curve	sqm	22.48	538.00	12095.85
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	0.40	500.00	200.00
9977	Carriage of screws, washers and curves	L.S.	9.88	2.12	20.95
9999	Sundries	L.S.	6.24	2.12	13.23

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0130	LABOUR				0.00
0112	Mistry	day	0.10	784.00	78.40
0114	Carpenter 2nd class	day	0.30	714.00	214.20
0114	Beldar	day	1.00	645.00	645.00
	Total				13267.63 W
	Add 1 % Water charges on "W"				132.68
	TOTAL				13400.31 X
	Add GST on "X" (multiplying factor 0.1405)				1882.74
	TOTAL				15283.05 Y
	Add 15% CPOH on "Y"				2292.46
	TOTAL				17575.51 Z
	Add Cess @ 1% on "Z"				175.76
	Cost of 21.412 metre				17751.27
	Cost of 1 metre				829.03
	Say				829.05

12.66.6 Precoated/mill finish aluminium Gutter (600 mm over all girth)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost of 10 metre 0.63mm thick with zinc coating not less than 275gm/ sqm Consider a length of 10.00m				
3073	Precoated/Mill finish Aluminium gutter	metre	10.00	725.00	7250.00
9977	Carriage of gutter	L.S.	1.04	2.12	2.20
1008	Flats upto 10 mm in thickness	quintal	0.0749	4850.00	363.27
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	0.20	500.00	100.00
3076	Stainless steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	30.00	40.00	1200.00
9977	Carriage of screws, seam bolts & washer	L.S.	2.73	2.12	5.79
9999	Sundries	L.S.	5.33	2.12	11.30
	LABOUR				
0102	Blacksmith 1st class	day	0.50	784.00	392.00
0114	Beldar	day	0.50	645.00	322.50
9999	Sundries	L.S.	12.61	2.12	26.73
0130	Mistry	day	0.28	784.00	219.52
0102	Blacksmith 1st class	day	0.84	784.00	658.56
0112	Carpenter 2nd class	day	0.62	714.00	442.68
0114	Beldar	day	1.68	645.00	1083.60
	Total				12078.15 W
	Add 1 % Water charges on "W"				120.78
	TOTAL				12198.93 X
	Add GST on "X" (multiplying factor 0.1405)				1713.95
	TOTAL				13912.88 Y
	Add 15% CPOH on "Y"				2086.93
	TOTAL				15999.81 Z
	Add Cess @ 1% on "Z"				160.00
	Cost of 10 metre				16159.81
	Cost of 1 metre				1615.98
	Say				1616.00



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