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BASIC RATES 0.1 HIRE CHARGES OF PLANTS 0.2 LABOUR 0.3 MATERIAL FOR BUILDING WORK, ROAD WORK AND **SERVICES**

BASIC RATES/ 0.1 HIRE CHARGES OF PLANT

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

Code	Description	Unit	Rate
No.			₹
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	day	3940.00
0006	Hire charges of Spraying machine including electric charges	day	250.00
0007	Hire charges of coaltar Sprayer	day	350.00
8000	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	cum	210.00
	pump/ piping work and accessories		
0010	Hire charges of Derrick monkey rope	day	750.00
0011	Hire charges of Pumpset 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 (A) Loader C.M. excavator B.L. 37 1/2 litre	hour	NA
	(B) C.M. excavator B.L. 220 18 1/2 litre	hour	NA
	(C) 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	Boat (Capacity upto 20cum)	day	1050.00
0024.1	Hire and running charges of hydraulic piling rig with power	day	35000.00
	unit etc. including complete accessories and shifting at site		
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	day	30000.00
	complete with power unit and accessories		
0028	Hire and running charges of crane 20 tonne capacity	day	7000.00
0029	Carriage of concrete by 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	1600.00
0040	Air compressor 250 CFM with two leads for pneumatic cutter/hammers.	day	800.00
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 ltr. Capacity	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	toone km.	3.52
0054	Vibratory roller 8 to 10 tonne	hour	600.00
0055	Smooth wheeled Roller 8 to 10 tonne	hour	300.00
0056	Tandom 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	19000.00
0063	Hot mix plant 100 TPH capacity	hour	18900.00
0064	Paver finisher Hydrostatic with sensor control 100 TPH	hour	1500.00
0065	Paver finisher Mechanical 100 TPH	hour	800.00
0066	Batching & mixing plant @ 75 cumper 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 tonne	tonne km.	3.30
0072	Cost for crane having capacity 50MT	day	8500.00
0075	Road sweeper (Mechnical Broom) @ 1250 sqm.per hour	hour	450.00
0076	Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output	hour	18800.00
0080	Hire and running charges of drill machine upto 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 MINI TRUCK for local shifting.	day	1400.00
0084	Hire charges of diesel truck - 9 tonne (witout POL)	day	1800.00
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 Jeting machine 2200 PSI machine i/c POL & 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 Jeting machine 1500 PSI machine i/c POL & operator	day	10000.00

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.

Basic Rates-contd / 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	Description	Unit	Rate
No.			₹
0100	Bandhani	day	625.00
0101	Bhisti	day	625.00
0102	Blacksmith 1st class	day	806.00
0103	Blacksmith 2nd class	day	734.00
0107	Bullockman with single bullock	day	553.00
0111	Carpenter 1st class	day	806.00
0112	Carpenter 2nd class	day	734.00
0113	Chowkidar	day	553.00
0114	Beldar	day	553.00
0115	Coolie	day	553.00
0116	Fitter (Grade 1)	day	806.00
0117	Assistant Fitter or 2nd class Fitter	day	734.00
0119	Glazier	day	734.00
0122	Mason (for plaster of paris work) 1st class	day	806.00
0123	Mason (for brick work) 1st class	day	806.00
0124	Mason (for brick work) 2nd class	day	734.00
0125	Mason (for plain stone work) 2nd class	day	734.00
0126	Mason (for ornamental stone work) 1st class	day	806.00
0127	Driver for Road Roller, Concrete Mixer, Truck etc.	day	806.00
0128	mate	day	625.00
0129	Mali/ sewerman	day	553.00
0130	Mistry	day	806.00
0131	Painter	day	734.00
0132	Rock Excavator	day	625.00
0133	Rock Breaker	day	625.00
0134	Rock Hole Driller	day	625.00
0135	Stone Chiseller	day	625.00
0138	Sprayman (for bitumen, tar etc.)	day	625.00
0139	Skilled Beldar (for floor rubbing etc.)	day	625.00
0141	White washer	day	625.00
0154	Nozzel man/ gun man	day	734.00
0155*	Mason (average)	day	770.00
0156*	Carpenter (average)	day	770.00
0157	Operator (Pile / Special machines)	day	806.00
0159	Skilled Torch Operator for laying tack.	day	734.00
0160	Technician	day	806.00
0161	Helper (Technician)	day	553.00
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
0162.1	Boatman	day	625.00

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	625.00
0165	Security guard with gun (8 hours shift duty per day)	day	734.00

^{*} These rates are average of 1st class and 2nd class categories.

This is for use in the analysis of rates only

Basic Rates-contd / 0.3 Materials for building work, road work & services

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

Code	Description	Unit	Rate
No.			₹
0204	Asbestos Cement Curved barge board	each	NA
0205	Asbestos Cement Barge Board 2.44 metre long	each	NA
0206	Asbestos Cement Barge Board 1.83 metre long	each	NA
0207	Asbestos Cement one piece plain angular ridge 1.22 mtr long	each	NA
0208	Asbestos Cement serrated or plain wing each adjustable ridge 1.22 m long.	pair	NA
0209	Asbestos Cement close fittings adjustable ridge 1.10 m long	pair	NA
0210	Asbestos Cement North light adjustable ridge 1.22 m long	pair	NA
0211	Asbestos Cement ridge finals	pair	NA
0212	Asbestos Cement unserrated adjustable ridge for hips	pair	NA
0213	Asbestos Cement roof light (1.82 metre long)	each	NA
0214	Apron flashing pieces	each	NA
0215	Asbestos Cement eaves filler pieces	each	NA
0216	Asbestos Cement North light ventilator curves	each	NA
0219	Asbestos Cement expansion joint for North light curves	each	NA
0220	Asbestos Cement expansion joint for ridges	pair	NA
0221	Asbestos Cement louvers 'S' type (1.75m)	each	NA
0222	Seam bolts & nuts 6mm dia and 25mm long	10 nos.	16.00
0223	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
	corrugated sheet 6 mm thick	sqm	225.00
0224	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
	close fitting adjustable ridge	metre	210.00
0225	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
	corrugate serrated adjustable ridge	metre	210.00
0226	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
	plain wing adjustable ridge	metre	210.00
0227	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
	unserrated adjustable ridge for hips	metre	210.00
0228	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
	corrugated apron piece	metre	200.00
0229	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
i	eaves filler piece	each	175.00
0230	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
	north light curves	metre	280.00
0231	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
1	ventilator curves	each	310.00
0232	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement barge	metre	400.00
	boards 6 mm thick		
0233	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
1	ridge finial	pair	165.00
0234	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement special		
	north light curves	each	555.00
0235	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement		
	S type louvers	each	260.00

0236	Multi purpose fibre (reinforced by organic fibres and /	or inorganic synthetic fibre)		
	cement board 6 mm thick		sqm	210.00
0237	Multi purpose fibre (reinforced by organic fibres and /	or inorganic synthetic fibre)		
	cement board 8 mm thick		sqm	220.00
0238	6 mm thick heavy duty fiber cement board		sqm	255.00
0239	8mm thick heavy duty fiber cement board		sqm	300.00
0240	9 mm thick heavy duty fiber cement board		sqm	380.00
0241	12.5 mm thick Gypsum plaster board		sqm	180.00
0242	6 mm thick mulitipurpose cement bonded wood particl	e board		
	conforming to IS: 14276		sqm	210.00
0243	8 mm thick mulitipurpose cement bonded wood particl	e board		
	conforming to IS: 14276		sqm	290.00
0244	Factory made light weight composite non asbestos fibr	e reinforced		
	aerated cement sandwitched wall/roof panel (50mm th	nick). The outer		
	face on both sides of the panels will be non asbestos fi	ibre cement		
	board (minimum 4mm thick) confirming to IS 14862:2	2000	sqm	634.00
0245	Factory made light weight non asbestos fibre reinforce	d aerated		
	cement sandwitched wall/roof panel (75mm thick). The	e outer face on		
	both sides of the panels will be non asbestos fibre cem	ent 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
0285	Brick Aggregate (Single size) 63 mm nominal size		cum	600.00
0286	Brick Aggregate (Single size) 50 mm nominal size		cum	600.00
0287	Brick Aggregate (Single size) 40 mm nominal size		cum	600.00
0288	Brick Aggregate (Single size) 25 mm nominal size		cum	600.00
0289	Brick Aggregate (Single size) 20 mm nominal size		cum	600.00
0290	Stone Aggregate (Single size) 75 mm nominal size	(A) Crushed (B) Nallah	cum	900.00 NA
0291	Stone Aggregate (Single size) 63 mm nominal size	(A) Crushed	cum	900.00
		(B) Nallah		NA
0292	Stone Aggregate (Single size) 50 mm nominal size	(A) Crushed	cum	900.00
		(B) Nallah		NA
0293	Stone Aggregate (Single size) 40 mm nominal size	(A) Crushed	cum	900.00
		(B) Nallah		NA
0294	Stone Aggregate (Single size) 25 mm nominal size	(A) Crushed	cum	900.00
		(B) Nallah		NA
0295	Stone Aggregate (Single size) 20 mm nominal size	(A) Crushed	cum	900.00
		(B) Nallah		NA
0296	Stone Aggregate (Single size) 12.5 mm nominal size	(A) Crushed	cum	900.00
		(B) Nallah		NA
0297	Stone Aggregate (Single size) 10 mm nominal size	(A) Crushed	cum	900.00
		(B) Nallah		NA
0298	Stone Aggregate (Single size) 06 mm nominal size		cum	900.00
0300	Safeda ballies 80 mm diameter		metre	50.00
0301	Safeda ballies 100 mm diameter		metre	50.00

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0302	Safeda ballies 125 mm diameter	metre	50.00
0303	Cowdung	Cum	250.00
0304	Bajri	cum	900.00
0305	Bamboo 25 mm dia 2.5 metre long	Score	400.00
0308	Bhusa	quintal	600.00
0309	Paving bituman of grade VG - 10 of approved quality	tonne	56302.00
0310	Bitumen Emulsion	tonne	55882.00
0312	Bitumen gradePMB - 40	tonne	74218.00
0313	Blown type petroleum bitumen of penetration 85 /25		
	approved quality	tonne	40950.00
0314	Bitumen hot sealing compound Grade A	Kilogram	40.00
0316	Bitumen solution primer of approved quality	litre	59.00
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
0323	Coal Tar	litre	40.00
0325	Blasting powder	kilogram	40.00
0326	Blasting fuse (fuse wire)	each	15.00
0328	12 mm thick White face insulating board	sqm	325.00
0329	18 mm thick White face insulating board	sqm	NA
0332	12 mm thick Natural colour insulating board	sqm	235.00
0333	18 mm thick Natural colour insulating board	sqm	NA
0336	Flame retardant face insulating board 12mm thick	sqm	365.00
0337	Flame retardant face insulating board 18mm thick	sqm	NA
0339	Flame retardant face insulating, Impregnated fibre board 12 mm thick	sqm	425.00
	Flat pressed 3 layer particle board medium density Grade I		
0341	12 mm thick	sqm	255.00
0342	18 mm thick	sqm	430.00
0343	25 mm thick	sqm	595.00
0346	Extra for veneered paticle board with Teak veneering		
	on one side and commericial veneering on other side	sqm	237.00
0347	Extra for veneered paticle board with commericial veneering on both side	sqm	158.00
0348	Extra for veneered paticle board with Teak Veneering on both sides	sqm	500.00
0349	Curing compound	litre	45.00
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	meter	365.00
0356	Primer for swellable type water stop tape	litre	1540.00
0357	Polymer modified adhesive mortar	kg	18.00
0362	Brick bats	cum	550.00
0364	Wire brush	each	32.00
0365	Soft brush	each	29.00
0366	Caustic Soda	kilogram	60.00

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0367	Portland Cement (OPC-43 Grade)	tonne	7033.20
0368	White cement	tonne	14844.00
0369	Plastic sheet,1.25 mm thick for dowel bars	sqm	26.00
0370	Coal (Steam)	quintal	450.00
0371 A	Empty Cement Poly Bags	each	2.00
0371 B	Sealant primer	kg	157.00
0373	Cramp Gun metal 25x6x300 mm	each	80.00
0374	Pre moulded Joint filler, 25 mm thick for expansion joint.	sqm	439.00
0378	125x70x4 mm Brass Butt hinges (Light/Ordinary type)	ten	850.00
0379	100x70x4 mm Brass Butt hinges (Light/Ordinary type)	ten	680.00
0380	75x40x2.5 mm Brass Butt hinges (Light/Ordinary type)	ten	420.00
0381	50x40x2.5 mm Brass Butt hinges (Light/Ordinary type)	ten	175.00
0382	125x85x5.5 mm (0.70 kg) Brass Butt hinges (heavy type)	ten	1440.00
0383	100x85x5.5 mm (0.56 kg) Brass Butt hinges (heavy type)	ten	1100.00
0384	Brass butt hinges (heavy type) :75x65x4.0 mm (weighing not less than 0.20 kg)	ten	920.00
0385	Brass parlimentary hinges 150x125x27x5 mm	ten	2870.00
0386	Brass parlimentary hinges 125x125x27x5 mm	ten	2530.00
0387	Brass parlimentary hinges 100x125x27x5 mm	ten	2300.00
0388	Brass parlimentary hinges 75x100x20x3.2 mm	ten	2000.00
0389	Brass single acting spring hinges 150 mm	each	460.00
0390	Brass single acting spring hinges 125 mm	each	320.00
0391	Brass single acting spring hinges 100 mm	each	300.00
0392	Brass double acting spring hinges 150 mm	each	530.00
0393	Brass double acting spring hinges 125 mm	each	450.00
0394	Brass double acting spring hinges 100 mm	each	420.00
0395	Brass butt hinges (heavy) bush type 75x10 mm	ten	NA
0400	Brass tower bolts (barrel type) 250x10 mm	each	257.00
0401	Brass tower bolts (barrel type) 200x10 mm	each	205.00
0402	Brass tower bolts (barrel type) 150x10 mm	each	154.00
0403	Brass tower bolts (barrel type) 100x10 mm	each	103.00
0404	Brass flush bolts 250 mm	each	150.00
0405	Brass flush bolts 150 mm	each	130.00
0406	Brass flush bolts 100 mm	each	90.00
0408	Brass handles 125 mm with plate 175x32 mm	each	165.00
0409	Brass handles 100 mm with plate 150x32 mm	each	155.00
0410	Brass handles 75 mm with plate 125x32 mm	each	120.00
0411	Brass door latch 300x16x5 mmweighing not less than 0.380 kg	each	200.00
0412	Brass door latch 250x16x5 mm weighing not less than 0.350 kg	each	195.00
0413	Brass Mortice latch and lock 100 x 65 mm with 6 levers and		
	a pair of brass lever handles	each	440.00
0414	Brass Mortice latch and lock 100 x 65 mm with a		
	pair of brass lever handles	each	350.00
0415	Brass Rim latch and lock 100 mm	each	NA
0417	Brass 150 mm floor door stopper weighing not less than 0.357kg	each	185.00
0418	300 mm Brass hard drawn hooks and eyes	ten	700.00
0419	250 mm Brass hard drawn hooks and eyes	ten	680.00
0420	200 mm Brass hard drawn hooks and eyes	ten	510.00

0422 100 mm Brass hard drawn hooks and eyes ten 345 0423 Brass casement window fastener each 45 0424 300 mm weighing not less than 0.33 kg each 150 0425 250 mm weighing not less than 0.28 kg each 100 0426 200 mm weighing not less than 0.24 kg each 100 0427 Brass quadrant stays 300 mm each 110 0428 Brass fanlight pivot ten 200 0429 Brass fanlight pivot ten 200 0430 Brass shaps and staples (safety type) 150mm ten 40 0431 Brass hasps and staples (safety type) 150mm ten 650 0432 Brass hasps and staples (safety type) 90 mm ten 650 0433 Brass haps and staples (safety type) 90 mm ten 650 0438 Brass pilano hinges metre each 0440 Brass scritain rod 12 mm dia 1.25 mm thick metre 0441 Brass curtain rod 12 mm dia 1.25 mm thick metre 0443 <td< th=""><th></th><th></th><th></th><th>ı</th></td<>				ı
Brass casement stays (straight peg type)	0421	150 mm Brass hard drawn hooks and eyes	ten	400.00
Brass casement stays (straight peg type)	0422	100 mm Brass hard drawn hooks and eyes	ten	345.00
0424 300 mm weighing not less than 0.33 kg each 150. 0425 250 mm weighing not less than 0.28 kg each 100. 0426 200 mm weighing not less than 0.24 kg each 100. 0427 Brass quadrant stays 300 mm each 110. 0428 Brass fanlight catch ten 200. 0430 Brass fanlight pivot ten 40. 0431 Brass hasps and staples (safety type) 150mm ten 850. 0432 Brass hasps and staples (safety type) 90 mm ten 650. 0433 Brass hasps and staples (safety type) 90 mm ten 650. 0438 Brass hasps and staples (safety type) 90 mm ten 650. 0439 Brass furniture handles (cupboard handle) each 660. 0440 Brass furniture handles (cupboard handle) each each 0441 Brass curtain rod 12 mm dia 1.25 mm thick metre 0442 Brass curtain rod 12 mm dia 1.25 mm thick metre 0443 Brass curtain rod 12 mm dia 1.25 mm thick metre	0423	Brass casement window fastener	each	45.00
0425 250 mm weighing not less than 0.28 kg each 100 0426 200 mm weighing not less than 0.24 kg each 100 0427 Brass quadrant stays 300 mm each 110 0428 Brass fanlight pivot ten 200 0429 Brass fanlight pivot ten 40 0431 Brass hasps and staples (safety type) 150mm ten 40 0431 Brass hasps and staples (safety type) 115 mm ten 750 0432 Brass hasps and staples (safety type) 190 mm ten 650 0433 Brass night latch each 660 0439 Brass piano hinges metre each 0440 Brass verituiture handles (cupboard handle) each 660 0442 Brass curtain rod 12 mm dia 1.25 mm thick metre each 0443 Brass curtain rod 20 mm dia 1.25 mm thick metre 150 0444 Brass curtain rod 25 mm dia 1.25 mm thick metre 210 0445 Brass curtain rod 25 mm dia 1.25 mm thick metre 150		Brass casement stays (straight peg type)		
0426 200 mm weighing not less than 0.24 kg each 100 0427 Brass quadrant stays 300 mm each 110 0428 Brass fanlight catch ten 200 0429 Brass fanlight pivot ten 200 0430 Brass hasps and staples (safety type) 150mm ten 40 0431 Brass hasps and staples (safety type) 115 mm ten 750 0432 Brass hasps and staples (safety type) 90 mm ten 650 0433 Brass hasps and staples (safety type) 90 mm ten 650 0438 Brass piant latch each 660 0439 Brass piano hinges metre each 0440 Brass vurtain rod 12 mm dia 1.25 mm thick metre each 0442 Brass curtain rod 12 mm dia 1.25 mm thick metre 150 0444 Brass curtain rod 25 mm dia 1.25 mm thick metre 210 0445 Brass curtain rod 12 mm dia 1.25 mm thick metre 150 0446 Brass curtain rod 12 mm dia 1.25 mm thick metre 210 </td <td>0424</td> <td>300 mm weighing not less than 0.33 kg</td> <td>each</td> <td>150.00</td>	0424	300 mm weighing not less than 0.33 kg	each	150.00
0427 Brass quadrant stays 300 mm each 110 0428 Brass fanlight catch ten 200 0429 Brass fanlight pivot ten 200 0430 Brass chain with hook for fan light catch ten 40 0431 Brass hasps and staples (safety type) 150mm ten 850 0432 Brass hasps and staples (safety type) 90 mm ten 650 0433 Brass hasps and staples (safety type) 90 mm ten 650 0438 Brass plano hinges metre 660 0440 Brass plano hinges metre each 0440 Brass scurtain rod 12 mm dia 1.25 mm thick metre each 0440 Brass curtain rod 20 mm dia 1.25 mm thick metre 150 0442 Brass curtain rod 25 mm dia 1.25 mm thick metre 210 0443 Brass curtain rod 25 mm dia 1.25 mm thick metre 210 0444 Brass curtain rod 25 mm dia 1.25 mm thick metre 210 0445 Brass screw 50 mm cent 265	0425	250 mm weighing not less than 0.28 kg	each	100.00
0428 Brass fanlight catch ten 200. 0429 Brass fanlight pivot ten 200. 0430 Brass chain with hook for fan light catch ten 40. 0431 Brass hasps and staples (safety type) 150mm ten 850. 0432 Brass hasps and staples (safety type) 90 mm ten 650. 0433 Brass hasps and staples (safety type) 90 mm ten 650. 0438 Brass piano hinges metre each 0440 Brass piano hinges metre each 0440 Brass scurtain rod 12 mm dia 1.25 mm thick metre each 0442 Brass curtain rod 20 mm dia 1.25 mm thick metre 150. 0443 Brass curtain rod 20 mm dia 1.25 mm thick metre 210. 0444 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0445 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0446 Brass curtain rails with roller stop ends and brackets metre 40. 0449 Brass screw 30 mm cent	0426	200 mm weighing not less than 0.24 kg	each	100.00
0429 Brass fanlight pivot ten 200. 0430 Brass chain with hook for fan light catch ten 40. 0431 Brass hasps and staples (safety type) 150mm ten 850. 0432 Brass hasps and staples (safety type) 115 mm ten 750. 0433 Brass shasps and staples (safety type) 90 mm ten 650. 0438 Brass singht latch each each 0440 Brass plano hinges metre each 0440 Brass curtain rod 12 mm dia 1.25 mm thick metre each 0441 Brass curtain rod 12 mm dia 1.25 mm thick metre 150. 0444 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0445 Brass scuteks (curtain rods) 20 mm each 50. 0446 Brass screke (curtain rods) 20 mm each 40. 0447 Brass screw 50 mm each 40. 0448 Brass screw 50 mm each 40. 0449 Brass screw 40 mm cent 170. 0451	0427	Brass quadrant stays 300 mm	each	110.00
Brass chain with hook for fan light catch 0431 Brass chain with hook for fan light catch 0432 Brass hasps and staples (safety type) 150mm 0433 Brass hasps and staples (safety type) 115 mm 0438 Brass hasps and staples (safety type) 90 mm 0439 Brass night latch 0439 Brass piano hinges 0440 Brass furniture handles (cupboard handle) 0442 Brass helical spring 150 mm 0443 Brass curtain rod 12 mm dia 1.25 mm thick 0444 Brass curtain rod 20 mm dia 1.25 mm thick 0445 Brass curtain rod 25 mm dia 1.25 mm thick 0446 Brass curtain rod 25 mm dia 1.25 mm thick 0447 Brass cuptoard knob or ward robe knob 50 mm 0448 Brass curtain ralls with roller stop ends and brackets 0449 Brass screw 30 mm 0450 Brass screw 40 mm 0451 Brass screw 30 mm 0452 Cand Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick 0455 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick 0456 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick 0458 plastic sleeves for screw 0524 Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms 0525 C.P. brass Butt hinges light/ordinary type 15x70x4 mm 10 Nos. 805. 0527 C.P. brass Butt hinges light/ordinary type 15x70x4 mm 10 Nos. 460.	0428	Brass fanlight catch	ten	200.00
0431 Brass hasps and staples (safety type) 150mm ten 850. 0432 Brass hasps and staples (safety type) 115 mm ten 750. 0433 Brass hasps and staples (safety type) 90 mm ten 650. 0438 Brass night latch each 660. 0439 Brass plano hinges metre 660. 0440 Brass furniture handles (cupboard handle) each each 0440 Brass shelical spring 150 mm each each 0441 Brass curtain rod 12 mm dia 1.25 mm thick metre 150. 0443 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0444 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0446 Brass curtain rod 25 mm dia 1.25 mm thick metre 240. 0447 Brass curtain rod 25 mm dia 1.25 mm thick metre 240. 0448 Brass screw 50 mm cent 265. 0449 Brass screw 50 mm cent 170. 0451 Brass screw 30 mm cent 140. <t< td=""><td>0429</td><td>Brass fanlight pivot</td><td>ten</td><td>200.00</td></t<>	0429	Brass fanlight pivot	ten	200.00
0432 Brass haps and staples (safety type) 115 mm ten 750. 0433 Brass haps and staples (safety type) 90 mm ten 650. 0438 Brass night latch each 660. 0439 Brass piano hinges metre each 0440 Brass furniture handles (cupboard handle) each each 0440 Brass curtain rod 12 mm dia 1.25 mm thick metre each 0443 Brass curtain rod 20 mm dia 1.25 mm thick metre 150. 0444 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0445 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0446 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0447 Brass curtain rod 25 mm dia 1.20 mm each 40. 0448 Brass curtain rodle knob 50 mm each 40. 0449 Brass screw 50 mm cent 265. 0450 Brass screw 40 mm cent 170. 0451 Brass screw 25 mm cent 10.	0430	Brass chain with hook for fan light catch	ten	40.00
0433 Brass haps and staples (safety type) 90 mm ten 650. 0438 Brass night latch each 660. 0439 Brass piano hinges metre each 0440 Brass furniture handles (cupboard handle) each each 0442 Brass curtain rod 12 mm dia 1.25 mm thick metre metre 0443 Brass curtain rod 20 mm dia 1.25 mm thick metre 150. 0444 Brass curtain rod 20 mm dia 1.25 mm thick metre 210. 0445 Brass curtain rod 25 mm dia 1.25 mm thick metre 250. 0446 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0447 Brass curtain rod 25 mm dia 1.25 mm thick metre 240. 0448 Brass curtain rod 20 mm dia 0.00 mm each 40. 0449 Brass screw 50 mm cent 265. 0450 Brass screw 40 mm cent 170. 0451 Brass screw 25 mm cent 100. 0452 Brass screw 20 mm cent 110. 0453<	0431	Brass hasps and staples (safety type) 150mm	ten	850.00
0438 Brass night latch each 660. 0439 Brass piano hinges metre 0440 Brass furniture handles (cupboard handle) each 0442 Brass helical spring 150 mm each 0443 Brass curtain rod 12 mm dia 1.25 mm thick metre 0444 Brass curtain rod 20 mm dia 1.25 mm thick metre 0445 Brass curtain rod 25 mm dia 1.25 mm thick metre 0446 Brass brackets (curtain rods) 20 mm each 50. 0447 Brass curtain rails with roller stop ends and brackets metre 0448 Brass screw 50 mm cent 265. 0449 Brass screw 50 mm cent 170. 0450 Brass screw 40 mm cent 140. 0451 Brass screw 30 mm cent 110. 0452 Brass screw 25 mm cent 100. 0453 Brass screw 25 mm cent 110. 0454 Stainless steel SS grade 304, curtain rod 20 mm dia 1.20mm thick meter 145. 0455 Stainless steel SS gr	0432	Brass hasps and staples (safety type) 115 mm	ten	750.00
0439 Brass piano hinges metre 0440 Brass furniture handles (cupboard handle) each 0442 Brass helical spring 150 mm each 0443 Brass curtain rod 12 mm dia 1.25 mm thick metre 0444 Brass curtain rod 20 mm dia 1.25 mm thick metre 0445 Brass curtain rod 25 mm dia 1.25 mm thick metre 0446 Brass brackets (curtain rods) 20 mm each 50. 0447 Brass cupboard knob or ward robe knob 50 mm each 40. 0448 Brass curtain rails with roller stop ends and brackets metre 0449 Brass screw 50 mm cent 265. 0450 Brass screw 40 mm cent 170. 0451 Brass screw 30 mm cent 140. 0452 Brass screw 25 mm cent 140. 0453 Brass screw 25 mm cent 110. 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick meter 145. 0455 Stainless steel SS grade 304 , brackets (curtain rod) 20 mm dia 1.20mm thick each <t< td=""><td>0433</td><td>Brass hasps and staples (safety type) 90 mm</td><td>ten</td><td>650.00</td></t<>	0433	Brass hasps and staples (safety type) 90 mm	ten	650.00
Brass furniture handles (cupboard handle) 0442 Brass helical spring 150 mm 0443 Brass curtain rod 12 mm dia 1.25 mm thick 0444 Brass curtain rod 20 mm dia 1.25 mm thick 0445 Brass curtain rod 25 mm dia 1.25 mm thick 0446 Brass curtain rod 25 mm dia 1.25 mm thick 0447 Brass curtain rod 25 mm dia 1.25 mm thick 0448 Brass curtain rod 25 mm dia 1.25 mm 0449 Brass cupboard knob or ward robe knob 50 mm 0449 Brass curtain rails with roller stop ends and brackets 0449 Brass screw 50 mm 0450 Brass screw 40 mm 0451 Brass screw 30 mm 0452 Brass screw 25 mm 0453 Brass screw 25 mm 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick 0456 Stainless steel SS grade 304, curtain rod 25 mm dia 1.20mm thick 0457 Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick 0458 plastic sleeves for screw 0524 Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms 10 Nos. 995. 0525 C.P. brass Butt hinges light/ordinary type 125x70x4 mm 10 Nos. 720. 0527 C.P. brass Butt hinges light/ordinary type 100x70x4 mm 10 Nos. 460.	0438	Brass night latch	each	660.00
0442 Brass helical spring 150 mm each 0443 Brass curtain rod 12 mm dia 1.25 mm thick metre 0444 Brass curtain rod 20 mm dia 1.25 mm thick metre 150. 0445 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0446 Brass brackets (curtain rods) 20 mm each 50. 0447 Brass cupboard knob or ward robe knob 50 mm each 40. 0448 Brass screw 50 mm cent 265. 0449 Brass screw 50 mm cent 170. 0450 Brass screw 40 mm cent 140. 0451 Brass screw 25 mm cent 100. 0452 Brass screw 25 mm cent 100. 0453 Brass screw 20 mm cent 110. 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick meter 145. 0455 Stainless steel SS grade 304 , brackets (curtain rod) 20 mm dia 1.20mm thick each 55. 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick each 60. <	0439	Brass piano hinges	metre	NA
0443 Brass curtain rod 12 mm dia 1.25 mm thick metre 0444 Brass curtain rod 20 mm dia 1.25 mm thick metre 0445 Brass curtain rod 25 mm dia 1.25 mm thick metre 0446 Brass brackets (curtain rods) 20 mm each 50. 0447 Brass cupboard knob or ward robe knob 50 mm each 40. 0448 Brass curtain rails with roller stop ends and brackets metre 0449 Brass screw 50 mm cent 265. 0450 Brass screw 40 mm cent 170. 0451 Brass screw 30 mm cent 140. 0452 Brass screw 25 mm cent 100. 0453 Brass screw 20 mm cent 110. 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick meter 145. 0455 Stainless steel SS grade 304 , brackets (curtain rod) 20 mm dia 1.20mm thick meter 180. 0456 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick each 55. 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick	0440	Brass furniture handles (cupboard handle)	each	NA
0444 Brass curtain rod 20 mm dia 1.25 mm thick metre 150. 0445 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0446 Brass brackets (curtain rods) 20 mm each 50. 0447 Brass cupboard knob or ward robe knob 50 mm each 40. 0448 Brass cupboard knob or ward robe knob 50 mm each 40. 0448 Brass cupboard knob or ward robe knob 50 mm each 40. 0448 Brass cupboard knob or ward robe knob 50 mm each 40. 0448 Brass cupboard knob or ward robe knob 50 mm each 40. 0448 Brass cupboard knob or ward robe knob 50 mm each 40. 0449 Brass cupboard knob or ward robe knob 50 mm each 265. 0450 Brass screw 50 mm cent 170. 0451 Brass screw 40 mm cent 100. 0452 Brass screw 25 mm cent 100. 0453 Brass screw 25 mm cent 110. 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick	0442	Brass helical spring 150 mm	each	NA
0445 Brass curtain rod 25 mm dia 1.25 mm thick metre 210. 0446 Brass brackets (curtain rods) 20 mm each 50. 0447 Brass cupboard knob or ward robe knob 50 mm each 40. 0448 Brass curtain rails with roller stop ends and brackets metre 0449 Brass screw 50 mm cent 265. 0450 Brass screw 40 mm cent 170. 0451 Brass screw 30 mm cent 100. 0452 Brass screw 25 mm cent 100. 0453 Brass screw 20 mm cent 110. 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick meter 145. 0455 Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thick meter 180. 0456 Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick each 55. 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick each 60. 0458 plastic sleeves for screw each 2. 0524 Chromium plated Br	0443	Brass curtain rod 12 mm dia 1.25 mm thick	metre	NA
0446Brass brackets (curtain rods) 20 mmeach50.0447Brass cupboard knob or ward robe knob 50 mmeach40.0448Brass curtain rails with roller stop ends and bracketsmetre0449Brass screw 50 mmcent265.0450Brass screw 40 mmcent170.0451Brass screw 30 mmcent100.0452Brass screw 25 mmcent100.0453Brass screw 20 mmcent110.0454Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thickmeter145.0455Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thickmeter180.0456Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thickeach55.0457Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thickeach60.0458plastic sleeves for screweach2.0524Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not10 Nos.995.0525C.P. brass Butt hinges light/ordinary type 125x70x4 mm10 Nos.805.0526C.P. brass Butt hinges light/ordinary type 100x70x4 mm10 Nos.460.0527C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm10 Nos.460.	0444	Brass curtain rod 20 mm dia 1.25 mm thick	metre	150.00
0447 Brass cupboard knob or ward robe knob 50 mm each 40. 0448 Brass curtain rails with roller stop ends and brackets metre 0449 Brass screw 50 mm cent 265. 0450 Brass screw 40 mm cent 170. 0451 Brass screw 30 mm cent 140. 0452 Brass screw 25 mm cent 100. 0453 Brass screw 20 mm cent 110. 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick meter 145. 0455 Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thick meter 180. 0456 Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick each 55. 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick each 60. 0458 plastic sleeves for screw each 2. 0524 Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not 10 Nos. 995. 0525 C.P. brass Butt hinges light/ordinary type 100x70x4 mm 10 Nos. 720. <tr< td=""><td>0445</td><td>Brass curtain rod 25 mm dia 1.25 mm thick</td><td>metre</td><td>210.00</td></tr<>	0445	Brass curtain rod 25 mm dia 1.25 mm thick	metre	210.00
Brass curtain rails with roller stop ends and brackets 0449 Brass screw 50 mm 0450 Brass screw 40 mm 0451 Brass screw 30 mm 0452 Brass screw 25 mm 0453 Brass screw 25 mm 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick 0455 Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thick 0456 Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick 0458 plastic sleeves for screw 0524 Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms 10 Nos. 995. 0525 C.P. brass Butt hinges light/ordinary type 100x70x4 mm 10 Nos. 720. 0527 C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm 10 Nos. 460.	0446	Brass brackets (curtain rods) 20 mm	each	50.00
0449 Brass screw 50 mm cent 265. 0450 Brass screw 40 mm cent 170. 0451 Brass screw 30 mm cent 140. 0452 Brass screw 25 mm cent 100. 0453 Brass screw 20 mm cent 110. 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick meter 145. 0455 Stainless steel SS grade 304 , brackets (curtain rod) 20 mm dia 1.20mm thick meter 180. 0456 Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick each 55. 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick each 60. 0458 plastic sleeves for screw each 2. 0524 Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not 10 Nos. 995. 0525 C.P. brass Butt hinges light/ordinary type 125x70x4 mm 10 Nos. 720. 0526 C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm 10 Nos. 460.	0447	Brass cupboard knob or ward robe knob 50 mm	each	40.00
0450 Brass screw 40 mm cent 170.0 0451 Brass screw 30 mm cent 140.0 0452 Brass screw 25 mm cent 100.0 0453 Brass screw 20 mm cent 110.0 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick meter 145.0 0455 Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thick meter 180.0 0456 Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick each 55.0 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick each 60.0 0458 plastic sleeves for screw each 2.0 0524 Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms 10 Nos. 995.0 0525 C.P. brass Butt hinges light/ordinary type 125x70x4 mm 10 Nos. 720.0 0526 C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm 10 Nos. 460.0	0448	Brass curtain rails with roller stop ends and brackets	metre	NA
Brass screw 30 mm 0452 Brass screw 25 mm 0453 Brass screw 20 mm 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick 0455 Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thick 0456 Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick 0458 plastic sleeves for screw 0524 Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms 0525 C.P. brass Butt hinges light/ordinary type 125x70x4 mm 10 Nos. 805. 0526 C.P. brass Butt hinges light/ordinary type 100x70x4 mm 10 Nos. 460.	0449	Brass screw 50 mm	cent	265.00
Brass screw 25 mm 0453 Brass screw 20 mm 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick 0455 Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thick 0456 Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick 0458 plastic sleeves for screw 0524 Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms 0525 C.P. brass Butt hinges light/ordinary type 125x70x4 mm 10 Nos. 0526 C.P. brass Butt hinges light/ordinary type 100x70x4 mm 10 Nos. 460.	0450	Brass screw 40 mm	cent	170.00
Brass screw 20 mm 0454 Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick meter 0455 Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thick meter 0456 Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick each 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick each 0458 plastic sleeves for screw 0524 Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms 0525 C.P. brass Butt hinges light/ordinary type 125x70x4 mm 10 Nos. 0526 C.P. brass Butt hinges light/ordinary type 100x70x4 mm 10 Nos. 720 0527 C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm 10 Nos. 460	0451	Brass screw 30 mm	cent	140.00
0454Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thickmeter145.0455Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thickmeter180.0456Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thickeach55.0457Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thickeach60.0458plastic sleeves for screweach2.0524Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not10 Nos.995.0525C.P. brass Butt hinges light/ordinary type 125x70x4 mm10 Nos.805.0526C.P. brass Butt hinges light/ordinary type 100x70x4 mm10 Nos.720.0527C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm10 Nos.460.	0452	Brass screw 25 mm	cent	100.00
Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thick 0456 Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick 0457 Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick 0458 plastic sleeves for screw 0524 Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms 0525 C.P. brass Butt hinges light/ordinary type 125x70x4 mm 10 Nos. 0526 C.P. brass Butt hinges light/ordinary type 100x70x4 mm 10 Nos. 720. 0527 C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm 10 Nos. 460.	0453	Brass screw 20 mm	cent	110.00
0456Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thickeach55.0457Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thickeach60.0458plastic sleeves for screweach2.0524Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not10 Nos.995.0525C.P. brass Butt hinges light/ordinary type 125x70x4 mm10 Nos.805.0526C.P. brass Butt hinges light/ordinary type 100x70x4 mm10 Nos.720.0527C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm10 Nos.460.	0454	Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick	meter	145.00
0457Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thickeach60.000458plastic sleeves for screweach2.000524Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not10 Nos.995.000525C.P. brass Butt hinges light/ordinary type 125x70x4 mm10 Nos.805.000526C.P. brass Butt hinges light/ordinary type 100x70x4 mm10 Nos.720.000527C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm10 Nos.460.00	0455	Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thick	meter	180.00
0458plastic sleeves for screweach2.0524Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not10 Nos.995.0525C.P. brass Butt hinges light/ordinary type 125x70x4 mm10 Nos.805.0526C.P. brass Butt hinges light/ordinary type 100x70x4 mm10 Nos.720.0527C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm10 Nos.460.	0456	Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick	each	55.00
Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms 10 Nos. 995. C.P. brass Butt hinges light/ordinary type 125x70x4 mm 10 Nos. 805. C.P. brass Butt hinges light/ordinary type 100x70x4 mm 10 Nos. 720. C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm 10 Nos. 460.	0457	Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick	each	60.00
less than 200gms 10 Nos. 995. 0525 C.P. brass Butt hinges light/ordinary type 125x70x4 mm 10 Nos. 805. 0526 C.P. brass Butt hinges light/ordinary type 100x70x4 mm 10 Nos. 720. 0527 C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm 10 Nos. 460.	0458	plastic sleeves for screw	each	2.00
0525C.P. brass Butt hinges light/ordinary type 125x70x4 mm10 Nos.805.0526C.P. brass Butt hinges light/ordinary type 100x70x4 mm10 Nos.720.0527C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm10 Nos.460.	0524	Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not		
0526C.P. brass Butt hinges light/ordinary type 100x70x4 mm10 Nos.720.0527C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm10 Nos.460.	•	less than 200gms	10 Nos.	995.00
0527 C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm 10 Nos. 460.	0525	C.P. brass Butt hinges light/ordinary type 125x70x4 mm	10 Nos.	805.00
	0526	C.P. brass Butt hinges light/ordinary type 100x70x4 mm	10 Nos.	720.00
	0527	C.P. brass Butt hinges light/ordinary type 75x40x2.5 mm	10 Nos.	460.00
0528 C.P. brass Butt hinges light/ordinary type 50x40x2.5 mm 10 Nos. 200.			10 Nos.	200.00
		75mm SS fancy handles for kitchen cabinet	10 Nos.	255.00
	0553		10 Nos.	470.00
		·		650.00
				190.00
		·		170.00
· · · · · · · · · · · · · · · · · · ·		·		145.00
0558 Mortice latch and lock 100 x 65 mm with 6 levers and a				

	pair of brass lever handles	each	550.00
0568	C.P. brass Casement window fastner	each	90.00
	C.P. brass Casement Stays (straight-peg type)		
0569	300 mm weighing not less than 0.33 kg.	each	155.00
0570	250 mm weighing not less than 0.28 kg.	each	135.00
0571	200 mm weighing not less than 0.24 kg.	each	120.00
0575	Chain with hook for fanlight catch	each	NA
0576	Cupboard lock (six levers) 65 x 35 mm	ten	NA
0583	chromium plated brass. Night latch	each	550.00
0584	Chromium plated brass wardrobe knob 50 mm	each	90.00
0585	Chromium plated brass screws 50 mm	cent	330.00
0586	Chromium plated brass screws 40 mm	cent	320.00
0587	Chromium plated brass screws 30 mm	cent	265.00
0588	Chromium plated brass screws 25 mm	cent	200.00
0589	Chromium plated brass screws 20 mm	cent	175.00
0590	C.P. brass Rod (curtain rods of 1.25 mm thick) 12 mm diameter	metre	205.00
0591	C.P. brass Rod (curtain rods of 1.25 mm thick) 20 mm diameter	metre	285.00
0592	C.P. brass Rod (curtain rods of 1.25 mm thick) 25 mm diameter	metre	375.00
0593	C.P. Brass Extension Nipple (1/2"x2" size)	each	45.00
	Mild steel fittings bright finished or black enamelled		
0594	125x65x2.12 mm butt hinges	ten	165.00
0595	100x58x1.90 mm butt hinges	ten	100.00
0596	75x47x1.70 mm butt hinges	ten	65.00
0597	50x37x1.50 mm butt hinges	ten	55.00
0607	100 mm double acting spring hinges	each	180.00
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	45.00
0610	$300 \times 115 \times 2.24$ mm Tee hinges bright finished or / and black enameled.	ten	NA
0611	$250 \times 115 \times 2.24$ mm Tee hinges bright finished or / and black enameled.	ten	NA
0616	250x10 mm tower bolts (barrel type)	each	45.00
0617	200x10 mm tower bolts (barrel type)	each	40.00
0618	150x10 mm tower bolts (barrel type)	each	36.00
0619	100x10 mm tower bolts (barrel type)	each	29.00
0620	125 mm handles	each	20.00
0621	100 mm handles	each	18.00
0622	75 mm handles	each	16.00
0626	150 mm hooks and eyes	ten	250.00
0627	100 mm hooks and eyes	ten	225.00
0634	Helical door spring 150 mm	each	72.00
0635	Bright finished or black enamelled mild steel 50 mm Screws	cent	85.00
0636	Bright finished or black enamelled mild steel 45 mm Screws	cent	75.00
0637	Bright finished or black enamelled mild steel 40 mm Screws	cent	70.00
0638	Bright finished or black enamelled mild steel 30 mm Screws	cent	52.00
0639	Bright finished or black enamelled mild steel 25 mm Screws	cent	40.00
0640	Bright finished or black enamelled mild steel 20 mm Screws	cent	35.00
0641	Mild steel bright finished or black enamelled bolts and nuts of size 50x6 mm	each	8.00
0642	125x65x2.12 mm Oxidised mild steel butt hinges	ten	145.00
0643	100x58x1.90mm Oxidised mild steel butt hinges	ten	110.00

0644	75x47x1.70mm Oxidised mild steel butt hinges	ten	75.00
0645	50x37x1.50mm Oxidised mild steel butt hinges	ten	63.00
0646	150x125x27x2.80 mm Oxidised mild steel parlimantary hinges	ten	360.00
0647	125x125x27x2.80 mm Oxidised mild steel parlimantary hinges	ten	325.00
0648	100x125x27x2.80 mm Oxidised mild steel parlimantary hinges	ten	275.00
0649	75x100x20x2.24 mm Oxidised mild steel parlimantary hinges	ten	225.00
0650	150 mm Oxidised mild steel single acting spring hinges	each	160.00
0651	125 mm Oxidised mild steel single acting spring hinges	each	140.00
0652	100 mm Oxidised mild steel single acting spring hinges	each	118.00
0653	150 mm Oxidised mild steel double acting spring hinges	each	180.00
0654	125 mm Oxidised mild steel double acting spring hinges	each	160.00
0655	100 mm Oxidised mild steel double acting spring hinges	each	140.00
0656	Mild steel Piano hinges 1 mm thick 35 mm finished with nickle plating .	metre	52.00
0660	Oxidised mild steel sliding door bolts 300x16 mm	each	107.00
0661	Oxidised mild steel sliding door bolts 250x16 mm	each	96.00
0662	Oxidised mild steel sliding door latch 300x20x6 mm	each	60.00
0663	Oxidised mild steel sliding door latch 250x20x6 mm	each	45.00
0664	Oxidised mild steel tower bolts (barrel type) 250x10 mm	each	50.00
0665	Oxidised mild steel tower bolts (barrel type) 200x10 mm	each	42.00
0666	Oxidised mild steel tower bolts (barrel type) 150x10 mm	each	35.00
0667	Oxidised mild steel tower bolts (barrel type) 100x10 mm	each	25.00
0668	Oxidised mild steel handles 125 mm	each	25.00
0669	Oxidised mild steel handles 100 mm	each	18.00
0670	Oxidised mild steel handles 75 mm	each	15.00
0671	Oxidised mild steel hooks and eyes 300 mm	ten	NA
0672	Oxidised mild steel hooks and eyes 250 mm	ten	NA
0673	Oxidised mild steel hooks and eyes 200 mm	ten	NA
0674	Oxidised mild steel hooks and eyes 150 mm	ten	NA
0675	Oxidised mild steel hooks and eyes 100 mm	ten	100.00
0676	Oxidised mild steel door latch fan light catch	ten	90.00
0677	Oxidised mild steel fan light pivot	ten	98.00
0678	Oxidised mild steel chain with hook for fan light catch 300 mm	each	NA
0679	Oxidised mild steel hasps and staples (safety type) 150 mm	ten	148.00
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	ten	124.00
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	ten	90.00
0682	Oxidised mild steel screws 50 mm	cent	90.00
0683	Oxidised mild steel screws 40 mm	cent	76.00
0684	Oxidised mild steel screws 30 mm	cent	59.00
0685	Oxidised mild steel screws 25 mm	cent	46.00
0686	Oxidised mild steel screws 20 mm	cent	42.00
0687	Anodised Aluminium butt hinges of 125x75x4 mm	ten	500.00
0688	Anodised Aluminium butt hinges of 125x63x4 mm	ten	450.00
0689	Anodised Aluminium butt hinges of 100x75x4 mm	ten	450.00
0690	Anodised Aluminium butt hinges of 100x63x3.2 mm	ten	380.00
0691	Anodised Aluminium butt hinges 100x63x4 mm	ten	380.00
0692	Anodised Aluminium butt hinges 75x63x4 mm	ten	330.00
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	ten	263.00

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0694	Anodised Aluminium butt hinges 75x45x3.2 mm	ten	235.00
0695	Anodised Aluminium butt hinges 50x35x3.2 mm	ten	NA
0696	Anodised Aluminium sliding door bolt 300 x16 mm	each	175.00
0697	Anodised Aluminium sliding door bolt 250 x16 mm	each	140.00
0698	Anodised Aluminium tower bolt (barrel type) 300 x10 mm	ten	615.00
0699	Anodised Aluminium tower bolt (barrel type) 250 x10 mm	ten	500.00
0700	Anodised Aluminium tower bolt (barrel type) 200 x10 mm	ten	400.00
0701	Anodised Aluminium tower bolt (barrel type) 150 x10 mm	ten	350.00
0702	Anodised Aluminium tower bolt (barrel type) 100 x10 mm	ten	250.00
0703	Anodised Aluminium handles 125 mm with plate 175x32 mm	ten	380.00
0704	Anodised Aluminium handles 100 mm with plate 150x32 mm	ten	320.00
0705	Anodised Aluminium handles 75 mm with plate 125x32 mm	ten	270.00
0706	Anodised Aluminium Kicking plate 50cm long 100x3.15 mm .	each	160.00
	Block board construction		
0713	35 mm thick flush door teak wood ply on both faces	sqm	2044.00
0714	30 mm thick flush door teak wood ply on both faces	sqm	1850.00
0715	25 mm thick flush door teak wood ply on both faces	sqm	1721.00
0717	35 mm thick Commercial ply on both faces flush door	sqm	1180.00
0718	30 mm thick Commercial ply on both faces flush door.	sqm	1132.00
0719	25 mm thick Commercial ply on both faces flush door.	sqm	1075.00
0721	35 mm thick Commercial ply on one face	sqm	920.00
0722	30 mm thick Commercial ply on one face	sqm	710.00
0723	25 mm thick Commercial ply on one face	sqm	620.00
0752	Block board construction flush door lipping 25 mm thick	sqm of	
		door area	300.00
0753	Square vision panel (upto o.10 sqm) in blackboard construction	sqm of	
	flush door,	door area	145.00
0754	Circular vision panel (upto 0.10 sqm.)in blackboard construction	sqm of	
	flush door,	door area	145.00
0755	Louvers decorative type (upto 0.20 sqm) in blackboard construction	sqm of	
	flush door.	door area	290.00
0757	Rebate cutting in black board construction flush door.	sqm of	
	-	door area	80.00
0759	Decorative plywood 4 mm	sqm	340.00
0761	Fuel wood	quintal	590.00
0763	Glue	kilogram	75.00
0764	Calcium silicate base compound for jointing calcium silicate tiles	kilogram	30.00
0765	Hessian cloth	sqm	35.00
0767	Galvanised steel hooks (for Brass cleats) 7 to 10 cm size	each	NA
0768	50 mm thick Jali (cement concrete)	sqm	400.00
0769	40 mm thick Jali (cement concrete)	sqm	350.00
0770	25 mm thick Jali (cement concrete)	sqm	275.00
0771	Kerosine oil	litre	50.00
0771	White cement based polymer modified self curing compound in powder form	kg	16.00
0772	Un slaked lime	quintal	500.00
0775	Dehradun white lime	quintal	850.00
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0776	Satna lime	quintal	NA

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0777	Dry hydrated lime (factory made)	quintal	290.00
0784	Marble dust / powder	cum	1130.00
0785	White & black marble chips upto 4mm and down size	quintal	423.00
0786	Choclolate, gey / yellow marble chips upto 4 mm and down size	quintal	475.00
0787	Baroda green marble chips upto 5 mm and down size	quintal	480.00
0788	Large size above 4 mm, white & black marble chips	quintal	485.00
0789	Marble pieces for crazy flooring	quintal	385.00
0801	Silicon and acrylic emulsion	litre	118.00
0802	Acrylic distemper 1st quality, having VOC content less than 50gm/litre	kg	40.00
0803	Acrylic emulsion , having VOC content less than 50 gm/litre.	litre	94.00
0804	Premiun acrylic emulsion of interior grade having VOC content		
	less than 50 gm/litre	litre	200.00
0805	Synthetic enamel paint ,having VOC (Volatile Orgnic compound)	1.5.2	
	content less than 150 gm/litre.	litre	NA
0806	Ready mixed pink or grey primer on wood work (hard and soft		
0000	wood) having VOC cotent less than 50 gms/litre	litre	144.00
0807	Ready mixed red oxide zinc chromatic on steel/iron work having	inci e	111.00
0007	VOC content less than 250 gms/litre	litre	127.00
0808	Water thinnable cement primer for interior wall surface, having VOC	nu c	127.00
0808	content less than 50 grams/ litre	litre	82.00
0000 4			
0808 A	Metallic floor hardener	quintal	NA
0809	Exterior primer	kg	140.00
0810	Moorum	cum	500.00
0811	Mud (dry)	cum	165.00
0815	Dry Distemper	kilogram	35.00
0816	Ist quality Acrylic distemper(Ready mix) having VOC content less		
l	than 50 grams/ litre/ oil bound washable distemper	kilogram 	50.00
0818	Linseed oil (double boiled)	litre	220.00
0820	Cement primer	litre	110.00
0821	Distemper primer	litre	85.00
0823	Pink primer (for wood)	litre	152.00
0824	white Cement base putty	kg	22.00
0826	Aluminium paint	litre	228.00
0827	Acid proof paint (chocolate or black)	litre	225.00
0828	Anticorrosive bituminous paint (black)	litre	125.00
0829	Black Japan paint	litre	110.00
0830	Enamel paint	litre	186.00
0831	Floor enamel paint in all shades except green	litre	250.00
0833	Synthetic enamel paint in black or chocolate shade	litre	207.00
0834	Synthetic enamel paint in all shades except black or chocolate	litre	208.00
0835	Plastic acrylic emulsion paint	litre	220.00
0836	100% Premium acrylic dirt resistance, Silicone additives exterior paint	litre	290.00
0837	Acrylic Exterior Primer	litre	124.00
0843	Ready mix paint	litre	280.00
0844	Roofing paint for iron sheets in white, grey or geen shade	litre	180.00
0845	Roofing paint for iron sheets in red colour	litre	220.00
1	Rooming paint for from sheets in red colour	littic	220.00

0851 Water proofing cement paint kilogram 45.00 0855 Wax pollsh (ready made) kilogram 235.00 0856 Ordinary varnish litre 195.00 0857 Superior spar varnish litre 203.00 0858 Superior spar varnish litre 220.00 0865 Superior spar varnish litre 195.00 0860 Paint remover litre 128.00 0865 Pig lead kilogram 30.00 0866 Pre-mixed super white Gypsum plaster kilogram 11.00 0870 Plug each 15.00 0871 Plaster of paris (POP) kilogram 13.00 0872 Plug each 15.00 0873 Pins-Copper pins 6 mm dia 7.5 cm long each 15.00 0873 Pins-Copper pins 6 mm dia 7.5 cm long each 15.00 0873 Pins-Copper pins 6 mm dia 7.5 cm long each 15.00 0874 Black colour dark shade pigments kilogram 18.00 </th <th></th> <th></th> <th></th> <th>ı</th>				ı
0855 Wax polish (ready made) kilogram 235.00 0856 Ordinary varnish litre 195.00 0857 Superior copal varnish litre 203.00 0858 Superior spar varnish litre 220.00 0859 Oll type wood preservative paint litre 195.00 0860 Paint remover litre 128.00 0863 Putty for wood work kilogram 30.00 0866 Pla lead kilogram 174.00 0867 Pilg lead kilogram 11.00 0868 Pre-mixed super white Gypsum plaster kilogram 11.00 0870 Plug each 15.00 0873 Pins-Copper pins 6 mm dia 7.5 cm long each 15.00 0873 Pins-Copper pins 6 mm dia 7.5 cm long each 15.00 0874 Black colour dark shade pigments kilogram 15.00 0875 Red, chocolate, orange, buffyyellow (red oxide of iron) light shade pigments kilogram 15.00 0876 Green or blue me	0850	White lead	kilogram	170.00
0856 Ordinary varnish litre 195.00 0857 Superior oppal varnish litre 203.00 0858 Superior spar varnish litre 195.00 0859 Oil type wood preservative paint litre 195.00 0860 Paint remover litre 128.00 0863 Putty for wood work kilogram 30.00 0863 Plutty for wood work kilogram 11.00 0866 Ple glead kilogram 11.00 0869 Plaster of paris (POP) kilogram 11.00 0870 Pilug each 15.00 0871 Pilug each 15.00 0872 Pilug each 15.00 0873 Pilset of paris (POP) kilogram 85.00 0874 Black colour dark shade pigments kilogram 85.00 0875 Red, chocolate, orange, buff/yellow (red oxide of iron) light shade pigments kilogram 85.00 0875 Red, chocolate, orange, buff/yellow (red oxide of iron) light shade pigments	0851	Water proofing cement paint	kilogram	45.00
0857 Superior copal varnish litre 203.00 0858 Superior spar varnish litre 220.00 0869 Oll type wood preservative paint litre 195.00 0860 Paint remover litre 128.00 0863 Putty for wood work kilogram 30.00 0866 Pig lead kilogram 11.00 0867 Pig lead kilogram 11.00 0868 Pre-mixed super white Gypsum plaster kilogram 11.00 0870 Plug each 15.00 0873 Pins-Copper pins 6 mm dia 7.5 cm long each 15.00 0873 Pins-Copper pins 6 mm dia 7.5 cm long each 15.00 0874 Black colour dark shade pigments kilogram 15.00 0875 Red, chocolate, orange, buff/yellow (red oxide of iron) light shade pigments kilogram 110.00 0876 Red, chocolate, orange, buff/yellow (red oxide of iron) light shade pigments kilogram 110.00 0877 Red, chocolate, orange, mind shade pigments kilogram <td< td=""><td>0855</td><td>Wax polish (ready made)</td><td>kilogram</td><td>235.00</td></td<>	0855	Wax polish (ready made)	kilogram	235.00
0858 Superior spar varnish litre 220,00 0859 Oil type wood preservative paint litre 192,00 0860 Paint remover litre 128,00 0863 Putty for wood work kilogram 30,00 0868 Pre-mixed super white Gypsum plaster kilogram 11,00 0869 Plaster of paris (POP) kilogram 13,00 0870 Plug each 15,00 0873 Plins-Copper pins 6 mm dia 7.5 cm long each 15,00 0874 Black colour dark shade pigments kilogram 85,00 0875 Red, chocolate, orange, buff/yellow (red oxide of iron) light shade pigments kilogram 85,00 0875 Red, chocolate, orange, buff/yellow (red oxide of iron) light shade pigments kilogram 85,00 0876 Green or blue medium shade pigments kilogram 85,00 0877 Red, chocolate, orange, buff/yellow (red oxide of iron) light shade pigments kilogram 85,00 0876 Jassanda 4,2 1,5 1,5 1,0 1,0	0856	Ordinary varnish	litre	195.00
0859 Oil type wood preservative paint litre 195,00 0860 Paint remover litre 128,00 0863 Putty for wood work kilogram 30,00 0865 Pig lead kilogram 174,00 0868 Pre-mixed super white Gypsum plaster kilogram 11,00 0869 Plaster of paris (POP) kilogram 13,00 0870 Plug each 15,00 0873 Plns-Copper pins 6 mm dia 7.5 cm long each 15,00 0874 Black colour dark shade pigments kilogram 85,00 0875 Red, chocolate, orange, buffyellow (red oxide of iron) light shade pigments kilogram 85,00 0876 Green or blue medium shade pigments kilogram 85,00 0876 Green or blue medium shade pigments kilogram 85,00 0882 A.C. pipe 150mm dia each 150,00 0886 150mm dia Standard holdar bat clamps for S.C.I. or C.I. Pipes each 50,00 0866 150mm dia Standars liron plain shuters each 2	0857	Superior copal varnish	litre	203.00
Paint remover Ritter 128.00	0858	Superior spar varnish	litre	220.00
0860 Paint remover littre 128.00 0863 Putty for wood work kilogram 30.00 0865 Pig lead kilogram 174.00 0868 Pre-mixed super white Gypsum plaster kilogram 11.00 0869 Plaster of paris (POP) kilogram 13.00 0870 Plug each 15.00 0873 Pins-Copper pins 6 mm dia 7.5 cm long each 15.00 0874 Black colour dark shade pigments kilogram 85.00 0875 Red, chocolate, orange, buff/yellow (red oxide of iron) light shade pigments kilogram 85.00 0876 Green or blue medium shade pigments kilogram 85.00 0876 Green or blue medium shade pigments kilogram 85.00 0876 Green or blue medium shade pigments kilogram 85.00 0876 Jeen or blue medium shade pigments kilogram 85.00 0876 Jen stade shade shade holdar bat clamps for S.C.I. or C.I. Pipes each 50.00 0882 A.C. pipe 150mm dia sand sale	0859		litre	195.00
0863 Putty for wood work kilogram 30.00 0865 Pig lead kilogram 174.00 0868 Pre-mixed super white Gypsum plaster kilogram 11.00 0869 Plaster of paris (POP) kilogram 13.00 0870 Plug each 15.00 0873 Pins-Copper pins 6 mm dia 7.5 cm long each 15.00 0874 Black colour dark shade pigments kilogram 85.00 0875 Red, chocolate, orange, buff/yellow (red oxide of iron) light shade pigments kilogram 110.00 0876 Green or blue medium shade pigments kilogram 85.00 0882 A.C. pipe 150mm dia each NA 0885 150mm dia Standard holdar bat clamps for S.C.I. or C.I. Pipes each 50.00 0886 150mm dia Standard holdar bat clamps for S.C.I. or C.I. Pipes each 285.00 0966 150mm dia Standard shidar bat clamps for S.C.I. or C.I. Pipes each 50.00 0967 Plate - Copper Kilogram Kilogram 450.00 0971 R	0860		litre	128.00
0865 Pig lead killogram 174.00 0868 Pre-mixed super white Gypsum plaster killogram 11.00 0869 Plaster of paris (POP) killogram 13.00 0870 Plug each 15.00 0873 Pins-Copper pins 6 mm dia 7.5 cm long each 15.00 0874 Black colour dark shade pigments killogram 85.00 0875 Red, chocolate, orange, bufflyellow (red oxide of iron) light shade pigments killogram 85.00 0876 Green or blue medium shade pigments killogram 85.00 0876 Green or blue medium shade pigments killogram 85.00 0876 Green or blue medium shade pigments killogram 85.00 0876 Green or blue medium shade pigments killogram 85.00 0886 150mm dia Standard holdar bat clamps for S.C.I. or C.I. Pipes each 50.00 0867 Plate - Copper Killogram 85.00 0967 Plate - Copper Killogram 85.00 0977 Rod Reflector Rod Reflector<	0863	Putty for wood work	kilogram	
December		·	_	
Plaster of paris (POP)	0868		_	
Plug				
Pins-Copper pins 6 mm dia 7.5 cm long				
Black colour dark shade pigments				
0875 Red, chocolate, orange, buff/yellow (red oxide of iron) light shade pigments kilogram 110.00 0876 Green or blue medium shade pigments kilogram 85.00 0882 A.C. pipe 150mm dia each NA 0886 150mm dia Standard holdar bat clamps for S.C.I. or C.I. Pipes each 50.00 0966 150mm dia Stand cast iron plain shoe each 285.00 0967 Plate - Copper Kilogram 630.00 0969 25 mm dia pulleys each 55.00 0971 Rivets quintal 7000.00 0972 Road Reflector each ach 0973 Rolling shutter made of 80 x1.25 mm thick machine rolled laths sqm 1600.00 0974 Top cover for rolling shutters each 350.00 0975 27.5 cm long wire spring grade no 2 for rolling shutters each 350.00 0976 Ball bearing for rolling shutters each 330.00 Extra for mechanical devices chain and cranked operation for operating rolling shutters each 380.00 0978 </td <td></td> <td></td> <td></td> <td></td>				
0876 Green or blue medium shade pigments kilogram 85.00 0882 A.C. pipe 150mm dia each NA 0886 150mm dia Standard holdar bat clamps for S.C.I. or C.I. Pipes each 50.00 0966 150mm dia Sand cast iron plain shoe each 285.00 0967 Plate - Copper Kilogram 630.00 0969 25 mm dia pulleys each 55.00 0971 Rivets quintal 7000.00 0972 Road Reflector each 26.00 0973 Rolling shutter made of 80 x1.25 mm thick machine rolled laths sgm 1600.00 0974 Top cover for rolling shutters 1.25 mm thick metre 950.00 0975 27.5 cm long wire spring grade no 2 for rolling shutters each 350.00 0976 Ball bearing for rolling shutters each 350.00 0977 Exceeding 10.00 sqm and upto 16.80 sqm area of door sqm 880.00 0978 Exceeding 16.80 sqm area of door sqm 880.00 0979 Royalty for sludge cum			_	
0882 A.C. pipe 150mm dia each NA 0886 150mm dia Standard holdar bat clamps for S.C.I. or C.I. Pipes each 50.00 0966 150mm dia Sand cast iron plain shoe each 285.00 0967 Plate - Copper Kilogram 630.00 0969 25 mm dia pulleys each 55.00 0971 Rivets quintal 7000.00 0972 Road Reflector each 287.00 0973 Rolling shutter made of 80 x1.25 mm thick machine rolled laths sqm 1600.00 0974 Top cover for rolling shutters 1.25 mm thick. metre 950.00 0975 27.5 cm long wire spring grade no 2 for rolling shutters each 350.00 0976 Ball bearing for rolling shutters each 330.00 Extra for mechanical devices chain and cranked operation for operating rolling shutters. 0977 Exceeding 10.00 sqm and upto 16.80 sqm area of door sqm 880.00 0978 Exceeding 16.80 sqm area of door sqm 880.00 0979 Royalty for sludge cum				
0886 150mm dia Standard holdar bat clamps for S.C.I. or C.I. Pipes each 50.00 0966 150mm dia Sand cast iron plain shoe each 285.00 0967 Plate - Copper Kilogram 630.00 0969 25 mm dia pulleys each 55.00 0971 Rivets quintal 7000.00 0972 Road Reflector each 26.00 0973 Rolling shutter made of 80 x1.25 mm thick machine rolled laths sqm 1600.00 0974 Top cover for rolling shutters 1.25 mm thick. metre 950.00 0975 27.5 cm long wire spring grade no 2 for rolling shutters each 350.00 0976 Ball bearing for rolling shutters each 330.00 Extra for mechanical devices chain and cranked operation for operating rolling shutters. each 330.00 Exceeding 10.00 sqm and upto 16.80 sqm area of door sqm 880.00 0978 Exceeding 16.80 sqm area of door sqm 880.00 0979 Royalty for good earh cum 770.00 0980 Royalty for sludge </td <td></td> <td></td> <td></td> <td></td>				
0966 150mm dia Sand cast iron plain shoe each 285.00 0967 Plate - Copper Kilogram 630.00 0969 25 mm dia pulleys each 55.00 0971 Rivets quintal 7000.00 0972 Road Reflector each 8qm 1600.00 0973 Rolling shutter made of 80 x1.25 mm thick. metre 950.00 0974 Top cover for rolling shutters 1.25 mm thick. metre 950.00 0975 27.5 cm long wire spring grade no 2 for rolling shutters each 350.00 0976 Ball bearing for rolling shutters each 350.00 0976 Extra for mechanical devices chain and cranked operation for operating rolling shutters. 0977 Exceeding 10.00 sqm and upto 16.80 sqm area of door sqm 880.00 0978 Exceeding 16.80 sqm area of door sqm 880.00 0979 Royalty for good earh cum 20.00 0980 Royalty for sludge cum 770.00 0981 Fine sand zone IV cum 770.00				
0967 Plate - Copper Kilogram 630.00 0969 25 mm dia pulleys each 55.00 0971 Rivets quintal 7000.00 0972 Road Reflector each each 0973 Rolling shutter made of 80 x1.25 mm thick. metre 950.00 0974 Top cover for rolling shutters 1.25 mm thick. metre 950.00 0975 27.5 cm long wire spring grade no 2 for rolling shutters each 330.00 0976 Ball bearing for rolling shutters each 330.00 Extra for mechanical devices chain and cranked operation for operating rolling shutters. operation for operating rolling shutters. 0977 Exceeding 16.80 sqm and upto 16.80 sqm area of door sqm 880.00 0978 Exceeding 16.80 sqm area of door sqm 880.00 0979 Royalty for good earh cum 20.00 0980 Royalty for sludge cum 770.00 0981 Fine sand zone IV cum 770.00 0982 Glass sheet (pin head) 3 mm thick sqm 350.00				
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0996Standard quality hard board sheet 4.5 mm thicksqm230.000999Shellackilogram350.001000Spiritlitre48.00	0994	Standard quality hard board sheet 3 mm thick	sqm	130.00
0999 Shellac kilogram 350.00 1000 Spirit litre 48.00	0995	Standard quality hard board sheet 4 mm thick	sqm	150.00
0999 Shellac kilogram 350.00 1000 Spirit litre 48.00	0996	Standard quality hard board sheet 4.5 mm thick	sqm	230.00
1000 Spirit litre 48.00	0999	Shellac	kilogram	350.00
	1000	Spirit	litre	48.00
1 1	1001	Spun yarn	kilogram	50.00

	Steel		
1002	Mild steel round bar 12 mm dia and below	quintal	7130.00
1003	Mild steel round bar above 12 mm dia	quintal	7130.00
1004	Average rate of Mild steel round bars for reinforcement	quintal	6790.00
1005	Twisted steel/ deformed TMT bars Fe-500D	quintal	7350.00
1006	Mild steel square bars	quintal	7130.00
1007	Structural steel such as tees, angles, channels and R.S. joists	quintal	7000.00
1008	Flats upto 10 mm in thickness	quintal	7500.00
1009	Flats exceeding 10 mm in thickness	quintal	7500.00
1010	Mild steel plates	quintal	8000.00
1011	Steel glazed door, window/ ventilator, all members viz.F7D,F4B		
	K11 & K1 2B etc.	kg	61.00
1012	Pregalvanized high tensile steel confirming to IS:277-199	kg	100.00
1013	Mild steel sheets of 1.00 mm thickness for tanks	quintal	6790.00
1014	Mild steel barbed wire	quintal	5500.00
1015	Mild steel expanded metal 20x60 mm strands 3.25 mm wide 1.60 mm thick	sqm	360.00
1016	20x6 mm mild steep clamps 15 cm long (for securing chikcs)	each	NA
1017	Mild steel ring 40 mm dia 6 mm round bar	each	10.00
1019	Mild steel hooks	each	35.00
1020	Mild steel rivets	quintal	8400.00
1021	Hard drawn steel wire fabric 75 x 25 mm mesh of weight not less than 7.75 kg/sqm	sqm	440.00
1022	Galvanised steel bolts and nuts 6 mm dia. and		
	25 mm long round head with slots	ten	48.00
1023	Galvanised steel J or L hooks 8 mm dia	ten	130.00
1024	Galvanised steel bolts and nuts 10 mm dia. and 125 mm long		
	round head with slots	each	12.00
1025	Mild steel bolts 6 mm dia and 25 mm long with hexagonal head	ten	12.00
1027	Erection Bolts (Minimum 04 nos for each element)	each	30.00
1028	Straining bolts	each	90.00
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 27 cm long both sides		
	threaded with 4 galvanised steel nuts	each	25.00
1032	Galvanised steel bolts 10 mm dia 7 cm long with nuts	each	8.00
1033	Galvanised steel bolts 8 mm dia 7 cm long with nuts.	each	6.00
1034	bolts and nuts upto 300 mm in length	quintal	4800.00
1035	bolts and nuts above 300 mm in length	quintal	5200.00
1036	Iron Pintels including welded pin	each	40.00
1143	Steel Beading size 10x10x1.6 mm (box type)	metre	35.00
1144	Aluminium beading	metre	27.00
1145	Aluminium Plain Strip edging 38x12x3mm	metre	90.00
1146	Aluminium strip 10 mm	kilogram	240.00
1147	Aluminium strip 25 mm	kilogram	240.00
1149	Glass strips 4 mm thick 40 mm deep	metre	17.00
1150	Glass strips 6 mm thick 40 mm deep	metre	21.00
1151	Boundry stone top chisel dressed 15x15x90 cm	each	80.00
1154	Through and bond stone size 24x24x39 cm	cent	5000.00

1155	Stone boulder (quarry) nominal size 225 mm		
	(Stack measurements reduced by 15%)	cum	1175.00
1156	Stone boulder (nallah) nominal size 225 mm		
	(Stack measurements reduced by 15%)	cum	700.00
1157	Stone for masonry work (quarry)	cum	2400.00
1157.1	Stone for masonry work (nallah split)	cum	700.00
1157.2	Devri Stone		
	(A) Devri Stone (Fine Chissel Dressed Quarry)	cum	46626.00
	(B) Devri Stone (Rough Chissel Dressed Quarry)	cum	39453.00
	(C) Devri Stone (Rough Chissel Dressed Quarry)	meter	1804.00
1158	Stone for pitching 15x22.5 cm	cum	700.00
1159	Stone dust	cum	770.00
1160	Red sand stone block	10 cudm	80.00
1161	White sand stone block	10 cudm	220.00
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	800.00
1164	Red sand stone slab 40 mm thick (undressed)	sqm	230.00
1165	White sand stone slab 40 mm thick (undressed)	sqm	250.00
1166	Red sand stone slab 30 mm thick (undressed)	sqm	220.00
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished)	sqm	484.00
1169	Kota stone slab 25 mm thick (rough chiselled)	sqm	500.00
1170	Kota stone slab 30 mm to 40 mm thick (semi-polished)	sqm	NA.
1172	Kota stone slab 45 mm to 50 mm thick (semi-polished)	sqm	NA
1174	Red sand stone slab 45 to 50 mm thick (undressed)	sqm	260.00
1175	White sand stone slab 45mm to 50 mm thick (undressed)	sqm	300.00
1177	Stone grit 6 mm & down size or pea sized gravel	cum	700.00
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, Balarshahor Malabar in planks	cum	NA
1187	First Class teak wood in Scantling	cum	120141.00
1188	First Class teak wood in planks	cum	121908.00
1189	Second class teak wood in scantling	cum	98900.00
1190	Second class teak wood in planks	cum	100706.00
1191	First class deodar wood in scantling	cum	100570.00
1192	First class deodar wood in planks	cum	101671.00
1193	Second class deodar wood in scantling	cum	91488.00
1194	Second class deodar wood in planks	cum	76905.00
1195	First class Kail wood in scantling	cum	61500.00
1196	First class kail wood in planks	cum	62500.00
1197	Second class kail wood in scantling	cum	55966.00
1198	Second class kail wood in planks	cum	51700.00
1199	Sal wood in scantling	cum	85000.00
1199(A)	Budloo / Fir wood (a) Scantling	cum	20267.00
	(b) Planks	cum	17019.00
1200	Kiln seasoned selected sheesham wood planks	cum	70800.00
1201	Precast terrazo tiles 22 mm thick (light shade)	sqm	375.00
1202	Precast terrazo tiles 22 mm thick (medium shade)	sqm	355.00
1203	Precast terrazo tiles 22 mm thick (dark shade)	sqm	345.00

1204	Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick	sqm	430.00
1207	G.I. limpet washer	cent	50.00
1208	Bitumen washer	cent	55.00
1209	G.I. plain washer thick	cent	45.00
1210	G.I. plain washer thin	cent	35.00
1211	G.I. plain washer for seam bolts	cent	40.00
1213	Water proofing material.	kilogram	38.00
1214	Welding by gas plant	cm	9.00
1215	Welding by electric plant	cm	4.00
1216	Whiting	quintal	635.00
1217	GI Wire mesh 100x100 mm	kg	80.00
1218	Shear stud	each	54.00
1219	Wire nails	kilogram	68.00
1220	Wire mesh (Rabbit)	sqm	45.00
1221	20 mm dia holding down bolts	quintal	6750.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	130.00
1223	Steel weld mesh	sqm	165.00
1224	Hard drawn steel wire	quintal	5250.00
1225	Mild steel flat strap fitting	quintal	4710.00
1226	Pull bolt (locking bolt) with screws complete	each	NA
1227	Chequered terrazo tiles 22 mm thick (light shade)	sqm	390.00
1228	Chequered terrazo tiles 22 mm thick (medium shade)	sqm	370.00
1229	Chequered terrazo tiles 22 mm thick (dark shade)	sqm	360.00
1231	Extra for selected planks of second class teak wood	cum	16500.00
1234	Aluminium plain strip edging 57x12x3 mm	metre	142.00
1235	Diesel oil	litre	92.05
1236	Soling stone	cum	700.00
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	14.00
1238	Extra for selected planks of first class teak wood	10 cudm	175.00
1239	18 mm thick Flamed finish granite stone slab	sqm	2200.00
1240	18 mm thick Italian Marble stone slab, Perlato		
	(slab area up to0.5 sqm).	sqm	3580.00
1241	LPG (Commercial Cylinder)	kg	105.00
1242	Glass mossaic tiles (20 mm x 20 mm x 4 mm).	sqm	2049.00
1243	Tile fixing chemical adhesive	kg	20.00
1244	Cement Polymer Grout Compound	kg	65.00
1245	Acid for cleaning tiles	litre	50.00
1246	Silicon based Joint Sealant for Tiles	kg	195.00
1247	Rubber base Adhesive	kg	228.00
1248	Epoxy based sealing Compound	kg	600.00
1249	Acrylic based sealing compound	kg	550.00
1250	Non woven reinforcement Tape	metrre	0.15
1251	M-60 grade cemetitious grout (Non Shrink)	kg	35.00
1252	Cementitious polymer base adhesive confirming to EOTA ETAG 004		
	(European Technical Approval)	kg	37.00
1253	Polypropylene mechanical fastener with plastic pin confirming to		
	EOTA ETAG 014 (European Technical Approval) having dia 10mm &		

	L=200mm	each	35.00
1254	Moisture cure Polyurethane Foam	750 ml	660.00
1255	PVC Corner Bead of size 25mmx25mm fixed with glass fibre mesh		
	(100mm x 100mm)	meter	98.00
1256	Cementitious polymer base coat confirming to EOTA ETAG 004		
	(European Technical Approval)	kg	45.00
1257	Fiberglass mesh with alkali-resistant coating having mass per unit		
	area ?145 g/m2, mesh size: 3.9x4.0 mm ±10%	sqm	82.50
1301	Bleaching powder	quintal	2100.00
1304	Box (Surface) for stop cock	each	125.00
1305	Box (Surface) for sluice valve	each	210.00
1305.1	C.I. surface box with hinged cover (100x100x75mm) inside	each	NA
1307	Box (Surface) for water meter	each	255.00
1308	Bracket C.I. for flushing cistern	pair	70.00
1309	Bracket C.I. for wash basin and sinks	pair	70.00
1313	8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with	each	280.00
	S.S. tringular plate for Eureopean type W.C.		
1314	C.P. brass chain with 32 mm dia rubber plug	each	70.00
1315	C.P. brass chain with 40 mm dia rubber plug	each	90.00
1316	50mmx50mm hardwood plug	each	75.00
1329	Holder bat clamp 32 mm	each	N/
1330	Clamps and M.S. stays including bolts and nuts for 100 mm pipe	each	70.00
1331	M.S. Holder bat clamp of approved design 100 mm S.C.I. pipe	each	32.00
1332	M.S. Holder bat clamp of approved design 75 mm S.C.I. pipe	each	31.00
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	50.00
1336	100 mm dia Clearing eye with chain and lid	each	44.00
1337	150 mm dia Clearing eye with chain and lid	each	50.00
1339	15 mm dia Brass bib cock	each	230.00
1340	20 mm dia Brass bib cock	each	255.00
1342	Brass stop cock 15 mm dia	each	230.00
1343	Brass stop cock 20 mm dia	each	260.00
1350	Mosquito proof coupling of approved design	each	34.00
1352	C.I. cover and frame 300x300 mm inside	each	495.00
1353	C.I. cover without frame 300x300mm inside including cover of 4.50 kg	each	495.00
1354	Cover L.D. Rectangular 455x610mm with frame	each	1410.00
1355	Cover L.D. Rectangular 455x610mm without frame	each	1160.00
1356	500 mm dia cover with frame (medium duty)	each	4400.00
1357	501 mm dia cover without frame (medium duty)	each	2450.00
1360	Ferrule Brass, C.I. Mouth 15 mm dia	each	160.00
1361	Ferrule Brass, C.I. Mouth 20 mm dia	each	190.00
1362	Ferrule Brass, C.I. Mouth 25 mm dia	each	260.00
1363	Vitreous china foot rests 250x130x30	pair	200.00 NA
1364	Grating (C.I.) 100x100 mm	each	50.00
1365	Grating (C.I.) 125x125 mm	each	60.00
	Grating (C.I.) 125x125 mm Grating (C.I.) 150x150 mm		
1366		each	65.00
1367	Grating (C.I.) 180x180 mm	each	75.00

	T.			
1369	Grating (S.C.I.) for gully or N	ahni 100 mm dia	each	35.00
1373	Rubber insertions for 75 mm	dia pipe joints	each	20.00
1374	Insertions of Rubber for 100	mm dia pipe joints	each	25.00
1375	Insertions of Rubber for 125	mm dia pipe joints	each	32.00
1376	Insertions of Rubber for 150	mm dia pipe joints	each	40.00
1377	Insertions of Rubber for 200	mm dia pipe joints	each	55.00
1378	Insertions of Rubber for 250	mm dia pipe joints	each	65.00
1379	Insertions of Rubber for 300	mm dia pipe joints	each	80.00
1380	Insertions of Rubber for 350 r	mm dia pipe joints	each	92.00
1381	Insertions of Rubber for 400	mm dia pipe joints	each	115.00
1382	Insertions of Rubber for 450	mm dia pipe joints	each	128.00
1383	Insertions of Rubber for 500 r	mm dia pipe joints	each	150.00
1384	Insertions of Rubber for 600	mm dia pipe joints	each	170.00
1392	Mirror of superior make glass	60x45 cm	each	600.00
1396	Vitreous china pedestal for wa	ash basin	each	900.00
1397	Pig lead		kilogram	200.00
1464	S&S C.I. standard specials up	to 300 mm dia (heavy class)	quintal	3900.00
1466	S&S C.I. standard specials ov	er 300 mm dia (heavy class)	quintal	4000.00
1468	Flanged C.I. standard specials	s upto 300 mm dia (heavy class)	quintal	6000.00
1470	Flanged C.I. standard specials	s over 300 mm dia (heavy class)	quintal	6200.00
1472	Casing pipe 100 mm dia		metre	365.00
	Flush pipe with union spre	aders and clamps all in C.P. Brass for		
1532	Single stall		each	310.00
1533	Double stall		each	435.00
1534	Range of three stall		each	535.00
1535	Range of four stall		each	620.00
	Flush pipe (G.I.) and sprea	aders for squatting plate urinal		
1540	Single set of one plate		each	195.00
1541	Range of two plates		each	280.00
1542	Range of three plates		each	322.00
1543	Range of four plates		each	455.00
1545	15 mm dia G.I. Pipes	(a) Light	metre	115.00
		(b) Medium.	metre	135.00
1546	20 mm dia G.I. Pipes	(a) Light	metre	150.70
		(b) Medium.	metre	170.70
1547	25 mm dia G.I. Pipes	(a) Light	metre	203.90
		(b) Medium.	metre	223.90
1548	32 mm dia G.I. Pipes	(a) Light	metre	256.70
		(b) Medium.	metre	276.70
1549	40 mm dia G.I. Pipes	(a) Light	metre	285.65
		(b) Medium.	metre	325.65
1550	50 mm dia G.I. Pipes	(a) Light	metre	357.54
		(b) Medium.	metre	557.54
1551	65 mm dia G.I. Pipes	(a) Light	metre	487.14
		(b) Medium.	metre	687.14

		(b) Medium.	metre	784.70
1552.1	100 mm dia G.I. Pipes	(a) Light	metre	832.92
		(b) Medium.	metre	964.00
1552.2	150 mm dia G.I. Pipes	(a) Light	metre	NA
		(b) Medium.	metre	1517.00
1553	15 mm dia G.I. back (Jam) nu	ts	each	NA
1554	20 mm dia G.I. back (Jam) nu	ts	each	NA
1555	25 mm dia G.I. back (Jam) nu	ts	each	17.00
1556	32 mm dia G.I. back (Jam) nu	ts	each	NA
1557	40 mm dia G.I. back (Jam) nu	ts	each	NA
1558	50 mm dia G.I. back (Jam) nu	ts	each	NA
1559	65 mm dia G.I. back (Jam) nu	ts	each	32.00
1560	80 mm dia G.I. back (Jam) nu		each	NA
1561	15 mm dia G.I. back 90 degree		each	30.00
1562	20 mm dia G.I. back 90 degree		each	40.00
1563	25 mm dia G.I. back 90 degree		each	46.00
1564	32 mm dia G.I. back 90 degree		each	72.00
1565	40 mm dia G.I. back 90 degree		each	95.00
1566	50 mm dia G.I. back 90 degree		each	130.00
1567	65 mm dia G.I. back 90 degree		each	NA
1568 1569	80 mm dia G.I. back 90 degreen 15 mm dia G.I. crosses	e	each	NA 51.00
1570	20 mm dia G.I. crosses		each each	58.00
1571	25 mm dia G.I. crosses		each	100.00
1572	32 mm dia G.I. crosses		each	157.00
1573	40 mm dia G.I. crosses		each	200.00
1574	50 mm dia G.I. crosses		each	310.00
1577	15 mm dia G.I. elbows		each	25.00
1578	20 mm dia G.I. elbows		each	40.00
1579	25 mm dia G.I. elbows		each	55.00
1580	32 mm dia G.I. elbows		each	85.00
1581	40 mm dia G.I. elbows		each	115.00
1582	50 mm dia G.I. elbows		each	200.00
1583	65 mm dia G.I. elbows		each	325.00
1584	80 mm dia G.I. elbows		each	430.00
1593	15 mm dia G.I. plugs		each	14.00
1594	20 mm dia G.I. plugs		each	21.00
1595	25 mm dia G.I. plugs		each	31.00
1596	32 mm dia G.I. plugs		each	48.00
1597	40 mm dia G.I. plugs		each	68.00
1598	50 mm dia G.I. plugs		each	105.00
1599	65 mm dia G.I. plugs		each .	135.00
1600	80 mm dia G.I. plugs		each	165.00
1601	20 mm to 15 mm G.I. sockets		each	28.00
1602	25 mm to any smaller size G.I	`	each	35.00
1603	32 mm to any smaller size G.I	`	each	52.00
1604	40 mm to any smaller size G.I	. sockets (reducing)	each	64.00

1605	50 mm to any smaller size G.I. sockets (reducing)	each	100.00
1606	15 mm G.I. Tee (equal)	each	31.00
1607	20 mm G.I. Tee (equal)	each	49.00
1608	25 mm G.I. Tee (equal)	each	67.00
1609	32 mm G.I. Tee (equal)	each	104.00
1610	40 mm G.I. Tee (equal)	each	140.00
1611	50 mm G.I. Tee (equal)	each	220.00
1612	65 mm G.I. Tee (equal)	each	380.00
1613	80 mm G.I. Tee (equal)	each	545.00
1614	G.I. inlet connection	each	63.00
	Sand cast iron soil, waste vent pipes		
1615	50 mm Single socketed pipe 1.80 metres long	each	958.00
1616	75 mm Single socketed pipe 1.80 metres long	each	1080.00
1617	100 mm Single socketed pipe 1.80 metres long	each	1211.00
1618	150 mm Single socketed pipe 1.80 metres long	each	2572.00
1620	S.C.I 75 mm with plain bend	each	262.00
1621	S.C.I 100 mm with plain bend	each	332.00
1622	S.C.I 150 mm with plain bend	each	755.00
1624	S.C.I 75 mm with access door bend.	each	297.00
1625	S.C.I 100 mm with access door bend.	each	382.00
1627	S.C.I. plain 75x75x75 mm dia Single equal junctions	each	504.00
1628	S.C.I. plain 100x100x100 mm dia Single equal junctions	each	676.00
1630	S.C.I.75x75x75 mm dia Single equal junctions plain with access door	each	655.00
1631	S.C.I 100x100x100mm dia Single equal junctions plain with access door	each	756.00
1633	S.C.I. plain 75x75x75x75 mm dia Double equal junctions	each	787.00
1634	S.C.I. plain 100x100x100x100 mm dia Double equal junctions	each	978.00
1636	S.C.I. 75x75x75x75 mm dia Double equal junctions with access door	each	827.00
1637	S.C.I.100x100x100x100mm dia Double equal junctions with access door	each	1029.00
1639	75 mm dia Slotted Cowl (terminal quard)	each	201.00
1640	100 mm dia Slotted Cowl (terminal quard)	each	252.00
1641	15 mm nominal bore G.I. Unions	each	48.00
1642	20 mm nominal bore G.I. Unions	each	66.00
1643	25 mm nominal bore G.I. Unions	each	90.00
1644	32 mm nominal bore G.I. Unions	each	135.00
1645	40 mm nominal bore G.I. Unions	each	165.00
1646	50 mm nominal bore G.I. Unions	each	253.00
1647	65 mm nominal bore G.I. Unions	each	475.00
1648	80 mm nominal bore G.I. Unions	each	619.00
1649	Polyethylene water storage tank with cover	per litre	6.10
	and suitable locking arrangement	capacity	
1653	S.C.I. 100x100x75 mm dia S&S plain Single unequal junctions	each	568.00
1656	S.C.I. 100x100x75 mm dia S&Sv Single unequal junctions plain	each	656.00
	with access door		
1659	S.C.I. 100x100x75x75 mm dia S&S plain Double unequal junctions	each	707.00
1662	S.C.I. 100x100x75x75 mm dia S&S Double unequal junctions plain	each	827.00
	with access door		
1			1

1667	S.C.I. Heal rest bend of 100 mm dia	each	400.00
1669	S.C.I. 75x75x75 mm dia Single equal invert branch of required degree	each	368.00
1670	S.C.I. 100x100x100 mm dia Single equal invert	each	435.00
	branch of required degree		
1672	S.C.I. 75x75x75 mm dia Double equal invert branch of required degree	each	425.00
1673	S.C.I. 100x100x100x100 mm dia Double equal invert branch	each	550.00
	of required degree		
1674	S.C.I. 100x100x75 mm dia Single unequal invert branch	each	500.00
	of required degree		
1677	S.C.I. 100x100x75x75 mm dia Double unequal invert branch	each	600.00
	of required degree		
1682	75 mm dia Sand cast iron door pieces	each	285.00
1683	100 mm dia Sand cast iron door pieces	each	485.00
1685	S.C.I. 75 mm dia Collar	each	180.00
1686	S.C.I. 100 mm dia Collar	each	270.00
	Unplasticised P.V.C. connection pipe with brass		
1687	15 mm bore for 30 cm long Union	each	50.00
1688	20 mm bore for 30 cm long Union	each	60.00
1689	15 mm bore for 45 cm long Union	each	55.00
1690	20 mm bore for 45 cm long Union	each	65.00
1693	S.C.I. hand pump	each	770.00
	RCC pipes and collars		
1700	100 mm dia R.C.C. Pipes NP 2 Class	metre	200.00
1701	150 mm dia R.C.C. Pipes NP 2 Class	metre	270.00
1702	250 mm dia R.C.C. Pipes NP 2 Class	metre	340.00
1703	300 mm dia R.C.C. Pipes NP 2 Class	metre	400.00
1704	450 mm dia R.C.C. Pipes NP 2 Class	metre	560.00
1705	500 mm dia R.C.C. Pipes NP 2 Class	metre	725.00
1706	600 mm dia R.C.C. Pipes NP 2 Class	metre	920.00
1707	700 mm dia R.C.C. Pipes NP 2 Class	metre	1250.00
1709	800 mm dia R.C.C. Pipes NP 2 Class	metre	1400.00
1710	900 mm dia R.C.C. Pipes NP 2 Class	metre	1600.00
1711	1000 mm dia R.C.C. Pipes NP 2 Class	metre	1960.00
1712	1100 mm dia R.C.C. Pipes NP 2 Class	metre	2080.00
1713	1200 mm dia R.C.C. Pipes NP 2 Class	metre	2200.00
1714	100 mm dia NP 2 Class Collars R.C.C.	each	35.00
1715	150 mm dia NP 2 Class Collars R.C.C.	each	40.00
1716	250 mm dia NP 2 Class Collars R.C.C.	each	60.00
1717	300 mm dia NP 2 Class Collars R.C.C.	each	124.00
1718	450 mm dia NP 2 Class Collars R.C.C.	each	150.00
1719	500 mm dia NP 2 Class Collars R.C.C.	each	175.00
1720	600 mm dia NP 2 Class Collars R.C.C.	each	250.00
1721	700 mm dia NP 2 Class Collars R.C.C.	each	275.00
1722	750 mm dia NP 2 Class Collars R.C.C.	each	300.00
1723	800 mm dia NP 2 Class Collars R.C.C.	each	325.00
1724	900 mm dia NP 2 Class Collars R.C.C.	each	350.00
1725	1000 mm dia NP 2 Class Collars R.C.C.	each	500.00

1727			1	1
1728 RCC pipe 450 mm dia NP-3 spigot metre 1290 1729 RCC pipe 600 mm dia NP-3 spigot metre 2640. 1731 RCC pipe 1000 mm dia NP-3 spigot metre 3080. 1732 RCC pipe 1200 mm dia NP-3 spigot metre 4798. 1733 RCC pipe 1800 mm dia NP-3 spigot metre 4890. 1734 RCC pipe 450 mm dia NP-4 spigot metre 1629. 1735 RCC pipe 600 mm dia NP-4 spigot metre 2170. 1736 RCC pipe 600 mm dia NP-4 spigot metre 2217. 1737 RCC pipe 1800 mm dia NP-4 spigot metre 5250. 1738 RCC pipe 1800 mm dia NP-4 spigot metre 5250. 1739 RCC pipe 1800 mm dia NP-4 spigot metre 1200. 1739 RCC pipe 1800 mm dia NP-4 spigot metre 1219. 1739 RCC pipe 1800 mm dia NP-4 spigot metre 1280. 1739 RCC pipe 1800 mm dia NP-4 spigot metre 1280. 1854 100 mm dia Stoneware pipes grade A (60 cm long) each 18	1726	1100 mm dia NP 2 Class Collars R.C.C.	each	550.00
1729 RCC pipe 600 mm dia NP-3 spigot metre 2640, 1731 RCC pipe 900 mm dia NP-3 spigot metre 2641, 1732 RCC pipe 1200 mm dia NP-3 spigot metre 4798, 1732 RCC pipe 1200 mm dia NP-3 spigot metre 8890, 1734 RCC pipe 1800 mm dia NP-3 spigot metre 8891, 1735 RCC pipe 450 mm dia NP-4 spigot metre 1629, 1735 RCC pipe 600 mm dia NP-4 spigot metre 2170, 1736 RCC pipe 900 mm dia NP-4 spigot metre 2173, 1737 RCC pipe 900 mm dia NP-4 spigot metre 2173, 1738 RCC pipe 1200 mm dia NP-4 spigot metre 5250, 1738 RCC pipe 1200 mm dia NP-4 spigot metre 5250, 1738 RCC pipe 1200 mm dia NP-4 spigot metre 6100, 1739 RCC pipe 1200 mm dia NP-4 spigot metre 6100, 1739 RCC pipe 1200 mm dia NP-4 spigot metre 6100, 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 83, 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167, 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 219, 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263, 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 307, 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 307, 1863 600x450x250 mm Kitchen Sink (Fire day) each 2500, 1864 750x450x250 mm Mable Chips kitchen sink each 2500, 1865 600x450x250 mm Mable Chips kitchen sink each 2500, 1867 750x450x250 mm Mable Chips kitchen sink each 2775, 1870 810x450x250 mm White vitreous china kitchen sink each 2775, 1871 450x300x150 mm White vitreous china kitchen sink each 2775, 1872 610x450x250 mm White vitreous china kitchen sink each 2775, 1873 810 mm dia Shower rose (C.P. brass hinges and rubber buffers each 470, 1876 810x450x250 mm White vitreous china kitchen sink each 2780, 1877 810x450x250 mm White vitreous china kitchen sink each 2780, 1878 150 mm dia Shower rose (C.P. brass) for 15	1727	1200 mm dia NP 2 Class Collars R.C.C.	each	600.00
1730 RCC pipe 900 mm dia NP-3 spigot metre 2640. 1731 RCC pipe 1200 mm dia NP-3 spigot metre 4798. 1732 RCC pipe 1200 mm dia NP-3 spigot metre 4798. 1733 RCC pipe 1800 mm dia NP-4 spigot metre 1629. 1734 RCC pipe 450 mm dia NP-4 spigot metre 2170. 1735 RCC pipe 650 mm dia NP-4 spigot metre 2173. 1736 RCC pipe 900 mm dia NP-4 spigot metre 4232. 1737 RCC pipe 1000 mm dia NP-4 spigot metre 4232. 1738 RCC pipe 1200 mm dia NP-4 spigot metre 5250. 1738 RCC pipe 1200 mm dia NP-4 spigot metre 6100. 1739 RCC pipe 1800 mm dia NP-4 spigot metre 12850. 1854 100 mm dia Stoneware pipes grade A (60 cm long) each 83. 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167. 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 219. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 307. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 329. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 329. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2250. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2250. 1865 600x450x250 mm Mable Chips kitchen sink each 263. 1866 600x450x250 mm Mable Chips kitchen sink each 2750. 1870 450x300x150 mm White vitreous china laboratory sink each 2775. 1870 450x300x150 mm White vitreous china laboratory sink each 2776. 1870 450x300x150 mm White vitreous china laboratory sink each 2776. 1870 810x450x250 mm White vitreous china laboratory sink each 2776. 1870 810x450x250 mm White vitreous china laboratory sink each 2776. 1870 810x450x250 mm White vitreous china laboratory sink each 2776. 1870 810x450x250 mm White vitreous china laboratory sink each 2776. 1870 810x450x250 mm White vitreous china laboratory sink each	1728	RCC pipe 450 mm dia NP-3 spigot	metre	1280.00
1731 RCC pipe 1000 mm dia NP-3 spigot metre 4798. 1732 RCC pipe 1200 mm dia NP-3 spigot metre 4798. 1734 RCC pipe 1800 mm dia NP-4 spigot metre 1629. 1735 RCC pipe 650 mm dia NP-4 spigot metre 1629. 1736 RCC pipe 650 mm dia NP-4 spigot metre 2170. 1736 RCC pipe 900 mm dia NP-4 spigot metre 4223. 1737 RCC pipe 1000 mm dia NP-4 spigot metre 5250. 1738 RCC pipe 1200 mm dia NP-4 spigot metre 5250. 1738 RCC pipe 1200 mm dia NP-4 spigot metre 6100. 1739 RCC pipe 1800 mm dia NP-4 spigot metre 6189. 1739 RCC pipe 1800 mm dia NP-4 spigot metre 6189. 1854 100 mm dia Stoneware pipes grade A (60 cm long) each 83. 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167. 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 219. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 263. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 263. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 250. 1861 600x450x250 mm Kitchen Sink (Fire clay) each 2500. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x250 mm Mable Chips kitchen sink each 2500. 1866 600x450x250 mm Mable Chips kitchen sink each 2775. 1869 450x300x150 mm White vitreous china kitchen sink each 2785. 1871 450x300x150 mm White vitreous china kitchen sink each 2785. 1872 600x450x250 mm White vitreous china kitchen sink each 2785. 1873 1874 450x300x150 mm White vitreous china kitchen sink each 2785. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 390. 1881 50 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 390. 1882 Strainer brass 40 mm dia 1.5 metre l	1729	RCC pipe 600 mm dia NP-3 spigot	metre	1600.00
1732 RCC pipe 1200 mm dia NP-3 spigot metre 4798. 1733 RCC pipe 450 mm dia NP-4 spigot metre 1629. 1734 RCC pipe 450 mm dia NP-4 spigot metre 1629. 1735 RCC pipe 900 mm dia NP-4 spigot metre 2170. 1736 RCC pipe 900 mm dia NP-4 spigot metre 4232. 1737 RCC pipe 1200 mm dia NP-4 spigot metre 5250. 1738 RCC pipe 1200 mm dia NP-4 spigot metre 6100. 1739 RCC pipe 1200 mm dia NP-4 spigot metre 12850. 1854 100 mm dia Stoneware pipes grade A (60 cm long) each 83. 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167. 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 219. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 263. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 263. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 263. 1863 600x450x250 mm Kitchen Sink (Fire day) each 2290. 1864 750x450x250 mm Kitchen Sink (Fire day) each 2290. 1865 600x450x250 mm Mable Chips kitchen sink each 2750. 1866 600x450x250 mm Mable Chips kitchen sink each 2775. 1869 450x300x150 mm White vitreous china kitchen sink each 1780. 1870 450x300x150 mm White vitreous china laboratory sink each 2740. 1871 450x300x150 mm White vitreous china laboratory sink each 2740. 1876 Biack plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1870 816k plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1870 816k plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1870 816k plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1870 816k plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1870	1730	RCC pipe 900 mm dia NP-3 spigot	metre	2640.00
1733 RCC pipe 1800 mm dia NP-4 spigot metre 1629 1734 RCC pipe 450 mm dia NP-4 spigot metre 1629 1735 RCC pipe 600 mm dia NP-4 spigot metre 2170 1736 RCC pipe 1000 mm dia NP-4 spigot metre 4232 1737 RCC pipe 1200 mm dia NP-4 spigot metre 5250 1738 RCC pipe 1800 mm dia NP-4 spigot metre 6100 1834 100 mm dia Stoneware pipes grade A (60 cm long) each 83 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 253 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 253 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 233 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 233 1863 600x450x250 mm Kitchen Sink (Fire clay) each 239 1864 750x450x250 mm Mable Chips kitchen sink each 2500 1866 600x450x250	1731	RCC pipe 1000 mm dia NP-3 spigot	metre	3080.00
1734 RCC pipe 450 mm dia NP-4 spigot metre 1629, 1735 RCC pipe 600 mm dia NP-4 spigot metre 2170, 1736 RCC pipe 900 mm dia NP-4 spigot metre 2270, 1737 RCC pipe 1000 mm dia NP-4 spigot metre 5250, 1738 RCC pipe 1200 mm dia NP-4 spigot metre 6100, 1739 RCC pipe 1200 mm dia NP-4 spigot metre 6100, 1739 RCC pipe 1800 mm dia NP-4 spigot metre 6100, 1739 RCC pipe 1800 mm dia NP-4 spigot metre 6100, 1739 RCC pipe 1800 mm dia NP-4 spigot metre 12850, 1854 100 mm dia Stoneware pipes grade A (60 cm long) each 627, 1855 250 mm dia Stoneware pipes grade A (60 cm long) each 219, 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263, 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 232, 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 329, 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2500, 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500, 1865 600x450x250 mm Mable Chips kitchen sink each each 275, 1866 600x450x250 mm Mable Chips kitchen sink each 275, 1869 450x300x150 mm White vitreous china kitchen sink each 2775, 1870 450x250 mm White vitreous china kitchen sink each 2740, 1871 450x300x150 mm White vitreous china laboratory sink each 2740, 1872 600x450x250 mm White vitreous china laboratory sink each 2740, 1878 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470, 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 330, 1881 Spun yarn kilogram 75, 1882 Strainer brass 40 mm dia 1.5 metre long each 660, 1885 15 mm C.P. brass 50 x20 mm together with a pair of each 650, 1886 C.P. brass 500 x20 mm together with a pair of each 650, 1887 Towel rail C.P. brass 500 x20 mm together with a pair of each 650, 1888 C.P. brass Toilet paper holder of standard size	1732	RCC pipe 1200 mm dia NP-3 spigot	metre	4798.00
1735 RCC pipe 600 mm dia NP-4 spigot metre 2170. 1736 RCC pipe 900 mm dia NP-4 spigot metre 4232. 1737 RCC pipe 1000 mm dia NP-4 spigot metre 5250. 1738 RCC pipe 1200 mm dia NP-4 spigot metre 5250. 1739 RCC pipe 1200 mm dia NP-4 spigot metre 12850. 1854 100 mm dia Stoneware pipes grade A (60 cm long) each 83. 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167. 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 219. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 263. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 263. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 229. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2290. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x250 mm Mable Chips kitchen sink each each each 860x450x250 mm Mable Chips kitchen sink each each 870x450x250 mm Mable Chips kitchen sink each each 2775. 1869 450x300x150 mm White vitreous china kitchen sink each 2775. 869 450x300x150 mm White vitreous china laboratory sink each 2740. each 2740. 870x450x250 mm White vitreous china laboratory sink each 2740. 870x450x250 mm White vitreous china laboratory sink each 2740. 870x450x250 mm White vitreous china laboratory sink each 2740. 870x450x250 mm White vitreous china laboratory sink each 2740. 870x450x250 mm White vitreous china laboratory sink each 2740. 870x450x250 mm White vitreous china laboratory sink each 2740. 870x450x250 mm White vitreous china laboratory sink each 2740. 870x450x250 mm White vitreous china laboratory sink each 2740. 870x450x250 mm White vitreous china laboratory sink each 2740. 870x450x250 mm White vitreous china laboratory sink each 2740. 870x450x250 mm White vitreous china	1733	RCC pipe 1800 mm dia NP-3 spigot	metre	8890.00
1736 RCC pipe 900 mm dia NP-4 spigot metre 4232. 1737 RCC pipe 1000 mm dia NP-4 spigot metre 5250. 1738 RCC pipe 1200 mm dia NP-4 spigot metre 6100. 1854 100 mm dia Stoneware pipes grade A (60 cm long) each 83. 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167. 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 219. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 307. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 329. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2193. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x250 mm Mable Chips kitchen sink each 2500. 1866 600x450x250 mm Mable Chips kitchen sink each 2775. 1867 750x450x250 mm White vitreous china kitchen sink each 1550.	1734	RCC pipe 450 mm dia NP-4 spigot	metre	1629.00
1737 RCC pipe 1000 mm dia NP-4 spigot metre 5250. 1738 RCC pipe 1200 mm dia NP-4 spigot metre 6100. 1739 RCC pipe 1800 mm dia NP-4 spigot metre 12850. 1854 100 mm dia Stoneware pipes grade A (60 cm long) each 83. 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167. 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 263. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 307. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 329. 1863 600×450×250 mm Kitchen Sink (Fire clay) each 229. 1864 750×450×250 mm Kitchen Sink (Fire clay) each 2500. 1865 600×450×250 mm Mable Chips kitchen sink each 260. 1866 600×450×250 mm Mable Chips kitchen sink each 275. 1867 750×450×250 mm Mable Chips kitchen sink each 275. 1868 600×450×250 mm Mibit with with with mable chips kitchen sink each 275.	1735	RCC pipe 600 mm dia NP-4 spigot	metre	2170.00
1738 RCC pipe 1200 mm dia NP-4 spigot metre 6100. 1739 RCC pipe 1800 mm dia NP-4 spigot metre 12850. 1854 100 mm dia Stoneware pipes grade A (60 cm long) each 83. 1856 150 mm dia Stoneware pipes grade A (60 cm long) each 219. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 307. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 329. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2500. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x150 mm Mable Chips kitchen sink each 2500. 1866 600x450x250 mm Mable Chips kitchen sink each 2775. 1867 750x450x250 mm White vitreous china kitchen sink each 2775. 1869 450x300x150 mm White vitreous china laboratory sink each 1780. 1871 450x300x150 mm White vitreous china laboratory sink each 2740. </td <td>1736</td> <td>RCC pipe 900 mm dia NP-4 spigot</td> <td>metre</td> <td>4232.00</td>	1736	RCC pipe 900 mm dia NP-4 spigot	metre	4232.00
1739 RCC pipe 1800 mm dia NP-4 spigot metre 12850. 1854 100 mm dia Stoneware pipes grade A (60 cm long) each 83. 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167. 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 219. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 307. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 329. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2500. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x150 mm Mable Chips kitchen sink each each each 1866 600x450x250 mm Mable Chips kitchen sink each each each 450x300x150 mm White vitreous china kitchen sink each each 1550. 1871 450x300x150 mm White vitreous china laboratory sink each 1780. each 1780. 1872 600x450x200 mm White vitreous china laboratory sink each 1780. each 1780. 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 400. 1878 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 390. 1880 Dismenteled P or S trap scrap (approx wt 2kg) kg 30. 1881 Spun yarn kilogram 75. 1882 Strainer brass 40 mm dia 1.5 metre long each 410. 1888 Towel rail C.P. brass 750 x20 mm together with a pair of each 450. 1889 C.P. brass 750 x20 mm together with a pair of each 650. 1889 C.P. brass Tollet paper holder of standard size each 540. 1890 Centrifugally SCI(spun) S & S P or S trap each 540. 1891 C.P. brass Tollet paper holder of standard size each 540. 1891 C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass 50 mm dia 210. 1891 C.I. trap for standard urinal with vent arm with operating and other each 210. 1800 C.I. trap for standard urinal with vent arm with operating and other	1737	RCC pipe 1000 mm dia NP-4 spigot	metre	5250.00
1854 100 mm dia Stoneware pipes grade A (60 cm long) each 83. 1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167. 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 219. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 307. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 250. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x250 mm Mable Chips kitchen sink each 2500. 1866 600x450x250 mm Mable Chips kitchen sink each 270. 1867 750x450x250 mm White vitreous china kitchen sink each 2775. 1868 600x450x250 mm White vitreous china laboratory sink each 1780. 1871 450x300x150 mm White vitreous china laboratory sink each 2740. 1872 600x450x200 mm White vitreous china laboratory sink each 2740. 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber	1738	RCC pipe 1200 mm dia NP-4 spigot	metre	6100.00
1855 150 mm dia Stoneware pipes grade A (60 cm long) each 167. 1856 200 mm dia Stoneware pipes grade A (60 cm long) each 219. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 307. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 329. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2500. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x250 mm Mable Chips kitchen sink each 2600. 1866 600x450x250 mm Mable Chips kitchen sink each 2775. 1867 750x450x250 mm White vitreous china kitchen sink each 2775. 1868 600x450x250 mm White vitreous china laboratory sink each 2775. 1871 450x300x150 mm White vitreous china laboratory sink each 1780. 1872 600x450x200 mm White vitreous china laboratory sink each 2740. 1873 White plastic seat (solid) with lid C.P. brass hinges and rubb	1739	RCC pipe 1800 mm dia NP-4 spigot	metre	12850.00
1856 200 mm dia Stoneware pipes grade A (60 cm long) each 219. 1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 307. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 2193. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2193. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x250 mm Mable Chips kitchen sink each 2500. 1866 600x450x250 mm Mable Chips kitchen sink each 2775. 1867 750x450x250 mm White vitreous china kitchen sink each 2775. 1868 600x450x250 mm White vitreous china kitchen sink each 1550. 1879 450x300x150 mm White vitreous china laboratory sink each 1780. 1871 450x300x150 mm White vitreous china laboratory sink each 2740. 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P	1854	100 mm dia Stoneware pipes grade A (60 cm long)	each	83.00
1857 230 mm dia Stoneware pipes grade A (60 cm long) each 263. 1858 250 mm dia Stoneware pipes grade A (60 cm long) each 307. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 329. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2500. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x150 mm Mable Chips kitchen sink each 2500. 1866 600x450x250 mm Mable Chips kitchen sink each each 1867 750x450x250 mm White vitreous china kitchen sink each 2775. 1868 600x450x250 mm White vitreous china kitchen sink each 1550. 1871 450x300x150 mm White vitreous china laboratory sink each 1780. 1872 600x450x200 mm White vitreous china laboratory sink each 2740. 1873 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 2740. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1879 150 mm dia Show	1855	150 mm dia Stoneware pipes grade A (60 cm long)	each	167.00
1858 250 mm dia Stoneware pipes grade A (60 cm long) each 307. 1859 300 mm dia Stoneware pipes grade A (60 cm long) each 329. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x250 mm Mable Chips kitchen sink each each 1866 600x450x250 mm Mable Chips kitchen sink each each 1867 750x450x250 mm Mable Chips kitchen sink each each 1868 600x450x250 mm White vitreous china kitchen sink each each 1869 450x300x150 mm White vitreous china laboratory sink each 1550. 1871 450x300x150 mm White vitreous china laboratory sink each 2740. 1872 600x450x200 mm White vitreous china laboratory sink each 2740. 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 490. 1878 100 mm dia Shower rose	1856	200 mm dia Stoneware pipes grade A (60 cm long)	each	219.00
1859 300 mm dia Stoneware pipes grade A (60 cm long) each 329. 1863 600x450x250 mm Kitchen Sink (Fire clay) each 2193. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x150 mm Mable Chips kitchen sink each each 1866 600x450x250 mm Mable Chips kitchen sink each each 1867 750x450x250 mm Mable Chips kitchen sink each each 1868 600x450x250 mm White vitreous china kitchen sink each 2775. 1869 450x300x150 mm White vitreous china laboratory sink each 1780. 1871 450x300x150 mm White vitreous china laboratory sink each 2740. 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1878 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 390. 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 520. 1880 Disment	1857	230 mm dia Stoneware pipes grade A (60 cm long)	each	263.00
1863 600x450x250 mm Kitchen Sink (Fire clay) each 2193. 1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x250 mm Mable Chips kitchen sink each 1866 600x450x250 mm Mable Chips kitchen sink each 1867 750x450x250 mm Mable Chips kitchen sink each 1868 600x450x250 mm White vitreous china kitchen sink each 2775. 1869 450x300x150 mm White vitreous china kitchen sink each 1550. 1871 450x300x150 mm White vitreous china laboratory sink each 1780. 1872 600x450x200 mm White vitreous china laboratory sink each 2740. 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P.	1858	250 mm dia Stoneware pipes grade A (60 cm long)	each	307.00
1864 750x450x250 mm Kitchen Sink (Fire clay) each 2500. 1865 600x450x150 mm Mable Chips kitchen sink each 1866 600x450x250 mm Mable Chips kitchen sink each 1867 750x450x250 mm Mable Chips kitchen sink each 1868 600x450x250 mm White vitreous china kitchen sink each 1869 450x300x150 mm White vitreous china laboratory sink each 1780. 1871 450x300x150 mm White vitreous china laboratory sink each 2740. 1872 600x450x200 mm White vitreous china laboratory sink each 2740. 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1877 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 390. 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 520. 18	1859	300 mm dia Stoneware pipes grade A (60 cm long)	each	329.00
1865 600x450x150 mm Mable Chips kitchen sink each 1866 600x450x250 mm Mable Chips kitchen sink each 1867 750x450x250 mm Mable Chips kitchen sink each 1868 600x450x250 mm White vitreous china kitchen sink each 2775. 1869 450x300x150 mm White vitreous china laboratory sink each 1780. 1871 450x300x150 mm White vitreous china laboratory sink each 2740. 1872 600x450x200 mm White vitreous china laboratory sink each 2740. 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 490. 1877 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 390. 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each <td>1863</td> <td>600x450x250 mm Kitchen Sink (Fire clay)</td> <td>each</td> <td>2193.00</td>	1863	600x450x250 mm Kitchen Sink (Fire clay)	each	2193.00
1866 600x450x250 mm Mable Chips kitchen sink 1867 750x450x250 mm Mable Chips kitchen sink 1868 600x450x250 mm White vitreous china kitchen sink 1869 450x300x150 mm White vitreous china kitchen sink 1871 450x300x150 mm White vitreous china laboratory sink 1872 600x450x200 mm White vitreous china laboratory sink 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers 1878 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 1880 Dismenteled P or S trap scrap (approx wt 2kg) 1881 Spun yarn 1882 Strainer brass 40 mm dia 1.5 metre long 1885 15 mm C.P. brass tap 1886 Towel rail C.P. brass 750 x20 mm together with a pair of 1887 C.P. brass brackets to fit the size of towel rail 1888 C.P. brass Toilet paper holder of standard size 1889 Centrifugally SCI(spun) S & S P or S trap 1891 C.I. trap for standard urinal with vent arm with operating and other 1891 C.P. brass: 50 mm dia 1892 C.P. brass: 50 mm dia 1893 C.P. brass: 50 mm dia	1864	750x450x250 mm Kitchen Sink (Fire clay)	each	2500.00
1867750x450x250 mm Mable Chips kitchen sinkeach1868600x450x250 mm White vitreous china kitchen sinkeach2775.1869450x300x150 mm White vitreous china kitchen sinkeach1550.1871450x300x150 mm White vitreous china laboratory sinkeach1780.1872600x450x200 mm White vitreous china laboratory sinkeach2740.1875White plastic seat (solid) with lid C.P. brass hinges and rubber bufferseach470.1876Black plastic seat (solid) with lid C.P. brass hinges and rubber bufferseach400.1878100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inleteach390.1879150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inleteach520.1880Dismenteled P or S trap scrap (approx wt 2kg)kg30.1881Spun yarnkilogram75.1882Strainer brass 40 mm dia 1.5 metre longeach660.188515 mm C.P. brass 750 x20 mm together with a pair of C.P. brass brackets to fit the size of towel raileach950.1888Towel rail C.P. brass 600 x20 mm together with a pair of C.P. brass brackets to fit the size of towel raileach650.1889C.P. brass Toilet paper holder of standard sizeeach540.1890Centrifugally SCI(spun) S & S P or S trapeach330.1891C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm diaeach210.	1865	600x450x150 mm Mable Chips kitchen sink	each	NA
1868 600x450x250 mm White vitreous china kitchen sink each 450x300x150 mm White vitreous china kitchen sink each 1550. 1871 450x300x150 mm White vitreous china laboratory sink each 1780. 1872 600x450x200 mm White vitreous china laboratory sink each 2740. 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 400. 1878 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 390. 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 520. 1880 Dismenteled P or S trap scrap (approx wt 2kg) kg 30. 1881 Spun yarn kilogram 75. 1882 Strainer brass 40 mm dia 1.5 metre long each 660. 1885 15 mm C.P. brass tap each 410. 1887 Towel rail C.P. brass 750 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 1888 Towel rail C.P. brass 600 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 1889 C.P. brass Toilet paper holder of standard size each 540. 1890 Centrifugally SCI(spun) S & S P or S trap each 330. 1891 C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	1866	600x450x250 mm Mable Chips kitchen sink	each	NA
1869 450x300x150 mm White vitreous china kitchen sink each 1550. 1871 450x300x150 mm White vitreous china laboratory sink each 1780. 1872 600x450x200 mm White vitreous china laboratory sink each 2740. 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 470. 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers each 400. 1878 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 390. 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet each 520. 1880 Dismenteled P or S trap scrap (approx wt 2kg) kg 30. 1881 Spun yarn kilogram 75. 1882 Strainer brass 40 mm dia 1.5 metre long each 660. 1885 15 mm C.P. brass tap each 410. 1887 Towel rail C.P. brass 750 x20 mm together with a pair of c.P. brass brackets to fit the size of towel rail 1888 Towel rail C.P. brass 600 x20 mm together with a pair of c.P. brass brackets to fit the size of towel rail 1889 C.P. brass Toilet paper holder of standard size each 540. 1890 Centrifugally SCI(spun) S & S P or S trap each 330. 1891 C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	1867	750x450x250 mm Mable Chips kitchen sink	each	NA
1871 450x300x150 mm White vitreous china laboratory sink 1872 600x450x200 mm White vitreous china laboratory sink 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers 1878 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 1880 Dismenteled P or S trap scrap (approx wt 2kg) 1881 Spun yarn 1882 Strainer brass 40 mm dia 1.5 metre long 1885 15 mm C.P. brass tap 1886 Towel rail C.P. brass 750 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 1888 Towel rail C.P. brass 600 x20 mm together with a pair of C.P. brass Toilet paper holder of standard size 1890 Centrifugally SCI(spun) S & S P or S trap 1891 C.I. trap for standard urinal with vent arm with operating and other 1900 couplings in C.P. brass: 50 mm dia	1868	600x450x250 mm White vitreous china kitchen sink	each	2775.00
1872 600x450x200 mm White vitreous china laboratory sink 1875 White plastic seat (solid) with lid C.P. brass hinges and rubber buffers 1876 Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers 1878 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 1880 Dismenteled P or S trap scrap (approx wt 2kg) 1881 Spun yarn 1882 Strainer brass 40 mm dia 1.5 metre long 1885 15 mm C.P. brass tap 1887 Towel rail C.P. brass 750 x20 mm together with a pair of 1888 Towel rail C.P. brass 600 x20 mm together with a pair of 1889 C.P. brass Toilet paper holder of standard size 1890 Centrifugally SCI(spun) S & S P or S trap 1891 C.I. trap for standard urinal with vent arm with operating and other 1891 couplings in C.P. brass: 50 mm dia	1869	450x300x150 mm White vitreous china kitchen sink	each	1550.00
White plastic seat (solid) with lid C.P. brass hinges and rubber buffers Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass 40 mm dia 1.5 metre long 150 mm dia 1.5 metre long 160 each 170 e	1871	450x300x150 mm White vitreous china laboratory sink	each	1780.00
Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 1880 Dismenteled P or S trap scrap (approx wt 2kg) 1881 Spun yarn 1882 Strainer brass 40 mm dia 1.5 metre long 1883 Each 1884 Towel rail C.P. brass 750 x20 mm together with a pair of 1886 C.P. brass brackets to fit the size of towel rail 1888 Towel rail C.P. brass 600 x20 mm together with a pair of 1889 C.P. brass Toilet paper holder of standard size 1890 Centrifugally SCI(spun) S & S P or S trap 1891 C.I. trap for standard urinal with vent arm with operating and other 1891 C.P. brass: 50 mm dia	1872	600x450x200 mm White vitreous china laboratory sink	each	2740.00
1878 100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 1880 Dismenteled P or S trap scrap (approx wt 2kg) 1881 Spun yarn 1882 Strainer brass 40 mm dia 1.5 metre long 1885 15 mm C.P. brass tap 1887 Towel rail C.P. brass 750 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 1888 Towel rail C.P. brass 600 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 1889 C.P. brass Toilet paper holder of standard size 1890 Centrifugally SCI(spun) S & S P or S trap 1891 C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	1875	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	470.00
1879 150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet 1880 Dismenteled P or S trap scrap (approx wt 2kg) 1881 Spun yarn 1882 Strainer brass 40 mm dia 1.5 metre long 1885 15 mm C.P. brass tap 1887 Towel rail C.P. brass 750 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 1888 Towel rail C.P. brass 600 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 1889 C.P. brass Toilet paper holder of standard size 1890 Centrifugally SCI(spun) S & S P or S trap C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	1876	Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	400.00
Dismenteled P or S trap scrap (approx wt 2kg) Spun yarn Spun yarn kilogram 75. Strainer brass 40 mm dia 1.5 metre long each 660. 1885 15 mm C.P. brass tap 1887 Towel rail C.P. brass 750 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 1888 Towel rail C.P. brass 600 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 1889 C.P. brass Toilet paper holder of standard size 1890 Centrifugally SCI(spun) S & S P or S trap C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	1878	100 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet	each	390.00
Spun yarn kilogram 75. 1882 Strainer brass 40 mm dia 1.5 metre long each 660. 1885 15 mm C.P. brass tap each 950. C.P. brass brackets to fit the size of towel rail 1888 Towel rail C.P. brass 600 x20 mm together with a pair of each 650. C.P. brass brackets to fit the size of towel rail 1889 C.P. brass Toilet paper holder of standard size each 540. 1890 Centrifugally SCI(spun) S & S P or S trap each 330. 1891 C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia each 210.	1879	150 mm dia Shower rose (C.P. brass) for 15 to 20 mm inlet	each	520.00
Strainer brass 40 mm dia 1.5 metre long 15 mm C.P. brass tap 160. 187 Towel rail C.P. brass 750 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 188 Towel rail C.P. brass 600 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail 188 C.P. brass brackets to fit the size of towel rail 189 C.P. brass Toilet paper holder of standard size 1890 Centrifugally SCI(spun) S & S P or S trap 1891 C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	1880	Dismenteled P or S trap scrap (approx wt 2kg)	kg	30.00
1885	1881	Spun yarn	kilogram	75.00
Towel rail C.P. brass 750 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail Towel rail C.P. brass 600 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail C.P. brass Toilet paper holder of standard size Centrifugally SCI(spun) S & S P or S trap C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	1882	Strainer brass 40 mm dia 1.5 metre long	each	660.00
C.P. brass brackets to fit the size of towel rail Towel rail C.P. brass 600 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail C.P. brass Toilet paper holder of standard size Centrifugally SCI(spun) S & S P or S trap C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia C.P. brass brackets to fit the size of towel rail each 650. 640. 650.	1885	15 mm C.P. brass tap	each	410.00
Towel rail C.P. brass 600 x20 mm together with a pair of C.P. brass brackets to fit the size of towel rail C.P. brass Toilet paper holder of standard size Centrifugally SCI(spun) S & S P or S trap C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia ceach 650. 640. 650. 640. 650. 650. 640. 650. 650. 640. 650. 650. 640. 650. 650. 650. 640. 650. 650. 640. 650. 650. 640. 650. 640. 650. 650. 650. 650. 650. 650. 650. 650. 640. 650. 650. 650. 650. 650. 650. 650. 650. 650. 650. 6650.	1887	Towel rail C.P. brass 750 x20 mm together with a pair of	each	950.00
C.P. brass brackets to fit the size of towel rail 1889 C.P. brass Toilet paper holder of standard size each 540. 1890 Centrifugally SCI(spun) S & S P or S trap each 330. 1891 C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia each 210.		C.P. brass brackets to fit the size of towel rail		
C.P. brass Toilet paper holder of standard size Centrifugally SCI(spun) S & S P or S trap C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia cup lines Toilet paper holder of standard size each 330.	1888	Towel rail C.P. brass 600 x20 mm together with a pair of	each	650.00
1890 Centrifugally SCI(spun) S & S P or S trap 1891 C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia 210.		C.P. brass brackets to fit the size of towel rail		
1891 C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia each 210.	1889	C.P. brass Toilet paper holder of standard size	each	540.00
couplings in C.P. brass: 50 mm dia each 210.	1890	Centrifugally SCI(spun) S & S P or S trap	each	330.00
	1891	C.I. trap for standard urinal with vent arm with operating and other		
1892 65 mm dia each		couplings in C.P. brass: 50 mm dia	each	210.00
	1892	65 mm dia	each	NA

1893	C.I. trap for standard urinal with vent arm with operating and other		
	couplings in C.P. brass: 80 mm dia	each	345.00
1894	C.P. brass 32 mm dia Trap	each	335.00
1895	C.P. brass 40 mm dia Trap	each	390.00
	Trap (Sand Cast Iron)		
1896	100 mm S.C.I. trap with vent heel	each	335.00
1897	100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet	each	305.00
1898	100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet	each	225.00
1899	100 mm S.C.I. trap with 100 mm inlet and 50 mm outlet	each	NA
1900	100 x 100 mm S.W. Gully Traps P Type	each	115.00
1901	125 x 100 mm S.W. Gully Traps P Type	each	145.00
1902	150 x 100 mm S.W. Gully Traps P Type	each	230.00
1903	180 x 100 mm S.W. Gully Traps P Type	each	NA
1904	180 x 150 mm S.W. Gully Traps P Type	each	240.00
1905	125 x 100 mm S.W. Gully Traps Q Type	each	NA
1906	125 x 100 mm S.W. Gully Traps S Type	each	NA
1913	Vitreous china lipped front urinal	each	530.00
1915	Vitreous china squatting plate urinal	each	1460.00
1922	H.P. or L.P. ball valve with polythene floats: 15 mm dia	each	285.00
1923	H.P. or LP ball valve with polythene floats 20mm dia	each	325.00
1924	H.P. or LP ball valve with polythene floats 25mm dia	each	345.00
1926	20 mm dia Gunmetal gate valve with wheel	each	360.00
1927	25 mm dia Brass full way valve with C.I. wheel (screwed end)	each	490.00
1928	32 mm dia Brass full way valve with C.I. wheel (screwed end)	each	530.00
1929	40 mm dia Brass full way valve with C.I. wheel (screwed end)	each	590.00
1930	50 mm dia Brass full way valve with C.I. wheel (screwed end)	each	700.00
1931	65 mm dia Brass full way valve with C.I. wheel (screwed end)	each	1190.00
1932	80 mm dia Brass full way valve with C.I. wheel (screwed end)	each	1900.00
1933	25 mm dia Gun metal non-return valve-horizontal (screwed end)	each	410.00
1934	32 mm dia Gun metal non-return valve-horizontal (screwed end)	each	535.00
1935	40 mm dia Gun metal non-return valve-horizontal (screwed end)	each	680.00
1936	50 mm dia Gun metal non-return valve-horizontal (screwed end)	each	1080.00
1937	65 mm dia Gun metal non-return valve-horizontal (screwed end)	each	1700.00
1938	80 mm dia Gun metal non-return valve-horizontal (screwed end)	each	2550.00
1939	80 mm dia Sluice valve (with Caps) C.I. of Class I	each	NA
1940	100 mm dia Sluice valve (with Caps) C.I. of Class I	each	2450.00
1941	125 mm dia Sluice valve (with Caps) C.I. of Class I	each	2610.00
1942	150 mm dia Sluice valve (with Caps) C.I. of Class I	each	3650.00
1943	200 mm dia Sluice valve (with Caps) C.I. of Class I	each	7600.00
1944	250 mm dia Sluice valve (with Caps) C.I. of Class I	each	10980.00
1945	300 mm dia Sluice valve (with Caps) C.I. of Class I	each	15500.00
1947	630 x 450 mm Flat back wash basin - Vitreous China	each	1020.00
1949	600 x 480 mm Angle back wash basin - Vitreous China	each	795.00
1950	400 x 400 mm Angle back wash basin - Vitreous China	each	635.00
1951	C.P. brass waste 32 mm	each	165.00
1952	C.P. brass waste 40 mm	each	185.00
1953	Vitreous China Indian type w.c. pan size 580 mm	each	760.00

1954	Vitreous China orissa type w.c. pan size 580 mm	each	1040.00
1955	Vitreous China pedestal type water closet	each	1009.00
1956	Bolts and Nuts of size 16 mm dia. 60 mm long	each	11.00
1957	Bolts and Nuts of size 16 mm dia. 65 mm long	each	12.00
1958	Bolts and Nuts of size 20 mm dia. 65 mm long	each	15.00
1959	Bolts and Nuts of size 20 mm dia. 70 mm long	each	18.00
1960	Bolts and Nuts of size 20 mm dia. 75 mm long	each	19.00
1961	Bolts and Nuts of size 20 mm dia. 80 mm long	each	19.00
1962	Bolts and Nuts of size 24 mm dia. 85 mm long	each	29.00
1963	Bolts and Nuts of size 24 mm dia. 90 mm long	each	33.00
1964	Bolts and Nuts of size 27 mm dia. 100 mm long	each	39.00
1965	White vitreous China dual purpose closet (Anglo India W.C.)	each	2800.00
	suitable for use as squatting pan or European type water		
	closet as per maunfacturer's specification		
1966	Floor mounted white vitrous china double trap syphonic WC with		
	10 litre cistern and all fittings & fixtures,seat cover etc	each	13945.00
1969	Rubber plug	each	10.00
1970	Foot rests for Vitreous china 250x125x25 mm	pair	155.00
1980	Fly Ash	cum	NA
1984	Common burnt clay F.P.S. bricks tile class designation 10	thousand	9000.00
1986	Common burnt clay modular bricks class designation 12.5	thousand	NA
1989	F.P.S. brick tiles class designation 7.5	thousand	NA
1992	F.P.S. over burnt bricks	thousand	2950.00
2391	Strips-Aluminium fluted 3.15 mm thick and 150 mm wide	metre	290.00
2392	Strips-Aluminium fluted 3.15 mm thick and 200 mm wide	metre	398.00
2393	1 mm thick stainless steel cover plate grade 304	kg	290.00
2394	Coupler 16 mm dia	each	33.00
2395	Coupler 20 mm dia	each	43.00
2396	Coupler 25 mm dia	each	74.00
2397	Coupler 28 mm dia	each	85.00
2398	Coupler 32 mm dia	each	116.00
2399	Complete Roof Joint of 100 mm	metre	2900.00
2400	Complete Roof Joint of 150 mm	metre	3200.00
2401	Complete Roof Joint of 200 mm	metre	4000.00
2402	Epoxy adhesive	kg	410.00
2403	Floor Joint of 100 mm	metre	3100.00
2404	Floor Joint of 150 mm	metre	4000.00
2405	Floor Joint of 200 mm	metre	5400.00
2406	Float glass panes of nominal thickness 4 mm (weight not less than	sqm	355.00
	10 kg/sqm)		
2407	Float glass panes of nominal thickness 5 mm (weight not less than	sqm	450.00
	12.50 kg/sqm)		
2408	Float glass panes of nominal thickness 8 mm (weight not less than		
	20.00 kg/sqm)	sqm	710.00
2409	Wall Joint of 100 mm	metre	2485.00
2410	Wall Joint of 150 mm	metre	2890.00
2411	Wall Joint of 200 mm	metre	3470.00

2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	345.00
2413	12mm commercial ply	sqm	515.00
2413.1	9 mm commercial ply	sqm	362.00
2414	18mm thick block board with commercial ply veneering on both side	sqm	855.00
2415	21mm thick clear toughened Laminated glass for fins with holes	sqm	7747.00
2428	25 mm thick veneered partical board conforming to IS:3087	sqm	NA
	with teak board lipping of 25mm wide X 12 mm thick		
2447	Hollock ballies 125 mm diameter	metre	35.00
2449	Oxidised mild steel pull bolt lock (locking bolt) of size 85 mm x	each	64.50
	42 mm with screws, bolts, nuts and washers complete		
2451	Brass 40 mm size Cupboard lock 6 levers (of approved quality)	each	170.00
2452	Brass 50 mm size Cupboard lock 6 levers (of approved quality)	each	180.00
2453	Brass 65 mm size Cupboard lock 6 levers (of approved quality)	each	220.00
2454	Brass 75 mm size Cupboard lock 6 levers (of approved quality)	each	235.00
2455	Brass hanging type door stopper 150 mm	each	103.00
2456	Hydraulic door closer bottle type M.S body.	each	1135.00
	with necessary accessories and screws compete		
2459	Anodised aluminium hanging type door stopper	each	35.00
2464	Anodised Aluminium pull bolt lock (locking bolt) of size 85 mm x	each	52.00
	42 mm with screws, bolts, nuts and washers complete		
2465	Anodised aluminium casement stay 250mm	each	35.00
2466	hollock wood in scantling	cum	35700.00
2467	Chromium plated Brass pull bolt lock (locking bolt) of size 85 mm x	each	190.00
	42 mm with screws, bolts, nuts and washers complete		
2468	Nickled Chromium Brass cupboard lock 40 mm size	each	155.00
2469	Nickled Chromium Brass cupboard lock 50 mm size	each	176.00
2470	Nickled Chromium Brass cupboard lock 65 mm size	each	207.00
2471	Nickled Chromium Brass cupboard lock 75 mm size	each	227.00
2480	Ply wood 5 ply with teak ply on both faces 9mm thick	sqm	930.00
2481	Ply wood 5 ply with teak ply on one face and comercial ply	sqm	910.00
	on another face 9 mm thick	'	
2483	Ply wood 7 ply with teak ply on one face and comercial ply	sqm	1000.00
	on another face 9 mm thick		
2484	Pre-laminated with decorative lamination on both side exterior	sqm	710.00
	Grade - I MDF Board 12 mm thick confirming to IS:14587	34	
2485	Pre-laminated with decorative lamination on both side exterior	sqm	980.00
2.03	Grade - I MDF Board 18 mm thick confirming to IS:14587	Jan	300.00
2486	Pre-laminated with decorative lamination one side and other side	sqm	1280.00
2.00	balancing lamination exterior Grade - I MDF Board 25 mm thick	Jan	1200.00
	confirming to IS:14587		
2487	Pre-laminated with decorative lamination one side and other side	sqm	600.00
2.07	balancing lamination exterior Grade - I MDF Board 12 mm thick	34111	300.00
	confirming to IS:14587		
2400	Pre-laminated with decorative lamination one side and other side	cam	700.00
2488		sqm	700.00
	balancing lamination exterior Grade - I MDF Board 18 mm thick		
2490	confirming to IS:14587	motro	27.00
2489	PVC edge bending tape 2.00 mm thick	metre	37.00

2491	Pre laminated both side solid foam uPVC profile (45x20mm)	metre	165.00
2492	Solid foam uPVC sheet 20mm thick pre laminated on both side	sqm	2266.00
2493	PVC edge beading metre	metre	36.00
2494	Expandable fastner with plastic sleeve	each	6.00
2500	Extra for selected planks of second class deodar wood	cum	12000.00
2504	Kiln seasoning of timber	cum	750.00
2505	Hollock wood in planks	cum	39000.00
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	320.00
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	340.00
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 10mm x 120 mm	10 nos	435.00
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	550.00
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.	690.00
2602	Common burnt clay F.P.S. (non modular) brick class designation7.5	1000 nos.	6943.00
2603	Bricks (F.P.S.) Class designation 5.0 (common burnt clay non modular)	1000 nos.	NA
2604	Weather/structural non sag elastomeric PU sealant (600ml Sausage)		
	for joints in RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum/ Alluminium		
	work complying to ASTM C920, DIN 18540-F & ISO 11600 incl all taxes	each	532.00
2605	Structural sealant - 6 mm x 12 mm	metre	36.00
2606	Spacer tape 6.4 mm thick x 6 mm wide	metre	22.00
2607	Weather Sealant - Non Staining (600 ml)	each	390.00
2608	Weather Sealant - Normal (300 ml)	each	115.00
2609	MS Brackets/Aluminium Alloy Brackets	kg	108.00
2610	Silicon Gasket in Kg (Above 50 g / m)	kg	490.00
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	170.00
2612	Anchor Fastner - M10	each	11.00
2613	SS Bolt with washer of different sizes for structural glazing / ACP Cladding	each	41.00
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	4.00
2615	Protective Tape	metre	27.00
2616	GI flashing - 1.2 mm Thick	kg	65.00
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	130.00
2626	Glass wool of denisity @ 48 Kg / cum with black glass tis	ssue (BGT)	sqm	278.00
2627	SS Screws - # 8 x 19		each	8.00
2628	Weather Sealant - DC 789		cartridge	165.00
2629	Cement Board		sqm	346.00
2630	Baker rod		metre	7.00
2631	4 mm thick ACP		sqm	1290.00
2632	Fire Stop		metre	480.00
2634	GI/Aluminium Sheet (0.8 mm thick)		kg	65.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement	fibre board to		
	C section		each	4.00
2636	GI Screws of gauge 10, length 45 mm for fixing cement	fibre board to		
	C section		each	4.00
2637	Vapour barrier		sqm	175.00
2640	Glass panes of required thickness having 120 minutes of	f fire		
	resistance both integrity and radiation control (EI 120) a			
	20 minutes of insulation (EI 20)		sqm	25000.00
2641	G.I U beading of 1.6 mm thick G.I sheet with ceramic ta	ne	metre	268.00
2642	Ceramic tape 5 x20 mm size	pc.	metre	435.00
2701	Chequered terrazo tiles 30 mm thick (light shade)		sqm	455.00 NA
2701	Chequered terrazo tiles 30 mm thick (medium shade)		'	NA NA
2702	Chequered terrazo tiles 30 mm thick (dark shade)		sqm	NA NA
2703	Aluminim strip 40 mm wide and 2 mm thick		sqm	
	'		kilogram	274.00
2705	Glass strips 25 mm wide and 4 mm thick		metre	14.00
2706	Glass strips 50 mm wide and 4 mm thick		metre	30.00
2707	Glass strips 78 mm wide and 4 mm thick		metre	43.00
2708	Truf Paver (500x500 x40 mm)		Sqm	500.00
2709	Ceremic tiles pieces for crazy flooring		quintal	150.00
2710	White marble makrana second quality plain veined stone	e pieces	quintal	614.00
	for crazy flooring			
2711	Polyvinyl chloride sheet 1.5 mm thick		sqm	NA
2711 A	FS800H Grade Flooring Panel (Size 600 mm x600 mm x	(32 mm)	each	740.00
2712	Zinc Electroplated Pedestals - 300 mm		each	152.00
2713	Zinc Electroplated Pedestals - 450 mm		each	220.00
2714	Zinc Electroplated Tube Stinger		each	70.00
2715	Machine Screw for Fixing		each	2.50
2717	Polyvinyl chloride tiles 1.5 mm thick		sqm	500.00
2718	Polyvinyl chloride tiles 2.0 mm thick		sqm	500.00
2723	Adhesive (rubber case)		Kg.	237.00
2744	Aluminium strip 38 mm wide & 1.6 mm thick		kilogram	225.00
2750	8 mm thick granite stone tiles (mirror polished of all sha	ides)	sqm	800.00
2751	8 mm thick marble tiles (polished) Raj Nagar		sqm	400.00
2752	18 to 20mm (average) thick Doongri-Adanga		sqm	500.00
	marble tiles (polished)			
2901	Stone aggregate (Single Size) 100 mm nominal size	(A) Crushed	cum	900.00
		(B) Nallah.	cum	900.00
2902	Stone aggregate (Single Size) 80 mm nominal size	(A) Crushed	cum	900.00

	(B) Nallah.	cum	900.00
2903	Stone Chippings / Screenings 4.75 mm nominal size	cum	900.00
2904	Stone Chippings / Screenings 150 micron nominal size	cum	900.00
2908	Over burnt (Jhama) Brick aggregate 120 mm to 40 mm size	cum	600.00
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	900.00
2911	Stone Chippings / Screenings 10 / 11.2 mm nominal size	cum	900.00
2914	Solvent	kilogram	30.00
2916	paving Asphalt VG-10 of approved quality.	tonne	56302.00
3002	Polyvinyl chloride sheet 400 micron thick	sqm	45.00
3003	Asbestos Cement sheets plain 4 mm thick	sqm	NA
3004	Stoneware spouts 100 mm dia 60 cm long	each	45.00
3050	Galvanised steel corrugated sheets	quintal	6095.00
3080	25 mm dia Gun metal non return valve-vertical (Screwed end)	each	445.00
3084	32 mm dia Gun metal non return valve-vertical (Screwed end)	each	815.00
3088	40 mm dia Gun metal non return valve-vertical (Screwed end)	each	930.00
3092	50 mm dia Gun metal non return valve-vertical (Screwed end)	each	1300.00
3096	65 mm dia Gun metal non return valve-vertical (Screwed end)	each	2070.00
3213	Vitreous china Surgeon type wash basin of size 660x460 mm	each	1100.00
3224	750x20 mm anodised aluminium towel rail alongwith a pair	each	345.00
	of anodised aluminium brackets		
3225	600x20 mm anodised aluminium towel rail alongwith a pair	each	280.00
	of anodised aluminium brackets		
3228	600x120 mm glass shelf with anodised aluminium angle	each	290.00
	frame, C.P. brass brackets and guard rail of standard size		
3229	550x400 mm flat back wash basin vitreous china	each	795.00
3300	80 mm dia Gun metal non return valve-vertical (Screwed end)	each	2600.00
3308	80 mm dia Sluice valve (with caps) C.I. of Class II	each	NA
3311	100 mm dia Sluice valve (with caps) C.I. of Class II	each	2700.00
3314	125 mm dia Sluice valve (with caps) C.I. of Class II	each	3300.00
3317	150 mm dia Sluice valve (with caps) C.I. of Class II	each	4100.00
3320	200 mm dia Sluice valve (with caps) C.I. of Class II	each	8900.00
3321	250 mm dia Sluice valve (with caps) C.I. of Class II	each	15000.00
3326	300 mm dia Sluice valve (with caps) C.I. of Class II	each	18500.00
3327	15mm Battery based Sensor pillar cock	each	6000.00
3617	C.P. brass union 40 mm dia	each	220.00
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 100 mm dia bend	each	300.00
3629	S.C.I. S & S 75 mm dia bend.	each	200.00
3634	S.C.I. S & S 100 mm dia heal rest sanitary bends	each	300.00
3635 3640	S.C.I. S & S 75 mm dia heal rest sanitary bends	each	280.00
3641	S.C.I. S & S 100x100x100 mm single equal Junctions S.C.I. S & S 75x75x75 mm single equal Junctions	each	500.00 350.00
		each	
3644	S.C.I. S & S 100x100x100 mm Single equal Junctions with access door	each	500.00

3645	S.C.I. S & S 75x75x75 mm Single equal Junctions with access door	each	390.00
3650	S.C.I. S & S 100x100x100x100 mm double equal junctions	each	630.00
3651	S.C.I. S & S 75x75x75x75 mm double equal junctions	each	470.00
3654	S.C.I. S&S 100x100x100x100mm double equal junctions with	each	630.00
	access door		
3655	S.C.I. S & S 75x75x75x75 mm double equal junctions with access door	each	500.00
3660	S.C.I. S&S single unequal junctions 100x100x75 mm	each	600.00
3661	S.C.I. S & S 100x100x50 mm single unequal junctions	each	NA
3664	S.C.I S & S 100x100x75 mm single unequal junctions	each	650.00
	with access door		
3670	S. C. I. S & S 100x100x75x75 mm double unequal junction	each	800.00
3674	S.C.I S & S 100x100x75x75 mm double unequal junction	each	900.00
	with access door		
3681	S.C.I. S&S single equal invert branch of required degree	each	430.00
	100x100x100 mm dia		
3682	S.C.I. S&S single equal invert branch of required degree	each	330.00
	75x75x75 mm dia		
3685	S.C.I. S&S double equal invert branch of required degree	each	540.00
	100x100x100x100 mm dia		
3686	S.C.I. S&S double equal invert branch of required degree	each	450.00
	75x75x75 mm dia		
3690	S.C.I. S&S single unequal invert branch of required degree	each	550.00
	100x100x75 mm dia		
3695	S.C.I. S&S double unequal invert branch of required degree	each	730.00
	100x100x75x75 mm dia		
3699	75 mm Offset for 75 mm dia. Pipe S.C.I S & S	each	230.00
3700	75 mm Offset for 100 mm dia. pipe	each	NA
3707	150 mm Offset for 75 mm dia. Pipe S.C. I S & S	each	300.00
3708	150 mm Offset for 100 mm dia. Pipe S.C.I. S & S	each	400.00
3712	Sand Cast Iron (S&S) 114 mm Offset for 75 mm dia pipe	each	310.00
3713	Sand Cast Iron (S&S) 114 mm Offset for 100 mm dia pipe	each	390.00
3716	Sand Cast Iron (S&S) 152 mm Offset for 75 mm dia pipe	each	360.00
3717	Sand Cast Iron (S&S) 152 mm Offset for 100 mm dia pipe	each	460.00
3728	100 mm door pieces S.C.I. S & S	each	410.00
3729	75 mm door pieces S.C.I. S & S	each	300.00
3733	100 mm Slotted Cowl (Terminal Guard)S C.I. S & S	each	300.00
3734	75 mm Slotted Cowl (Terminal Guard) S.C.I S & S	each	210.00
3738	100 mm Collars S.C.I S & S	each	300.00
3739	75 mm collars S.C.I. S & S	each	180.00
3746	Sand Cast Iron (S&S) 75mm Offset for 75 mm dia pipe	each	220.00
3747	Sand Cast Iron (S&S) 75 mm Offset for 100 mm dia pipe	each	360.00
3749	Vitreous china Toilet paper holder of standard size	each	280.00
3860	560 mm dia cover with frame (Heavy duty)	each	9100.00
3861	560 mm dia cover without frame (Heavy duty)	each	5100.00
3991	Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for small series		
	casement window/door frame, sash, mullion & small series sliding		
	window frame	metre	70.00

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3992	Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for big series		
	casement window/door frame, sash, mullion, big & small series		
	sliding window frame	metre	75.00
3993	Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for big series		
	casement door sash	metre	100.00
3994	Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for big series		
	sliding window / door sash	metre	90.00
3995	G.I fasteners 100 x 8 mm each	each	15.00
4001	Stainless steel (Grade -304) hollow section round/square tubes	kg	275.00
4002	Stainless steel bolts / square bar and plates	kg	234.00
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	kilogram	60.00
4010	Mild steel tubes, hot finished seamless type	kilogram	70.00
4011	Mild steel tubes, electric resistant or induction butt welded.	kilogram	50.00
4012	Circular C.I. Box for ceiling fan internal dia 140 mm, 73 mm height, toplid of		
	1.5mm thick MS sheet	each	55.00
4013	40 mm dia pulleys	each	35.00
4014	Ready made steel door with necessary hinges, lugs and	sqm	NA
	glazing clips excluding other fittings and their fixing		
4015	Ready made steel window (fixed) with lugs and	sqm	NA
	glazing clips excluding other fittings and their fixing		
4016	Ready made steel window (side hung) with lugs hinges &	sqm	NA
	glazing clips excluding other fittings and their fixing		
4017	Ready made steel ventilator (top hung) with lugs hinges	sqm	NA
	glazing clips excluding other fittings and their fixing		
4018	Ready made steel ventilator (central hung) with lugs pivots,	sqm	NA
	lugs, glazing clips excluding other fittings and their fixing		
4201	Aluminium Primer	litre	120.00
4202	Red Oxide Zinc Chromate primer	litre	120.00
4203	Copper accetate	kilogram	300.00
4204	Hydrochloric Acid	kilogram	35.00
4205	Copper chloride	kilogram	300.00
4206	Copper Nitrate	kilogram	210.00
4207	Ammonium chloride	kilogram	22.00
5001	Mobil oil	litre	268.00
5050	SS pipe 304 grades with press fit technology as per JIS 3448 Standard		
	48.60 mm outer dia	metre	775.00
5571	Stoneware pipes Grade A (60 cm long) 100 mm dia	each	NA
5743	Coloured inter locking C.C. paver Block	sqm	500.00
6001	16 mm thick White Marble slab Makrana second quality plain veined	sqm	1460.00
6001A	18 mm thick White Marble slab Makrana second quality plain veined	sqm	1450.00
6004	16 mm thick White Marble slab. Makrana Doongri adanga veined	sam	2900 001
6004 6004A	16 mm thick White Marble slab Makrana Doongri adanga veined 18 mm thick White Marble slab Makrana Doongri adanga veined	sqm	2900.00 3050.00
6004 6004A 6007	16 mm thick White Marble slab Makrana Doongri adanga veined 18 mm thick White Marble slab Makrana Doongri adanga veined Pink marble slab plain 16 mm thick	sqm sqm sqm	2900.00 3050.00 660.00

6010	Udaypur Green marble 16 mm thick slab	sqm	600.00
6010A	Udaypur Green marble 18 mm thick slab	sqm	620.00
6019	Black Zebra marble slab plain 16 mm thick	sqm	880.00
6019A	Black Zebra marble slab plain 18 mm thick	sqm	1000.00
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	each	215.00
	latch and lock		
7004	450 x 300 mm Flat back wash basin (vitreous chian)	each	658.00
7005	10 litres without fittings low level cistern (vitreous china)	each	1140.00
7006	10 litres with fittings low level cistern (vitreous china)	each	1789.00
7008	F.P.S. (non modular) clay fly ash bricks class designation 7.5	1000 nos.	6000.00
7009	12.5 mm thick tapered edge plain Gypsum plaster borad Confirming to		
	IS 2095 (Part- I) : 2011	sqm	215.00
7010	Ceiling sectionsGalvanished steel (size 80 x 26x 0.50 mm)	metre	67.00
7011	Perimetre channel Galvanished steel (size 20 x 27 x 30x0.5 mm)	metre	44.00
7012	Intermediate channel Galvaniwhed steel(size 15x45x15x0.90 mm)	metre	66.00
7013	Angle hanger/Ceiling angle Galvanished steel (size 25x10x0.50 mm)	metre	28.00
7014	Connecting clips Galvanished steel (2.64 mm dia and 230 mm long G.I. wire.)	each	5.00
7015	Soffit cleat Galvanished steel (size 27 x 37x25x0.60 mm)	each	4.00
7016	Joint filler	kilogram	36.00
7017	Joint finisher	kilogram	28.00
7018	Joint tape roll	roll	205.00
7019	Dash fastner/ Chemical fastener,	each	15.00
7020	All drive screws for Gypsum board.	100 Nos.	62.00
7021	Primer for Gypsum board	litre	100.00
7022	Chlorpyriphos 20% E.C. / Lindane 20% E.C.	litre	150.00
7023	Chromium plated brackets (Curtain rod)	each	12.00
7024	Acid proof cement	tonne	7800.00
7025	Self tapping pan head nickel coated mild steel screws of size $13 \times 3.2 \text{ mm}$	1000 nos.	580.00
7026	Fibre joint tape 50 mm wide (90 metre) roll	each roll	205.00
7027	M.S. Butt hinges 125x90x4 mm	10 nos.	175.00
7028	12.5 mm thick fully perforated gypsum board	sqm	540.00
7029	Galavanised wire mesh of average width of aperture 1.4 mm	sqm	250.00
	and nominal dia. of wire 0.63 mm		
7030	12.5 mm thick tapered edge gypsum fire resistant board	sqm	NA
7031	12.5 mm thick tapered edge moisture resistant plain Gypsum plaster board		
	confirming to IS 2095 (Part- I): 2011	sqm	284.00
7032	Frosted glass sheet of nominal thickness 4 mm (weighing not less than	sqm	539.00
	10 kg / sqm)		
7033	Nickle plated M.S. pipe 25 mm dia.	metre	80.00
7034	Nickle plated M.S. pipe 20 mm dia.	metre	72.00
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	20.00
7036	Nickle plated M.S. Brackets for curtain rod 25 mm	each	25.00
7037	Brass screws 35 mm	100 nos.	157.00
7038	Chromium plated brass screws 35 mm	100 nos.	NA
7040	Oxidised mild steel screws 35 mm	100 nos.	48.00
7042	Mild steel conduit pipe (heavy type) ISI marked-20 mm dia.	metre	58.00

7043	Mild steel conduit pipe (heavy type) ISI marked-25 mm dia.	metre	67.00
7044	Rolling shutters of 80x0.90 mm laths	sqm	1415.00
7045	Rolling shutters of 80x1.20 mm laths	sqm	1750.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	528.00
7047	Top cover of Rolling shutters 1.20 mm thick	metre	612.00
7048	Rawl plug 50 mm (designation 10 no.)	each	25.00
7049	Teak wood lipping of size 25X3 mm in pelmets	metre	20.00
7050	PU primer	sqm	62.00
7051	40 mm (average) PU spray having 40-45 kg / m3 density	sqm	413.00
7052	GI wire netting 3 /4" x24G	sqm	31.00
7053	400 G polythene sheet	sqm	18.00
7055	Flat pressed 3 layers and graded particle board (medium	sqm	516.00
7033	density) Grade 1 conforming to IS : 3087 - 18 mm thick	Sqiii	310.00
7056	Aluminium Tee channel (heavy duty) with rollers and stop end	metre	122.00
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	41.00
7060			620.00
	Haudraulic door closer tubler type Aluminium section body	each	
7063	300 mm not less than 0.33 kg.Oxidised M.S. Casement stay(straight	each	45.00
	peg type)		
7064	250 mm not less than 0.28 kg.Oxidised M.S casement stay (Straight	each	40.00
	peg type)		
7065	200 mm not less than 0.24 kg.Oxidised M.S casement stay (straight	each	30.00
	peg type)		
7068	Extra for providing grilled rolling shutters with 8 mm dia M.S.rod.	sqm	500.00
7070	Chequerred precast cement concrete tiles 22 mm thick using	sqm	410.00
	marble chips of size 6 mm Light shade using white cement		
7071	White marble Raj Nagar plain - 18 mm thick (upto 0.50 sqm area)	sqm	775.00
7071.1	White marble Raj Nagar plain - 16 mm thick (upto 0.50 sqm area)	sqm	730.00
7072	Wall mounted water closet of size 780 x 370x690 mm	each	6000.00
7073	Adjustable Vitreous China Cistern with fittings of flushing capacity		
	3 litre/ 6 litre 9 adjustibla to 4 litre/8 litre)	each	2193.00
7074	White Vetrious China Waterless Urinal of size 600x330x315 mm	each	9650.00
7075	Cistern with fittings for waterless urinal	each	2500.00
7076	Battery based infrared sensor operated white Vitreous Urinal of aprox.		
1	size 610x390x370 mm	each	4500.00
7077	Acid and alkali resistant tiles size 300x300 mm size 10 mm thick	ten	570.00
7078	Araldite GY 257	kilogram	330.00
7080	Hardner HY 850	kilogram	NA
7081	Hardner HY 825	kilogram	NA
7082	Hardner HY 830	kilogram	NA
7083	Flow control agent	litre	NA
7084	Acrosil D.T. 0.75	litre	NA
7085	Quartz sand No. 10	kilogram	NA
7087	150 mm Tee (S.C.I)	each	570.00
7090	Expanded polystyrene type N- Normal 50 mm thick	sqm	140.00
7091	Expanded polystyrene type - SE 50 mm thick	sqm	170.00
7095	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 250 mm	each	3220.00
7096	Stainless steel kitchen sink - with drain board 510 x 1040 mm	each	3050.00
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	bowl depth 225 mm		
7097	Stainless steel kitchen sink - with drain board 510 x 1040 mm	each	2850.00
	bowl depth 200 mm		
7098	Stainless steel kitchen sink - with drain board 510x1040 mm bowl	each	2740.00
	depth 178 mm		
7099	Stainless steel kitchen sink - with drain board 460X915 MM mm bowl	each	2650.00
	depth 178 mm		
7101	Stainless steel kitchen sink - without drain board 610x510 mm	each	2350.00
	bowl depth 200 mm		
7102	Stainless steel kitchen sink - without drain board 610x460 mm	each	1859.00
	bowl depth 200 mm		
7103	Stainless steel kitchen sink - without drain board 470x420 mm	each	1549.00
	bowl depth 178 mm		
7104	Coloured Orissa pattern W.C. pan 580 x 440 mm	each	1675.00
7105	Coloured Pedestal type W.C. pan (European type) 580x440mm	each	1000.00
7106	Coloured low level flushing cistern10 litres (vetreous china)	each	1343.00
7107	Coloured (other than black) solid P.V.C. plastic seat in	each	450.00
	European W.C. Pan.		
7108	Stainless steel grating 75 mm dia	each	35.00
7109	Stainless steel grating 100 mm dia	each	45.00
7112	Mirror with white plastic moulded frame circular shape	each	516.00
	450 mm dia		
7113	Mirror with plastic moulded frame	each	300.00
	rectangular shape 453x357 mm		
7114	Mirror with plastic moulded frame	each	361.00
	oval shape 450x350 mm (Outer dimensions)		
7115	Mirror with plastic moulded frame	each	826.00
	rectangular shape 1500x450 mm		
7116	Hard board 6 mm thick	sqm	155.00
7117	Semi Rigid PVC waste pipe for sink and wash basin 32 mm dia	each	52.00
	with length not less than 700 mm i/c PVC waste fittings		
7118	Semi Rigid PVC waste pipe for sink and wash basin 40 mm dia	each	62.00
	with length not less than 700 mm i/c PVC waste fittings		
7119	Flexible (coil shaped) PVC waste pipe for sink and washbasin 32	each	45.00
	mm dia with length not less than 700 mm i/c PVC waste fittings		
7120	Flexible (coil shaped) PVC waste pipe for sink and wash basin 40	each	62.00
	mm dia with length not less than 700 mm i/c PVC waste fittings		
7121	Bottle Trap	each	600.00
7122	CP Brass Single lever telephonic wall mixer of approved make	each	5000.00
7123	Coloured High density polyethylene / poly propylene 10 lit. (full	each	680.00
	flush) capacity controlled low level flushing cistern with fittings		
7126	White Vitreous china 10 litre (full flush) capacity controlled low	each	1033.00
	level flushing cistern with all fittings		
7127	Coloured Vitreous china 10 litre (full flush) capacity controlled low	each	1150.00
	level flushing cistern with all fittings		
7128	100 mm dia.metre S.W. intercepting trap	each	225.00
7129	150 mm dia. S.W. intercepting trap	each	280.00

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7130	Rectangular shape 600x450 mm precast R.C.C. manhole cover	each	750.00
	with frame - L.D 25		
7131	Square shape 450x450 mm precast R.C.C. manhole cover with	each	690.00
	frame - L.D 25		
7132	Circular shape 450 mm dia precast R.C.C. manhole cover with	each	690.00
	frame - L.D 25		
7133	Rectangular shape 500x500 mm precast R.C.C. manhole cover	each	800.00
	with frame - M.D 10		
7134	Circular shape 500 mm dia precast R.C.C. manhole cover with	each	690.00
	frame -M.D10		
7135	Circular shape 560 mm dia precast R.C.C. manhole cover with	each	1055.00
7406	frame - H.D 20		4 400 00
7136	Circular shape 560 mm dia precast R.C.C. manhole cover with	each	1400.00
71 27	frame - E.H.D 35		1700.00
7137	Factory made 35 mm thick shutters with Laminated veneer	sqm	1700.00
	lumber syles rails as per TADS 15 : 1995		
	and panels of 12mm thick plain Type 1, medium density flat		
	pressed three layer, graded particle board (FTP-I) as per IS		
	: 3087bonded with BWP type synthetic resin adhesive		
7139	as per IS: 848 Factory made 35 mm thick shutters with laminated veneer	sam	1743.00
/139	lumbor styles and raids as per TADS 15:1995 and panels of	sqm	1743.00
	12 mm thick both sides prelaminated Type-I, medium density		
	flat pressed three, layer, graded particle boad (FPTI) as per		
	IS : 3087 marked bonded with BWP type synthetic resin		
	adhesive as per IS: 848		
7143	Factory made 35 mm thick shutters with laminated veneer	sqm	1930.00
, , , ,	lumbor styles and raids as per TADS 15:1995 and panels of	54	2500.00
	12 mm thick one side prelaminated Type-I, other side balan-		
	cing lamination medium density flat pressed three, layer,		
	graded particle boad (FPTI) as per IS : 3087 marked bonded		
	with BWP type synthetic resin adhesive as per IS : 848		
7151	Factory made 30 mm thick shutters with laminated veneer lumber	sqm	1396.00
	styles & rails as per TADS 15:1995 and panels of sheet glass using		
	10 kg/ sqm glass panes		
7154	Factory made 35 mm thick shutters with laminated veneer lumber	sqm	1700.00
	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		
7155	Factory made 30 mm thick shutters with laminated veneer lumber	sqm	1430.00
	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		
7157	Laminated veneer lumber conforming to TADS IS: 1995	cum	70000.00
	manufactured in factory in frames of door, windows		
7178	Chemical ASTMC - type 1	kg	111.00
7181	C.I. pile shoe	kilogram	53.00

7182	M.S. clamps for pile shoe of 35 kg per pile	kilogram	55.00
7183	Bentonite of 35 kg per pile	tonne	3250.00
7184	Oxidised M.S. safety chain (weighing not less than 450	each	63.00
	gms) for door		
7187	C.I. grating 150mm dia. (weighing not less than 440 gms)	each	41.00
7188	uPVC pipes (working pressure 4 kg / cm2) Single socketed pipe	metre	89.00
	75 mm dia		
7189	uPVC pipes (working pressure 4 kg / cm2) Single socketed pipe	metre	177.00
	110 mm dia		
7190	uPVC pipes (working pressure 4 kg / cm2) Rubber (Seal) Ring	each	9.00
	75 mm dia		
7191	uPVC pipes (working pressure 4 kg / cm2) Rubber (Seal) Ring	each	11.00
	110 mm dia		
7192	UPVC coupler for UPVC drainage pipes 75 mm	each	52.00
7193	UPVC coupler for UPVC drainage pipes 110 mm	each	78.00
7194	UPVC pusufit coupler (single) 75 mm thick	each	18.00
7195	UPVC pusufit coupler (single) 110 mm thick	each	33.00
7196	uPVC single equal Tee (without door) 75x75x75 mm	each	62.00
7197	uPVC single equal Tee (without door) 110x110x110 mm	each	124.00
7198	uPVC single equal Tee (with door) 75x75x75 mm	each	78.00
7199	uPVC single equal Tee (with door) 110x110x110 mm	each	150.00
7200	75x75x75 mm UPVC double equal door Tee	each	68.00
7200	110x110x110x110 mm UPVC double equal door Tee		88.00
		each	104.00
7202 7203	75x75x75 mm UPVC single equal Y with door	each	200.00
	110x110x110 mm UPVC single equal Y with door	each	
7204	75x75x75 mm UPVC single equal Y with door	each	104.00
7205	110x110x110 mm UPVC single equal Y with door	each	200.00
7208	UPVC bend 87.5° 75 mm bend	each	46.00
7209	UPVC bend 87.5° 110 mm bend	each	92.00
7210	75 mm UPVC bend 450	each	46.00
7211	110 mm UPVC bend 450	each	77.00
7212	75 mm bend UPVC plain shoe	each	50.00
7213	110 mm bend UPVC plain shoe	each	52.00
7214	75 mm bend UPVC pipe clip	each	20.00
7215	110 mm bend UPVC pipe clip	each	24.00
7231	Resin bonded glass wool @ 16 kg / cum., 50 mm thick	sqm	100.00
7232	Resin bonded glass wool @ 24 kg / cum., 50 mm thick	sqm	143.00
7233	Fibre glass tissue reinforcement Type II Grade I	sqm	82.00
7236	Precast chequered cement tiles 22 mm thick	sqm	232.00
	dark shade using ordinary cement.		
7237	Precast chequered cement tiles 22 mm thick medium shade using	sqm	337.00
	50% white cement 50% ordinary cement		
7238	High Albedo paint	kg	191.00
7239	Epoxy Paint	litre	230.00
7240	Fire retardant paint	litre	254.00
7241	Melamine polish	litre	237.00
7242	Silicon water repellant	litre	520.00

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7244	(i) Agaria Marble stone Table rubbed polished stone	sqm	1824.00
	18 mm thick (75x50 cm)		
	(ii) Agaria Marble stone Table rubbed polished stone	sqm	1780.00
	16 mm thick (75x50 cm)		
7245	Granite stone Table rubbed polished stone		
	18 mm thick (75x50 cm)	sqm	1824.00
	16 mm thick (75x50 cm)	sqm	1824.00
	Tests		
	Verticle load testing (Intial) 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 .		
7246	Upto 50 M.T.capacity pile (Single)	per test	119238.00
7247	Above 50 M.T. & upto 100 tonne capacity piles (Single)	per test	180380.00
	Group of two or more piles		
7248	Upto 50 tonne capacity each	per test	199968.00
	Cyclic vertical Load testing of piles in accordence with		
	IS: 2911 part-IV including preparation of pile head etc for		
	Single pile		
7249	Upto 50 tonne capacity pile	per test	131162.00
7250	Above 50 tonne capacity pile and upto 100 tonne capacity pile	per test	198418.00
7251	group of two piles upto 50 tonne capacity each	per test	219965.00
	Lateral Load testing of singel pile in accordence with		
	IS: 2911 part-IV for determining safe allowable lateral		
	load on pile.		
7252	Upto 50 tonne capacity pile	per test	55205.00
7253	Above 50 tonne capacity pile	per test	62322.00
7254	Hardening compound.	litre	44.00
7255	Road marking paint (spirit based)	litre	145.00
7256	Superior quality road marking paint	litre	161.00
	(water based.)		
7257	C.P. Brass bibcock 15 mm	each	407.00
7258	C.P. Brass long nose bibcock 15 mm	each	492.00
7259	C.P. Brass long body bibcock 15 mm	each	492.00
7260	C.P. Brass stop cock (concealed) 15 mm	each	487.00
7261	C.P. Brass angle valve 15 mm	each	407.00
7262	Piller Cock C.P. Brass basin Mixer Pillar tap 15 mm	each	1525.00
7266	Pressed clay tiles 20 mm thick 250 x 250 mm size.	1000 nos.	9500.00
7267	Plain ceiling tiles (BWP type phenol formal dehyde synthetic	each	115.00
	resin bonded) (600x600x12 mm)		
7268	Semi perforated ceiling tiles (600x600x12 mm)	each	127.00
7269	25 mm thick particle board	sqm	528.00
7270	30 mm thick prelaminated flush door shutter	sqm	860.00
7271	II nd class teak wood lipping 25 mm wide x12 mm thick	metre	36.00
7272	25 mm thick melamine faced prelaminated three	sqm	912.00
	layerparticle board		

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7273	Resin Bonded Rockwool 48 kg/m3	sqm	135.00
7274	Glass wool 50 mm thick	sqm	238.00
7280	Waste plastic additive	tonne	40000.00
7281	Chemical ASTMC- type II	kg	182.00
7283	18 mm thick marble slab, areawise above 0.2 sqm upto 0.5 sqm	sqm	365.00
7284	18 mm thick marble slab, areawise above 0.5 sqm upto 1.0 sqm	sqm	456.00
	Udaipur green marble		
7286	18 mm thick marble slab, areawise above 0.10 sqm upto 0.2 sqm	sqm	365.00
7287	18 mm thick marble slab, areawise above 0.2 sqm upto 0.5 sqm	sqm	365.00
7288	18 mm thick marble slab, areawise above 0.5 sqm upto 1.0 sqm	sqm	425.00
	Kishan garh Zebra Black marble		
7291	18 mm thick marble slab, areawise above 0.2 sqm upto 0.5 sqm	sqm	392.00
7292	18 mm thick marble slab, areawise above 0.5 sqm upto 1.0 sqm	sqm	501.00
7295	Granite of any colour, 18 mm thick (slab area upto 0.50 sqm)	sqm	1800.00
7295.1	Granite of any colour, 16 mm thick (slab area upto 0.50 sqm)	sqm	1725.00
7296	Granite of any colour, 30 mm thick (slab area upto 0.50 sqm)	sqm	1900.00
7297	Granite of any colour, 18 mm thick (slab area above o.50 sqm.)	sqm	1000.00
7297.1	Granite of any colour, 16 mm thick (slab area above o.50 sqm.)	sqm	1000.00
7306	Aluminium T or L sections	kilogram	229.00
7307	For flush door shutters Extra for providing teak veneering on one	sqm	380.00
	side instead of commercial veneering		
7309	Paving Asphalt of grade VG-30 of approved quality	tonne	57702.00
7312	Expandable fastener with plastic sleeve and M.S. screws :	each	15.00
	25 mm long		
7313	Expandable fastener with plastic sleeve and M.S. screws :	each	16.00
	32 mm long		
7314	Expandable fastener with plastic sleeve and M.S. screws :	each	18.00
	40 mm long		
7315	Expandable fastener with plastic sleeve and M.S. screws :	each	20.00
	50 mm long		
7318	Plasticizer/super plasticizer	kilogram	70.00
7319	Wall form panel 1250x500 mm	each	950.00
7320	Tie bolt 12 mm dia 100 mm length	each	40.00
7321	Tie bolt 12 mm dia 150 mm length	each	45.00
7322	Tie bolt 20 mm dia 150 mm length	each	65.00
7323	Tie bolt 20 mm dia 225 mm length	each	75.00
7324	Spring coil 12 mm	each	15.00
7325	Plastic cone 12 mm dia	each	17.00
7326	Corner angle 45x45x5 mm 1.50 m long	each	260.00
7327	100 mm channel shoulder 2.5 m long	each	1100.00
7328	Double clip (bridge clip)	each	85.00
7329	Single clip	each	65.00
7330	M.S. tube 40 mm dia	metre	240.00
7331	Wall form panel 1250x450 mm	each	925.00
7332	Corner angle 45x45x5 mm 2.50 m long	each	345.00
7333	Column clamp 450x1070 mm	each	1030.00
7334	Prop 2 m (2-3.5 m)	each	680.00

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7335	Binding wire	kilogram	85.00
7336	Lock Bar (E 250) - 10 thick MS Plate	kilogram	85.00
7338	Gun metal cramp	kilogram	325.00
7339	Stainless steel cramp	kilogram	310.00
7340	Stainless steel pin	kilogram	197.00
7342	Adjustable span ESO+SI (2.35-3.40)	each	1550.00
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	1100.00
7344	Beam clamp 300-380 mm (450-1070 mm)	each set	390.00
7345	Prop 4 m	each	1050.00
7346	Double Coupler	each	55.00
7347	Cadmium plated full threaded steel screws (30x4 mm dia.)	100 nos.	44.00
7348	Aluminium Washer 2mm thick 15 mm dia	100 nos.	10.00
7349	12 mm M.S. 'U' beading	metre	20.00
7350	M.S. tower bolt-bright finished/black stove enamelled 250x10 mm	each	51.00
7353	M.S. tower bolt-bright finished/black stove enamelled 100x10 mm	each	30.00
7354	Plastic encapsuled M.S. foot rest 30x20x15 cm	each	120.00
7358	Flushing Cistern P.V.C. 10 litre capacity (low level) (White) (with	each	700.00
	fittings, accessories and flush pipe)		
7359	P.V.C. automatic flushing cistern 5 litres capacity	each	550.00
7361	P.V.C. automatic flushing cistern 10 litres capacity	each	510.00
7363	15 mm C.P. brass tap with elbow operation lever	each	490.00
7364	White glazed fire clay draining board 600x450x25 mm	each	600.00
7366	Glass reinforced Gypsum (GRG) board 12.5 mm thick	sqm	265.00
7367	50 x 32 mm Galvanised M.S.sheets 0.5 mm thick pressed channel sector.	metre	65.00
7368	GFRG Panel of 124 mm thick	metre	910.00
7369	48x34x36 mm Galvanised M.S. sheet 0.50 mm thick pressed stud	metre	80.00
7370	70x34x36 mm Galvanised M.S. sheet 0.50 mm thick pressed stud	metre	85.00
7375	GI flush pipe and C.P. brass spreader including C.P.	each	466.00
	connecting single lipped urinals		
7376	GI flush pipe and C.P. brass spreader including C.P.	each	1059.00
	connecting pipe range of two lipped urinals		
7377	GI flush pipe and C.P. brass spreader including C.P.	each	1312.00
	connecting pipe range of three lipped urinals		
7378	GI flush pipe and C.P. brass spreader including C.P.	each	1900.00
	connecting pipe range of four lipped urinals		
7379	white vitreous china clay half stall urinal flat back	each	1053.00
	580x380x350 mm or angle back 450x375x350 mm with	545	1000.00
	waste fittings as per IS:2556		
7380	Precast R.C.C. grating with frame 500x450 mm horizontal grating	each	697.00
7381	Precast R.C.C. grating with frame 450x100 mm vertical grating	each	285.00
7382	Bitumen emulsion rapid setting (RS) conforming to IS: 8887	tonne	92605.00
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	550.00
7386	12 mm thick particle board ceiling tile	sqm	110.00
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	kilogram	38.00
7309	ביים ביים ביים ביים ביים ביים ביים ביים	Kilograffi	36.00

7390	EPDM Gasket for uPVC window/door	meter	15.00
7391	Anodising 25 microns on aluminium sections	kilogram	48.00
7392	Powder coating 50 microns on aluminium sections	kilogram	61.00
7393	Polyester Powder coating 50 microns on aluminium sections	kilogram	67.00
7394	Double action hydraulic floor spring with Stainless Steel cover plate	each	1500.00
7395	6 mm dia. M.S.adjustable hangers including clips (upto 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 (M.S.Tube)	each	765.00
7399	Cup Lock	each	48.00
7400	15 mm PTMT bib cock	each	127.00
7401	15 mm PTMT bib cock with flange (fancy)	each	176.00
7402	15 mm PTMT bib cock long body with flange	each	212.00
7403	15 mm dia PTMT stop cock (male thread)	each	132.00
7404	15 mm dia (F/T) stop cock (female thread)	each	132.00
7405	20 mm dia. PTMT stop cock	each	155.00
7406	PTMT Pillar Cock	each	197.00
7407	PTMT Push Cock 15 mm dia	each	102.00
7408	PTMT Push Cock 12 mm dia 20 mm BSP	each	132.00
7409	PTMT Grating 100 mm dia	each	28.00
7410	PTMT Pillar Cock (fency) 15mm foam flow	each	224.00
7410.1	PTMT Pillar Cock (fency) 15mm bore 125x131x43 mm	each	161.00
7411	125 mm with waste hole	each	25.00
7412	Rectangular type with openable circular lid 150 mm size 18 mm	each	130.00
	high with 100 mm dia (110 gm)		
7415	Double acting air valve 50 mm	each	3715.00
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	80 mm dia dirt box strainer	each	2680.00
7423	100 mm dia dirt box strainer	each	4370.00
7424	150 mm dia dirt box strainer	each	5540.00
7425	200 mm dia dirt box strainer	each	7860.00
7426	Cat's eye	each	80.00
7427	Water stops Serrated with central bulb	metre	200.00
	(225 mm wide, 8 -11mm thick)		
7428	Water stop - Dumb bell with central bulb	metre	160.00
7429	Kickers	metre	160.00
7430	1/4" or 6 mm Wedge expansion hold fastner	each	10.00
7431	3/8" or 10 mm Wedge expansion hold fastner	each	10.00
7432	1/2" or 12 mm Wedge expansion hold fastner	each	25.00
7433	Gun metal non return valve horizontal type 100 mm dia.	each	NA
7434	Gun metal non return valve verticle type 100 mm dia.	each	NA
7438	Granite brown 8 mm thick	sqm	NA

	(mirror polished tiles machine cut edge)		
7439	Raj Nagar White 8 mm thick	sqm	NA
	(mirror polished tiles machine cut edge)		
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	13.00
7445	25 mm thick pre-laminated flush door shutter both side decorative	sqm	890
7449	Aluminium U beading	kilogram	250.00
7451	Glass sheet (Pin headed) 4 mm thick	sqm	370.00
	Raj Nagar Plain-White Marble		
	(table rubbed and polished 18 mm thick)		
7452	upto 0.50 sqm	sqm	NA
7453	Above 0.50 sqm	sqm	NA
	Raj Nagar Plain-White Marble		
	(table rubbed and polished 16 mm thick)		
7452.1	upto 0.50 sqm	sqm	822.00
7453.1	Above 0.50 sqm	sqm	1235.00
7466	Second class deodar teak wood lipping with 30x12 mm	metre	40.00
	Veneered particle board with commercial		
	veneering on both sides		
7468	12 mm thick (EG)	sqm	600.00
7469	18 mm thick (EG)	sqm	NA
7470	25 mm thick (EG)	sqm	NA
	Veneered particle board with one side teak		
	veneering and other side commercial veneering		
7471	12 mm thick	sqm	NA
7472	18 mm thick	sqm	NA
7473	25 mm thick	sqm	NA
	Veneered particle board with teak veneering		
	on both sides		
7474	12 mm thick	sqm	NA
7475	18 mm thick	sqm	NA
7476	25 mm thick	sqm	NA
	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)		
7477	12 mm thick	sqm	500.00
7478	18 mm thick	sqm	560.00
7479	25 mm thick	sqm	850.00
	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)		
7480	12 mm thick	sqm	490.00
7481	18 mm thick	sqm	
7482	25 mm thick	sqm	

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7485	50 mm (Over all width) Oxidised M.S. hinges finished with	metre	55.00
	nickle plating		
7486	65 mm (Over all width) Oxidised M.S. hinges finished with	metre	69.00
	nickle plating		
7491	PTMT Waste Coupling 31/32 mm	each	69.00
7492	PTMT Waste Coupling 38/40 mm	each	90.00
7493	PTMT Bottle Trap 31/32 mm	each	395.00
7494	PTMT Bottle Trap 38/40 mm	each	415.00
7495	PTMT Ball Cock 15 mm complete with	each	203.00
	Epoxy Coated Aluminium Rod & H.D. Ball		
7496	PTMT Ball Cock 20 mm complete with	each	304.00
	Epoxy Coated Aluminium Rod & H.D. Ball		
7497	PTMT Ball Cock 25 mm complete with	each	571.00
	Epoxy Coated Aluminium Rod & H.D. Ball		
7498	PTMT Ball Cock 40 mm complete with	each	955.00
	Epoxy Coated Aluminium Rod & H.D. Ball		
7499	PTMT Ball Cock 50 mm complete with	each	1412.00
	Epoxy Coated Aluminium Rod & H.D. Ball		
7500	PTMT Angle Stop cock with Flange 15 mm	each	154.00
7501	PTMT Swiveling shower 15 mm	each	140.00
7502	PTMT Shower Arm with flange 225 mm	each	98.00
7503	PTMT Liquid soap container of 400 ml. capacity	each	198.00
7504	PTMT - Towel Ring 215x200x37 mm	each	135.00
7505	PTMT - Towel Rail (450 mm long)	each	258.00
7506	PTMT - Towel Rail (600 mm long)	each	312.00
7507	PTMT Shelf 450x124x36 mm	each	336.00
7508	PTMT Urinal spreader 15 mm	each	130.00
7509	PTMT Soap dish / holder 138x102x75 mm	each	155.00
7510	PTMT Flange 15 mm (Waste Coupling)	each	16.00
7511	PTMT extension Nipple 15 mm	each	33.00
7512	PTMT Handle 125x34x24 mm	each	33.00
7513	PTMT Handle 150x34x24 mm	each	39.00
7514	PTMT But Hinges 75x60x10 mm	each	55.00
7515	PTMT But Hinges 100x75x10 mm	each	70.00
7516	PTMT Tower Bolt 152x42x18 mm	each	70.00
7517	PTMT Tower Bolt 202x42x18 mm	each	92.00
7518	PTMT Door Catcher 72x42 mm	each	29.00
	Coir Veneered Board		
7552	4 mm thick	sqm	260.00
7553	6 mm thick	sqm	350.00
7555	12 mm thick	sqm	625.00
7556	18 mm thick	sqm	930.00
7565	PTMT extension nipple 20 mm	each	56.00
7566	PTMT extension nipple 25 mm	each	73.00
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
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		
7 333	per IS 15905 - 75x75x75 mm dia	each	260.00
7634	Hubless centrifugally cast (spun) iron single unequal plain invert branch	545	
7 0 0 1	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	Cacii	130.00
7033	pipe as per IS 15905	each	360.00
7636	Hubless centrifugally cast (spun) iron 65 mm offset with 75 mm dia pipe	Cacii	300.00
7030	as per IS 15905	each	295.00
7637	Hubless centrifugally cast (spun) iron 130 mm offset with 100 mm dia	each	293.00
/03/		oach	440.00
7620	pipe as per IS 15905	each	440.00
7638	Hubless centrifugally cast (spun) iron 130 mm offset with 75 mm dia		210.00
7620	pipe as per IS 15905	each	310.00
7639	Hubless centrifugally cast (spun) iron bend with access door - 100mm	1	265.00
76.40	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 Pipes Class K-9 Conforming	metre	765.00
	to I.S. 8329- 100 mm dia		
7652	Ductile Iron Pipes Class K-9 Conforming	metre	1150.00
	to I.S. 8329 -150 mm dia		
7653	Ductile Iron Pipes Class K-9 Conforming	metre	2155.00
	to I.S. 8329- 200 mm dia		
7654	Ductile Iron Pipes Class K-9 Conforming	metre	2952.00
	to I.S. 8329 -250 mm dia		
7655	Ductile Iron Pipes Class K-9 Conforming	metre	3350.00
7656	to I.S. 8329-300 mm dia		2000.00
7656	Ductile Iron Pipes Class K-9 Conforming	metre	3800.00
76.57	to I.S. 8329- 350 mm dia	un atua	4300.00
7657	Ductile Iron Pipes Class K-9 Conforming to I.S. 8329- 400 mm dia	metre	4300.00
7658	Ductile Iron Pipes Class K-9 Conforming	metre	5000.00
7030	to I.S. 8329- 450 mm dia	mede	3000.00
7659	Ductile Iron Pipes Class K-9 Conforming	metre	6270.00
, 000	to I.S. 8329- 500 mm dia	meare	0270.00
7660	Ductile Iron Pipes Class K-9 Conforming	metre	7560.00
	to I.S. 8329 -600 mm dia		
7661	Ductile Iron Pipes Class K-9 Conforming	metre	10500.00
	to I.S. 8329 -700 mm dia		
7662	Ductile Iron Pipes Class K-9 Conforming	metre	11350.00
	to I.S. 8329- 750 mm dia		
7663	Ductile Iron Pipes Class K-9 Conforming	metre	11450.00
	to I.S. 8329- 800 mm dia		
7664	Ductile Iron Pipes Class K-9 Conforming	metre	13900.00
	to I.S. 8329- 900 mm dia		
7665	Ductile Iron Pipes Class K-9 Conforming	metre	15550.00
	to I.S. 8329 -1000 mm dia		
7666	Rubber Gasket conforming to I.S. 5382	each	29.00
	of S.B.R Quality 100 mm dia		
7668	Rubber Gasket conforming to I.S. 5382	each	33.00
	of S.B.R Quality 150 mm dia		
7669	Rubber Gasket conforming to I.S. 5382	each	60.00
	of S.B.R Quality 200 mm dia		
7670	Rubber Gasket conforming to I.S. 5382	each	70.00
7674	of S.B.R Quality 250 mm dia		100.00
7671	Rubber Gasket conforming to I.S. 5382	each	100.00
7672	of S.B.R Quality 300 mm dia	an ah	116.00
7672	Rubber Gasket conforming to I.S. 5382	each	116.00
7673	of S.B.R Quality 350 mm dia Rubber Gasket conforming to I.S. 5382	each	210.00
, 0, 3	of S.B.R Quality 400 mm dia	Gacii	210.00
7674	Rubber Gasket conforming to I.S. 5382	each	250.00
7074	of S.B.R Quality 450 mm dia	Cucii	230.00
7675	Rubber Gasket conforming to I.S. 5382	each	270.00
, 0, 3	Trabber Subject comorning to 1.5. 5502	Cacii	270.00

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	of S.B.R Quality 500 mm dia		
7676	Rubber Gasket conforming to I.S. 5382	each	356.00
	of S.B.R Quality 600 mm dia		
7677	Rubber Gasket conforming to I.S. 5382	each	510.00
	of S.B.R Quality 700 mm dia		
7678	Rubber Gasket conforming to I.S. 5382	each	600.00
7670	of S.B.R Quality 750 mm dia	l-	705.00
7679	Rubber Gasket conforming to I.S. 5382 of S.B.R Quality 800 mm dia	each	705.00
7680	Rubber Gasket conforming to I.S. 5382	each	910.00
7000	of S.B.R Quality 900 mm dia	Cacii	310.00
7681	Rubber Gasket conforming to I.S. 5382	each	1080.00
, 551	of S.B.R Quality 1000 mm dia	Cucin	1000.00
7682	Ductile iron K-12 specials suitable for push on jointing	quintal	12400.00
	upto 600 mm dia.		
7683	Ductile iron K-12 specials suitable for push on jointing	quintal	17200.00
	over 600 mm dia.		
7684	Ductile iron specials suitable for mechanical jointing	quintal	13050.00
	as per I.S. 9523 upto 600 mm dia		
7685	Ductile iron specials suitable for mechanical jointing	quintal	18750.00
	as per I.S. 9523 over 600 mm dia		
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
7500	K-9 flanges and welding.		2052.00
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 7692	Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia Ductile Iron Pipe Class K-9 flanges and welding 400 mm dia	metre metre	4780.00 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
	S&S Centrifugally (Spun) C.I. Pipe specials as per		
7700	IS 1538 suitable for lead jointing	quintal	E100.00
7708	Upto 300 mm dia.	quintal	5190.00

7709	Over 300 mm dia.	quintal	6200.00
	S&S Centrifugally (Spun) C.I. Pipe specials suitable		
	for mechanical joint as per IS 13382		
7710	Upto 300 mm dia.	quintal	8571.00
7711	Over 300 mm dia.	quintal	9048.00
7712	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class	metre	1310.00
	B conforming to I.S. 1536, - 100 mm dia		
7713	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class	metre	2048.00
	B conforming to I.S. 1536, - 150 mm dia		
7714	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class	metre	3238.00
	B conforming to I.S. 1536, - 200 mm dia		
7715	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class	metre	3905.00
	B conforming to I.S. 1536, - 250 mm dia		
7716	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class	metre	4990.00
	B conforming to I.S. 1536, - 300 mm dia		
7717	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class	metre	6286.00
	B conforming to I.S. 1536, - 350 mm dia		
7718	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class	metre	8143.00
	B conforming to I.S. 1536, - 400 mm dia		
7719	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class	metre	10381.00
	B conforming to I.S. 1536, - 450 mm dia		
7720	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class	metre	12914.00
	B conforming to I.S. 1536, - 500 mm dia		
7721	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class	metre	17905.00
	B conforming to I.S. 1536, - 600 mm dia		
7722	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia	metre	1000.00
7723	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia	metre	1400.00
7724	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia	metre	1600.00
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 confirming to I.S. 4139	1000 nos.	5050.00
7739	Modified Bitumen Refinery produced CRMB-55	tonne	54762.00
7741	Modified Bitumen Refinery produced CRMB-60	tonne	54572.00
7742	Bitumen Emulsion M.S. (medium setting) conforming to IS: 8887	tonne	55882.00
7743	M.S.pipe 150 mm dia casing pipe	metre	1126.00
7744	M.S pipe 200mm dia casing pipe	metre	1400.00

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7745	PVC blind pipe 150 mm dia as per IS : 12818	metre	527.00
7746	PVC blind pipe 200mm dia as per IS: 12818	metre	800.00
7747	MS cap 150 mm dia	each	150.00
7748	MS cap 200 mm dia	each	200.00
7749	MS bail plug 150 mm dia	each	200.00
7750	MS bail plug 200 mm dia	each	220.00
7751	PVC slotted pipe 150 mm dia as per IS: 12818	metre	550.00
7752	PVC slotted pipe 200 mm dia as per IS: 12818	metre	840.00
7753	Stone Boulder 50 mm to 200 mm	cum	500.00
7754	Gravel 5 mm to 10 mm	Cum	630.00
7755	Gravel 1.5 mm to 2 mm	Cum	630.00
7756	Gravel 3 mm to 6 mm	Cum	630.00
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 ltr. Capacity	each	877.00
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 repallent chemical approved by ASI	litre	1100.00
7769	Stone surface strengthening chemical approved by ASI	litre	835.00
7770	Turpentine oil	litre	85.00
7771	Liquid Amonia 5 %	litre	160.00
7772	Pea Gravel	Cum	630.00
7773	Coloured inter locking C.C. paver Block (60 mm thick, M-35)	sqm	450.00
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	sqm	310.00
	colours shades and designs except burgundy, bottle green, black		
7801	Ceramic Glazed Tiles Ist quality 300 x 300 mm in all	sqm	310.00
	shades, designs of white, Ivory,Grey Fume Red Brown etc		
7802	Ceramic Glazed Tiles Ist quality 300 x 300 mm in all	sqm	356.00
	shades, designs except white, Ivory, Grey & Fume Red Brown etc		
7803	Rectified Ceramic Glazed Tiles Ist quality 300 x 300 mm or more in all	sqm	410.00
	shades, designs of white, Ivory, Grey & Fume Red Brown etc		
7804	Rectified Ceramic Glazed Tiles Ist quality 300 x 300 mm or more in all	sqm	410.00
	shades, designs except white, Ivory, Grey & Fume Red Brown etc		
7805	Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan	each	4500.00
	724 mm X 578 mm		
7806	Salem Stainless Steel AISI-304 (18/8) Round basin 405x355 mm	each	1500.00
7807	Salem Stainless Steel AISI-304 (18/8) wash basin 530x345 mm	each	2000.00
7808	Centrifugally cast (spun) iron S&S 100 mm inlet & 100 mm outlet	each	450.00

7809	Centrifugally cast (spun) iron S.C.I. S&S 100 mm inlet & 75mm outlet	each	500.00
7850	Agaria White marble slab plain 18 mm thick	sqm	1824.00
7857	PTMT Grating square slit 150 mm	each	73.00
7858	PTMT Urinal Cock 15 mm dia.	each	115.00
7859	PTMT Bib Cock with nozzle 15 mm	each	138.00
7860	PTMT Piller Cock fancy 15 mm	each	222.00
7861	PTMT Stop Cock (concealed) 15 mm	each	197.00
7862	PVC connection pipe with PTMT nuts 15 mm nominal bore and	each	38.00
	30cm length.		
7863	PVC connection pipe with PTMT nuts 15 mm nominal bore and	each	52.00
	45cm length.		
7864	PTMT extension nipple 15 mm	each	34.00
7865	PTMT extension nipple 20 mm	each	44.00
7866	PTMT extension nipple 25 mm	each	69.00
7893	Tactile tile	sqm	1000.00
7895	Matt finished vitrified tile 100x100 x16 mm	sqm	1000.00
7896	Vitrified tile	sqm	500.00
7900	Modular common burnt clay bricks of class designation 7.5	1000 nos.	NA
7901	Machine moulded perforated common burnt clay FPS		
	(Non modular) bricks of class designation 12.5	1000 nos.	NA
7902	Machine moulded common burnt clay modular perforated		
	bricks of class designation 12.5	1000 nos.	NA
7903	Machine Moulded common burnt clay FPS (non modular) bricks of	1000 nos.	NA
	class disignation 12.5		
7904	Machine Moulded common burnt clay tile bricks of class disignation 12.5	1000 nos.	NA
7911	Chemical Rust Remover	litre	210.00
7912	Hire charges of Drill machine upto 30 mm dia	day	150.00
7913	Ероху	kg	550.00
7914	SBR Polymer	kg	190.00
7915	Woven PVC cloth	sqm	25.00
7916	Hire charges of sand blasting equipment	day	500.00
7917	Hire charges of compressure	day	900.00
7918	25mm thick cement concrete shotcrete(guniting) with compressor	sqm	110.00
7919	50mm thick cement concrete shotcrete(guniting) with compressor	sqm	200.00
7920	75mm thick cement concrete shotcrete(guniting) with compressor	sqm	310.00
7921	Adhesive chemical	ml	2.00
7922	Bit of drilling machine for Hole upto 30mm dia	each	550.00
7923	GI injection nipple 12mm dia, 75mm long	each	50.00
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	70.00
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
		1 .	200.00
7929	Shear loops (6mm dia GI wire rope) (For vertical joints) 6 nos on each side	each	200.00
7929 7930	Shear loops (6mm dia GI wire rope) (For vertical joints) 6 nos on each side dowel tubes (Corrugated GI pipes 50 to 80mm dia) (For horizontal joints)	metre	135.00

	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	750.00
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	865.00
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	1070.00
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	1300.00
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	1545.00
8001	24 mm thick Factory made shutters with style, rails and panels of	sqm	1892.00
	PVC extruded sections in white, grey or wooden finish	24	
8002	30 mm thick Factory made shutters with style, rails and panels of	sqm	1978.00
	PVC extruded sections in white, grey or wooden finish	Jag	257 0.00
8003	Factory made PVC rigid foam panelled shutter i/c carriage	sqm	1892.00
8004	Factory made PVC rigid foam panelled shutter as per IS: 4020 i/	sqm	2236.00
	c carriage	34	2230.00
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	Sqiii	732.00
8010	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	,		140.00
	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	1750.00
8014	Factory made door frame of size 50x47 mm with wall thickness 5	Sqiii	1730.00
0014	mm made of single piece extruded profile	mtr.	430.00
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	•	10.00
8017	Fire rated door frame made with 1.6 mm thick G.I sheet (120 minutes	sqm	10.00
8017		metre	1200.00
8018	fire rating) Fire rated door chutter made with 1.6 mm thick C. I shoot (120 minutes	metre	1200.00
0010	Fire rated door shutter made with 1.6 mm thick G.I sheet (120 minutes	cam	6000.00
8019	fire rating) including hinges (without glass panels)	sqm	6000.00 102.00
	GI sheet 0.8 mm thick confirming to IS 277:1992	kg	102.00
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		600.00
0024	3mm dia at alternate row by welding	sqm	600.00
8021	Bamboo wood Tile Flooring 14mm thick of minimum size 1800mm x130mm	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 of size 1900mm x 135mm	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	Allignment Pipe - 3.00 Mtr.	each	1000.00
8047	Allignment Bracket	each	480.00
8048	Tie Rod for Bracket - 500mm	each	120.00
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 thik	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 45x45x5-985 mm Long	each	320.00
8100	Powder coated M.S. Butt Hinges 100x58x1.9 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 52x 44mm	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
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
8202	Aluminium Powder coated lever type handle	each	NA
8203	APP modified 2 mm thick membrane reinforced with glass fibre matt	sqm	130.00
8204	APP modified 3 mm thick membrane reinforced with glass fibre matt	sqm	190.00
8205	APP 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 No.	300.00
8211	Stainless steel screws 40 mm	100 No.	250.00
8212	Stainless steel screws 30 mm	100 No.	230.00
8213	Stainless steel screws 25 mm	100 No.	0.00
8214	Stainless steel screws 20 mm	100 No.	150.00
8215	Stainless steel Butt Hinge 125x64x1.90 mm IS: 12817	10 Nos.	310.00
8216	Stainless steel Butt Hinge 100x58x1.90 mm IS: 12817	10 Nos.	280.00
8217	Stainless steel Butt Hinge 75x47x1.80 mm IS: 12817	10 Nos.	180.00
8218	Stainless steel Butt Hinge 50x37x1.50 mm IS: 12817	10 Nos.	150.00
8219	Stainless steel Butt Hinge (heavy weight) 125x64x2.50 mm	10 Nos.	375.00
	IS : 12817 marked		
8220	Stainless steel Butt Hinge (heavy weight) 100x60x2.50 mm	10 Nos.	275.00
	IS : 12817 marked		
8221	Stainless steel Butt Hinge (heavy weight) 75x50x2.50 mm	10 Nos.	230.00
	IS : 12817 marked		
8222	M.S. Butt Hinges (heavy weight) 125x90x4.00 mm I.S: 1341 marked	10 Nos.	230.00
8223	M.S. Butt Hinges (heavy weight) 100x75x3.50 mm I.S: 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. Butt Hinges (heavy weight) 50x40x2.50 mm I.S: 1341 marked	10 Nos.	90.00
8226	Concealed zinc coated hinges 19-20 mm thick with mounting plate	10 Nos.	460.00
8300	PE-AL-PE Composite Pressure Pipe 1216 mm	metre	80.00
8301	PE-AL-PE Composite Pressure Pipe 1620 mm	metre	90.00
8302	PE-AL-PE Composite Pressure Pipe 2025 mm	metre	140.00

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8303	PE-AL-PE Composite Pressure Pipe 2532 mm	metre	180.00
8304	PE-AL-PE Composite Pressure Pipe 3240 mm	metre	280.00
8305	PE- AL-PE composite pressure pipe 4050mm	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
8350	Pipe holding clamps 1216 mm	each	5.00
8351	Pipe holding clamps 1620 mm	each	7.00
8352	Pipe holding clamps 2025 mm	each	9.00
8353	Pipe holding clamps 2532 mm	each	19.00
8354	Pipe holding clamps 3240 mm	each	21.00
8355	Fitting hoding clamps 1216/1620 mm	each	22.00
8356	Equal Tee 1216 mm	each	125.00
8357	Equal Tee 1620 mm	each	160.00
8358	Equal Tee 2025 mm	each	243.00
8359	Equal Tee 2532 mm	each	247.00
8360	Equal Tee 3240 mm	each	377.00
8361	Reducing Tee 1620 x mm with all branches	each	153.00
8363	Reducing Tee 2025 x mm with all branches	each	224.00
8364	Reducing Tee 2532 x mm with all branches	each	332.00
8365	Reducing Tee 3240 x mm with all branches	each	393.00
8366	Female Branch Tee 1216x1216x15 mm thread	each	127.00
8367	Female Branch Tee 1620x1620x15 mm thread	each	147.00
8368	Female Branch Tee 2025x2025x25 mm thread	each	214.00
8369	Female Branch Tee 2532x2532x32 mm thread	each	243.00
8370	Female Branch Tee 3240x3240x40 mm thread	each	294.00
8371	Equal Elbow 2532 mm	each	192.00
8372	Equal Elbow 3240 mm	each	242.00
8373	Female Elbow 1216x15 mm thread	each	86.00
8374	Female Elbow 1620x15 mm thread	each	97.00
8376	Female Elbow 2025x25 mm thread	each	137.00
8378	Female Elbow 3240x40 mm thread	each	233.00
8379	Male Thread Connector 1216x15 mm thread	each	50.00
8380	Male Thread Connector 1620x15 mm thread	each	60.00
8381	Male Thread Connector 1620x20 mm thread	each	64.00
8382	Male Thread Connector 2025x25 mm thread	each	92.00
8383	Male Thread Connector 2532x32 mm thread	each	85.00
8384	Female Thread Connector 3240x40 mm thread	each	209.00
8385	Female Thread Connector 1216x15 mm thread	each	82.00
8386	Female Thread Connector 1620x15 mm thread	each	93.00
8391	Couplers 1216 mm	each	92.00
8392	Couplers 1620 mm	each	113.00
8393	Couplers 2025 mm	each	172.00
3333	Legable 2 222 mm	Cacii	1/2.00

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8394	Couplers 2532 mm	each	186.00
8395	Couplers 3240 mm	each	257.00
8396	Reducers 1620 x 1216 mm	each	103.00
8397	Reducers 2025 x 1216 mm	each	136.00
8398	Reducers 2025 x 1620 mm	each	146.00
8399	Reducers 2532 x mm with all Reduced end	each	168.00
8400	Reducers 3240 x mm with all Reduced end	each	219.00
8500	Water for jetting / blowback	1000 litres	1500.00
8501	Polymer modified cementation coating-	kilogram	140.00
8502	Fibre glass cloth	sqm	32.00
8504	Multi surface paint	litre	336.00
8505	Acrylic exterior paint	litre	240.00
8506	Premium Acrylic exterior paint	litre	245.00
8507	Textured exterior paint	litre	312.00
8508	Primer for cement paint	litre	95.00
8509	Special Primer (C.W.)	litre	162.00
8510	Metal Primer (U.G.)	litre	0.00
8511	Fibre reinforced elastomeric liquid water proofing membrane litre 198.69	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 nos.	42.00
8515	Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long	each	42.00
8516	ZMB 60/equivalent	kg	120.00
8517	ZMB thinner	litre	262.00
8518	Zycoprime / equivalent	litre	280.00
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	250.00
8556	G.I cross-T 15 x32 mm of 1200 mm length, 0.33 mm thick	each	100.00
8557	G.I cross-T 15 x32 mm of 600 mm length, 0.33 mm thick	each	50.00
8558	G.I hanger rod 6mm dia fully threaded upto 1000 mm length	each	50.00
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	580.00
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	850.00
8563	15 mm thick, light weight, integral densified micro look edged, false		230.00
	ceiling tiles of size 595x595 mm.	sqm	750.00
8564	15 mm thick, light weight,fully perforated square/butt edge integral	34	, 50.00
	densified, false ceiling tiles of size 595x595 mm.	sqm	950.00
8565	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000mm	34111	550.00
	length	each	50.00
	rengui	Cacii	30.00

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8566	Powder coated steel section main-T ceiling sections 15x42x0.40 mm		
	(3000 mm long)	each	300.00
8567	Galvanized mild steel perimeter wall angle 22x19x0.40 mm (3000mm long)	each	150.00
8568	Powder coated Galvanised Iron intermediate cross-T section 15x42x		
	0.40 mm (1200 mm long)	each	150.00
8569	Powder coated Galvanized Iron intermediate cross-T section 15x42x		
	0.40mm (600 mm long)	each	80.00
8570	GI Main T ceiling section 30x25x0.3 mm (3 metre long)	each	250.00
8571	GI Perimeter wall angle 25x25x0.4 mm (3 metre long)	each	250.00
8572	GI Intermediate cross T section 25x25x0.3 mm (1.2 metre long)	each	150.00
8573	GI Intermediate cross T section 25x25x0.3 mm (0.6 metre long)	each	75.00
8576	Powder coated Galvanized Iron intermediate cross-T section wire		
	diameter 3.00 mm).	sqm	215.00
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	315.00
8579	Cold form light gauge Steel C-section of thickness 0.75mm i/c zink		
	coating/sliting etc.	kg	165.00
8580	Wastage of cold form light gauge steel	kg	19.00
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	650.00
8583	10 mm thick square edge fully perforated GRG(Glass Fibre Reinforced		
	Gypsum) false celing tiles of Size 595x595 mm	sqm	790.00
8587	Galvanized iron intermediate cross-T section 15x32x0.33 mm (600mm long)	each	80.00
8588	Galavanised MS hanger rod 6mm dia MS fully threaded up to 1000mm length	each	50.00
8589	Calcium Silicate tegular edged celling 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	152.00
8591	Galvanised steel perimeter wall angle size 24x24x0.40 mm		
	(3 .00 metre long)	each	127.00
8592	Galvanised steel intermediate cross T section size 24x25x0.33mm		
	(1.2 metre long)	each	61.00
8593	Galvanised steel intermediate cross T section size	each	34.00
	24x25x0.33 mm (0.6 metre long)		
8594	Galvanised steel soffit cleat size 25x35x1.60 mm	each	4.00
8595	Wooden screws with plastic rawal plugs35 x 8 mm	each	1.50
8596	Galvanised MS 8mm outer diameter M-6 dash fastener 25mm long	each	35.00
8597	G.I. metal Tile Clip in plain Beveled edges global white		
	colour tiles of size 600x600 mm & 0.5 mm thick	sqm.	894.00
8598	G.I. Metal Tile Clip in Perforated Beveled edges global	· · · ·	3530
	white colour tiles of size 600x600 mm and 0.5 mm thick	sqm.	1165.00
8599	G.I Metal Tile Lay-in plain Tegular edge global white	sqm.	705.00
	colour tiles of size 595x595 mm and 0.5 mm thick	34111	, 55.00
8600	G.I Metal Tile Lay- in Perforted Tegular edge global	sqm.	894.00
0000	Out recall the Lay in retrotted regular eage global	Jayiii.	034.00

	white colour tiles of size 595x595 mm and 0.5 mm thick		
8601	PVC Laminated Gypsum tiles (Square edge) of size		
	595x 595 mm and 12.5 mm thick	sqm.	880.00
8602	Gypsum Tiles fully perforated square edges of size		
	595 x 595 mm and 12.5 mm thick	sqm.	380.00
8604	Spring T - section 24x 34 x0.45 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 10x 38x10x0.70 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 meter long)	each	200.00
8612	Perimeter Wall angle 24x24x0.3 mm (3 meter long)	each	120.00
8613	Intermediate Cross T-section 24x25x0.3 mm (1.2 mtrs)long	each	60.00
8614	Intermediate cross T-Section 24x25x0.3 mm (0.6 m long)	each	20.00
8615	Hanger rod 4 mm thick	each	12.00
8616	Adjustment clip 85x30x0.8 mm	each	8.00
8617	Soffit Cleat (size 27x37x25x1.60 mm)	each	5.00
8618	Dash fastener 6mm dia 50 mm long	each	12.00
8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm	each	17.00
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
8625	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	32.00
	16 mm Outer dia		
8626	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	43.00
	20 mm Outer dia		
8627	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	67.00
	25 mm Outer dia		
8628	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	107.00
	32 mm Outer dia		
8629	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	162.00
	40 mm Outer dia		
8630	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	252.00
	50 mm Outer dia		
8631	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	282.00
	65 mm Outer dia		
8632	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	418.00
	75 mm Outer dia		
8633	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	600.00
	90 mm Outer dia		
8634	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	890.00
	110 mm Outer dia		
8635	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) -	metre	2575.00

Chloronated Polyvinyl-Chloride (CPVC) pipe 20 mm outer dia metre 8 8638 Chloronated Polyvinyl-Chloride (CPVC) pipe 25 mm outer dia metre 12 8639 Chloronated Polyvinyl-Chloride (CPVC) pipe 32 mm outer dia metre 23 8640 Chloronated Polyvinyl-Chloride (CPVC) pipe 32 mm outer dia metre 37 8641 Chloronated Polyvinyl-Chloride (CPVC) pipe 50 mm outer dia metre 37 8642 Chloronated Polyvinyl-Chloride (CPVC) pipe 50 mm outer dia metre 79 8643 Chloronated Polyvinyl-Chloride (CPVC) pipe 62.5 mm outer dia metre 79 8644 Chloronated Polyvinyl-Chloride (CPVC) pipe 75 mm outer dia metre 79 8645 Chloronated Polyvinyl-Chloride (CPVC) pipe 100 mm outer dia metre 144 8646 Weather Silicon sealant cartridge 111 8647 Stainless steel screws 30mm x 4mm 100 nos. 60 8648 Weather Silicon sealant cartridge 111 8649 Stainless steel screws 30mm x 4mm 100 nos. 60 8649 Stainless steel screws 30mm x 4mm 100 nos. 60 8649 Stainless steel (SS 304 grade) adjustable friction window each 19 8650 Stainless steel (SS 304 grade) adjustable friction window each 23 8651 Stainless steel (SS 304 grade) adjustable friction window each 20 8652 Stainless steel (SS 304 grade) adjustable friction window each 57 8653 Stainless steel (SS 304 grade) adjustable friction window each 57 8654 Mutoclaved aerated cement (AAC) blocks cum 265 8655 Autoclaved aerated cement (AAC) blocks cum 265 8656 Gypsum panel 666 X 500 X 100 mm size sqm 48 8657 Bonding plaster for Gypsum panel Kllogram 2 8668 Precast C&D waste concrete block 1000 nos 2515 8669 Precast C&D waste concrete block 50 8660 Aluminium casement window fastner (polyester powder coated) each 56 8660 Aluminium casement window fastner (polyester powder coated) each 56 8660 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 8661 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 44 8666 Stainless steel crematick plain FRP sheet 56 8668 UV stablised 2 mm thick corugated FRP sheet				1
Chloronated Polyvinyl-Chloride (CPVC) pipe 20 mm outer dia metre metre metre 12 metre 13 metre 13 metre 13 metre 13 metre 14 metr		160 mm Outer dia		
Chloronated Polyvinyl-Chloride (CPVC) pipe 25 mm outer dia metre 12 8639 Chloronated Polyvinyl-Chloride (CPVC) pipe 32 mm outer dia metre 16 8640 Chloronated Polyvinyl-Chloride (CPVC) pipe 32 mm outer dia metre 23 8641 Chloronated Polyvinyl-Chloride (CPVC) pipe 50 mm outer dia metre 37 8642 Chloronated Polyvinyl-Chloride (CPVC) pipe 50 mm outer dia metre 79 8643 Chloronated Polyvinyl-Chloride (CPVC) pipe 50 mm outer dia metre 79 8643 Chloronated Polyvinyl-Chloride (CPVC) pipe 75 mm outer dia metre 103 8644 Chloronated Polyvinyl-Chloride (CPVC) pipe 75 mm outer dia metre 146 8645 Chloronated Polyvinyl-Chloride (CPVC) pipe 150 mm outer dia metre 146 8646 Weather Silicon sealant cartridge 111 8647 Stainless steel screws 30mm x 4mm 100 nos. 6 8648 Hermetically sealed double glazed unit made with 6 mm 100 nos. 6 8649 Stainless steel (SS 304 grade) adjustable friction window 100 each 100	8636	Chloronated Polyvinyl-Chloride (CPVC) pipe 15 mm outer dia	metre	49.00
Chloronated Polyvinyl-Chloride (CPVC) pipe 32 mm outer dia metre 16 S640 Chloronated Polyvinyl-Chloride (CPVC) pipe 40 mm outer dia metre 23 S641 Chloronated Polyvinyl-Chloride (CPVC) pipe 50 mm outer dia metre 79 S642 Chloronated Polyvinyl-Chloride (CPVC) pipe 62.5 mm outer dia metre 79 S643 Chloronated Polyvinyl-Chloride (CPVC) pipe 75 mm outer dia metre 103 S644 Chloronated Polyvinyl-Chloride (CPVC) pipe 100 mm outer dia metre 146 S645 Chloronated Polyvinyl-Chloride (CPVC) pipe 100 mm outer dia metre 146 S646 Weather Silicon sealant 110 mos. 6 S648 Hermetically sealed double glazed unit made with 6 mm sqm 220 thick clear float glass both side having 12 mm air gap Stainless steel (SS 304 grade) adjustable friction window each 19 stay. 205x19 mm 8 S650 Stainless steel (SS 304 grade) adjustable friction window each 23 stay. 255x19 mm 8 S651 Stainless steel (SS 304 grade) adjustable friction window each 25 stay. 355x19 mm 8 S652 Stainless steel (SS 304 grade) adjustable friction window each 57 stay, 510x19 mm 8 S653 Stainless steel (SS 304 grade) adjustable friction window each 57 stay, 510x19 mm 8 S654 Masking tape metre 8 S655 Autoclaved aerated cement (AAC) blocks cum 265 S656 Gypsum panel 666 X 500 X 100 mm size sqm 48 S657 Bonding plaster for Gypsum panel S658 Precast C&D waste concrete block 1000 nos. 2515. S659 Water proof ply 12 mm thick 8 S669 Water proof ply 12 mm thick 9 S660 Aluminium casement window fastner (anodised AC 15) each 5 S661 Aluminium casement window fastner (powder coated) each 55 S661 Aluminium casement window fastner (powder coated) each 56 S663 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 S663 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 S666 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 S666 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 S666 LUV stablised 2 mm thick plain FRP sheet 50	8637	Chloronated Polyvinyl-Chloride (CPVC) pipe 20 mm outer dia	metre	80.00
Chloronated Polyvinyl-Chloride (CPVC) pipe 40 mm outer dia metre 33 8641 Chloronated Polyvinyl-Chloride (CPVC) pipe 50 mm outer dia metre 37 8642 Chloronated Polyvinyl-Chloride (CPVC) pipe 50 mm outer dia metre 79 8643 Chloronated Polyvinyl-Chloride (CPVC) pipe 75 mm outer dia metre 103 8644 Chloronated Polyvinyl-Chloride (CPVC) pipe 100 mm outer dia metre 113 8645 Chloronated Polyvinyl-Chloride (CPVC) pipe 100 mm outer dia metre 114 8646 Weather Silicon sealant cartridge 11 8647 Stainless steel screws 30 mm x 4 mm 100 nos. 6 8648 Hermetically sealed double glazed unit made with 6 mm 100 nos. 6 8649 Stainless steel (SS 304 grade) adjustable friction window 100 each 100	8638	Chloronated Polyvinyl-Chloride (CPVC) pipe 25 mm outer dia	metre	127.00
Sefat Chloronated Polyvinyl-Chloride (CPVC) pipe 50 mm outer dia metre 79	8639	Chloronated Polyvinyl-Chloride (CPVC) pipe 32 mm outer dia	metre	165.00
Chloronated Polyvinyl-Chloride (CPVC) pipe 62.5 mm outer dia metre 79 8643 Chloronated Polyvinyl-Chloride (CPVC) pipe 75 mm outer dia metre 103 8644 Chloronated Polyvinyl-Chloride (CPVC) pipe 100 mm outer dia metre 146 8645 Chloronated Polyvinyl-Chloride (CPVC) pipe 150 mm outer dia metre 314 8646 Weather Silicon sealant cartridge 111 8647 Stainless steel screws 30mm x 4mm 100 nos. 66 8648 Hermetically sealed double glazed unit made with 6 mm sqm 220 thick clear float glass both side having 12 mm air gap 8649 Stainless steel (SS 304 grade) adjustable friction window stay. 255x19 mm 8650 Stainless steel (SS 304 grade) adjustable friction window each 23 8549 Stainless steel (SS 304 grade) adjustable friction window each 24 8651 Stainless steel (SS 304 grade) adjustable friction window each 57 8652 Stainless steel (SS 304 grade) adjustable friction window each 57 8653 Stainless steel (SS 304 grade) adjustable friction window each 100 8654 Masking tape metre 8655 Autoclaved aerated cement (AAC) blocks Cypsum panel 666 X 500 X 100 mm size sqm 48 8657 Bonding plaster for Gypsum panel Kilogram 2 8658 Precast C&D waste concrete block 1000 nos. 2515 8659 Water proof ply 12 mm thick 1000 nos. 2515 8660 Aluminium casement window fastner (powder coated) each 56 8661 Aluminium casement window fastner (powder coated) each 56 8662 Aluminium round shape handle (polyester powder coated) each 66 8663 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 8666 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 8666 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 8666 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 8667 UV stablised 2 mm thick plain FRP sheet 98	8640	Chloronated Polyvinyl-Chloride (CPVC) pipe 40 mm outer dia	metre	230.00
Chloronated Polyvinyl-Chloride (CPVC) pipe 75 mm outer dia metre 103	8641	Chloronated Polyvinyl-Chloride (CPVC) pipe 50 mm outer dia	metre	375.00
R644 Chloronated Polyvinyl-Chloride (CPVC) pipe 100 mm outer dia metre metre metre cartridge cartridge 11	8642	Chloronated Polyvinyl-Chloride (CPVC) pipe 62.5 mm outer dia	metre	793.00
R645 Chloronated Polyvinyl-Chloride (CPVC) pipe 150 mm outer dia metre 314 R646 Weather Silicon sealant cartridge 11 R647 Stainless steel screws 30mm x 4mm 100 nos. 6 R648 Hermetically sealed double glazed unit made with 6 mm sqm 220 R649 Stainless steel (SS 304 grade) adjustable friction window each 19 R650 Stainless steel (SS 304 grade) adjustable friction window each 23 R651 Stainless steel (SS 304 grade) adjustable friction window each 20 R652 Stainless steel (SS 304 grade) adjustable friction window each 57 R653 Stainless steel (SS 304 grade) adjustable friction window each 57 R653 Stainless steel (SS 304 grade) adjustable friction window each 57 R654 Masking tape metre R655 Autoclaved aerated cement (AAC) blocks cum 265 R656 Gypsum panel 666 X 500 X 100 mm size sqm 48 R657 Bonding plaster for Gypsum panel Kilogram 2 R658 Precast CRD waste concrete block 1000 nos. 2515 R659 Water proof ply 12 mm thick sqm 54 R660 Aluminium casement window fastner (powder coated) each 55 R661 Aluminium casement window fastner (polyester powder coated) each 56 R663 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 R664 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 R666 UV stablised 2 mm thick plain FRP sheet sqm 55	8643	Chloronated Polyvinyl-Chloride (CPVC) pipe 75 mm outer dia	metre	1031.00
Stainless steel (SS 304 grade) adjustable friction window stay. 255x19 mm	8644	Chloronated Polyvinyl-Chloride (CPVC) pipe 100 mm outer dia	metre	1466.00
8647 Stainless steel screws 30mm x 4mm 100 nos. 6 8648 Hermetically sealed double glazed unit made with 6 mm sqm 220 8649 Stainless steel (SS 304 grade) adjustable friction window each 19 8650 Stainless steel (SS 304 grade) adjustable friction window each 23 8651 Stainless steel (SS 304 grade) adjustable friction window each 20 8652 Stainless steel (SS 304 grade) adjustable friction window each 57 8653 Stainless steel (SS 304 grade) adjustable friction window each 100 8654 Masking tape metre 8655 Autoclaved aerated cement (AAC) blocks cum 265 8656 Gypsum panel 666 X 500 X 100 mm size sqm 48 8657 Bonding plaster for Gypsum panel Kilogram 2 8658 Precast C&D waste concrete block 1000 nos. 2515 8659 Water proof ply 12 mm thick sqm 54 8660 Aluminium casement window fastner (powder coated) each 5 8661 Aluminium round shape handle (anodised AC 15) outer dia 100 mm each 6 <td>8645</td> <td>Chloronated Polyvinyl-Chloride (CPVC) pipe 150 mm outer dia</td> <td>metre</td> <td>3145.00</td>	8645	Chloronated Polyvinyl-Chloride (CPVC) pipe 150 mm outer dia	metre	3145.00
Hermetically sealed double glazed unit made with 6 mm thick clear float glass both side having 12 mm air gap Stainless steel (SS 304 grade) adjustable friction window stay. 205x19 mm Stainless steel (SS 304 grade) adjustable friction window each 23 stay. 255x19 mm Stainless steel (SS 304 grade) adjustable friction window each 20 stay. 255x19 mm Stainless steel (SS 304 grade) adjustable friction window each 57 stay. 355x19 mm Stainless steel (SS 304 grade) adjustable friction window each 57 stay. 510x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 mm stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 mm 100 nos. 2515 stay 100x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 nos. 2515 stay 100x19 mm Stainless Steel (SS 304 grade) adjustable friction window each 100 mm 100x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 mm 100 nos. 4 stay 100x19 mm 100 nos. 100x19 mm 100 nos. 100x19 mm 100 nos. 100x19 mm 1000 mm 100x19 mm 1000 nos. 100x19 mm 1000 mm 100x19 mm 1000 mm 100x19 mm 1000m 100m 100m 100m 100m 100m 100	8646	Weather Silicon sealant	cartridge	112.00
thick clear float glass both side having 12 mm air gap 8649 Stainless steel (SS 304 grade) adjustable friction window stay. 205x19 mm 8650 Stainless steel (SS 304 grade) adjustable friction window each 23 stay. 255x19 mm 8651 Stainless steel (SS 304 grade) adjustable friction window each 20 stay. 355x19 mm 8652 Stainless steel (SS 304 grade) adjustable friction window each 57 stay. 355x19 mm 8653 Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm 8654 Masking tape metre 8655 Autoclaved aerated cement (AAC) blocks cum 265 8656 Gypsum panel 666 X 500 X 100 mm size sqm 48 8657 Bonding plaster for Gypsum panel Kilogram 2 8658 Precast C&D waste concrete block 1000 nos. 2515 8659 Water proof ply 12 mm thick sqm 54 8660 Aluminium casement window fastner (anodised AC 15) each 55 8661 Aluminium casement window fastner (powder coated) each 55 8663 Aluminium casement window fastner (polyester powder coated) each 56 8664 Aluminium round shape handle (anodised AC 15) outer dia 100 mm each 66 8665 Aluminium round shape handle (powder coated) outer dia 100 mm each 66 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 48 8667 UV stablised 2 mm thick corugated FRP sheet sqm 55	8647	Stainless steel screws 30mm x 4mm	100 nos.	60.00
Stainless steel (SS 304 grade) adjustable friction window stay. 205x19 mm Stainless steel (SS 304 grade) adjustable friction window each 23 stay. 255x19 mm Stainless steel (SS 304 grade) adjustable friction window each 20 stay. 355x19 mm Stainless steel (SS 304 grade) adjustable friction window each 57 stay. 355x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 510x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stare (amodised AC 15) window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stare (amodised AC 15) window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stare (amodised AC 15) window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window steel stay.	8648	Hermetically sealed double glazed unit made with 6 mm	sqm	2200.00
stay. 205x19 mm Stainless steel (SS 304 grade) adjustable friction window each 23 stay. 255x19 mm Stainless steel (SS 304 grade) adjustable friction window each 20 stay. 355x19 mm Stainless steel (SS 304 grade) adjustable friction window each 57 stay. 510x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Masking tape metre cum 265 Gypsum panel 666 X 500 X 100 mm size sqm 48 8657 Bonding plaster for Gypsum panel Kilogram 2 8658 Precast C&D waste concrete block 1000 nos. 2515 Water proof ply 12 mm thick sqm 54 8660 Aluminium casement window fastner (anodised AC 15) each 5 8661 Aluminium casement window fastner (powder coated) each 5 8662 Aluminium casement window fastner (polyester powder coated) each 5 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm each 6 8664 Aluminium round shape handle (powder coated) outer dia 100 mm each 6 8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 6 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick plain FRP sheet sqm 55		thick clear float glass both side having 12 mm air gap		
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stay. 255x19 mm 8651 Stainless steel (SS 304 grade) adjustable friction window stay. 355x19 mm 8652 Stainless steel (SS 304 grade) adjustable friction window each 57 stay. 510x19 mm 8653 Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm 8654 Masking tape metre 8655 Autoclaved aerated cement (AAC) blocks cum 265 8656 Gypsum panel 666 X 500 X 100 mm size sqm 48 8657 Bonding plaster for Gypsum panel Kilogram 2 8658 Precast C&D waste concrete block 1000 nos. 2515 8659 Water proof ply 12 mm thick sqm 54 8660 Aluminium casement window fastner (anodised AC 15) each 55 8661 Aluminium casement window fastner (powder coated) each 55 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm each 66 8664 Aluminium round shape handle (powder coated) outer dia 100 mm each 66 8665 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick corugated FRP sheet sqm 55		stay. 205x19 mm		
Stainless steel (SS 304 grade) adjustable friction window stay. 355x19 mm Stainless steel (SS 304 grade) adjustable friction window each 57 stay. 510x19 mm Stainless steel (SS 304 grade) adjustable friction window each 100 stay. 710x19 mm Stay. 710x19 mm Masking tape metre Autoclaved aerated cement (AAC) blocks cum 265 Gypsum panel 666 X 500 X 100 mm size sqm 48 Bonding plaster for Gypsum panel Kilogram 2 Precast C&D waste concrete block 1000 nos. 2515 Water proof ply 12 mm thick sqm 54 Aluminium casement window fastner (anodised AC 15) each 55 Aluminium casement window fastner (powder coated) each 55 Boff Aluminium round shape handle (anodised AC 15) outer dia 100 mm each 66 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 66 Stainless steel screws 25 mm x 4 mm 100 nos. 4 Boff UV stablised 2 mm thick corugated FRP sheet sqm 55	8650	Stainless steel (SS 304 grade) adjustable friction window	each	235.00
stay. 355x19 mm 8652 Stainless steel (SS 304 grade) adjustable friction window stay. 510x19 mm 8653 Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm 8654 Masking tape 8655 Autoclaved aerated cement (AAC) blocks 8656 Gypsum panel 666 X 500 X 100 mm size 8657 Bonding plaster for Gypsum panel 8658 Precast C&D waste concrete block 8659 Water proof ply 12 mm thick 8660 Aluminium casement window fastner (anodised AC 15) 8661 Aluminium casement window fastner (powder coated) 8662 Aluminium casement window fastner (powder coated) 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm 8664 Aluminium round shape handle (powder coated) outer dia 100 mm 8665 Aluminium round shape handle (powder coated) outer dia 100 mm 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick plain FRP sheet 8678 Stainless steel 2 mm thick corugated FRP sheet		stay. 255x19 mm		
Stainless steel (SS 304 grade) adjustable friction window stay. 510x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm Masking tape Masking tape Moster of Gypsum panel 666 X 500 X 100 mm size Bonding plaster for Gypsum panel Mater proof ply 12 mm thick Mater proof ply 12 mm thick Aluminium casement window fastner (powder coated) Aluminium casement window fastner (powder coated) Aluminium round shape handle (powder coated) outer dia 100 mm Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm Bota Aluminium round shape handle (powder coated) outer dia 100 mm	8651	Stainless steel (SS 304 grade) adjustable friction window	each	205.00
stay. 510x19 mm Stainless steel (SS 304 grade) adjustable friction window stay. 710x19 mm 8654 Masking tape 8655 Autoclaved aerated cement (AAC) blocks 8656 Gypsum panel 666 X 500 X 100 mm size 8657 Bonding plaster for Gypsum panel 8658 Precast C&D waste concrete block 8659 Water proof ply 12 mm thick 8660 Aluminium casement window fastner (anodised AC 15) 8661 Aluminium casement window fastner (powder coated) 8662 Aluminium casement window fastner (polyester powder coated) 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm 8664 Aluminium round shape handle (powder coated) outer dia 100 mm 8665 Aluminium round shape handle (polyester powder coated) 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick corugated FRP sheet 968 Stainless 25 mm thick corugated FRP sheet		stay. 355x19 mm		
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stay. 710x19 mm 8654 Masking tape 8655 Autoclaved aerated cement (AAC) blocks 8656 Gypsum panel 666 X 500 X 100 mm size 8657 Bonding plaster for Gypsum panel 8658 Precast C&D waste concrete block 8659 Water proof ply 12 mm thick 8660 Aluminium casement window fastner (anodised AC 15) 8661 Aluminium casement window fastner (powder coated) 8662 Aluminium casement window fastner (polyester powder coated) 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm 8664 Aluminium round shape handle (powder coated) outer dia 100 mm 8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick corugated FRP sheet 965		stay. 510x19 mm		
Masking tape Autoclaved aerated cement (AAC) blocks Cum Cum Cum Cum Cum Cum Cum Cu	8653	Stainless steel (SS 304 grade) adjustable friction window	each	1000.00
Autoclaved aerated cement (AAC) blocks 8656 Gypsum panel 666 X 500 X 100 mm size 8657 Bonding plaster for Gypsum panel 8658 Precast C&D waste concrete block 8659 Water proof ply 12 mm thick 8660 Aluminium casement window fastner (anodised AC 15) 8661 Aluminium casement window fastner (powder coated) 8662 Aluminium casement window fastner (polyester powder coated) 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm 8664 Aluminium round shape handle (powder coated) outer dia 100 mm 8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick plain FRP sheet 508		stay. 710x19 mm		
8656Gypsum panel 666 X 500 X 100 mm sizesqm488657Bonding plaster for Gypsum panelKilogram28658Precast C&D waste concrete block1000 nos.25158659Water proof ply 12 mm thicksqm548660Aluminium casement window fastner (anodised AC 15)each58661Aluminium casement window fastner (powder coated)each58662Aluminium casement window fastner (polyester powder coated)each58663Aluminium round shape handle (anodised AC 15) outer dia 100 mmeach68664Aluminium round shape handle (powder coated) outer dia 100 mmeach68665Aluminium round shape handle (polyester powder coated) outer dia 100 mmeach68666Stainless steel screws 25 mm x 4 mm100 nos.48667UV stablised 2 mm thick plain FRP sheetsqm508668UV stablised 2 mm thick corugated FRP sheetsqm55	8654	Masking tape	metre	2.18
Bonding plaster for Gypsum panel Rilogram Precast C&D waste concrete block Water proof ply 12 mm thick Sqm S4 8660 Aluminium casement window fastner (anodised AC 15) R661 Aluminium casement window fastner (powder coated) R662 Aluminium casement window fastner (polyester powder coated) R663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm R664 R665 Aluminium round shape handle (powder coated) outer dia 100 mm R665 R666 Stainless steel screws 25 mm x 4 mm R667 BOND NOS BOND NOS WIV stablised 2 mm thick plain FRP sheet Sqm S5 S5 S658 STAIN STAN STAN STAN STAN STAN STAN STAN STA	8655	Autoclaved aerated cement (AAC) blocks	cum	2650.00
Precast C&D waste concrete block 8659 Water proof ply 12 mm thick 8660 Aluminium casement window fastner (anodised AC 15) 8661 Aluminium casement window fastner (powder coated) 8662 Aluminium casement window fastner (polyester powder coated) 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm 8664 Aluminium round shape handle (powder coated) outer dia 100 mm 8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick plain FRP sheet 8qm 50 8d68	8656	Gypsum panel 666 X 500 X 100 mm size	sqm	480.00
Water proof ply 12 mm thick 8660 Aluminium casement window fastner (anodised AC 15) 8661 Aluminium casement window fastner (powder coated) 8662 Aluminium casement window fastner (polyester powder coated) 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm 8664 Aluminium round shape handle (powder coated) outer dia 100 mm 8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick plain FRP sheet Sqm 50 859	8657	Bonding plaster for Gypsum panel	Kilogram	25.50
Aluminium casement window fastner (anodised AC 15) 8661 Aluminium casement window fastner (powder coated) 8662 Aluminium casement window fastner (polyester powder coated) 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm 8664 Aluminium round shape handle (powder coated) outer dia 100 mm 8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 48667 UV stablised 2 mm thick plain FRP sheet Sqm 50 855	8658	Precast C&D waste concrete block	1000 nos.	25150.00
Aluminium casement window fastner (powder coated) 8662 Aluminium casement window fastner (polyester powder coated) 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm 8664 Aluminium round shape handle (powder coated) outer dia 100 mm 8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 48667 UV stablised 2 mm thick plain FRP sheet 8068 UV stablised 2 mm thick corugated FRP sheet 807 Stainless steel screws 25 mm x 4 mm 80868 UV stablised 2 mm thick corugated FRP sheet 809 Stainless steel screws 25 mm x 4 mm 809 Stainless steel screws 25 mm x 4 mm 809 Stainless steel screws 25 mm x 4 mm 809 Stainless steel screws 25 mm thick plain FRP sheet 800 Stainless steel screws 25 mm thick plain FRP sheet	8659	Water proof ply 12 mm thick	sqm	540.00
Aluminium casement window fastner (polyester powder coated) 8663 Aluminium round shape handle (anodised AC 15) outer dia 100 mm 8664 Aluminium round shape handle (powder coated) outer dia 100 mm 8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick plain FRP sheet 808 Stainless 2 mm thick corugated FRP sheet 809 Stainless 3 mm thick corugated 5 mm thick co	8660	Aluminium casement window fastner (anodised AC 15)	each	50.00
Aluminium round shape handle (anodised AC 15) outer dia 100 mm each 6 8664 Aluminium round shape handle (powder coated) outer dia 100 mm each 6 8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 6 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick plain FRP sheet sqm 50 8668 UV stablised 2 mm thick corugated FRP sheet sqm 55	8661	Aluminium casement window fastner (powder coated)	each	50.00
Aluminium round shape handle (powder coated) outer dia 100 mm each 6 8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 6 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick plain FRP sheet 8688 UV stablised 2 mm thick corugated FRP sheet 850	8662	Aluminium casement window fastner (polyester powder coated)	each	55.00
8665 Aluminium round shape handle (polyester powder coated) outer dia 100 mm each 6 8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick plain FRP sheet sqm 50 8668 UV stablised 2 mm thick corugated FRP sheet sqm 55	8663	Aluminium round shape handle (anodised AC 15) outer dia 100 mm	each	60.00
8666 Stainless steel screws 25 mm x 4 mm 100 nos. 4 8667 UV stablised 2 mm thick plain FRP sheet sqm 50 8668 UV stablised 2 mm thick corugated FRP sheet sqm 55	8664	Aluminium round shape handle (powder coated) outer dia 100 mm	each	65.00
8667 UV stablised 2 mm thick plain FRP sheet sqm 50 UV stablised 2 mm thick corugated FRP sheet sqm 55	8665	Aluminium round shape handle (polyester powder coated) outer dia 100 mm	each	65.00
8668 UV stablised 2 mm thick corugated FRP sheet sqm 55	8666	Stainless steel screws 25 mm x 4 mm	100 nos.	45.00
	8667	UV stablised 2 mm thick plain FRP sheet	sqm	500.00
9550 Mangalaya yidaa tilaa 20 mm thiak	8668	UV stablised 2 mm thick corugated FRP sheet	sqm	550.00
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				9.00
				400.00
			-	270.00
				275.00
				470.00
				280.00

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8676	Precoated galvanised steel barge board (upto 300mm)	metre	230.00
8677	Precoated galvanised steel crimp curve	metre	235.00
8678	1 mm thick 35 mm wide bright finished stainless steel piano hinges	metre	47.00
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	375.00
8686	Precast C.C. kerb stone M-25	cum	5600.00
8687	Thermo plastic paint	kilogram	66.00
8688	Glass beads	kilogram	72.00
8689	Interlocking C.C. paver block (60 mm thick, M-30)	sqm	400.00
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	bundle	600.00
	(Total length 90 m)		
8692	RBT reinforced barbed wire	metre	7.00
8693	Turn buckle & strengthening bolt	each set	52.00
8694	Precast pavement slab 450x450x50 mm (M-30)	each	135.00
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 fancing mesh of size 50x50 mm made of	sqm	330.00
	G.I. wire of dia 4mm, PVC coated to outer dia 5 mm		
8697	Chain link fabric fancing mesh of size 25x25 mm made of	sqm	385.00
	G.I. wire of dia 3mm		
8698	Stainless steel cramps (weight 260 gms) with nuts, bolt	each	115.00
	and washers for dry stone cladding,		
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	metre	620.00
	standard 48.60 mm outer dia		
8702	Coupling/Socket fittings for 15.88 mm outer dia SS pipe	each	60.00
8703	Telescopic drawer channels 300 mm long	set	270.00
8704	Stainless steel roller for sliding arrangement in racks/	each	13.00
	cupboards / cabinet shutters		
8705	50 mm x 42 mm x 2 mm thick factory made door frame	metre	180.00
0.00	of PVC extruded section in white, grey or wooden finish		200.00
8706	25 mm thick factory made PVC flush door shutter I/c carriage	sqm	2115.00
8707	Factory made glass reinforced plastic door frame 90x45mm	metre	516.00
0,0,	I/c carriage	metre	310.00
8708	30 mm factory made glass fibre reinforced plastic panel	sqm	2510.00
0700	door shutter I/c carriage	Sqiii	2310.00
8709	30mm thick factory made solid PVC profile panelled		
8709			
	door single piece extruded profile decorative finish	sam	2540.00
8710	(wood grain printed on both side)	sqm.	2540.00 340.00
	Factory made solid PVC door frame 60x30 mm I/c carrriage	metre	
8711	20 mm factory made solid PVC panel door shutter i/c carriage	sqm	2190.00
8712	30 mm thick factory made solid PVC profile panelled door single		2200.00
0740	piece extruded profile non decorative finish.	sqm.	2200.00
8713	Fibre glass reinforced plastic chajja	sqm	3400.00

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8714	Magnetic catcher triple strip vertical type	each	30.00
8715	Magnetic catcher double strip horizontal type	each	25.00
8716	100 mm mortice lock with 6 levers for aluminium door	each	432.00
8717	12.5 mm thick glass fibre reinforced Gypsum board	sqm	0.00
8719	2nd class teak wood moulded beading or Taj beading/ornamental	metre	35.00
	bleading of size 18X5 mm		
8720	Ceiling sections 0.55 mm thick having a knurled web of	metre	44.00
	51.55 mm & two flanges of 26 mm each with lips of 10.5mm		
8721	Perimeter channel having one flange of 20 mm & another	metre	27.00
	flange of 30 mm with thickness of 0.55 mm & web of length 27 mm		
8722	Nylon sleeves & wooden screws (40 mm)	each	2.60
8723	Counter sunk ribbed head screw 25 mm	cent	95.00
8724	12 mm thick marin plywood conforming to IS:710	sqm	820.00
8725	12 mm thick fire retardant plywood conforming to IS:5509	sqm	912.00
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 fibre reinforced plastic	sqm	2675.00
	flush door shutter I/c carriage		
8731	High polymer modified quick set tile adhesive	kg	9.00
8732	Synthetic Polyster Triangular fibre of length 12mm	Kg	370.00
	effective diameter 10-40 microns and specific gravity		
	1:34 to 1:40		
8733	Synthetic Polyster Triangular fibre of length 6 mm	Kg	410.00
	effective diametre 10-40 microns and specific fravity		
	1:34 to 1:40		
8734	P.V.C Single piece extruded door frame of profile size		
	50 mm x 47 mm with wall thickness of 5 mm	metre	265.00
8735	35 mm thick factory made solid panel PVC door shutter		
	of single piece extruded prifile 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	sqm	413.00
	and 0.50 mm dia wire.		
8738	Factory made door frame fire rated (60 minutes)		
	made with 16 SWG G.1.sheet of section 143 mmx57mm		
	duly filled with vermuculite 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 class panes 6 mm thick (60 minutes)	sqm	21500.00
8742	G.I. U beading of 16 SWG G.I. sheet (zinc. Coatted > 120 gm/m2)		
1	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
0777	rame bar / raterr (Double point)	Cacil	J200.00

8745	65 mm x 55 mm x 2mm 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 \times 53 mm \times 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 factor 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	each	60.00
	40 Kg) for uPVC sliding window		
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight	each	105.00
	bearing capacity to be 120 Kg) for uPVC sliding door/window		
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 19x 1.9 mm for		
	u PVC windows	each	212.00
8756	Stainless steel friction hinge of size 250 mm x 19 x1.9 mm		
	for u PVC 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	sq metre	22500.00
	both integrity and radiation control (EW 60) and minimum 20 minutes of		
	insulation (EI 20)		
8761	Scaffolding net made of high density polyethylene UV stabilized having		
	density 100gm/ sqm.	metre	21.50
8762	u PVC extruded profile casement window mullion (intermediate		
	section) (66 mmx 50 mm)	metre	168.00
8763	u PVC extruded profile casement window, T profile (one vertical		
	length in between two shutters) (24mm x 34.5mm)	metre	46.00
8764	u PVC extruded profile casement window, glazing bead (12mm x18 mm)	metre	46.00
8765	u PVC extruded profile casement window, Frame (67 mm x 62 mm)	metre	211.00
8766	u PVC extruded profile casement window sash / Mullion (67 mmx		
	75 mm) (style , rail and inter mediate section)	metre	236.00
8767	u PVC extruded profile casement window glazing bead (35 mmx18 mm)	metre	77.00
8768	u PVC extruded profile Two Track Sliding frame (67 mm x 52 mm)	metre	222.00
8769	u PVC extruded profile Sliding window Sash (60 mm x 44 mm)	metre	206.00
8770	u PVC extruded profile Sliding interlock for window (one vertical		
	length in each shutter) (45.5 mm x 28 mm)	metre	46.00
8771	u PVC extruded profile Sliding Door Sash (80 mm x 44 mm)	metre	258.00
8772	Aluminium Track on bottom rail for u PVC window	metre	30.00
8773	Wool pile/ weather pile strip for uPVC sliding window	metre	20.00

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8774	Aluminium Grill as per IS 1868	kg	279.00
8775	Steel Galvanised tubular reinforcement for u PVC 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	metre	140.00
	standard 15.88 mm outer dia		
8780	SS pipe 304 grades with press fit technology as per JIS 3448	metre	250.00
	standard 22.22 mm outer dia		
8781	SS pipe 304 grades with press fit technology as per JIS 3448	metre	310.00
	standard 28.58 mm outer dia		
8782	SS pipe 304 grades with press fit technology as per JIS 3448	metre	439.50
	standard 34.00 mm outer dia		
8783	SS pipe 304 grades with press fit technology as per JIS 3448	metre	450.00
	standard 42.70 mm outer dia		
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
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	390.00
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		290.00
8833		each	440.00
	Reducing Tee for 34.00 mm X 15.88 mm outer dia SS pipe	each	
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 48.60 mm X 34.00 mm outer dia SS pipe	each	895.00
8844	Reducing Tee for 48.60 mm X 42.70 mm outer dia SS pipe	each	895.00
	Item 8845 to 8944 of STAINLESS STEEL		
8845	Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	185.00
8846	Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	215.00
8847	Male thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	215.00
8848	Male thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	295.00
8849	Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	295.00
8850	Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	295.00
8851	Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	465.00
8852	Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	465.00
8853	Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	465.00
8854	Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	465.00
8855	Male thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	710.00
8856	Male thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	710.00
8857	Male thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	710.00
8858	Male thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	710.00
8859	Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	710.00
8860	Male thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	895.00
8861	Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	895.00

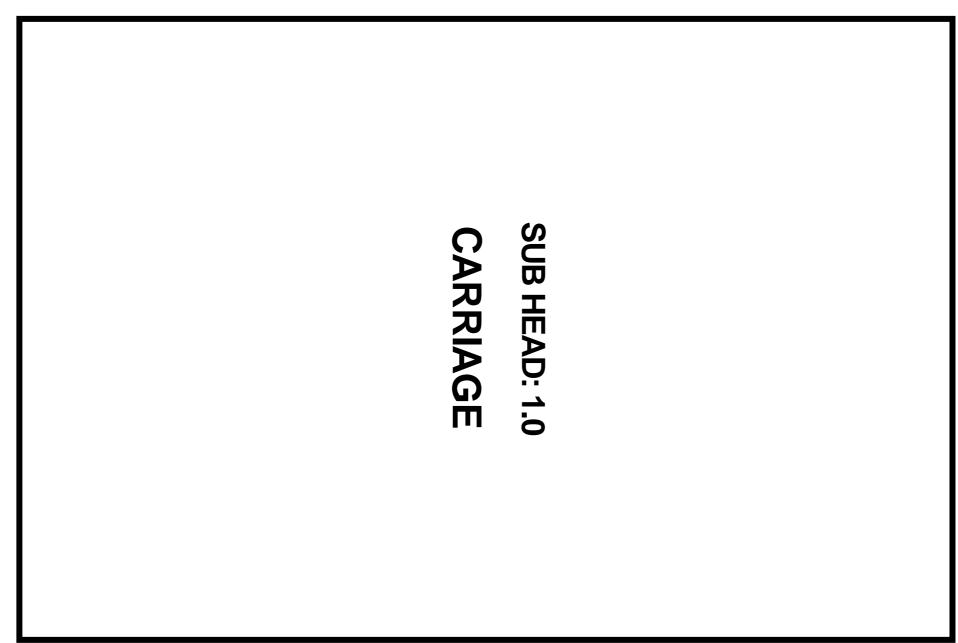
8862	Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	895.00
8863	Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	895.00
8864	Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	895.00
8865	Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	895.00
8866	Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	185.00
8867	Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	205.00
8868	Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	205.00
8869	Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	275.00
8870			275.00
	Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	
8871	Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	275.00
8872	Female thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	445.00
8873	Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	445.00
8874	Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	445.00
8875	Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	445.00
8876	Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	700.00
8877	Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	700.00
8878	Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	700.00
8879	Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	700.00
8880	Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	700.00
8881	Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	905.00
8882	Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	905.00
8883	Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	905.00
8884	Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	905.00
8885	Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	905.00
8886	Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	905.00
8887	Female threaded Connector/Adapter for 15.88 mm outer dia X 15 mm	each	195.00
	nominal threaded		
8888	Female threaded Connector/Adapter for 22.22 mm outer dia X 15 mm	each	230.00
	nominal threaded		
8889	Female threaded Connector/Adapter for 22.22 mm outer dia X 20 mm	each	240.00
0003	nominal threaded	Cacii	210.00
8890		on ch	277.00
0090	Female threaded Connector/Adapter for 28.58 mm outer dia X 15 mm	each	277.00
	nominal threaded		
8891	Female threaded Connector/Adapter for 28.58 mm outer dia X 20 mm	each	290.00
	nominal threaded		
8892	Female threaded Connector/Adapter for 28.58 mm outer dia X 25 mm	each	355.00
	nominal threaded		
8893	Female threaded Connector/Adapter for 34.00 mm outer dia X 25 mm	each	410.00
	nominal threaded		
8894	Female threaded Connector/Adapter for 34.00 mm outer dia X 32 mm	each	540.00
	nominal threaded		
8895	Female threaded Connector/Adapter for 42.70 mm outer dia X 32 mm	each	595.00
	nominal threaded		233.00
8896		each	695.00
0050	Female threaded Connector/Adapter for 42.70 mm outer dia X 40 mm	each	095.00
0007	nominal threaded		0.17.65
8897	Female threaded Connector/Adapter for 48.60 mm outer dia X 40 mm	each	845.00
	nominal threaded		

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8898	Female threaded Connector/Adapter for 48.60 mm outer dia X 50 mm	each	975.00
	nominal threaded		
8899	Male threaded Connector/Adapter for 15.88 mm outer dia X 15 mm	each	195.00
	nominal threaded		
8900	Male threaded Connector/Adapter for 22.22 mm outer dia X 15 mm	each	230.00
	nominal threaded		
8901	Male threaded Connector/Adapter for 22.22 mm outer dia X 20 mm	each	255.00
	nominal threaded		
8902	Male threaded Connector/Adapter for 28.58 mm outer dia X 20 mm	each	325.00
	nominal threaded		
8903	Male threaded Connector/Adapter for 28.58 mm outer dia X 25 mm	each	325.00
2224	nominal threaded		475.00
8904	Male threaded Connector/Adapter for 34.00 mm outer dia X 25 mm	each	475.00
0005	nominal threaded	1	565.00
8905	Male threaded Connector/Adapter for 34.00 mm outer dia X 32 mm	each	565.00
9006	nominal threaded	on sh	640.00
8906	Male threaded Connector/Adapter for 42.70 mm outer dia X 32 mm	each	649.00
0007	nominal threaded		720.00
8907	Male threaded Connector/Adapter for 42.70 mm outer dia X 40 mm	each	730.00
8908	nominal threaded	on ab	050.00
0900	Male threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded	each	850.00
8909	Male threaded Connector/Adapter for 48.60 mm outer dia X 50 mm	each	1140.00
8909	nominal threaded	eacii	1140.00
8910	Valve Connector for 15.88 mm outer dia X 15 mm nominal dia threaded	each	235.00
8911	Valve Connector for 22.22 mm outer dia X 15 mm nominal dia threaded	each	280.00
8912	Valve Connector for 22.22 mm outer dia X 20 mm nominal dia threaded	each	310.00
8913	Valve Connector for 28.58 mm outer dia X 25 mm nominal dia threaded	each	425.00
8914	Valve Connector for 34.00 mm outer dia X 32 mm nominal dia threaded	each	645.00
8915	Valve Connector for 42.70 mm outer dia X 40 mm nominal dia threaded	each	880.00
8916	Valve Connector for 48.60 mm outer dia X 50 mm nominal dia threaded	each	1210.00
8917	Female Threaded Elbow 90° for 15.88 mm outer dia X 15 mm	each	160.00
	nominal dia threaded		
8918	Female Threaded Elbow 90° for 22.22 mm outer dia X 15 mm	each	215.00
	nominal dia threaded		
8919	Female Threaded Elbow 90° for 22.22 mm outer dia X 20 mm	each	215.00
	nominal dia threaded		
8920	Female Threaded Elbow 90° for 28.58 mm outer dia X 25 mm	each	215.00
	nominal dia threaded		
8921	Female Threaded Elbow 90° for 34.00 mm outer dia X 32 mm	each	295.00
	nominal dia threaded		
8922	Female Threaded Elbow 90° for 42.70 mm outer dia X 32 mm	each	480.00
	nominal dia threaded		
8923	Female Threaded Elbow 90° for 42.70 mm outer dia X 40 mm	each	480.00
	nominal dia threaded		
8924	Female Threaded Elbow 90° for 48.60 mm outer dia X 40 mm	each	710.00
	nominal dia threaded		

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8925	Female Threaded Elbow 90° for 48.60 mm outer dia X 50 mm	each	710.00
	nominal dia threaded		
8926	Male Threaded Elbow 90° for 15.88 mm outer dia X 15 mm	each	195.00
	nominal dia threaded		
8927	Male Threaded Elbow 90° for 22.22 mm outer dia X 15 mm	each	225.00
	nominal dia threaded		
8928	Male Threaded Elbow 90° for 22.22 mm outer dia X 20 mm	each	225.00
	nominal dia threaded		
8929	Male Threaded Elbow 90° for 28.58 mm outer dia X 25 mm	each	225.00
	nominal dia threaded		
8930	Male Threaded Elbow 90° for 34.00 mm outer dia X 25 mm	each	290.00
	nominal dia threaded		
8931	Male Threaded Elbow 90° for 34.00 mm outer dia X 32 mm	each	290.00
	nominal dia threaded		
8932	Male Threaded Elbow 90° for 42.70 mm outer dia X 32 mm	each	480.00
	nominal dia threaded		
8933	Male Threaded Elbow 90° for 42.70 mm outer dia X 40 mm	each	480.00
	nominal dia threaded		
8934	Male Threaded Elbow 90° for 48.60 mm outer dia X 40 mm	each	695.00
	nominal dia threaded		
8935	Male Threaded Elbow 90° for 48.60 mm outer dia X 50 mm	each	695.00
	nominal dia threaded		
8936	Cap for 15.88 mm outer dia pipe	each	48.00
8937	Cap for 22.22 mm outer dia pipe	each	70.00
8938	Cap for 28.58 mm outer dia pipe	each	90.00
8939	Cap for 34.00 mm outer dia pipe	each	175.00
8940	Cap for 42.70 mm outer dia pipe	each	250.00
8941	Cap for 48.60 mm outer dia pipe	each	325.00
8942	Pipe Bridge for 15.88 mm outer dia pipe	each	220.00
8943	Pipe Bridge for 22.22 mm outer dia pipe	each	290.00
8944	Pipe Bridge for 28.58 mm outer dia pipe	each	415.00
8945	4 Point facade glass bracket without flat head bolts	Nos.	3318.00
8946	2 Point facade glass bracket (wall mounted with out flat head bolt)	Nos.	1659.00
8947	1 Point facade glass bracket (wall mounted with out flat head bolt)	Nos.	1300.00
8948	Flate head bolt for brackets of spider glazing	Nos.	651.00
8949	400 mm long fin plate without fastners	pair	5931.00
8953	Micro Silica	kg	28.00
8954	Stop end tubes for diaphragmwall 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	sqm	290.00
	the longitudinal and transverse direction		

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/m2		
	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 having Ultimate tensile strength- 150 kN/m	sqm	210.00
8964	Synthetic Geogrid having Ultimate tensile strength- 200 kN/m	sqm	340.00
8965	Synthetic Geogrid having Ultimate tensile strength- 250 kN/m	sqm	350.00
8966	Synthetic Geogrid having Ultimate tensile strength- 300 kN/m	sqm	360.00
8967	Synthetic Geogrid having Ultimate tensile strength- 350 kN/m	sqm	370.00
8968	Synthetic Geogrid having Ultimate tensile strength- 400 kN/m	sqm	450.00
8969	Synthetic Geogrid having Ultimate tensile strength- 500 kN/m	sqm	500.00
8970	Synthetic Geogrid having Ultimate tensile strength- 600 kN/m	sqm	550.00
8971	Synthetic Geogrid having Ultimate tensile strength- 700 kN/m	sqm	650.00
8972	Synthetic Geogrid having Ultimate tensile strength- 800 kN/m	sqm	725.00
8973	Synthetic Geogrid having Ultimate tensile strength- 900 kN/m	sqm	850.00
8974	Synthetic Geogrid having Ultimate tensile strength- 1000 kN/m	sqm	950.00
8975	Synthetic Geogrid having Ultimate tensile strength- 1100 kN/m	sqm	1000.00
8976	Synthetic Geogrid having Ultimate tensile strength- 1200 kN/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
9001	C.P. Brass Centre Hole Basin Mixer With Cast Spout	each	1567.00
9999	Sundries	1 time	2.50
8779 A	Supply of Zinc+PVC Coated Gabions mechanically woven double twisted		
	hexagonal in shape having wire mesh size of 100x120 mm & having mesh		
	wire dia. 2.7/3.7 mm, Selvedge Wire dia: 3.4/4.4mm & lacing wire dia.		
	2.2/3.2mm & PVC coating thickness 1 mm of size:		
	1x1x1 m	per kg	NA
	2x1x1 m	per kg	NA
	3x1x1 m	per kg	NA
	4x1x1 m	per kg	NA
	6x1x1 m	per kg	NA
	6x1.2x1.2 m	per kg	NA

		•	
	6x1.5x1.5 m	per kg	NA
	3x1x0.5 m	per kg	NA
	4x1.5x1.5 m	per kg	NA
	3x1.5x1.5 m	per kg	NA
	2x1.5x1.5 m	per kg	NA
	1.5x1x1 m	per kg	NA
8780 A	Supply of Zinc Coated Gabions mechanically woven double twisted		
	hexagonal in shape having wire mesh size of 100x120 mm & having mesh		
	wire dia. 2.7 mm, Selvedge Wire dia: 3.4 mm & lacing wire dia. 2.2 mm &		
	PVC coating thickness		
	1x1x1 m	per kg	112.00
	2x1x1 m	per kg	112.00
	3x1x1 m	per kg	112.00
	4x1x1 m	per kg	112.00
	6x1x1 m	per kg	112.00
	6x1.2x1.2 m	per kg	112.00
	6x1.5x1.5 m	per kg	112.00
	3x1x0.5 m	per kg	112.00
	4x1.5x1.5 m	per kg	112.00
	3x1.5x1.5 m	per kg	112.00
	2x1.5x1.5 m	per kg	112.00
	1.5x1x1 m	per kg	112.00
10001	DELETED		
10002	DELETED		
10003	Foreign wood in planks of:		
	a. Burma Teak Wood	cum	145481.00
	b. Teak Wood	cum	86681.00
	c. Sal Wood	cum	80720.00
	d. Kaper Sal wood	cum	68760.00
	e. Sylvaita	cum	37464.00
10004	Foreign wood in scantling of:		
	a. Burma Teak Wood	cum	145481.00
	b. Teak Wood	cum	86681.00
	c. Sal Wood	cum	77720.00
	d. Kaper Sal wood	cum	66760.00
	e. Sylvaita	cum	35467.00
10005	Cement Concrete Bricks (1:4:8) of size 9"x4 ¼"x2 ¾"	1000 nos	7000.00
10006	Cement Concrete Bricks (1:3:6) of size 9"x4 ¼"x2 ¾"	1000 nos	8000.00
10007*	*KHATUMBANDI CEILING		
(a)	Changez Khani	sqm	3389.00
(b)	Chaar Gul	sqm	3785.00
(c)	Chaar Phool	sqm	3107.00
(d)	Pahel Gardan	sqm	2825.00
(e)	Dawaz-dal-i-Girde	sqm	2881.00
(f)	Panch Murabah	sqm	2654.00
'	* These rates includes fixing charges also.	1	



1.0 CARRIAGE OF MATERIALS

1.1 By Mechanical Transport including loading, unloading and stacking

S.No.	Materials	Unit					Rate ₹				Remarks
			1 km	2km	3km	4km	5km	Beyond 5 km upto 10 km per km	Beyond 10 km upto 20 km per km	Beyond 20 km per additional km	
1	2	3	4	5	6	7	8	9	10	11	12
1.1.1	Lime, moorum, building										The rates will be
	rubbish	cum	128.75	147.44	165.84	183.58	200.74	15.66	13.09	11.04	applicable to net
1.1.2	Earth	cum	160.93	184.30	207.30	229.48	250.92	19.58	16.36	13.80	quantities after
1.1.3	Manure or sludge	cum	139.94	160.26	180.26	199.55	218.19	17.03	14.23	12.00	deduction of prescribed
1.1.4	Excavated rock	cum	257.49	294.88	331.67	367.17	401.48	31.33	26.17	22.07	percentage for voids
1.1.5	Sand, stone aggregate below 40 mm nominal size	cum	128.75	147.44	165.84	183.58	200.74	15.66	13.09	11.04	mentioned in the specification under subhead "Carriage of
1.1.6	Stone aggregate 40 mm nominal size and above	cum	139.94	160.26	180.26	199.55	218.19	17.03	14.23	12.00	materials"
1.1.7	Soling stone	cum	151.47	173.46	195.10	215.98	236.16	18.43	15.40	12.98	
1.1.8	Bricks	1000 nos.	343.32	393.17	442.23	489.56	535.30	41.77	34.90	29.43	
1.1.9	Brick Tiles	1000 nos.	205.99	235.90	265.34	293.74	321.18	25.06	20.94	17.66	
1.1.10	Cement, stone blocks, G.I. C.I., A.C., Stainless Steel & C.C. pipes below 100 mm dia and other heavy materials	tonne	114.44	131.06	147.41	163.19	178.43	13.92	11.63	9.81	
1.1.10A	Crates	tonne	343.32	393.17	442.23	489.56	535.30	41.77	34.90	29.43	
1.1.11	Steel/ C.G.I. sheets	tonne	114.44	131.06	147.41	163.19	178.43	13.92	11.63	9.81	
1.1.12	Timber	cum	147.14	168.50	189.53	209.81	229.41	17.90	14.96	12.61	
1.1.13	Tar Bitumen	tonne	128.75	147.44	165.84	183.58	200.74	15.66	13.09	11.04	
1.1.14	Solvent	qtls	12.87	14.74	16.58	18.36	20.07	1.57	1.31	1.10	
1.1.15	Steam Coal	tonne	147.14	168.50	189.53	209.81	229.41	17.90	14.96	12.61	
1.1.16	S.W. Pipe	1	I.	1	1	L	1		1	1	I
1.1.16.1	100 mm dia	100m	171.66	196.59	221.11	244.78	267.65	20.89	17.45	14.72	

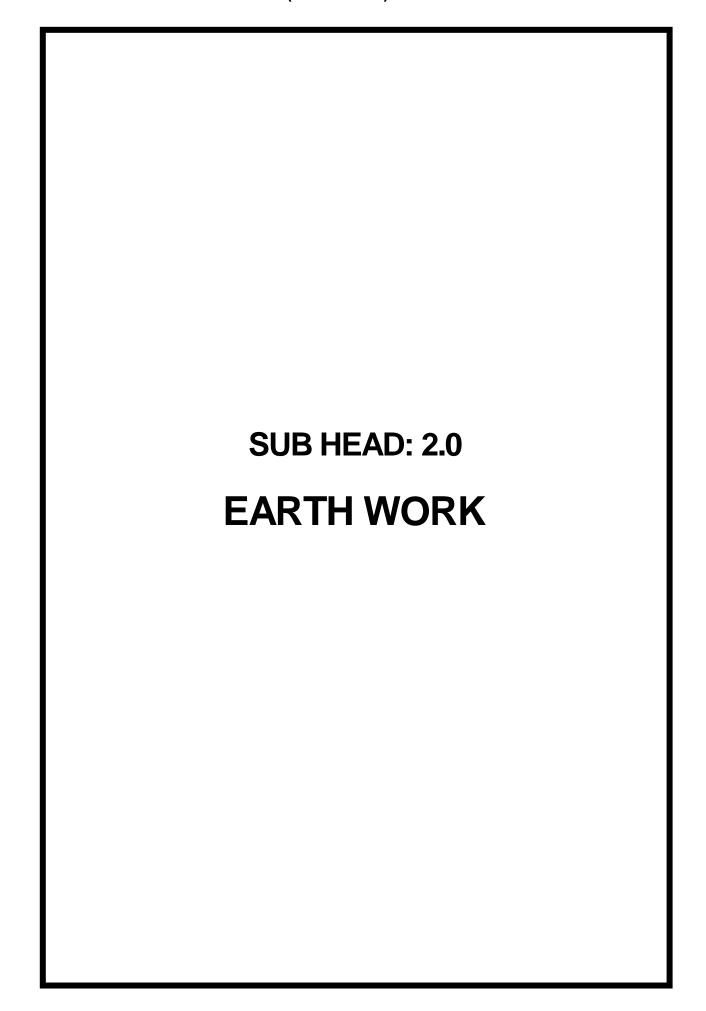
1	2	3	4	5	6	7	8	9	10	11	12
1.1.16.2	150 mm dia	100m	343.32	393.17	442.23	489.56	535.30	41.77	34.90	29.43	
1.1.16.3	200mm dia	100m	572.20	655.29	737.05	815.93	892.17	69.62	58.17	49.05	
1.1.16.4	230mm dia	100m	817.44	936.12	1052.93	1165.62	1274.53	99.46	83.09	70.08	
1.1.16.5	250 mm dia	100m	980.92	1123.35	1263.51	1398.74	1529.43	119.35	99.71	84.09	
1.1.16.6	300 mm dia	100m	1226.15	1404.18	1579.39	1748.43	1911.79	149.18	124.64	105.11	
1.1.16.7	350 mm dia	100m	1716.61	1965.86	2211.15	2447.80	2676.51	208.86	174.50	147.16	
1.1.16.8	400 mm dia	100m	2452.31	2808.36	3158.78	3496.85	3823.58	298.37	249.28	210.23	
1.1.16.9	450 mm dia	100m	3121.12	3574.28	4020.27	4450.54	4866.38	379.74	317.27	267.56	
1.1.16.10	500 mm dia	100m	3433.23	3931.71	4422.29	4895.60	5353.02	417.72	349.00	294.32	
1.1.16.11	600 mm dia	100m	4291.53	4914.64	5527.87	6119.49	6691.27	522.14	436.25	367.90	
1.16A.1	Empty Cement Bags	1000									
		nos.	51.50	58.98	66.33	73.43	80.30	6.27	5.23	4.41	
1.1.17	R.C.C. pipe, A.C. pipes, st	eel cylin	der, R.C. p	ipes, G.I. pip	es, D.I. pipe	es, M.S. pipe	es, C.I. pipes	s and unreinfo	orced cement p	ipe	
1.1.17.1	100 mm dia	100m	281.41	322.27	362.48	401.28	438.77	34.24	28.61	24.12	
1.1.17.2	125mm dia	100m	375.90	430.48	484.19	536.01	586.10	45.74	38.21	32.22	
1.1.17.3	150 mm dia	100m	469.02	537.12	604.14	668.80	731.29	57.06	47.68	40.21	
1.1.17.4	200mm dia	100m	762.94	873.71	982.73	1087.91	1189.56	92.83	77.55	65.40	
1.1.17.5	250 mm dia	100m	1084.18	1241.59	1396.51	1545.98	1690.43	131.91	110.21	92.94	
1.1.17.6	300 mm dia	100m	1340.06	1534.63	1726.11	1910.85	2089.39	163.04	136.22	114.88	
1.1.17.7	350 mm dia	100m	1876.08	2148.48	2416.55	2675.19	2925.15	228.26	190.71	160.83	
1.1.17.8	400 mm dia	100m	2558.29	2929.74	3295.30	3647.99	3988.83	311.26	260.06	219.31	
1.1.17.9	450 mm & 500 mm dia	100m	3126.80	3580.79	4027.59	4458.65	4875.24	380.43	317.85	268.05	
1.1.17.10	600, 700, 750 & 800mm	100m									
	dia		4690.20	5371.19	6041.39	6687.97	7312.86	570.65	476.77	402.07	
1.1.17.11	900 mm dia	100m	7035.30	8056.78	9062.08	10031.96	10969.29	855.97	715.16	603.11	
1.1.17.12	1000, 1100 & 1200 mm	100m									
	dia.		9380.40	10742.38	12082.77	13375.95	14625.73	1141.30	953.54	804.14	

1.0 CARRIAGE OF MATERIALS

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

S.No.	Materials	Unit	Cost of carriage including loading, unloading and stacking for 1 st 50 metres (₹)	Every additional lead of 50 metres or part there of beyond 1 st 50 metre upto 09 such additional leads (₹)	Remarks
1	2	3	4	5	6
1.2.1	Lime, moorum, building rubbish	cum	160.53	34.95	The rates will be
1.2.2	Earth	cum	200.67	43.69	applicable to net
1.2.3	Manure or sludge	cum	174.49	37.99	quantities after deduction
1.2.4	Excavated rock	cum	321.07	69.91	of prescribed percentage
1.2.5	Sand, stone aggregate below 40 mm nominal				for voids mentioned in
	size	cum	200.67	43.69	the specification under
1.2.6	Stone aggregate 40 mm nominal size and				subhead "Carriage of
	above	cum	216.94	47.23	materials".
1.2.7	Soling stone	cum	236.08	51.40	
1.2.8	Bricks	1000 nos.	374.58	81.56	
1.2.9	Brick Tiles, Allahabad roofing tiles (flat or				
	round)	1000 nos.	234.11	50.97	
1.2.10	Steam coal	tonne	187.29	40.78	
1.2.10A	Empty cement bags	1000 nos.	37.46	8.16	
1.2.11	Cement, stone blocks, G.I. C.I., A.C.,				
	Stainless Steel & C.C. pipes below 100 mm				
	dia and other heavy materials/ knitted crates	tonne	146.51	21.50	
1.2.12	Cement	tonne	116.22	17.05	
1.2.13	Steel/ C.G.I. Sheets	tonne	249.61	36.63	
1.2.14	Timber	cum	160.46	23.55	
1.2.15	Tar Bitumenetc	tonne	146.51	21.50	
1.2.16	S.W. Pipe				
1.2.16.1	100 mm dia	100 m	293.28	43.04	The length of S.W. pipes
1.2.16.2	150 mm dia	100 m	482.08	70.74	will be measured
1.2.16.3	200mm dia	100 m	674.62	98.99	exclusive of the internal
1.2.16.4	230mm dia	100 m	864.04	126.79	depth of sockets
1.2.16.5	250 mm dia	100 m	1123.25	164.82	

1	2	3	4	5	6
1.2.16.6	300 mm dia	100 m	1604.64	235.46	
1.2.16.7	350 mm dia	100 m	2246.50	329.65	
1.2.16.8	400 mm dia	100 m	2808.12	412.06	
1.2.16.9	450 mm dia	100 m	3403.79	499.47	
1.2.16.10	500 mm dia	100 m	4160.18	610.46	
1.2.16.11	600 mm dia	100 m	5105.68	749.20	
1.2.17	R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pip	es, G.I. pipes, D.I.	pipes, M.S. pipes, C.I. pipes	and unreinforced cement pipe	
1.2.17.1	100 mm dia	100 m	395.98	58.11	The length of the flanged
1.2.17.2	125mm dia	100 m	484.51	71.10	or plain ended concrete
1.2.17.3	150 mm dia	100 m	557.91	81.87	R.C.C. pipes, Steel
1.2.17.4	200mm dia	100 m	837.20	122.85	cylinders, R.C. pipes and
1.2.17.5	250 mm dia	100 m	1471.51	215.93	C.I. pipes shall be
1.2.17.6	300 mm dia	100 m	1841.39	270.20	measured overall. The
1.2.17.7	350 mm dia	100 m	2632.62	386.31	length of socketed pipes
1.2.17.8	400 mm dia	100 m	3063.41	449.52	shall be measured
1.2.17.9	450 mm & 500 mm dia	100 m	4084.54	599.36	exclusive of internal
1.2.17.10	600, 700, 750 & 800mm dia	100 m	4493.00	659.30	depth of sockets
1.2.18	Asbestos cement pipes				
1.2.18.1	50 mm dia	100 m	66.97	9.83	The length of asbestos
1.2.18.2	80 mm dia	100 m	184.14	27.02	cement pipes shall be
1.2.18.3	100 mm dia	100 m	263.06	38.60	measured exclusive of
1.2.18.4	150 mm dia	100 m	368.28	54.04	internal depth of sockets.

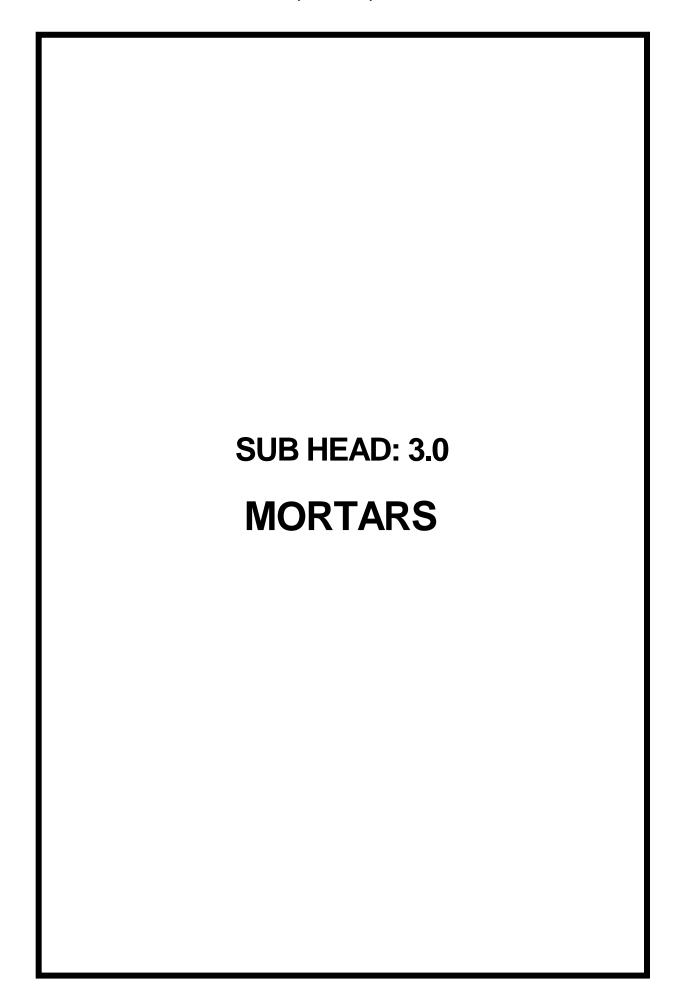


		(EARTH	WORK				
CODE NO.	DESCRIPTION				UNIT		RATE ₹
2.1	Earth work in surface excavation not exc in width as well as 10 sqm on plat leadupto50meterand lift upto 1.5m, as din	n includ	ing disposal of e	excavated earth,			01.75
	All kinds of soil :				sqm		91.75
2.2	Earth work in rough excavation, banking		•	_			
	20 cm in depth, breaking clods, waterin wooden or steel rammers, and rolling even						
	of minimum 8 tonnes and dressing up	-	-	_			
	marginal banks and guide banks or filling	-					
	lift upto 1.5 m in all kinds of soil:	8 ab 8100	a depressions, ieu	u upto e o m uno	cum		741.05
2.3	Banking excavated earth in layers not exc	ceeding 2	Ocm in depth, break	king clods,			
	watering, rolling each layer with 1/2 tor	nne rolle	r, or wooden or ste	el rammers, and			
	rolling every 3 rd and top-most layer with	_					
	dressing up, in embankments for roads, f		•	and guide banks			
	etc., lead upto 50 m and lift upto 1.5 m in				cum		467.30
2.4	Deduct for not rolling with power roller of		um 8 tonnes for ban	iking excavated			4.40
2.5	Earth in layers not exceeding 20 cm in de		1		cum		4.40
2.5	Deduct for not watering the excavated ea Earth work in bulk excavation by man			nadina 20 am in	cum		33.45
2.0	depth, 1.5 m in width as well as 10 m ² or			•			
	lead upto 50 meters and lift upto 1.5 m,	_					
	2.6.1 All kinds of soil :	us un cer	ed by Engineer in C	sharge.	cum		592.90
	2.6.2 Ordinary Rock				cum		940.30
	2.6.3 Hard Rock (Requiring Blasting)				cum		1312.40
	2.6.4 Hard Rock (Blasting Prohibited)				cum		2218.10
2.7	Earth work in bulk excavation by mecha	nical me	ans (hydraulic exca	vator) over areas			
	(exceeding 30 cm in depth, 1.5 m in						
	disposal of excavated earth lead upto 50						
	Engineer-in-Charge.						107.20
	2.7.1 All kinds of soil:				cum		187.30 392.80
	2.7.2 Ordinary Rock 2.7.3 Hard Rock (Requiring Blasting)				cum		592.80 687.10
	2.7.4 Hard Rock (Blasting Prohibited)				cum		1128.75
2.8	Earth work in excavation by manual mea	ns in trer	ches for foundation	ıs, drains, pipes, c		c. (not ex	
	in width) and for shafts, wells, cesspits ramming of bottoms lift upto 1.5 m, includirected:	and the	like not exceeding	10 sqm on plan, i	ncludin	g dressing	g of sides an
	Description	Unit		Rate for a le			
			1 meter from	25 meter beyon			er beyond
	2.8.1 All kinds of soil :	cum	cutting edge 479.30	from cutting ed 576.45	ge	m irom 673.30	cutting edge
	2.8.2 Ordinary Rock	cum	924.80	1013.55		1102.35	
	2.8.3 Hard Rock (Requiring Blasting)	cum	1316.20	1405.00		1493.80	
	2.8.4 Hard Rock (Blasting prohibited)	cum	2173.00	2261.80		2350.55	
2.0		<u> </u>			1		
2.9	Earth work in excavation by mechanical foundations, drains, pipes, cables etc. (wells, cesspits and the like not exceeding and ramming of bottoms lift upto 1.5 rdisposal of surplus excavated earth as dir	not excee ng 10 sqn m, includ	eding 1.5 m in widt n on plan, including ling getting out exc	th) and for shafts, dressing of sides cavated earth and			
	2.9.1 All kinds of soil :	,			cum		256.85
				493.50			
	2.9.2 Ordinary Rock	•					
	2.9.2 Ordinary Rock2.9.3 Hard Rock (Requiring Blasting)				cum		810.85

CODE	DESCRIPTION	TIMITE	DATE
CODE	DESCRIPTION	UNIT	RATE ₹
NO.			₹
2.10	Extra for every additional lift of 1.5 m or part thereof in excavation/banking		
	excavated or stacked material:		
	2.10.1 All kinds of soil :	cum	89.75
	2.10.2 Ordinary or hard rock	cum	161.00
2.11	Filling available excavated earth (excluding rock) in trenches, plinth, sides of		
	foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited		
	layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	cum	218.40
2.11(a)	Excavating, supplying and filling of local earth (including royalty)by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in		
	layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	cum	276.60
2.12	Surface dressing of the ground including removing vegetation and in-equalities	Cum	270.00
2.12	not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto		
	1.5 m in -All kinds of soil.	100 com	2412.00
0.10		100 sqm	2412.00
2.13	Excavating holes more than 0.10 cum and upto 0.5 cum including getting out the	Rate per hole	
	excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc,	By manual B	<u>y mechanical</u>
	disposing of surplus excavated soil; as directed within a lead of 50 m and lift upto 1.5 m in:		
	2.13.1 All kinds of soil.	206.60	81.60
	2.13.2 Ordinary Rock	335.25	152.55
	2.13.3 Hard Rock (Requiring Blasting)		247.80
	2.13.4 Hard Rock (Blasting Prohibited)	709.70	363.35
	NOTE		
	NOTE		
	 (I) Carriage of excavated material beyond the first 50 m shall be paid as per materials". (II) Carriage by animal and mechanical transport will be reckoned in terms of nea or more will be taken as 1 km and distance of less than 0.5 km ignored, However. 	arest km. distar r, when the tota	ace of 0.5 km
	(I) Carriage of excavated material beyond the first 50 m shall be paid as per materials". (II) Carriage by animal and mechanical transport will be reckoned in terms of near	arest km. distar r, when the tot Om subject to t	ace of 0.5 km
2.14	 (I) Carriage of excavated material beyond the first 50 m shall be paid as per materials". (II) Carriage by animal and mechanical transport will be reckoned in terms of nea or more will be taken as 1 km and distance of less than 0.5 km ignored, However than 0.5 km it will not be ignored but paid for separately in successive stages of 5 	arest km. distar r, when the tot Om subject to t	ace of 0.5 km
2.14	(I) Carriage of excavated material beyond the first 50 m shall be paid as per materials". (II) Carriage by animal and mechanical transport will be reckoned in terms of near or more will be taken as 1 km and distance of less than 0.5 km ignored, However than 0.5 km it will not be ignored but paid for separately in successive stages of 5 that the total rate worked out on these bases does not exceed the rate for initial lead	arest km. distar r, when the tot Om subject to t	ace of 0.5 km
2.14	(I) Carriage of excavated material beyond the first 50 m shall be paid as per materials". (II) Carriage by animal and mechanical transport will be reckoned in terms of nea or more will be taken as 1 km and distance of less than 0.5 km ignored, However than 0.5 km it will not be ignored but paid for separately in successive stages of 5 that the total rate worked out on these bases does not exceed the rate for initial lead Close timbering in trenches including strutting, shoring and packing cavities (wherever	arest km. distar r, when the tot Om subject to t	ace of 0.5 km
2.14	(I) Carriage of excavated material beyond the first 50 m shall be paid as per materials". (II) Carriage by animal and mechanical transport will be reckoned in terms of nea or more will be taken as 1 km and distance of less than 0.5 km ignored, However than 0.5 km it will not be ignored but paid for separately in successive stages of 5 that the total rate worked out on these bases does not exceed the rate for initial lead Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). 2.14.1 Depth not exceeding 1.5 m.	arest km. distarr, when the tota Om subject to total of 1 km.	ace of 0.5 km al lead is less the conditions
2.14	(I) Carriage of excavated material beyond the first 50 m shall be paid as permaterials". (II) Carriage by animal and mechanical transport will be reckoned in terms of near or more will be taken as 1 km and distance of less than 0.5 km ignored, However than 0.5 km it will not be ignored but paid for separately in successive stages of 5 that the total rate worked out on these bases does not exceed the rate for initial lead Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). 2.14.1 Depth not exceeding 1.5 m. 2.14.2 Depth exceeding 1.5 m but not exceeding 3 m	arest km. distar r, when the tota f0m subject to t of 1 km.	ace of 0.5 km al lead is less he conditions 243.75 255.20
	(I) Carriage of excavated material beyond the first 50 m shall be paid as permaterials". (II) Carriage by animal and mechanical transport will be reckoned in terms of near or more will be taken as 1 km and distance of less than 0.5 km ignored, However than 0.5 km it will not be ignored but paid for separately in successive stages of 5 that the total rate worked out on these bases does not exceed the rate for initial lead Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). 2.14.1 Depth not exceeding 1.5 m. 2.14.2 Depth exceeding 1.5 m but not exceeding 3 m 2.14.3 Depth exceeding 3 m but not exceeding 4.50 m	arest km. distarr, when the tota Om subject to total of 1 km.	ace of 0.5 km al lead is less the conditions
2.14	(I) Carriage of excavated material beyond the first 50 m shall be paid as per materials". (II) Carriage by animal and mechanical transport will be reckoned in terms of nea or more will be taken as 1 km and distance of less than 0.5 km ignored, However than 0.5 km it will not be ignored but paid for separately in successive stages of 5 that the total rate worked out on these bases does not exceed the rate for initial lead Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). 2.14.1 Depth not exceeding 1.5 m. 2.14.2 Depth exceeding 1.5 m but not exceeding 3 m 2.14.3 Depth exceeding 3 m but not exceeding 4.50 m Close timbering in case of shafts, wells, cesspits, manholes and the like including	arest km. distar r, when the tota f0m subject to t of 1 km.	ace of 0.5 km al lead is less he conditions 243.75 255.20
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2.15	(I) Carriage of excavated material beyond the first 50 m shall be paid as per materials". (II) Carriage by animal and mechanical transport will be reckoned in terms of new or more will be taken as 1 km and distance of less than 0.5 km ignored, However than 0.5 km it will not be ignored but paid for separately in successive stages of 5 that the total rate worked out on these bases does not exceed the rate for initial lead Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). 2.14.1 Depth not exceeding 1.5 m. 2.14.2 Depth exceeding 3 m but not exceeding 3 m 2.14.3 Depth exceeding 3 m but not exceeding 4.50 m 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). 2.15.1 Depth not exceeding 1.5 m. 2.15.2 Depth exceeding 1.5 m but not exceeding 3 m 2.15.3 Depth exceeding 3 m but not exceeding 4.50 m Close timbering over areas including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered). 2.16.1 Depth not exceeding 1.5 m. 2.16.2 Depth exceeding 1.5 m but not exceeding 3 m 2.16.3 Depth exceeding 3 m but not exceeding 4.50 m Extra for planking, strutting and packing materials for cavities (in close timbering), if	sqm sqm sqm sqm	243.75 255.20 281.30 250.50 275.40 301.65
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2.15	(I) Carriage of excavated material beyond the first 50 m shall be paid as per materials". (II) Carriage by animal and mechanical transport will be reckoned in terms of nea or more will be taken as 1 km and distance of less than 0.5 km ignored, However than 0.5 km it will not be ignored but paid for separately in successive stages of 5 that the total rate worked out on these bases does not exceed the rate for initial lead Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). 2.14.1 Depth not exceeding 1.5 m. 2.14.2 Depth exceeding 1.5 m but not exceeding 3 m 2.14.3 Depth exceeding 3 m but not exceeding 4.50 m 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). 2.15.1 Depth not exceeding 1.5 m. 2.15.2 Depth exceeding 1.5 m but not exceeding 3 m 2.15.3 Depth exceeding 3 m but not exceeding 4.50 m Close timbering over areas including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered). 2.16.1 Depth not exceeding 1.5 m. 2.16.2 Depth exceeding 1.5 m but not exceeding 3 m 2.16.3 Depth exceeding 3 m but not exceeding 4.50 m 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). Open timbering in trenches including strutting and shoring complete (measurements to be taken of the face area timbered): 2.18.1 Depth not exceeding 1.5 m.	sqm sqm sqm sqm sqm sqm	243.75 255.20 281.30 250.50 275.40 301.65 21385 227.75 242.40
2.15	(I) Carriage of excavated material beyond the first 50 m shall be paid as per materials". (II) Carriage by animal and mechanical transport will be reckoned in terms of ner or more will be taken as 1 km and distance of less than 0.5 km ignored, However than 0.5 km it will not be ignored but paid for separately in successive stages of 5 that the total rate worked out on these bases does not exceed the rate for initial lead close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). 2.14.1 Depth not exceeding 1.5 m. 2.14.2 Depth exceeding 3 m but not exceeding 3 m 2.14.3 Depth exceeding 3 m but not exceeding 4.50 m 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). 2.15.1 Depth not exceeding 1.5 m. 2.15.2 Depth exceeding 1.5 m but not exceeding 3 m 2.15.3 Depth exceeding 3 m but not exceeding 4.50 m Close timbering over areas including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered). 2.16.1 Depth not exceeding 1.5 m. 2.16.2 Depth exceeding 1.5 m but not exceeding 3 m 2.16.3 Depth exceeding 3 m but not exceeding 4.50 m 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). Open timbering in trenches including strutting and shoring complete (measurements to be taken of the face area timbered):	sqm sqm sqm sqm sqm sqm sqm sqm	243.75 255.20 281.30 250.50 275.40 301.65 21385 227.75 242.40

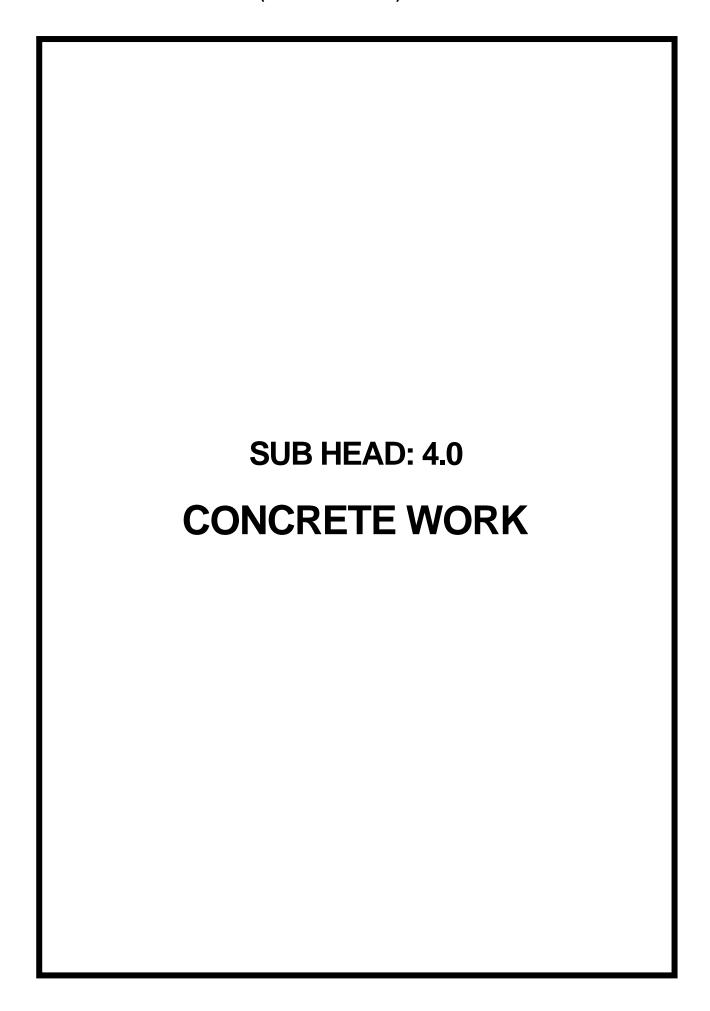
CODE	2.0 (EARTH WORK)	TINITT	DATE
CODE NO.	DESCRIPTION	UNIT	RATE ₹
NO. 2.19	Open timbering in case of shafts, wells, cesspits, manholes and the like including		•
2.19	strutting and shoring complete (Measurements to be taken of the face area timbered):		
	2.19.1 Depth not exceeding 1.5 m.	sqm	106.60
	2.19.2 Depth exceeding 1.5 m but not exceeding 3 m	sqm	118.25
	2.19.3 Depth exceeding 3 m but not exceeding 4.50 m	sqm	133.60
2.20	Open timbering over areas including strutting, shoring etc. complete (Measurements to	1	
	be taken of the face area timbered):		
	2.20.1 Depth not exceeding 1.5 m.	sqm	68.50
	2.20.2 Depth exceeding 1.5 m but not exceeding 3 m	sqm	76.45
	2.20.3 Depth exceeding 3 m but not exceeding 4.50 m	sqm	89.20
2.21	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).	sqm	1673.40
2.22	Extra rates for quantities of works executed:		
	2.22.1 In or under water and/ or liquid mud, including pumping out water as	m depth	20% of the
	required.		rate of the
			item
	2.22.2 In or under foul position including pumping out water as required.	m depth	25% of the
			rate of the
	Note for item no. 2.22:- The extra percentage rate is applicable in respect of each item but limited to quantities of work around in those difficult conditions. The unit		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 subsoil water level upto the centre of gravity of the quantity executed in difficult conditions. The depth shall be reckoned correct to 0.1 metre, 0.05 metre or more shall		
	be taken as 0.1 metre and less than 0.05metre ignored.		
2.23	Supplying and filling in plinth with fine sand under floors including, watering,		
2.23	ramming, consolidating and dressing complete.	cum	1204.50
2.24	Ploughing the existing ground to a depth of 15 cm to 25 cm and watering the same in-		120
	All kinds of soil.	100 sqm	2452.75
2.25	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and	_	
	saplings of girth upto 30 cm measured at a height of 1 m above ground level and		
	removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 sqm	1249.10
2.26	Clearing grass and removal of the rubbish upto a distance of 50 m outside the		
	periphery of the area cleared.	100 sqm	635.00
2.27	Felling trees of the girth (measured at a height of 1 m above ground level) including		
	cutting of trunk and branches, removing the roots and stacking of serviceable material		
	and disposal of unserviceable material.		
	2.27.1 Beyond 30 cm girth upto and including 60 cm girth.	each	379.05
	2.27.2 Beyond 60 cm girth upto and including 120 cm girth.	each	1683.00
	2.27.3 Beyond 120 cm girth upto and including 240 cm girth.	each	7795.70
2.20	2.27.4 Above 240 cm girth	each	15627.50
2.28	Supplying chemical emulsion in sealed containers including delivery as specified.	1 lites	200.70
2.29	Chlorophriphos/Lindane emulsifiable concentrate of 20% Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-	1 litre	200.70
4.47	termite treatment.		
	(excluding the cost of chemical emulsion):		
	2.29.1 Along external wall where the apron is not provided using chemical		
	emulsion (Chlorophriphos/ Lindane E.C. 20% with 1% concentration)		
	@ 7.5 litres/sqm of the vertical surface of the sub-structure to a depth		
	of 300 mm including excavation of channel along the wall & rodding		
	etc. complete:	meter	28.95
	2.29.2 Along the external wall below concrete or masonry apron using chemical		
	emulsion (Chloropyriphos / Lindane E.C. 20% with 1% concentration)		
	@ 2.25 litres/ linear meter including drilling & plugging holes etc.	meter	41.60

CODE	DESCRIPTION 2.0 (EARTH WORK)	UNIT	RATE
NO.			₹
	2.29.3 Treatment of soil under existing floors using chemical emulsion (Chlorophriphos/Lindane E.C. 20% with 1% concentration) @ one litre per hole, 300mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1:2 (1 cement :2 coarse sand) to		
	match the existing floor: 2.29.4 Treatment of existing masonry using chemical emulsion (Chlorophriphos /Lindane E.C. 20% with 1% concentration)@ 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	sqm	232.30
	depth of hole: 2.29.5 Treatment of points of contact of wood work with chemical emulsion Chlorophriphos /Lindane E.C. 20% with 1% concentration (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	meter	33.10
	centre and sealing the same	meter	256.50
2.30	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	cum	65.90
2.31	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	1 kl	167.80
2.32	Removal of unhygienic materials (so classified by the site engineer) from designated sites and its disposal as per directions, all inclusive.	cum	189.20
2.33	Supply and stacking of Fly ash conforming to IRC- 58 at site, (measured stacks will be reduced by 20% for payment).	cum	NA
2.34	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.	cum	218.40



3.0 (MORTARS)

	3.0 (MORTARS)	1	1
CODE	DESCRIPTION	UNIT	Rate
NO.			₹
3.1	LIME MORTAR Lima Morton 1 1 1 1 (1 lima muttu 1 queliki 1 fina cand)		3083.30
3.2	Lime Mortar 1:1:1 (1 lime putty: 1 surkhi: 1 fine sand) Lime Mortar 1:1:2 (1 lime putty: 1 surkhi: 2 coarse sand)	cum	2802.45
3.2	Eline Wortai 1 . 1 . 2 (1 line party. 1 surkin. 2 course saira)	Cum	2002.43
3.3	Lime Mortar 1 : 2 (1 lime putty: 2 surkhi)	cum	3050.05
2.4	L'a. Martan 1 - 2 (1 l'an angun 2 and 1)		2752.65
3.4	Lime Mortar 1 : 3 (1 lime putty: 3 surkhi)	cum	2752.65
3.5	Lime Mortar 1 : 3 (1 lime putty: 3 coarse sand)	cum	2827.40
2.6	CEMENT MORTAR		8282.05
3.6	Cement Mortar 1 : 1 (1 cement: 1 fine sand) Cement Mortar 1 : 2 (1 cement: 2 fine sand)	cum	6073.65
3.7	Cement Wortain 1 . 2 (1 cement. 2 fine saint)	Cum	0075.05
3.8	Cement Mortar 1 : 3 (1 cement: 3 fine sand)	cum	4970.40
2.0	C (M + 1 A/1 + Aff)		1056 10
3.9	Cement Mortar 1 : 4 (1 cement: 4 fine sand)	cum	4056.10
3.10	Cement Mortar 1 : 5 (1 cement: 5 fine sand)	cum	3563.75
	, , , , , , , , , , , , , , , , , , ,		
3.11	Cement Mortar 1 : 6 (1 cement: 6 fine sand)	cum	3141.80
3.12	DELETED		
3.12	BELLETED		
2.12	Compart Marton 1 , 2 (1 comparts 2 congress cond)	1	6072.65
3.13	Cement Mortar 1 : 2 (1 cement: 2 coarse sand)	cum	6073.65
3.14	Cement Mortar 1 : 3 (1 cement: 3 coarse sand)	cum	4970.40
	, , , , , , , , , , , , , , , , , , ,		
3.15	Cement Mortar 1 : 4 (1 cement: 4 coarse sand)	cum	4056.10
3.16	Cement Mortar 1 : 5 (1 cement: 5 coarse sand)	cum	3563.75
3.10	Centent Worth 1.5 (1 centent. 5 course saint)	Cum	3303.73
3.17	Cement Mortar 1 : 6 (1 cement: 6 coarse sand)	cum	3141.80
3.18	DELETED		
3.10	DELETED		
3.19	Cement Mortar 1 : 2 (1 cement: 2 stone dust)	cum	6073.65
2.20			5117.57
3.20	Cement Mortar 1 : 2 (1 cement: 2 Marble dust)	cum	6415.65
3.21	Cement Mortar 1 : 5 (1 cement: 5 Marble dust)	cum	3948.95
	, , , , , , , , , , , , , , , , , , ,		
3.22	White Cement Lime Mortar 1/4:1:1:1 (1/4 white cement : 1 lime putty : 1 stone dust :	cum	5486.05
3.23	1 marble dust) White Cement Mortar 1:2 (1 white cement : 2 marble dust)	01100	11727.00
3.43	white Centent worth 1.2 (1 white centent . 2 martie dust)	cum	11/2/.00
3.24	White Cement Mortar 1:3 (1 white cement : 3 marble dust)	cum	9339.10
2.25			(250.20
3.25	White Cement Mortar 1:5 (1 white cement : 5 marble dust)	cum	6370.30
	CEMENT LIME MORTAR		5398.10
3.26	Cement Lime Mortar 1:1:3 (1cement : 1 lime putty: 3 fine sand)	cum	
3.27	Cement Lime Mortar 1:1:6 (1cement : 1 lime putty: 6 fine sand)	cum	4094.50
2 20	DELETED		
3.28	DELETED		
3.29	Cement Lime Mortar 1:1:6 (1cement : 1 lime putty: 6 coarse sand)	cum	4094.50
	`		
3.30	Mud Mortar	cum	739.60
3.31	Mortar in Lime, Surkhi (50% red and 50% yellow) and Marble Dust 1: 1.5:0.5		3092.75
	(1 lime putty: 1.5 Surkhi :0.5 Marble Dust)	cum	20,2.75
	95	•	



CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	LIME CONCRETE		
4.1	Providing and laying in position lime concrete with graded stone/brick aggregate 40 mm		
			1200.20
		cum	4389.30
		cum	4012.00
1.2			
	_	cum	7667.35
1.3			
			0.00
	66 6	cum	0.00
		cum	0.00
1.4	nominal size and 40% mortar comprising of 1:1:1 (1 lime putty: 1surkhi: 1fine sand; including curing complete but excluding cost of centering andshuttering. All works upto plinth level with: 4.1.1 Graded Stone Aggregate 4.1.2 With graded brick aggregate Providing and laying on terrace upto floor five level lime concrete with graded brick agg. 25mm nominal size and 50% mortar comprising of 1lime putty: 2surkhi and curing complete. Deduct for using 63 mm nominal size graded stone/brick aggregate instead of 40 mm nominal size graded stone/brick aggregate in lime concrete 4.3.1 Graded Stone Aggregate 4.3.2 Brick Aggregate CEMENT CONCRETE (CAST-IN-SITU) Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centring and shuttering. All work upto plinth level with: 4.4.1 DELETED 4.4.2 1:1½:3 (1 cement :1½ coarse sand: 3 graded stone aggregate 20 mm nominal size) 4.4.3 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) 4.4.4 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) 4.4.5 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 40 mm nominal size) 4.4.6 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 40 mm nominal size) 4.4.7 1:4:8 (1 cement: 5 coarse sand: 10 graded stone aggregate 40 mm nominal size) 4.4.9 DELETED 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, anchors blocks, plain window sills, fillets etcupto floor V level, including curing but excluding the cost of centring, shuttering and finishing with. 4.5.1 DELETED Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters solutness sand: 10 graded stone aggregate 20 mm nominal size) 4.5.3 1:2:4 (1 cement: 2 coarse sand: 6 graded stone aggregate 20 mm nominal size		
		cum	7275.25
		cum	6591.25
		cum	6540.45
		cum	5733.60
		cum	5673.40
		cum	5202.90
		cum	4826.50
1.5	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, anchors blocks, plain window sills,		
	fillets etcupto floor V level, including curing but excluding the cost of centring, shuttering		
	and finishing with.		
	4.5.1 DELETED		
	4.5.2 1:1½:3 (1 cement :1½ coarse sand: 3 graded stone aggregate 20 mm nominal size)	cum	9106.50
	4.5.3 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	8422.45
	4.5.4 DELETED		
	4.5.5 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	7564.80
	4.5.6 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	7504.60
		cum	6644.55
		cum	4469.25
1.6			
		sqm	286.35
		•	
			520.0
	buttresses, plinth and string course fillets, kerbs and teps etc.	sqm	628.95
		sqm sqm	628.95 723.20
1. 7	4.6.3 Columns, piers, abutments, pillars, posts and struts	sqm sqm	628.95 723.20
1.7	4.6.3 Columns, piers, abutments, pillars, posts and struts Providing and laying cement concrete in kerbs, steps and the like at or near ground level	_	
1 .7	4.6.3 Columns, piers, abutments, pillars, posts and struts Providing and laying cement concrete in kerbs, steps and the like at or near ground level including curing, excluding the cost of centring, shuttering, and finishing.	sqm	723.20
1. 7	 4.6.3 Columns, piers, abutments, pillars, posts and struts Providing and laying cement concrete in kerbs, steps and the like at or near ground level including curing, excluding the cost of centring, shuttering, and finishing. 4.7.1 1:1½:3(1 cement :1½ coarse sand :3 graded stone aggregate 20 mmnominal size) 	sqm	723.20 7275.25
1.7	4.6.3 Columns, piers, abutments, pillars, posts and struts Providing and laying cement concrete in kerbs, steps and the like at or near ground level including curing, excluding the cost of centring, shuttering, and finishing. 4.7.1 1:1½:3(1 cement :1½ coarse sand :3 graded stone aggregate 20 mmnominal size) 4.7.2 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mmnominal size)	sqm	723.20
1.7	4.6.3 Columns, piers, abutments, pillars, posts and struts Providing and laying cement concrete in kerbs, steps and the like at or near ground level including curing, excluding the cost of centring, shuttering, and finishing. 4.7.1 1:1½:3(1 cement :1½ coarse sand :3 graded stone aggregate 20 mmnominal size) 4.7.2 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mmnominal size) 4.7.3DELETED	sqm	723.20 7275.25
	4.6.3 Columns, piers, abutments, pillars, posts and struts Providing and laying cement concrete in kerbs, steps and the like at or near ground level including curing, excluding the cost of centring, shuttering, and finishing. 4.7.1 1:1½:3(1 cement :1½ coarse sand :3 graded stone aggregate 20 mmnominal size) 4.7.2 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mmnominal size) 4.7.3DELETED CEMENT CONCRETE (PRECAST)	sqm	723.20 7275.25
1.7	4.6.3 Columns, piers, abutments, pillars, posts and struts Providing and laying cement concrete in kerbs, steps and the like at or near ground level including curing, excluding the cost of centring, shuttering, and finishing. 4.7.1 1:1½:3(1 cement :1½ coarse sand :3 graded stone aggregate 20 mmnominal size) 4.7.2 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mmnominal size) 4.7.3DELETED	sqm	723.20 7275.25

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	sand) cost of required centring, shuttering and curing complete 4.8.1 1:1½:3(1 cement :1½ coarse sand :3 graded stone aggregate 20 mmnominal size) 4.8.2 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) 4.8.3 DELETED	cum cum	8700.55 8016.55
4.9	Providing & fixing at or near ground level precast cement concrete in kerbs,, edging etc as		
4.)	per approved patterns and setting in position with cement mortar 1:3(1 cement:3 coarse sand) including the cost of required centring, shuttering and curing complete		7,000
	4.9.1 1:1½:3(1 cement :1½ coarse sand :3 graded stone aggregate 20 mmnominal size) 4.9.21:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mmnominal size)	cum	7666.60 6982.60
4.10	Providing & fixing upto floor five level precast cement concrete solid blocks including	Cum	0902.00
4.10	hoisting and setting in position in cement mortar 1:3 (1cement:3 coarse sand), cost of required centring, shuttering and curing complete		
	4.10.1 1:1½:3(1 cement :1½ coarse sand :3 graded stone aggregate 20 mmnominal size) 4.10.2 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20 mm nominal	cum	14417.80
	size) 4.10.3 1:3:6 (1 cement : 3 coarse sand : 6 graded crushed stone aggregate 20 mm nominal	cum	13733.80
	size) 4.10.4 DELETED 4.10.5 DELETED	cum	12876.15
4.11	Providing & fixing upto floor five level precast cement concrete hollow blocks, including hoisting and setting in position in cement mortar 1:3 (1cement:3 coarse sand), cost of required centring, shuttering and curing complete.		
	4.11.1 1:1½:3(1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mmnominal size) 4.11.2 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20 mm nominal	cum	11759.15
	size) 4.11.3 1:3:6 (1 cement : 3 coarse sand : 6 graded crushed stone aggregate 20 mm nominal	cum	11444.50
	size)	cum	11049.95
4.12	Deduct for using cement mortar 1:4 (1 cement: 4 coarse sand) instead of cement mortar 1:3 (1 cement: 3 coarse sand) for fixing precast cement concrete solid block work.	cum	115.50
4.13	DELETED		
4.14	Deduct for using cement mortar 1:4 (1 cement: 4 coarse sand) instead of cement mortar 1:3 (1 cement: 3 coarse sand) for fixing precast cement concrete hollow block work.	cum	54.36
4.15	DELETED		
4.16	Pre-casting & Placing in position 125 mm dia Bollards 600 mm high of required shape		
4.10	including providing M.S. Pipe Sleeve 50 mm dia 300 mm long in the Bollard and M.S. pipe 40mm dia and 450mm long with 150x150x6 mm M.S. plate welded at bottom and embeded 150 mm in cement concrete 1: 3: 6 (1 cement:3 coarse sand:6 graded stone aggregate 20 mm nominal size) including necessary excavation of size 250x250x450mm		
	deep for the same in bitumen/concrete pavement at specified spacing.	1 bollard	859.00
4.17	DAMP PROOF COURSE Providing & laying damp-proof Course 40 mm thick with cement concrete 1:2:4 (1 cement:2 coarse sand: 4 graded stone agg 12.5 mm nominal size) and curing complete	sam	346.70
4.18	Providing and laying damp-proof Course 50 mm thick with cement concrete 1:2:4 (1 cement:2 coarse sand: 4 graded stone aggregate 20 mm nominal size) and curing complete	sqm	416.50
4.19	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	~ 4	.13.50
	(1 kg of water proofing material in 50 kg of cement)	kg	63.00
4.20	Applying a coat of residual petroleum bitumen of grade VG-10 of approved quality using 1.7 kg per square meter on damp proof courses after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	sqm	183.20

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	MISCELLANEOUS		
4.21	Extra for concrete work in superstructure above floor five level for each four floors or part		
	thereof.	cum	1109.80
4.22	Extra for laying concrete in or underwater and/or liquid mud including cost of pumping or	cum/m	
	bailing out water and removing slush etc. complete	depth	788.25
	Note for item No. 4.22:- The quantity will be calculated by multiplying the depth		
	measured from the sub-soil water level up to centre of gravity of concrete under sub-		
	soil water level with quantity of concrete in cum executed under sub-soil water. The		
	depth of centre of gravity shall be reckoned correct to 0.1m, 0.05m or more shall be		
	taken as 0.1m and less than 0.05m ignored.		
4.23	Extra for laying concrete in or under foul positions	cum	337.15
4.24	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand :		
	6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40mm		
	nominal size well rammed and consolidated and grouted with fine sand including finishing		
	the top smooth and curing complete	sqm	572.80
4.25	Extra for addition of synthetic polyester triangular fibre of length 12 mm, effective		
	diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement concrete/RCC/	per bag of	
	Flooring /water retaining structures by using 125 gms of synthetic polyester triangular fibre	50kg of	
	for 50 kgs cement used as per directions of Engineer-in-Charge	cement	61.90
4.26	Providing and laying in position ready mixed plain cement concrete, using Flyash and		
	cement content as per approved design mix and manufactured in fully automatic batching		
	plant and transported to site of work in transit mixer for all leads, having continuous		
	agitated mixer, manufactured as per mix design of specified grade for plaincement concrete		
	work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost		
	of centering, shuttering and finishing, including cost of curing, admixtures in recommended		
	proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability		
	without impairing strength and durability as per direction of the Engineer - in - charge.		
	Note: 1) Excess/less cement used than specified in this item is payable/recoverable		
	separately.		
	(2) Fly ash conforming to grade I of IS3812 (Part-1) only be used as part replacement		
	of OPC as per IS: 456. Uniform blending with cement is to be ensured in accordance		
	with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of BMC and RMC."		
	4.26.1 All works upto plinth level		
	4.26.1.1 M-15 grade plain cement concrete (cement content considered @ 240 Kg/cum.		
	4.26.1.2 M-10 grade plain cement concrete (cement content considered @ 220 Kg/cum.	cum	NA
	4.26.2 All works above plinth level and upto floor five level	cum	NA
	4.26.2.1 M-15 grade plain cement concrete (cement content considered @ 240 Kg/cum.		NY 4
	4.26.2.2 M-10 grade plain cement concrete (cement content considered @ 220 Kg/cum.	cum	NA
4.25	The title and to the confidence of the total transfer of the confidence of the confi	cum	NA
4.27	Providing and laying in position ready mixed plain cement concrete, with cement content		
	as per approved design mix and manufactured in fully automatic batching plant and		
	transported to site of work in transit mixer for all leads, having continuous agitated mixer,		
	manufactured as per mix design of specified grade for plaincement concrete work,		
	including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of		
	centering, shuttering and finishing, including cost of curing, admixtures in recommended		
	proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability		
	without impairing strength and durability as per direction of the Engineer - in - charge.		
	Note: 1) Excess/less cement used than specified in this item is payable/recoverable		
	separately.		
	4.27.1 All works upto plinth level	our.	7725 60
i	4.27.1.1 M-15 grade plain cement concrete (cement content considered @ 240 Kg/cum.)	cum	7725.60

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	4.27.1.2 M-10 grade plain cement concrete (cement content considered @ 220 Kg/cum.	cum	7528.05
	4.27.2 All works above plinth level and upto floor five level		
	4.27.2.1 M-15 grade plain cement concrete (cement content considered @ 240 Kg/cum.	cum	8835.60
	4.27.2.2 M-10 grade plain cement concrete (cement content considered @ 220 Kg/cum.	cum	8638.05
4.28	DELETED		

SUB HEAD: 5.0
REINFORCED CEMENT CONCRETE

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	<u>CAST-IN-SITU</u>		
5.1	Providing and laying in position specified grade of reinforced cement concrete including		
	curing but excluding the cost of centering, shuttering, finishing and reinforcement. All		
	works upto plinth level		
	5.1.1 DELETED		
	5.1.2 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	7788.40
	5.1.3 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	7104.35
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 upto floor five level including curing but excluding cost of centering shuttering,		
	finishing and reinforcement.		
	5.2.1 DELETED		0205 50
	5.2.2 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	9395.70
	5.2.3 DELETED		
5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°,		
	landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral		
	stair cases upto five level including curing but excluding the cost of centring, shuttering,		
	finishing and reinforcement with		0021.05
	5.3.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	9821.85
	5.3.2 DELETED		
5.4	Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the		
	like including curing but excluding the cost of centering, shuttering, finishing and		
	reinforcement with		0022.25
	5.4.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size) 5.4.2 DELETED	cum	9023.35
5.5	Reinforced cement concrete work in arches, archribs, domes, vaults shells, folded plate and		
5.5	roofs having slope more than 15° upto floor five level level including curing but excluding		
	the cost of centering, shuttering finishing and reinforcement with:		
	5.5.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	10377.15
	5.5.2 DELETED	Cum	10377.13
5.6	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing		
2.0	complete but excluding the cost of centering, shuttering, finishing and reinforcement with:		
	5.6.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	9588.05
	5.6.2 DELETED		7000.00
5.7	Reinforced cement concrete work in well-steining including curing but excluding the cost		
	of centering, shuttering, finishing and reinforcement, with		
	5.7.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	7334.45
	5.7.2 DELETED		
5.8	Reinforced cement concrete work in vertical and horizontal fins individually or forming		
	box louvers, facias and eaves boards up to floor five level including curing but excluding		
	the cost of centering, shuttering, finishing and reinforcement, with 1:1½:3 (1 cement:1½		
	coarse sand :3 graded crushed stone aggregate 20 mm nominal size).	cum	8663.80
	FORM WORK		
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.	sqm	286.35
	5.9.2 Walls (any thickness) including attached pilasters, buttresses, plinth and	_	
	string courses etc.	sqm	628.95
	5.9.3 Suspended floors, roofs, landings, balconies and access platforms.	sqm	718.20
	5.9.4 Shelves (cast-in-situ)	sqm	718.20
	5.9.5 Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	577.55
	5.9.6 Columns, pillars, piers, abutments, posts and struts.	sqm	742.55
	5.9.7 Stairs (excluding landings) except spiral staircases.	sqm	851.15
	5.9.8 Spiral staircases (including landings)	sqm	676.25
	5.9.9 Arches, domes, vaults upto 6 m span	sqm	2281.20

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	5.9.10 Extra for arches, domes, vaults exceeding 6 m span	sqm	1118.85
	5.9.11 Chimney and shafts	sqm	628.95
	5.9.12 Well steining	sqm	543.85
	5.9.13 Vertical and Horizontal fins individually or forming box louvers, bands,	1	
	facias and eves boards.	sqm	1289.55
	5.9.14 Extra for shuttering in circular work (20% of respective centering and	1	
	Shuttering items)	sqm	20%
	5.9.15 Small lintels not exceeding 1.5 m clear span, mouldings as in cornices, window		
	sills, string courses, bands, copings, bed plates, anchor blocks and the like.	sqm	286.35
	5.9.16 Edges of slabs and breaks in floors and walls		
	5.16.1.1 Under 20 cm wide	meter	262.20
	5.16.1.2 Above 20 cm wide	sqm	1145.10
	5.9.17 Cornices and mouldings	sqm	1217.05
	5.9.18 Small surfaces such as cantilever ends, brackets and end of steps, caps and bases to		
	pilasters and column and the like.	sqm	1027.40
	5.9.19 Weather shades, chajjas, corbels etc. including edges.	sqm	1037.35
	5.9.20 Suspended floors, roofs, landings, balconies and access platform with		
	waterproofing ply 12 mm thick	sqm	803.75
	5.9.21 Lintel, beams, plinth beams, girders, bressumers and cantilevers with		
	waterproofing ply 12 mm thick	sqm	663.40
5.10	Providing and fixing tie bolt, spring coil and plastic cone in wall shuttering complete as per		
	the direction of Engineer-in-Charge.		1.10.55
	5.10.1 12 mm dia and 100 mm length	each set	142.75
	5.10.2 12 mm dia and 150 mm length	each set	149.45
	5.10.3 20 mm dia and 150 mm length	each set	176.20
F 44	5.10.4 20 mm dia and 225 mm length	each set	189.60
5.11	Extra for additional height in centering, shuttering where ever required with adequate		
	bracing, propping etc. including cost of de-shuttering and de-centering at all levels, over a		
	height of 3.5 m, for every additional height of 1 meter or part thereof (Plan area to be measured).		
	5.11.1 Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	cam	293.90
	PRE-CAST R.R.C.	sqm	293.90
5.12	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete		
3.12	work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and		
	the like, including setting in position in cement mortar 1:3 (1 cement :3 coarse sand)		
	including the cost of required centering, shuttering and curing but excluding cost of		
	reinforcement with:		
	5.12.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	9057.65
	5.12.2 DELETED		
5.13	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 setting in		
	position in cement mortar 1:3 (1 cement :3 coarse sand) including the cost of required		
	centering, shuttering and curing but excluding the cost of reinforcement with:		
	5.13.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	12618.80
	5.13.2 DELETED		
5.14	Providing, hoisting and fixing 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 and curing but excluding the		
	cost of reinforcement with:		
	5.14.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	14746.00
	5.14.2 DELETED		
5.15	Providing, hoisting and fixing 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, shuttering and curing but excluding the cost of		

CODE	DESCRIPTION	UNIT	RATE
NO.	222012	01,111	₹
	reinforcement with:		
	5.15.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	11669.95
	5.15.2 DELETED		
5.16	Providing, hoisting and fixing 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 and		
	curing but excluding the cost of reinforcement with:		
	5.16.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	18449.95
	5.16.2 DELETED		
5.17	Providing, hoisting and fixing up to floor five level precast reinforced cementconcrete 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 and curing		
	but excluding the cost of reinforcement with: 5.17.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	21100	10121.00
	5.17.2 DELETED	cum	10121.00
5.18	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand : 4 graded stone		
5.10	aggregate 6 mm nominal size) reinforced with 1.6 mm dia mild steel wire including		
	centering and shuttering, roughening cleaning, curing, fixing and finishing complete 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	sqm	1493.90
	5.18.2 40 mm thick	sqm	1342.40
	5.18.3 25 mm thick	sqm	1207.10
	ENCASING ROLLED STEEL SECTIONS		
5.19	Encasing rolled steel sections, in beams and columns, with cement concrete of specified		
	grade including curing, centering and shuttering complete but excludingcost of		
	reinforcement with:-		
	5.19.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	13373.75
7.00	5.19.2 DELETED		
5.20	Encasing rolled steel sections, in grillage, with cement concrete of specified grade		
	including curing, centering and shuttering complete but excluding cost of expended metal and hangers with:-		
	5.20.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	8292.40
	5.20.2 DELETED	Cum	0272.40
5.21	Extra for providing and fixing expanded metal mesh of size 20x60 mm and strands 3.25		
0.21	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.	sqm	555.70
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	Kg	115.35
	5.22.2 Hard drawn steel wire	Kg	92.85
	5.22.3 Cold twisted bars	Kg	123.20
	5.22.4 Hot rolled deformed bars	Kg	123.20
	5.22.5 Hard drawn steel wire fabric	Kg	94.15
7.00 :	5.22.6 Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	123.20
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	V a	115 25
	5.22A.1 Whild steel and medium tensile steel bars 5.22A.2 Hard drawn steel wire	Kg Kg	115.35 92.85
	5.22A.3 Cold twisted bars	Kg Kg	123.20
	5.22A.4 Hot rolled deformed bars	Kg Kg	123.20
	5.22A.5 Hard drawn steel wire fabric	Kg Kg	94.15
	5.22A.6 Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	123.20
5.22B	Steel reinforcement for R.C.C. work ready to use "cut and bend"rebars of approved make	2	
	from factory/workshop to construction site including placing in position and binding all		

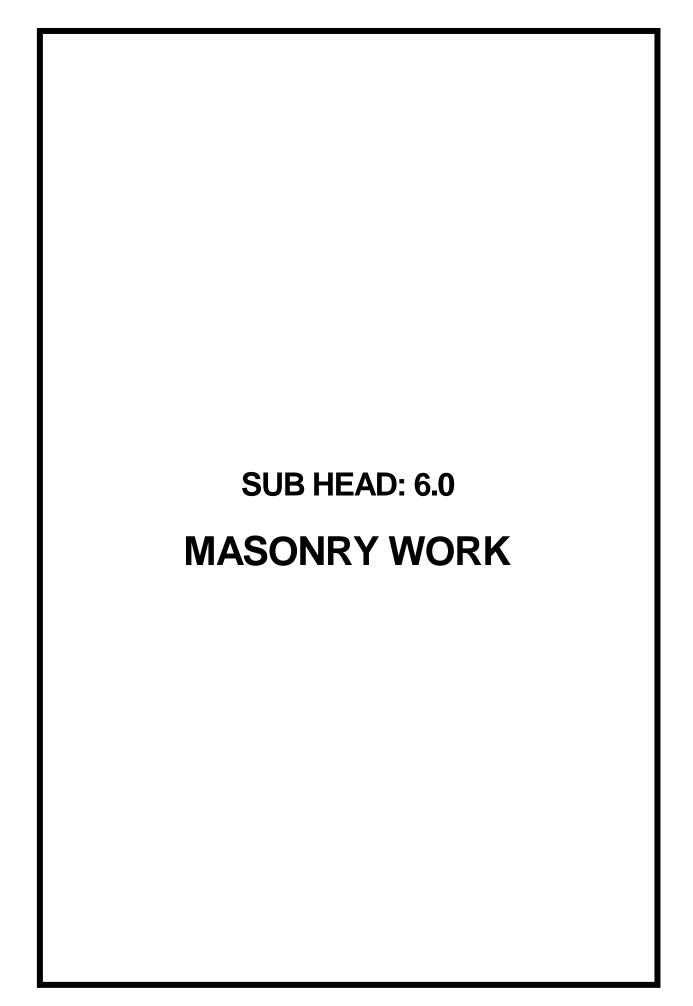
CODE	DESCRIPTION DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	OTT	RATE ₹
	complete upto plinth level.		_
	5.22B.1Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	116.25
5.22C	Steel reinforcement for R.C.C. work ready to use "cut and bend"rebars of approved make		
	from factory/workshop to construction site including placing in position and binding all		
	complete above plinth level.		
	5.22C.1Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	116.25
	MISCELLANEOUS		
5.23	Smooth finishing of the exposed surface of RCC work with 6mm thick cement mortar 1:3		
	(1 cement: 3 fine sand) including curing.	sqm	241.25
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.	sqm	135.30
5.25	Providing and fixing copper plates as per design for expansion joints	Kg	868.15
5.26	Providing and filling in position, blown bitumen in expansion joints	cum	71992.80
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 meter of coarse sand for expansion joints.	cum	31743.50
5.28	Providing and fixing in position 12 mm thick bitumen impregnated fiber board conforming	Per cm	657.15
	to IS: 1838, including cost of primer, sealing compound in expansion joints.	depth per	
		100 m	
5.29	Providing and fixing sheet covering over expansion joints with iron screws as per design 5.29.1 DELETED		
	5.29.2 Non-Asbestos Cement sheet plain 6 mm thick		
	150 mm wide	meter	203.75
	200 mm wide	meter	274.00
	5.29.3 Aluminum fluted strip 3.15 mm thick	inctor	27 1.00
	150 mm wide	meter	512.65
	200 mm wide	meter	696.80
	5.29.4 Cement bonded wood particle board 6mm thick IS: 14276		
	150 mm wide	meter	203.75
	200 mm wide	meter	274.00
5.30	Add for plaster drip course/grooves in plastered surface or moulding to R.C.C. projections	meter	62.00
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: - The quantity will be calculated by multiplying the depth measured from the		
	subsoil water level upto the centre of gravity of the R.C.C. under subsoil water with		
	the quantity of R.C.C. in cubic meter 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 and less than 0.05 m ignored. No extra payment shall be made for placing	cum per m	
	reinforcement or centering & shuttering under subsoil water conditions.	depth	788.25
5.32	Extra for laying reinforced cement concrete in or under foul position.	cum	337.15
	DESIGN MIX CONCRETE		
5.33	DELETED		
5.34	Providing and laying in position machine batched and machine mixed design mix M-25		
	grade cement concrete for reinforced cement concrete work, using cement content as per		
	approved design mix, including pumping of concrete to site of laying but excluding the		
	cost of centering, shuttering, finishing and reinforcement, including admixtures in		
	recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve		

CODE NO.	DESCRIPTION DESCRIPTION	UNIT	RATE ₹
	workability without impairing strength and durability as per direction of Engineer-in-		
	charge. Note: - Cement in this item is @ 330 kg/ cum. Excess or less cement used as		
	per design mix is content considered payable or recoverable separately.		
	5.34.1 All works upto plinth level	cum	8021.10
	5.34.2 All works above plinth level upto floor V level	cum	9412.05
5.35	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the		
	specified cement content used is payable/ recoverable separately.		
	5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC.	cum	98.80
	(Note:- Cement content considered in M-30 is @ 340 kg/cum)		
	5.35.2 Providing M-35 grade concrete instead of M-25 grade BMC/RMC.	cum	197.55
	(Note: Cement content considered in M-35 is @ 350 kg/cum).		
	5.35.3 Providing M-40 grade concrete instead of M-25 grade BMC/RMC.	cum	269.35
	(Note: Cement content considered in M-40 is @ 360 kg/cum)		
5.36	Add or deduct for using more or less cement in the items of design mix over and above the		
	specified cement content therein.	quintal	941.00
5.37	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 (1cement : 1½ coarse		
	sand: 3 graded stone aggregate 10 mm nominal size), 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 pre casting, handling, hoisting, centering and erection complete for all floor		
	levels including curing but excluding the cost of reinforcement.	cum	26030.10
5.38	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement		
	concrete work, using cement content as per approved design mix, manufactured in fully		
	automatic batching plant and transported to site of work in transit mixer for all leads,		
	having continuous agitated mixer, manufactured as per mix design of specified grade for		
	reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of		
	laying, excluding the cost of centering, shuttering finishing and reinforcement including		
	cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per		
	direction of the Engineer- in - charge. Note: - Cement content considered in this item is @		
	330 kg/ cum. Excess/ less cement used as per design mix is payable/ recoverable		
	separately.		
	5.38.1 All works upto plinth level	cum	8520.15
	5.38.2 All works above plinth level upto floor V level	cum	9911.10
5.39	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement	Cuin	7711.10
3.37	concrete work, using flyash and cement content as per approved design mix, manufactured		
	in fully automatic batching plant and transported to site of work in transit mixer for all		
	leads, having continuous agitated mixer, manufactured as per mix design of specified grade		
	for reinforced cement concrete work including pumping of R.M.C. from transit mixer to		
	site of laying, excluding the cost of centering, shuttering finishing and reinforcement		
	includingcost of admixtures in recommended proportions as per IS: 9103 to accelerate/		
	retard setting of concrete, improve workability without impairing strength and durability as		
	per direction of the Engineer- in - charge.		
	NOTE- (1) Cement content considered in this item is @ 330 kg/cum.Excess/ less cement		
	used as per design mix is payable/ recoverable separately.		
	(2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of		
	OPC as per IS: 456. Uniform blending with cement to be ensured in accordance with		
	clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of BMC and RMC.		
	5.38.1 All works upto plinth level	cum	NA
	5.38.2 All works above plinth level upto floor V level	cum	NA
	Note:-The above item shall be used judiciously where specified quality of Fly Ash is		
	available for mixing in concrete. Also, the guidelines issued by CDO, CPWD, vide circular		
	no.CDO/SE (RR)/FlyAsh (Main)/102 dated 9th April 2009 shall be followed in such cases.		

CODE NO.	DESCRIPTION	UNIT	RATE ₹
5.40	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part		
	thereof.	cum	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	cam	58.05
5.42	Providing and fixing tapered / parallel threaded couplers conforming to IS code on	sqm	36.03
3.42	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 as per direction of Engineer-in-Charge . (The length of the bars in which coupler is to be provided should not be less than 4 meter, no deduction for labour and binding wire saved for not providing lap length shall be made).		
	5.42.1 Coupler for 16 mm diameter reinforcement bar.	each	116.20
	5.42.2 Coupler for 20 mm diameter reinforcement bar.	each	161.45
	5.42.3 Coupler for 25 mm diameter reinforcement bar.	each	227.10
	5.42.4 Coupler for 28 mm diameter reinforcement bar.	each	265.60
F 15	5.42.5 Coupler for 32 mm diameter reinforcement bar.	each	315.90
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	meter	748.80
	5.43.2 300 mm wide	meter	1059.20
5.44	Providing and fixing of expansion joint system related with floor location as per drawings	meter	1039.20
3.44	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	meter	6751.70
	5.44.2 Floor joint of 150 mm gap	meter	8093.00
	5.44.3 Floor joint of 200 mm gap	meter	10103.25
5.45	Providing and fixing of expansion joint system related with wall joint (internal/ external)		
3.43	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		
	multi-cellular to facilitate movement. (Material shall confirm to ASTM 6063.)		
	5.45.1 Wall joint of 100 mm gap	meter	5928.85
	5.45.2 Wall joint of 150 mm gap	meter	6607.85
	5.45.3 Wall joint of 200 mm gap	meter	7521.00

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
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 resists 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 confirm to ASTM 6063.		
	5.46.1 Roof joint of 100 mm gap	motor	6484.10
		meter	7022.65
	5.46.2 Roof joint of 150 mm gap	meter	8230.10
5.47	5.46.3 Roof joint of 200 mm gap	meter	8230.10
5.47	Providing and fixing in position factory made precast RCC M-40 fixing with hold fast		
	embedded in 1:3:6 concrete blocks 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 nos. specially designed M.S.		
	galvanized sleeves for accommodating 6 mm dia fully threaded bolts for fixing hold fast on vertical members, providing suitable arrangement for receiving sliding door bolts and		
	towerbolt etc all complete, as per the direction of Engineer in charge. The frame shall be		
	measured in running meter correct to two places of decimal		
	5.47.1 Door frame 125 mm x 60 mm	matan	711.45
	5.47.2 Door frame 100 mm x 60 mm	meter	660.00
	5.47.3 Door frame 85 mm x 60 mm	meter	
5.48	Providing and laying Reinforced cement concrete for construction of piers, abutments,	meter	632.65
5.48	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, machineryand all related operations as required to complete the		
	work as per drawings and Specifications with all leads, lifts & 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.	cum	8150.15
	5.48.1 Reinforced Cement Concrete M-50 grade	cum	
	5.48.2 Reinforced Cement Concrete M-60 grade 5.48.2 Reinforced Cement Concrete M-60 grade cells compacting Reinforced Cement Concrete	cum	9291.10
<i>5 4</i> 0	5.48.3 Extra for using M-50/M-60 grade self –compacting Reinforced Cement Concrete	cum	614.15
5.49	Constructing cast-in situ RCC diaphragm wall by providing and layingmachine batched,		
	machine mixed, self compacting, ready mix reinforced cement concrete, tramie controlled, of M 30 grade using minimum 400 kg, coment per cum of concrete including providing and		
	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		
1	in or under water and / or liquid mud, in foul conditions and pumping or bailing out of		

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	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.	cum	18288.45
	"Excess/less cement used for design mix including the extra cement required for under		
	water concreting is payable / recoverable separately.		



6.0 (MASONRY WORK)

6.0 (MASONRY WORK)

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
6.1	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in		
	foundation and plinth including curing in:		
	6.1.1 Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6fine sand)	cum	7890.20
	6.1.2 DELETED		
	6.1.3 Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 coarse sand)	cum	7890.20
	6.1.4 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	7877.40
	6.1.5 Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	7571.55
	6.1.6 Mud Mortar	cum	6768.05
6.2	Brick work with common burnt clay Modular bricks of class designation 7.5. in		
	foundation and plinth including curing complete in :		
	6.2.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	NA
	6.2.2 Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	NA
6.3	Brick work with common burnt clay machine moulded perforated bricks of class		
	designation 12.5 conforming to I:S: 2222 in Superstructure above plinth level upto floor		
	five level in cement mortar 1:6 (1 cement : 6 coarse sand) and curing complete in:		
	6.3.1 With (non-modular) bricks	cum	NA
	6.3.2 with modular bricks	cum	NA
6.4	Extra for brick work with common burnt clay bricks/cement concrete bricks in		
	superstructure above plinth level upto floor five level	cum	1455.65
6.5	Extra for brick work/tile brick/AAC block masonry in superstructure above floor V level		
	for each four floors or part thereof by mechanical means:	cum	142.00
6.6	Extra for brick work in:		
0.0	6.6.1 Square or rectangular pillars	cum	756.10
<i>(</i> 7	Extra for brick work with bricks of class designation 75 curved on plan upto a mean	Cuiii	730.10
6.7	radius not exceeding 6 meters.	aum	994.40
6.8	Extra for cutting or chamfering of bricks to required shape in masonry work.	cum	33.20
0.0	Extra for cutting or channering of bricks to required snape in masonry work.	meter	33.20
6.9	Extra for forming cavity 5 cm to 7.5 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 25mmx3 mm section at not less than 3 ties per sqm as per approved		
	design.	sqm	204.55
6.10	Providing half brick masonry with common burnt clay (non-modular) bricks of class	1	
	designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure for		
	closing cavity 5 to 7.5cm wide in cavity wall and curing complete with 10 cm / 11.4 cm		
	wide bitumen felt type 3 grade 1.	meter	305.40
6.11	Brick work 7 cm thick with common burnt clay (non-modular) bricks of class		
	designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above		
	plinth level and upto floor V level including curing complete.	sqm	877.10
6.12	Brick work in plain arches in superstructure above plinth level and upto floor V level	~ 1	
0.12	including centering, shuttering and curing complete for span upto 6 meters with common		
	burnt clay (non-modular) bricks of class designation 7.5 in cement mortar 1:3 (1 cement		
	: 3 coarse sand)	cum	15245.95
6.13	Brick work in gauged arches in superstructure above plinth level and upto floor V level		112.0.70
0.13	in cement mortar 1:3 (1 cement : 3 coarse sand) including centering, shuttering and		
	curing complete, for span upto 6 meters with common burnt clay (non-modular) bricks		
	of class designation 7.5.	cum	18466.90
6.14	Extra for additional cost of centering for arches exceeding 6 m span including all	Culli	10400.70
6.14	shuttering, bolting, wedging and removal (Area of the soffit to be measured)	sam	1120.25
	Half brick masonry	sqm	1120.23
<i>c</i> 15			
6.15	Half brick masonry with common burnt clay (non-modular) bricks of class designation		
	7.5 in foundations and plinth including curing in:		001.50
	6.15.1 Cement mortar 1:3 (1 cement : 3 coarse sand)	sqm	981.50
(1)	6.15.2 Cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	947.25
6.16	Extra for half Brick masonry in superstructure above plinth level upto floor V level.	sqm	159.65

6.0 (MASONRY WORK)

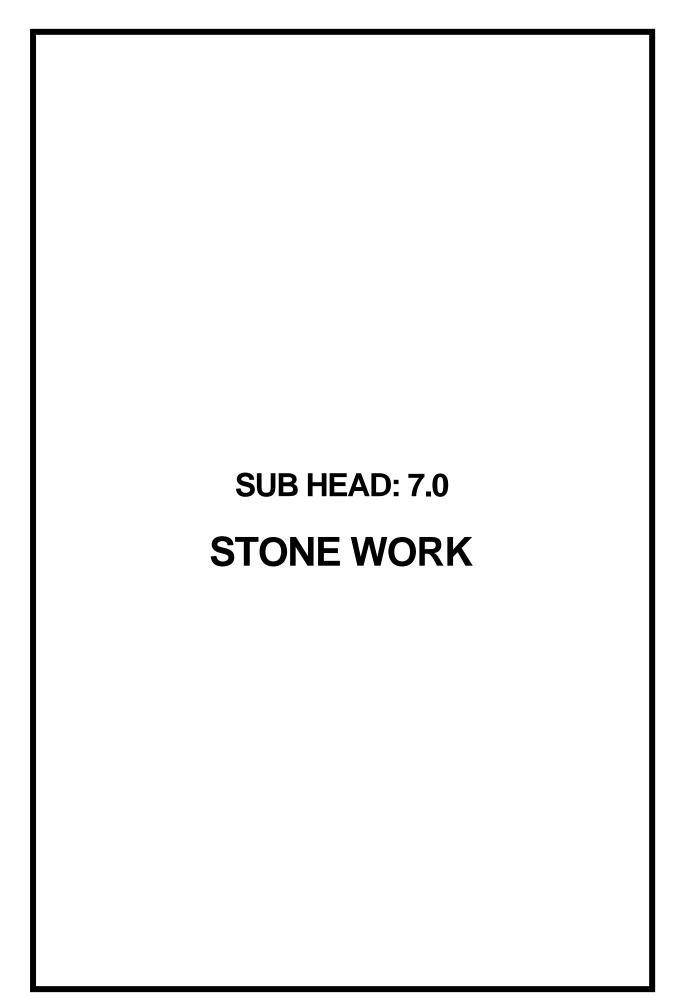
CODE	DESCRIPTION DESCRIPTION	UNIT	RATE
NO.			₹
6.17	Extra for half Brick masonry in superstructure, above floor V level for every four floors		12.60
	or part thereof by mechanical means. Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third	sqm	12.60
	course of half brick masonry.	cam	126.55
	Providing bricks band 10cm / 7.0 cm thick 5 cm / 5.7 cm projected from wall face, in	sqm	120.33
6.19	bricks of class designation 7.5 laid in cement mortar 1:4 (1 cement : 4 coarse sand) and		
	curing complete.	meter	42.05
	Note: For items where modular bricks are used, the thickness of drip course / string	inctci	42.03
	course / band shall be 10 cm and where 22.9 cm x 11.4 cm x 7 cm bricks are used,		
	the thickness shall be 7.0 cm		
	Brick Tile Work		
6.20	Tile brick masonry with common burnt clay tile bricks of class designation 10 in		
	foundation and plinth including curing complete in:		
	6.20.1 Lime mortar 1:1:1 (1 lime putty: 1 surkhi: 1 fine sand)	cum	13770.50
	6.20.2 Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 fine sand)	cum	14311.65
	6.20.3 Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 coarse sand)	cum	14311.65
	6.20.4 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	14291.10
	6.20.5 Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	13801.80
6.21	Tile brick masonry with common burnt clay machine moulded tile bricks of class		
	designation 12.5 conforming to IS 2690 (Part 1) - 1993 in foundation and plinth in		
	cement mortar 1:6 (1 cement: 6 coarse of sand) including curing complete.	cum	NA
6.22	Extra for tile bricks masonry with common burnt clay tile bricks in superstructure above		
	plinth level upto floor five level.	cum	1553.55
6.23	Deduct for using common burnt clay tile bricks of class designation 7.5 instead of tile		
	bricks of class designation 10 in tile brick masonry.	cum	NA
6.24	Extra for tile bricks masonry with common burnt clay tile bricks in square or rectangular		
	pillars.	cum	1083.15
6.25	Extra for tile brick masonry with common burnt clay tile bricks curved on plan upto a		
	mean radius not exceeding 6 meters.	cum	1666.25
6.26	Tile brick masonry with common burnt clay non modular tile bricks of class designation		
	10 in plain arch work in superstructure above plinth level upto floor five level in cement		
	mortar 1:4 (1cement :4 coarse sand) including curing, centering and shuttering complete.	cum	21475.65
6.27	Tile brick masonry with common burnt clay non modular tile bricks of class designation		
	10 in gauged arch work in superstructure in cement mortar 1:4 (1 cement : 4 coarse		
	sand) including curing, centering and shuttering complete.	cum	24675.65
6.28	Tile brick masonry work 5cm thick with common burnt clay non modular tile bricks of		
	class designation 10 in cement mortar 1:3 (1 cement : 3 coarse sand) and curing complete		10100
	in superstructure above plinth level upto floor five level.	sqm	1012.25
- •0	Honey comb work		
6.29	Honey-comb brick work 10/11.4 cm thick with common burnt clay (non-modular) bricks		
	of class designation 75 in superstructure above plinth level upto floor five level in		510.1 0
	cement mortar 1:4 (1 cement : 4 coarse sand) including curing complete	sqm	713.10
6.30	Moulding and cornices Providing 10 and 77 0 are think and 5 are 5 7 are provided at thing course with height of places.		
	Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course with bricks of class	moter	42.00
	designation 7.5 in cement mortar 1:4 (1 cement: 4 coarse sand) and curing complete.	meter	42.90
6.31	Moulding and cornices with brick masonry in cement mortar 1:4 (1 cement: 4 coarse	per meter	4.05
	sand) girth to be measured in cm and length in running meter.	per cm	4.95
- C 22	Entro for loving baids would in an under mater and/ or limit and industry.	girth	
6.32	Extra for laying brick work in or under water and/ or liquid mud including cost of	cum per	700 25
	pumping or bailing out water and removing slush etc. complete.	meter	788.25
	Note: The quantity will be calculated by multiplying the depth measured from sub-	depth	
	soil water level upto the centre of gravity of brick work under sub-soil water with		

6.0 (MASONRY WORK)

CODE NO.	DESCRIPTION USAGE TO THE PROPERTY OF THE PROPE	UNIT	RATE ₹
	the quantity of brick work in cum executed under the sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1m, 0.05m or more shall be taken as 0.1m and less than 0.05m ignored.		
6.33	Extra for laying brick work in or under foul position.	cum	337.15
6.34	Exposed Brick work Brick work with common burnt clay selected 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) including curing complete in: 6.34.1 From ground level upto plinth level		
	6.34.1.1 With Non Modular bricks	cum	7744.60
	6.34.1.2 With Modular bricks6.34.2 Above plinth level and upto floor V level	cum	NA
	6.34.2.1 With Non Modular bricks	cum	9274.25
	6.34.2.2 With Modular bricks	cum	NA
6.35	Brick work with common burnt clay machine moulded 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) including curing complete in: 6.35.1 From ground level upto plinth level 6.35.1.1 With Modular bricks	cum	NA NA
	6.35.1.2 With Non Modular bricks6.35.2 Above plinth level and upto floor V level6.35.2.1 With Modular bricks	cum	NA NA
	6.35.2.2 With Non Modular bricks	cum	NA
6.36	Brick work with common burnt clay machine moulded perforated bricks of class designated 12.5 conforming to IS: 2222 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) including curing complete. 6.36.1 From ground level upto plinth level 6.36.1.1 With Modular bricks 6.36.1.2 With Non Modular bricks 6.36.2 Above plinth level and upto floor V level 6.36.2.1 With Modular bricks 6.36.2.2 With Non Modular bricks	cum cum	NA NA NA
6.37	Brick work in clay fly ash (non-modular) bricks of class designation 7.5 in superstructure above plinth level upto floor five level and curing complete in: 6.37.1 Cement mortar 1:4 (1 cement : 4 coarse sand) 6.37.2 Cement mortar 1:6(1cement : 6 coarse sand)	cum cum	8664.95 8359.15
6.38	Brick work with non modular fly ash bricks confirming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level upto floor five level including curing complete in: 6.38.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	7155.05
6.39	6.38.2 Cement mortar 1:6(1cement : 6 coarse sand) Brick work with modular Calcium silicate bricks machine moulded conforming to IS:4139, class designation 10, average compressive strength in super structure above	cum	6885.90
	plinth level upto floor V level including curing complete in: 6.39.1 Cement mortar 1:4 (1 cement : 4 coarse sand) 6.39.2 Cement mortar 1:6(1cement : 6 coarse sand)	cum cum	7871.75 7602.65
6.40	Brick work with modular extruded burnt fly ash clay sewer brick (conforming to IS:4885) in foundation and plinth including curing complete in cement mortar 1:4 (1 cement : 4 coarse sand)	cum	6031.25
6.41	Brick work with modular extruded burnt fly ash clay sewer brick (conforming to IS: 4885) in arches in foundation and plinth in cement mortar 1:3 (1 cement: 3 fine sand) including curing complete.	cum	12471.05

6.0 (MASONRY WORK)

CODE	DESCRIPTION 6.0 (MASONRY WORK)	UNIT	RATE
NO.	DESCRIPTION	UNII	KAIE
6.42	Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick		
0.72	AAC blocks in superstructure above plinth level upto floor V level in cement mortar 1:4		
	(1 Cement : 4 coarse sand) and curing complete. The rate includes providing and placing		
	in position 2 nos. 6 mm dia M.S bars at every third course of masonry work.	cum	8650.00
6.43	Providing and laying gypsum panel partitions 100mm thick with water proof gypsum	Cuiii	8030.00
0.43	panels of size 666 x 500 x 100mm made of calcite phosphor gypsum fixed with tongue		
	and groove jointed with bonded plaster as per manufacturers' specifications in super		
	structure above plinth level up to V floor level. Gypsum blocks will have a minimum	Cam	859.95
C 11	compressive strength of 9.3kg per/cm ²	Sqm	839.93
6.44	Extra for gypsum panel partition in super structure above floor V level for every four		120.00
C 15	floors or part thereof.	sqm	128.00
6.45	Half brick masonry with non modular fly ash bricks of class designation 10, conforming		
	to IS: 12894, in superstructure above plinth level and upto floor V level and curing		
	complete in:		014.00
	6.45.1 Cement mortar 1:3 (1 cement : 3 coarse sand)	sqm	914.90
- 4 -	6.45.2 Cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	880.65
6.46	DELETED		
6.47	Making plinth protection with common burnt clay bricks of class designation 7.5 laid on		
	edge in cement mortar 1:6 (1 cement : 6 coarse sand) with 12 mm thick bed of cement		
	mortar 1:6 (1 cement : 6 coarse sand) over 75 mm bed of dry brick aggregate 40mm		
	nominal size rammed, consolidated and grouted with fine sand. The top of bricks pointed		
	with cement mortar 1:3 (1cement: 3 fine sand) and curing complete.	sqm	1390.45
6.48	Brick edging 7cm wide 11.4cm deep to plinth protection with common burnt clay (non-		
	modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1		
	Cement : 4 fine sand) and curing complete.	meter	66.25
6.49	DELETED		
6.50	DELETED		
6.51	DELETED		
6.52	Providing and laying autoclaved aerated cement blocks masonry		
	with 150mm/230mm/300 mm thick 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).	cum	6868.60

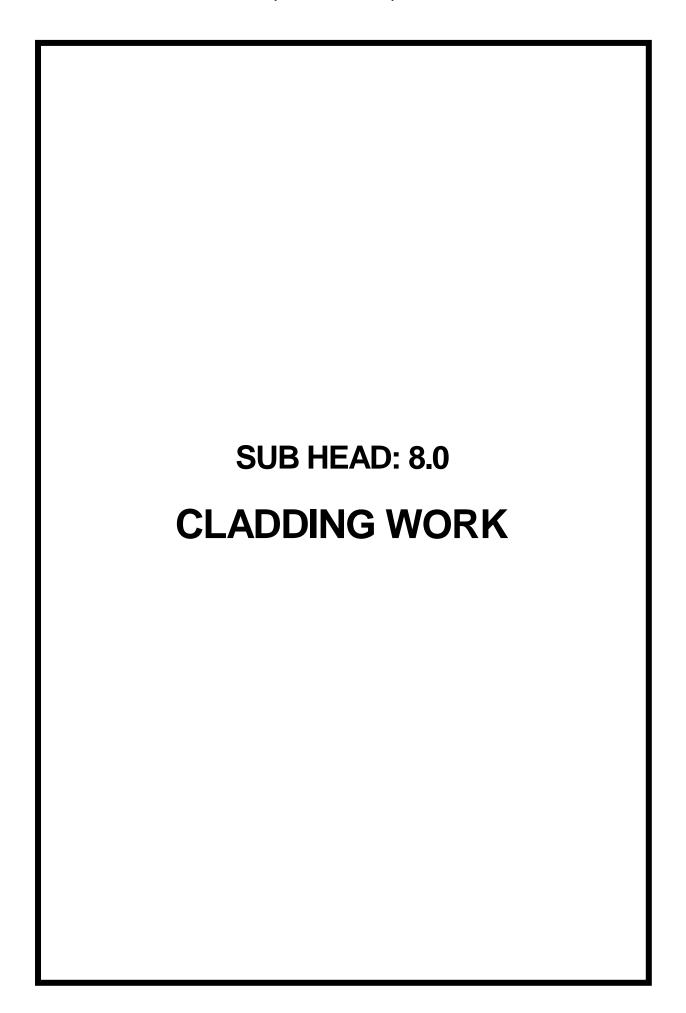


CODE	7.0 (STONE WORK)	TINITE	D A men
CODE	DESCRIPTION	UNIT	RATE ∓
NO.	DANDOM BURBLE MACONDY		₹
7 1	RANDOM RUBBLE MASONRY	Determine	
7.1	Random Rubble masonry with hard stone in foundation and plinth	Rate per	cum
	including leveling up with cement concrete 1:6:12 (1 Cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level and		В
	curing complete with:	A	<u>Nallah</u>
	7.1.1 Cement mortar 1:6 (1 Cement : 6 coarse sand)	Quarry 7677.35	5402.90
	7.1.2 Lime mortar 1:1:1 (1 Lime putty: 1 Surkhi: 1 Fine sand)	7651.55	5377.05
7.2	Random Rubble masonry with hard stone in superstructure above plinth	7031.33	3377.03
7.4	level and upto floor five level, including levelling up with cement concrete	Rate per	cum
	1:6:12 (1 Cement : 6 coarse sand : 12 graded stone aggregate 20mm	rate per	Cum
	nominal size) and curing complete at window sills, ceiling level and the	A	В
	like:	Quarry	<u>Nallah</u>
	7.2.1 Cement mortar 1:6 (1 Cement : 6 coarse sand)	9131.90	6857.45
	7.2.2 Lime mortar 1:1:1 (1 Lime putty: 1 Surkhi: 1 Fine sand)	9106.10	6831.60
7.3	Dry random rubble masonry with hard stone in foundation and plinth:	Rate per	
		A	В
		Quarry	<u>Nallah</u>
	7.3.1 With bond stone.	5536.55	3262.10
	7.3.2 Without bond stone		2793.80
7.4	Extra for random rubble masonry with hard stone in:		
	7.4.1 Square or rectangular pillars	cum	769.35
	7.4.2 Circular pillars	cum	2584.65
7.5	Extra for random rubble masonry with hard stone curved on plan for a		
	mean radius not exceeding 6 m.	cum	978.40
	COURSED RUBBLE MASONRY	Rate per	cum
7.6	Coursed Rubble Masonry with hard stone in foundation and plinth and	A	В
	curing complete with:	1st Sort	2 nd Sort
	7.6.1 Cement mortar 1:6 (1 Cement : 6 coarse Sand)	9259.90	8553.15
	7.6.2 Lime mortar 1:1:1 (1 Lime putty: 1 Surkhi: 1 Fine sand)	9236.40	8529.65
7.7	Coursed rubble masonry with hard stone (first or second sort) in	Rate per	
	superstructure above plinth level and upto floor five level including curing	A 1st Com	B
	complete with: 7.7.1 Cement mortar 1:6 (1 Cement : 6 coarse Sand)	1st Sort 10691.15	2 nd Sort 9984.35
	7.7.1 Cement mortar 1:0 (1 Cement : 0 Coarse Sand) 7.7.2 Lime mortar 1:1:1 (1 Lime putty: 1 Surkhi: 1 Fine sand)	10691.15	
7.8	Extra for coursed rubble masonry with hard stone (First or second sort) in :	10007.02	9900.90
7.0	7.8.1 Square or rectangular pillars	cum	857.75
	7.8.2 Circular pillars	cum	2926.50
7.9	Extra for coursed rubble masonry with hard stone (First or second sort)	Cum	2)20.30
1.5	curved on plan for a mean radius not exceeding 6 metres.	cum	1069.45
	randon production of the control of		
	ASHLAR MASONRY		
7.10	Stone work 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 and curing complete:		
	7.10.1 In Plain Ashlar		
	7.10.1.1 One face desssed		
	7.10.1.1 One face desssed A Red sand stone	cum	48741.05
		cum cum	48741.05 73709.65
	A Red sand stone B White sand stone 7.10.1.2 Both faces dressed		73709.65
	A Red sand stone B White sand stone 7.10.1.2 Both faces dressed A Red sand stone		73709.65 66592.65
	A Red sand stone B White sand stone 7.10.1.2 Both faces dressed A Red sand stone B White sand stone	cum	73709.65
	A Red sand stone B White sand stone 7.10.1.2 Both faces dressed A Red sand stone B White sand stone 7.10.2 In Ashlar Punched (ordinary)	cum	73709.65 66592.65
	A Red sand stone B White sand stone 7.10.1.2 Both faces dressed A Red sand stone B White sand stone	cum	73709.65 66592.65

CODE	DESCRIPTION 7.0 (STONE WORK)	UNIT	RATE
NO.	BESCHI TON	CIVII	₹
1,0,	B White sand stone	cum	70861.75
	7.10.2.2 Both faces punched	Cum	70001.75
	A Red sand stone	cum	60896.75
	B White sand stone	cum	85865.35
7.11	Stone work plain ashlar in super structure upto floor five level in cement	Cum	02003.32
7.11	mortar 1:3 (1 cement :3 coarse sand) including centering, shuttering and		
	pointing with cement mortar 1:2 (1 white cement: 2 stone dust) with an		
	admixture of pigment matching the stone shade and curing complete:		
	7.11.1 In Arches		
	7.11.1.1 One face desssed		
	A Red sand stone	cum	55959.25
	B White sand stone	cum	80927.85
	7.11.1.2 Both faces dressed		00, 2, 100
	A Red sand stone	cum	73810.80
	B White sand stone	cum	98779.40
	7.11.2 In Domes		
	7.11.2.1 One face dressed		
	A Red sand stone	cum	90146.65
	B White sand stone	cum	115115.20
	7.11.2.2 Both faces dressed		
	A Red sand stone	cum	135619.65
	B White sand stone	cum	160588.25
7.12	Extra for stone work, random rubble masonry/coarse rubble masonry/ashlar		
	masonry above floor V level for every four floors or part thereof.	cum	1479.75
7.13	Extra for plain ashlar or ashlar punched in:		
	7.13.1 Square or rectangular pillars	cum	3000.35
	7.13.2 Circular pillars	cum	9001.00
7.14	Extra for stone work, plain ashlar or ashlar punched curved on plan with a		
	mean radius not exceeding 6 m.	cum	2087.20
7.15	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).	sqm	1118.90
7.16	Stone work, ashlar sunk or moulded or sunk and moulded upto floor five		
	level in cement mortar 1:6 (1Cement: 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 and curing complete.		
	A Red sand stone	cum	71372.55
	B White sand stone	cum	96341.15
7.17	Extra for stone work, ashlar sunk or moulded or sunk and moulded or		
	carved in:		
	7.17.1 Triangular or Square or Rectangular pillars	cum	3913.45
	7.17.2 Circular or polygonal pillars	cum	11088.15
7.18	Extra for stone work, ashlar sunk or moulded in cornice	per mtr	46.50
		per cm	
		girth	
7.20	Extra for stone work (Veneer work) curved on plan with a mean radius not		
	exceeding 6 m.	cum	3000.35
7.23	Providing and fixing stone dowels 10 x 5 x 2.50 cm cut to double wedge		
	shape as per design in cement mortar 1:2 (1 cement: 2 coarse sand)		
	including making the necessary chases.	each	56.40
7.25	Providing and fixing sloping chajja of stone 40mm thick and upto 80cm		
	wide beyond the wall as measured along the slope in cement mortar 1:4 (1		
	Cement: 4 coarse sand) with 12mm diameter anchoring steel bar 45 cm		
	long fixed in each stone and supported on and including with brick cover in		

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	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.:		
	7.25.1 Red sand stone.		
	7.25.1.1 With common burnt clay (non modular) bricks of class		
	designation 7.5	sqm	2261.00
	7.25.2 White sand stone		
	7.25.2.1 With common burnt clay (non modular) bricks of class		
	designation 7.5	sqm	2294.45
7.26	Providing and fixing horizontal chajja of stone 40mm thick and upto 80cm		
	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.		
	7.26.1 Red sand stone	sqm	1414.15
	7.26.2 White sand stone	sqm	1446.25
7.27	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 and curing complete.	sqm	1650.35
7.28	Providing and fixing red sand stone brackets 55 x 22.5 x 45 cm sunk and		
	moulded including providing and fixing with 4 No's, gun metal cramps 25		
	x 6mm 30cm long and dowel bars 7.5cm long 6mm dia as per design.	each	5308.30
7.29	Stone work, plain in copings, cornices, string courses and plinth courses,		
	upto 75mm thick, in cement mortar 1:6 (1 cement : 6 Coarse sand)		
	including pointing with white cement mortar 1:2 (1 cement : 2 Stone dust)		
	with an admixture of pigment matching the stone shade& curing complete.		
	7.29.1 Red sand stone	cum	69239.25
	7.29.2 White sand stone	cum	94207.85
7.30	30 mm thick red sand stone shelves fixed in walls in cement mortars 1:3 (1		761.00
	cement: 3 coarse sand) including finishing& curing complete.	sqm	761.80
7.31	30 mm thick red sand stone shelves (chisel dressed) supported on 40 x 40 x		
	6 mm T or angle iron brackets 0.75 mtr apart fixed on 15 x 10 x 10 cm		
	blocks of cement concrete 1: 3: 6 (1 cement: 3 coarse sand: 6 graded		970.25
	stone aggregate 20mm nominal size) and curing complete.	sqm	879.35
7.32	30 mm thick red sand stone shelves (chisel dressed) supported on precast		
	reinforced cement concrete brackets 1:1½:3 (1 cement: ½ coarse sand: 3		
	graded stone aggregate 12.5mm nominal size) fixed 0.75m apart in walls		
	with cement mortar 1:4 (1 cement: 4 coarse sand) with section of the		
	bracket 5x10cm at the wall and tapering to 5x5cm at the free end with a		
	loop reinforcement of one 10 mm dia bar per bracket including curing	cam	1167.20
7 22	complete. 30 mm red sand stone shelves (chisel dressed) supported on 5 x 10cm sal	sqm	1167.30
7.33	wood brackets 0.75mtr apart fixed in wall with cement mortar 1:4 (1		
	cement: 4 coarse sand) and curing complete.	cam	2315.70
7.34	Providing and fixing in cement mortar 1:6 (1 cement : 6 coarse sand) red	sqm	2313.70
1.34	sand stone slab 30mm thick and curing complete over:		
	7.34.1 Drains	sqm	595.40
	7.34.1 Drains 7.34.2 Flue tops	sqm	589.30
7.35	Providing and fixing stone jali 40 mm thick throughout in cement mortar	54111	207.50
1.33	1:3 (1 cement : 3 Coarse sand) including pointing in white cement mortar		
	1:2 (1 cement : 2 Stone dust) with an admixture of pigment matching the		
	stone shade, Jali slab without any chamfers etc and curing complete.		
	7.35.1 Red sand stone	sqm	11842.90
	7.35.2 White sand stone	sqm	11872.35
	Time said stone	94111	110/2.33

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
7.36	Extra for laying stone work in or under water and / or liquid mud including	cum	
	cost of pumping or bailing out water and removing slush etc. complete.	Per	788.25
	Note: - The Quantity will be calculated by multiplying the depth	mtr	
	measured from sub -soil water level upto the centre of gravity of stone	depth	
	work under sub-soil 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 0.0m ignored.		
7.37	Extra for laying stone work in or under foul positions	cum	337.15
7.40	Stone tile work for wall lining upto 10m height with special adhesive like		
	araldite or equivalent over 12mm 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.		
	7.40.1 8mm thick (mirror polished and machine cut edges)		
	7.40.1.1 Granite stone of any colour and shade	sqm	2774.30
	7.40.1.2 Raj Nagar plain white marble/Udaipur green marble/Zebra black		
	marble	sqm	NA
	DEVRI STONE WORK		
7.44	Providing and laying chisel dressed Devri Stone of size 300x200 mm face		
	with 150 mm depth in cement mortar 1: 6 (1 cement : 6 coarse sand) upto		
	plinth level including curing.		
	One face dressed		
	7.44.1 Fine chisel dressed	sqm	10055.90
	7.44.2 Rough chisel dressed	sqm	8617.05
7.45	Extra for fine chisel dressed Devri Stone in square or rectangular Pillars	sqm	128.60
7.46	Providing and laying rough chisel dressed Devri Stone in kerbs, of size		
	200x200 mm face with chamfer in cement mortar 1: 6 (1 cement : 6 coarse		
	sand) including curing.	metre	2616.20



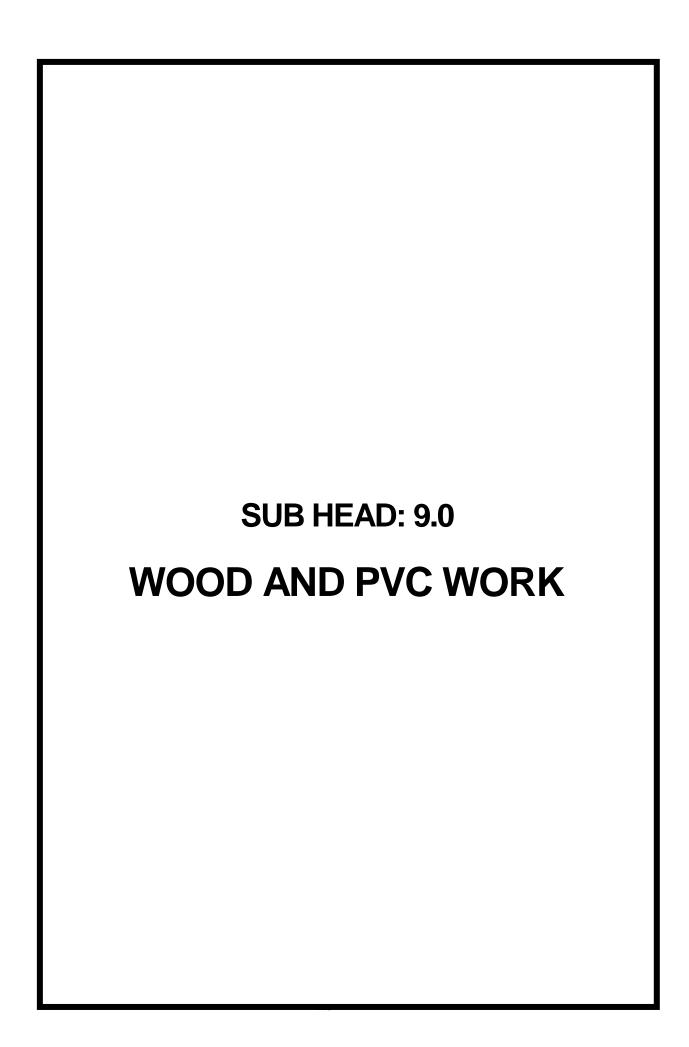
4 - 11 114	8.0 (CLADDINGWORK)	TINITE	DATE
CODE NO.	DESCRIPTION	UNIT	RATE ₹
8.1	Marble work gang saw cut (polished and machine cut) of thickness 16 mm for wall lining	Rate per	
0.1	(veneer work), backing filled with a grout of 12 mm thick average in cement mortar 1:3 (1 cement: 3 coarse sand), including 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	16mm	18mm
	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 0.5 sqm)	4954.95	NA
	8.1.1.2 (Area of slab over 0.5 sqm)	5609.40	NA
8.2	Providing and fixing 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	Rate per 16mm	sqm 18mm
	matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to 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 0.5 sqm)	3281.75	NA
	8.2.1.2 (Area of slab over 0.5 sqm)	3455.20	NA
	8.2.2 Granite of any colour or shade		
	8.2.2.1 (Area of slab upto 0.5 sqm)	4550.35	4655.70
	8.2.2.2 (Area of slab over 0.5 sqm)	2994.60	2994.60
8.3	Providing edge moulding to 18 mm/16 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	metre	224.25
	8.3.2 Granite Work	metre	381.70
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.	metre	471.65
8.5	Extra for providing opening of required size and shape for wash basin/ kitchen sink in		
	kitchen platform, vanity counters 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.	each	778.50
8.6	Mirror polishing on marble work/granite/stone work where ever required to give high gloss finish complete.	sqm	372.30
8.7	Providing and fixing cramps of required size and shape in RCC/CC/brick masonry backing with cement mortar 1:2 (1 cement: 2 coarse sand) including curing & drilling		
	necessary hole in stones and embedding the cramp in the whole (fastener to be paid separately).		
	separately). 8.7.1 Gunmetal cramps	kg	674.90
	separately). 8.7.1 Gunmetal cramps 8.7.2 Stainless steel cramps.	kg kg	674.90 677.10
8.8	separately). 8.7.1 Gunmetal cramps 8.7.2 Stainless steel cramps. Providing and fixing expansion hold fasteners on CC / R.C.C./brick masonry surface backing including drilling necessary holes and the cost of bolt etc. complete. 8.8.1 Wedge expansion type		677.10
8.8	separately). 8.7.1 Gunmetal cramps 8.7.2 Stainless steel cramps. Providing and fixing expansion hold fasteners on CC / 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 6mm		677.10 33.10
8.8	separately). 8.7.1 Gunmetal cramps 8.7.2 Stainless steel cramps. Providing and fixing expansion hold fasteners on CC / 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 6mm 8.8.1.2 Fastener with threaded dia 10mm	kg	33.10 33.45
	separately). 8.7.1 Gunmetal cramps 8.7.2 Stainless steel cramps. Providing and fixing expansion hold fasteners on CC / 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 6mm 8.8.1.2 Fastener with threaded dia 10mm 8.8.1.3 Fastener with threaded dia 12mm	kg each	677.10 33.10
	separately). 8.7.1 Gunmetal cramps 8.7.2 Stainless steel cramps. Providing and fixing expansion hold fasteners on CC / 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 6mm 8.8.1.2 Fastener with threaded dia 10mm	each each	33.10 33.45
8.8	separately). 8.7.1 Gunmetal cramps 8.7.2 Stainless steel cramps. Providing and fixing expansion hold fasteners on CC / 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 6mm 8.8.1.2 Fastener with threaded dia 10mm 8.8.1.3 Fastener with threaded dia 12mm Stone tile (polished) work for wall lining over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3kg/sqm including pointing in white cement with curing complete.	each each	33.10 33.45
	separately). 8.7.1 Gunmetal cramps 8.7.2 Stainless steel cramps. Providing and fixing expansion hold fasteners on CC / 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 6mm 8.8.1.2 Fastener with threaded dia 10mm 8.8.1.3 Fastener with threaded dia 12mm Stone tile (polished) work for wall lining over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3kg/sqm including pointing in white cement with curing complete. 8.9.1 8mm thick	each each each	33.10 33.45 53.85

CODE	8.0 (CLADDINGWORK) DESCRIPTION	UNIT	RATE
NO.			₹
8.10	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep, 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 8.10.2 Granite Stone of approved shade	Rate per 16mm 3698.40 3698.40	3698.40 3698.40
8.11	Providing and fixing machine cut, mirror / egg shell polished, Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, 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. a. 18 mm thick Italian Marble stone slab, Perlato, Rosso Verona, Fire Red or Dark Emperadore etc.	sqm	9580.45
8.13	Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 m height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1cement: 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 and curing complete: (To be secured to the backing by means of cramps which shall be paid for separately): 8.13.1 Red sand stone - exposed face fine dressed with rough backing 8.13.1.1 70mm thick 8.13.1.2 60mm thick 8.13.1.3 50mm thick	sqm sqm sqm	4644.75 4502.30 4359.90
	8.13.1.4 40mm thick 8.13.1.5 30mm thick 8.13.2 Red Sand Stone - Exposed face machine cut and table rubbed with rough backing	sqm sqm	4216.80 4074.05
	8.13.2.1 70mm thick 8.13.2.2 60mm thick 8.13.2.3 50mm thick 8.13.2.4 40mm thick 8.13.2.5 30mm thick 8.13.3. White Sand Stone - Exposed face fine dressed with rough backing.	sqm sqm sqm sqm	6440.05 6298.45 6156.10 6013.00 5870.20
	8.13.3.1 70mm thick 8.13.3.2 60mm thick 8.13.3.3 50mm thick 8.13.3.4 40mm thick 7.13.3.5 30mm thick 8.13.4 White sand stone - Exposed face machine cut and table rubbed with rough	sqm sqm sqm sqm	6393.15 6000.75 5609.30 5214.85 4823.10
	backing 8.13.4.1 70mm thick 8.13.4.2 60mm thick 8.13.4.3 50mm thick 8.13.4.4 40mm thick 8.13.4.5 30mm thick 8.13.5 Gang saw cut stone 8.13.5.1 30 mm thick white sand stone 8.13.5.2 30 mm thick red sand stone	sqm sqm sqm sqm sqm	8188.75 7796.95 7405.45 7011.05 6619.25 2636.55 2518.50
8.14	Providing and fixing 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		

CODE	DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	UNII	KA1E ₹
110.	walls wherever required		-
	8.14.1 Gunmetal Cramps 25 x 6 mm - 30 cm long	each	133.00
	8.14.2 Stainless Steel Cramp	kg	677.10
8.15	Providing and fixing adjustable stainless steel cramps of approved quality and of required		
	shape and size adjustable with stainless steel nuts, bolts and washers (total weight not less		
	than 260gms) 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 the		
	direction of engineer-in-charge.	each	357.20
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.	each	47.75
8.17	Wall lining butch work upto 10 m height with Dholpur stone 40mm thick rough facing on		
	the exposed surface with stone strips of minimum length 300mm and required width		
	including embedding every tenth layer and bottom most layer in masonry or concrete after		
	making necessary chases of size 75 x 75mm and by providing layer of 75 thick strips		
	including 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) including ruled		
	pointing in cement mortar 1: 2 (1 white cement : 2 stone dust) with an admixture of		
	pigment to match the shade of the stone and curing complete as per the directions of	0.0000	2626 20
8.18	engineer-in-charge. Stone work (machine cut edges Veneer work) for wall lining upto 10 m height, backing	sqm	2626.30
0.10	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 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)		
	8.39.1 Kota stone slab exposed face dressed & rubbed		
	8.39.1.1 25 mm thick	sqm	3256.40
		1	
8.19	Extra 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.	sqm	148.65
8.20	Providing and fixing dry cladding upto 10 m heights with 30 mm thick gang saw cut stone		
	with(machine cut edge) of uniform colour and size upto 1mx1m, 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)		
	8.42.1 Red sand stone	sqm	2427.05
0.21	8.42.2 White sand stone.	sqm	2545.05
8.21	Providing and fixing structural steel frame (for dry cladding with 30mm 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 MS 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 agg 20mm nominal) size) of size 300x230x300mm including cost of		
	necessary centering & 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		
	payments, stainless steel cramps shall be paid for separately and nothing extra shall be		
	paid.)	kg.	240.40

CODE	8.0 (CLADDINGWORK) DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	UNII	KA1E ₹
8.22	Providing 50x50x50mm 2nd class teak wood plugs including cutting brick work and		
0.22	fixing in cement mortar 1:3 (1cement:3 fine sand)and making good the walls, etc	each	38.65
8.23	Providing and fixing expandable fasteners of specified size with necessary plastic sleeves		30.03
0.20	and galvanized M.S. screws including drilling holes in masonry work / CC / R.C.C. and		
	making good, etc. complete		
	8.23.1 25 mm long	each	27.05
	8.23.2 32 mm long	each	30.10
	8.23.3 40 mm long	each	32.80
	8.23.4 50 mm long	each	35.45
8.24	Providing and fixing plain lining tongued and grooved, including wooden plugs complete		
	with necessary screws and priming coat on unexposed surface		
	8.24.1 Second class Teak Wood		
	8.24.1.1 12 mm thick	sqm	2640.05
	8.24.1.2 20 mm thick	sqm	4020.05
	8.24.1.3 25mm thick	sqm	4959.30
	8.24.1.4 40 mm thick	sqm	7546.70
	8.24.2 Second class Deodar Wood	•	
	8.24.2.1 12 mm thick	sqm	2219.70
	8.24.2.2 20 mm thick	sqm	3319.45
	8.24.2.3 25mm thick	sqm	4083.55
	8.24.2.4 40 mm thick	sqm	6145.55
	8.24.3 DELETED	1	
8.25	Providing and fixing in wall lining of specified medium density board, pre-laminated one		
	side decorative lamination other side balancing lamination Grade I, exterior grade, with		
	necessary fixing arrangement and screws etc. complete.		
	8.25.1 Flat pressed 3 layer particle board or graded wood particle board grade-I type-II,		
	IS: 12823 marked including primer coat on unexposed surfaces		
	8.25.1.1 12 mm thick	sqm	1224.95
	8.25.1.2 18 mm thick	sqm	1313.25
	8.25.1.3 25 mm thick	sqm	1740.05
	8.25.2 MDF board IS: 1998 marked	1	
	8.25.2.1 12 mm thick	sqm	1307.50
	8.25.2.2 18 mm thick	sqm	1454.70
	8.25.2.3 25 mm thick	sqm	2308.30
8.26	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:		
	8.26.1 Second Class Teak Wood	cum	256889.45
	8.26.2 Second Class Kail Wood	cum	188049.35
	8.26.3 Kiln seasoned and chemically treated hollock wood	cum	170209.30
8.27	Providing and fixing plain panelling with skirting chair rails, and cornice with necessary		
	screws, priming coat on unexposed surface etc., complete.		
	8.27.1 Second class Teak Wood		
	8.27.1.1 12 mm thick	sqm	6066.40
	8.27.1.2 20 mm thick	sqm	7211.45
	8.27.1.3 25 mm thick	sqm	7952.50
	8.27.1.4 40 mm thick	sqm	10175.65
	8.27.2 Second class Deodar Wood		
	8.27.2.1 12 mm thick	sqm	5605.40
	8.27.2.2 20 mm thick	sqm	6510.85
	8.27.2.3 25 mm thick	sqm	7076.75
	8.27.2.4 40 mm thick	sqm	8774.50
		-	
8.28	Providing and fixing ply wood 4mm thick one side decorative veneer conforming to IS:		
		1	i .

	8.0 (CLADDINGWORK)	1	
CODE NO.	DESCRIPTION	UNIT	RATE ₹
	unexposed surface with. Decorative veneer facings of approved manufactures	sqm	1677.70
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	sqm	1550.75
8.30	Providing and fixing skirting of specified board pre laminated with (one side decorative	Rate per	sqm
	and other side balancing lamination), medium density Grade I exterior grade, with	18mm	25mm
	necessary fixing arrangements and screws including drilling necessary holes for rawl		
	Plugs etc complete.		
	8.30.1 Flat pressed 3 layer particle board or graded wood particle board grade-I type-II,		
	IS: 12823 marked including priming coat on unexposed surfaces	1791.95	2218.75
	8.30.2 MDF board conforming to IS: 14587 edges to be sealed with PVC edge bending		
	tape 2.00 mm thick of approved brand.	2180.90	3034.50
8.31	CERAMIC GLAZED TILES		
	Providing and fixing Ist 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 @ 3.3 kg per sqm, including pointing		
	in white cement mixed with pigment of matching shade complete.	sqm	1229.10
	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 equalization 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 Galvanized 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 bimetallic 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 ill the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings		
	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.	sqm	5219.35



CODE	r which rates shallbe derived from the relevant items. DESCRIPTION	UNIT	RATE
NO.			₹
9.1	Frames and trusses		
	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 and length (hold fast lugs or with dash fasteners		
	shall be paid for separately):		
	9.1.1 First class teak wood	cum	192677.45
	9.1.2 Second class teak wood	cum	161716.15
	9.1.3 First class deodar wood	cum	164074.65
	9.1.4 Second class deodar wood	cum	151248.45
	9.1.5 First class kail wood	cum	108897.35
	9.1.6 Second class kail wood	cum	101081.85
	9.1.7 Sal wood	cum	142085.65
	9.1.8 Kiln seasoned and chemically treated hollock wood	cum	74353.45
	9.1.9 DELETED		
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 fixed in position with hold fast lugs or with		
	dash fasteners of required dia and length (hold fast lugs or with dash fasteners		
	shall be paid for separately).	cum	114415.95
9.3	Providing hoisting and fixing trusses/purlins /rafters/posts/ post-plates or like	Cum	111113.75
7. .3	components including cost of screws etc. complete		
	9.3.1 Second class Kail wood	cum	177013.90
	9.3.2 First class Budloo/Fir wood		126976.45
0.4		cum	1209/0.4.
9.4	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in		
	position:		
	9.4.1 DELETED		
	9.4.2 DELETED		121440.54
	9.4.3 Sal wood	cum	131448.55
	9.4.4 DELETED		
	9.4.5 DELETED		
	9.4.6 Budloo / Fir wood	cum	40509.40
	9.4.7 Kiln seasoned and chemically treated hollock wood	cum	63629.15
9.5	Extra for circular works, such as in frames of fan light		
	9.5.1 Second class teak wood	cum	16171.60
	9.5.2 First class deodar wood	cum	16407.45
	9.5.3 Second class deodar wood	cum	15124.85
	9.5.4 First class kail wood	cum	10889.75
	9.5.5 Second class kail wood	cum	10108.20
	9.5.6 Sal wood	cum	14208.55
	9.5.7 Kiln seasoned and chemically treated hollock wood	cum	7435.65
9.6	Providing and fixing panelled or panelled and glazed shutters for doors,		•
	windows and clerestory windows fixing with butt hinges of required size with	Rate for thic	ckness of
	necessary screws, excluding panelling which will be paid for separately, all	shutter in m	m per sqm
	complete as per direction of Engineer-in-charge. (Note: -Butt hinges and		
	necessary screws shall be paid separately).	35 mm	30 mm
	9.6.1 Second class teak wood	4432.40	3933.40
	9.6.2 First Class deodar wood	4463.50	3959.70
	9.6.3 Second class deodar wood	3665.80	3284.70
	9.6.4 First class kail wood	3201.80	2892.10
	9.6.5 Second kail wood	2853.95	2597.75
	9.6.6 Kiln seasoned & chemically treated hollock wood	2483.15	2286.15
	9.6.7 Kiln seasoned & chemically treated honock wood 9.6.7 Kiln seasoned selected planks of sheesham wood	3493.30	3138.75
	9.6.8 Foreign Wood (DELETED)	5475.50	5150.75

CODE	DESCRIPTION 9.0 (WOOD& PVC WORK)	UNIT	RATE
NO.	DESCRIPTION	CIVII	₹
9.7	Providing and fixing 35 mm thick factory made laminated veneer lumber door		\
9.1	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)		
	9.7.1 12 mm thick plain grade-I, medium density flat pressed three layer		
	particle board FPT-I or graded wood particle board FPT-I, IS: 3087 marked,		2726.55
	bonded with BWP type synthetic resin adhesive as per IS: 848:	sqm	2736.55
	9.7.2 12 mm thick pre-laminated particle board (decorative lamination on		
	both sides) grade-I, 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 and pre-laminated conforming to IS:		2704.05
	12823, Grade-I, Type-II marked:	sqm	2794.05
	9.7.3 12 mm thick pre-laminated particle board (decorative lamination on one		
	side and other side balancing lamination) grade-I, 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 and pre-		
	laminated conforming to IS: 12823, Grade-I, Type-II marked:	sqm	3044.25
9.8	Providing and fixing panelling or panelling 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.		
	9.8.1 Second Class teak wood	sqm	3587.25
	9.8.2 First Class deodar wood	sqm	3612.50
	9.8.3 Second Class deodar wood.	sqm	2964.85
	9.8.4 First Class kail wood	sqm	2588.15
	9.8.5 Second Class kail wood	sqm	2305.70
	9.8.6 Kiln seasoned & chemically treated hollock wood	sqm	2038.65
	9.8.7 Foreign Wood (DELETED)		
	9.8.8 Ply wood 5 ply, 9 mm thick		
	9.8.8.1 Decorative ply wood both side decorative veneer (type 1) conforming		
	to IS 1328 BWR type	sqm	2461.95
	9.8.8.2 Decorative ply wood one side decorative veneer and		
	commercial veneer on other face (type 1) conforming IS 1328 BWR type	sqm	2429.50
	9.8.8.3 Commercial ply on both sides	sqm	1540.80
	9.8.9 Ply wood 7 ply, 9mm thick		
	9.8.9.1 Decorative ply wood one side decorative veneer and commercial		
	veneer on other face (Type -I) conforming to IS 1328 BWR type	sqm	2575.45
	9.8.10 Particle Board 12mm thick		
	9.8.10.1 Plain particle board flat pressed, 3 layer or graded wood particle board		
	medium density Grade I, IS: 3087 marked	sqm	1367.25
	9.8.10.2 Veneered flat pressed three layer or graded wood particle board with	_	
	commercial veneering on both sides Conforming to IS: 3097 grade 1	sqm	1926.75
	9.8.10.3 Pre-laminated particle board with decorative lamination on one side		
	and balancing lamination on other side, Grade I, Type II IS: 12823 marked	sqm	1764.60
	9.8.10.4 Pre-laminated particle board with decorative lamination on both sides,	•	
	Grade I, Type II IS: 12823 marked	sqm	1748.40
	9.8.11 MDF board 12 mm thick	•	
	9.8.11.1 Pre-laminated particle board with decorative lamination on both sides,		
	Grade I, Type II IS: 14587	sqm	2105.15
	9.8.12 12 mm thick Coir Veneer Board (conforming to IS: 14842)	sqm	1967.30
	9.8.13 Float glass panes	~ ~~	1,57.50
	9.8.13.1 4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm	1985.85
	9.8.13.2 5.0 mm thick glass pane (weighing not less than 12.50 kg/sqm)	sqm	2139.95
<u> </u>	7.0.13.2 3.0 mm unex grass pane (weighnig not less than 12.30 kg/sqn1)	34111	2137.73

CODE	DESCRIPTION	TINITE	DATE
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	9.8.14 Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia wire		1540.00
	and 1.4 mm wide aperture with matching wood beading	sqm	1540.30
	9.8.15 12 mm thick Marine plywood conforming to IS: 710	sqm	2283.55
0.0	9.8.16 12 mm thick Fire retardant plywood conforming to IS: 5509	sqm	2432.75
9.9	Providing and fixing fly proof wire gauge to windows and clerestory windows		
	using wire gauge with average width of aperture 1.4 mm in both directions all		
	complete.		
	9.9.1 With Galvanized M.S. Wire gauge with wire of dia 0.63 mm		1200 25
	9.9.1.1 With 2 nd class teak wood beading 62x19 mm 9.9.1.2 With 12 mm mild steel U beading	sqm	1308.35 827.40
	9.9.2 With stainless steel grade 304 wire gauge with wire of dia 0.50 mm	sqm	827.40
	9.9.2.1 With 2 nd class teak wood beading 62x19 mm	sam	1547.70
	9.9.2.2 With 12 mm mild steel U beading	sqm	1066.75
9.10	Providing and fixing glazed shutters for doors, windows and clerestory windows	sqm Rate for thick	
9.10	using 4mm thick float glass panes including ISI marked M.S. pressed butt	shutters in mi	
	hinges bright finished of required size with necessary screws.	35mm	30mm
	9.10.1 Second class teak wood	5267.50	4768.50
	9.10.1 Second class teak wood 9.10.2 First class deodar wood	5302.20	4798.35
	9.10.3 Second class deodar wood	4412.45	4031.35
	9.10.4 First class kail wood	3894.90	3585.20
	9.10.5 Second class Kail wood	3506.90	3250.75
	9.10.6 Kiln seasoned and chemically treated hollock wood	3091.70	2894.70
	9.10.7 Kiln seasoned and selected planks of sheesham wood.	4220.5	3865.50
	9.10.8 Foreign Wood (DELETED)		
9.11	Providing and fixing 30 mm thick factory made laminated veneer lumber glazed		
	shutter conforming to IS: 14616 and TADS 15: 2001 (Part B), using 4mm thick		
	float glass panes for doors, windows and clerestory windows fixing with ISI		
	marked butt hinges of required size with necessary screws as per directions of		
	Engineer-in-charge.(Note:- Butt hinges and necessary screws shall be paid	sqm	2329.80
	separately)	1	
9.12	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)		
	9.12.1 5.0mm thick instead of 4 mm thick	sqm	127.10
9.13	Extra for providing frosted glass panes 4 mm thick instead of ordinary float		
	glass panes 4 mm thick in doors, windows and clerestory window shutters.		
	(Area of opening for glass panes excluding portion inside rebate shall be		
	measured)	sqm	246.20
9.14	Deduct for providing pin headed glass panes instead of ordinary float glass		
	panes 4 mm thick in doors, windows and clerestory window shutters. (Area of		
	opening for glass panes excluding portion inside rebate shall be measured).	sqm	20.05
9.15	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).	sqm	136.00
9.16	Deduct for not providing hinges in doors, windows and clerestory windows		
	shutters for 2 nd class teak wood and other class of wood shutters with:		
	9.16.1 Stainless steel butt hinges with Stainless Steel Screws:	sqm	202.55
	9.16.2 ISI marked M.S. pressed butt hinges bright finished of required size		66 55
	with necessary screws	sqm	66.55
9.17	Providing and fixing 25 mm thick shutters for cupboard etc, including ISI		
J.11	marked M.S. pressed butt hinges bright finished of required size with necessary		
	screws:		
	9.17.1 Panelled or paneled and glazed shutters:		
	9.17.1.1 Second class teak wood	sqm	4377.60
		7	

CODE	DESCRIPTION 9.0 (WOOD& PVC WORK)	UNIT	RATE
NO.	DECOMI HON	01111	RATE ₹
1101	9.17.1.2 First class deodar wood	sqm	4401.65
	9.17.1.3 Second class deodar wood	sqm	3783.45
	9.17.1.4 First class kail wood	sqm	3423.85
	9.17.1.5 Second class kail wood	_	3154.25
		sqm	3134.23
	9.17.1.6 Foreign Wood (DELETED) 9.17.2 Glazed shutters		
			1215 75
	9.17.2.1 Second class teak wood	sqm	4345.75
	9.17.2.2 First class deodar wood	sqm	4371.45
	.9.17.2.3 Second class deodar wood	sqm	3711.80
	9.17.2.4 First class kail wood	sqm	3328.10
	9.17.2.5 Second class kail wood	sqm	3040.45
	9.17.2.6 Foreign Wood (DELETED)		
	9.17.3 MDF board shutters including ISI marked nickel plated bright		
	finished M.S. piano hinges IS: 3818 marked with necessary screws complete:		
	9.17.3.1 Pre-laminated medium density fibre board exterior grade (Grade-I)		
	IS:14587:1998 marked one side decorative and other side balancing lamination,		
	edges to be sealed with PVC edge bending tape 2.00 mm thick of approved		
	brand.	sqm	2449.90
9.18	Extra for providing ISI marked Nickel plated bright finished M.S. Piano hinges		
	IS: 3818 instead of IS marked M.S. pressed butt hinges bright finished of		
	required size with necessary screws for cupboard shutters: (shutter area to be		100.10
	measured).	sqm	
9.18 A	Extra for providing ISI marked Anodized Aluminium butt hinges instead of	1	
	M.S. pressed butt hinges bright finished of required size with necessary screws		
	for cupboard shutters. (Shutter area to be measured).	sqm	142.85
9.19	Providing and fixing specified board medium density exterior grade (Grade I)	Rate per sqn	
7.17	to frame, backing or studding with screws etc. complete (Frames, backing or	12mm	18mm
	studding to be paid separately):	1211111	1011111
	9.19.1 Flat pressed 3 layer particle board or graded wood particle board		
	IS:3087	603.05	969.70
	9.19.2 Pre-laminated with decorative lamination on both sides MDF board	003.03	909.70
		1242.25	1621.55
0.20	conforming to IS:14587.	1242.25	
9.20	Providing and fixing specified pre-laminated medium density board with one	Rate per sqn	
	side decorative and other side balancing lamination Grade I (exterior grade) in	18mm	25mm
	shelves with screws and fittings wherever required, (fittings to be paid		
	separately).		
	9.20.1 Flat pressed 3 layer particle board or graded wood particle board		
	grade-I type-II conforming to IS" 3087 edges to be painted with polyurethane		
	primer.	1084.20	1491.60
	9.20.2 MDF board conforming to IS: 14587 edges to be sealed with PVC edge		
	bending tape 2.00 mm thick of approved brand.	1528.40	2343.20
9.21	Providing and fixing ISI marked flush door shutters conforming to IS: 2202	Rate per sqn	1
	(Part I) decorative type, core of block board construction with frame of 1st class	35mm	30mm
	hard wood and well matched teak 3 ply veneering with vertical grains or cross		
	bands and face veneers on both faces of shutters.		
	9.21.1 With ISI marked M.S. pressed butt hinges bright finished of required		
	size with necessary screws	3234.20	2974.65
	9.21.2 25 mm thick (for cupboard) including ISI marked nickel plated bright		
	finished M.S. Piano hinges IS: 3818 marked with necessary screws.	Sqm 2895	.95
		•	
9.22	Providing and fixing ISI marked flush door shutters conforming to IS: 2202	Rate per sqn	1
	(Part I) non-decorative type, core of block board construction with frame of 1st	35mm	30mm
	class hard wood and well matched commercial 3 ply veneering with vertical		
	grains or cross bands and face veneers on both faces of shutters.		
	9.22.1 With ISI marked M.S. pressed butt hinges bright finished of required		
	7.22.1 That for marked 17.15. prossed out thinges origin thislied of required		

CODE	DESCRIPTION 5.5 (WOODE 1 VE WORK)	UNIT	RATE
NO.	· · · · · · · · · · · · · · · · · · ·		₹
	size with necessary screws	2078.20	2014.00
	9.22.2 25 mm thick (for cupboard) including ISI marked nickel plated bright		
	finished M.S. Piano hinges IS: 3818 marked with necessary screws.	Sqm 203	31.65
9.23	Extra for providing and fixing flush doors with decorative veneering instead of		
	non-decorative ISI marked flush door shutters conforming to ISI: 2202 (Part-I)		
	9.23.1 On one side only	sqm	508.40
9.24	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)	sqm	401.40
9.25	Extra for providing vision panel not exceeding 0.1 sqm in all types of flush		
	doors (Cost of glass excluded) (overall area of door shutter to be measured)		
	9.25.1 Rectangular or square	sqm	194.00
	9.25.2 Circular.	sqm	194.00
9.26	Extra if louvers (not exceeding 0.2 sqm) are provided in flush door shutters		
	(overall area of door shutters to be measured)		
	9.26.1 Decorative type door.	sqm	388.00
9.27	Extra for cutting rebate in flush door shutters (Total area of the shutter to be		
	measured).	sqm	107.05
9.28	Providing and fixing wire gauze shutters using galvanized M.S. wire gauze of	Rate for thick	
	average width for aperture 1.4 mm in both directions with wire of dia. 0.63 mm	shutters in m	
	for doors, windows and clerestory windows with ISI marked M.S. pressed butt	35mm	30mm
	hinges bright finished of required size with necessary screws as per direction of		
	Engineer-in-charge:	5012 00	4405.15
	9.28.1 Second class teak wood	5013.80	4437.15
	9.28.2 First class deodar wood	5044.50	4463.45
	9.28.3 Second class deodar wood	4256.00	3788.50
	9.28.4 First class kail wood	3797.40	3395.90
	9.28.5 Second class Kail wood	3453.55 3086.95	3101.55
	9.28.6 Kiln seasoned and chemically treated hollock wood9.28.7 Kiln seasoned and selected planks of sheesham wood.	4085.50	2789.95 3642.55
	9.28.8 Foreign Wood (DELETED)	4065.50	3042.33
9.29	Extra for using stainless steel grade 304 wire gauge with wire of dia. 0.5 mm		
7.47	instead of Galvanized M.S. Wire gauge with wire of dia. 0.63 mm for doors,		
	windows and clerestory windows with necessary screws: (shutter area to be		
	measured)	sqm	142.35
9.30	Providing and fixing wire gauge laminated veneer lumber shutters conforming	Rate for thick	
7.0 0	to IS 14616 and as per TADS 15:2001(Part B) using galvanized wire gauze	shutters in m	
	with average width of aperture 1.4mm in both direction with wire of dia	35mm	30mm
	0.63mm as per IS: 1568 for doors, windows and clerestory windows, including		
	ISI marked MS pressed butt hinges bright finished of required size with		
	necessary screws, as per direction of engineer in charge	2736.55	2375.30
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 50 x 12 mm	meter	214.75
	9.40.1.2 50 x 20 mm	meter	275.05
	9.40.2 2nd class deodar wood		
	9.40.2.1 50x12mm	meter	193.75
	9.40.2.2 50 x 20 mm	meter	240.05
	9.40.3 2nd class kail wood		
	9.40.3.1 50 x 12 mm	meter	171.45
	9.40.3.2 50 x 20 mm	meter	202.95
	9.40.4 Budloo/ Fir wood		
	9.40.4.1 50x12mm	meter	143.70

CODE	DESCRIPTION 9.0 (WOOD& PVC WORK)	UNIT	RATE
NO.	DESCRIPTION	UNII	₹
110.	9.40.4.2 50 x 20 mm	motor	156.75
	9.40.5 Kiln seasoned and chemically treated hollock wood	meter	130.73
	9.40.5.1 50x12mm	meter	160.25
	9.40.5.2 50 x 20 mm	meter	184.25
9.41	Providing and fixing plain jaffri of 35x10 mm laths placed 35 mm apart (frames	meter	104.23
7.71	to be paid separately) including fixing 50x12 mm beading complete with:		
	9.41.1 Second class teak wood.	sqm	3042.40
	9.41.2 First class deodar wood.	sqm	3061.20
	9.41.3 Second class deodar wood.	sqm	2579.20
	9.41.4 First class kail wood.	sqm	2298.90
	9.41.5 2nd class kail wood	sqm	2088.70
9.42	Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed 3 layer	sqm	2000.70
), 7 2	or graded wood particle board medium density Grade I, IS: 3087 marked		
	including top cover of 6mm 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 100mm x 40mmx40 mm on both inner		
	side of pelmet and rawl plugs 75mm long etc. all complete.	meter	553.15
9.43	Providing and fixing 18 mm thick, 150 mm wide pelmet of coir veneer board	1110001	333.13
7.43	ISI marked IS: 14842-2000, including top cover of 6mm coir veneer board,		
	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 100mm x 40mmx40 mm on both inner side of		
	pelmet and rawl plugs 75mm long etc. all complete.	meter	642.65
	pointer and rain progo yourself to an complete.		0.2.00
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.	meter	33.80
	9.44.2 Particle board with decorative veneering on both sides.	meter	107.05
9.45	Providing and fixing teak wood lipping of size 25x3mm in pelmet	meter	69.80
9.46	Providing and fixing chromium plated brass curtain rod having wall thickness of		
9.40	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.	meter	306.90
	9.46.2 20 mm dia.	meter	413.95
	9.46.3 25 mm dia.	meter	534.35
9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated	1110001	334.33
J• ₹ 1	brackets		
	9.47.1 20 mm dia (heavy type)	meter	174.60
	9.47.1 20 mm dia (heavy type) 9.47.2 25 mm dia (heavy type)	meter	192.00
9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc.	1110101	1,2.00
7. 1 0	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	Kg	212.00
	9.48.2 Fixed to steel wildows by welding 9.48.2 Fixed to openings / wooden frames with rawl plugs screws etc.	Kg Kg	231.15
9.49	Providing and fixing expanded metal 20x60mm strands 3.25 mm wide and 1.6	116	231.13
J• ₹ J	mm thick for windows etc. including 62x19 mm beading of 2 nd class teak wood		
	and priming coat with approved steel primer all complete.	Sqm	1539.00
	and prinning coat with approved steer printer an complete.	Sqiii	1339.00
9.50	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not		
	less than 7.75 kg/sqm to window frames etc. including 62x19 mm beading of		
	second class teak wood and priming coat with approved steel primer all		
	complete	sqm	1640.95
	ı	1	_1

CODE	DESCRIPTION	UNIT	RATE
NO.		01,122	₹
9.51	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 4mm thick.	sqm	113.70
9.52	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with	1	
	10 mm diameter bolts, nuts and wooden plugs and embeddings in cement		
	concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded		
	stone aggregate 20 mm nominal size).	each	207.35
9.53	Providing beams including hoisting, fixing in position and applying wood		
	preservative for the unexposed surfaces, etc. complete with:		
	9.53.1 Sal wood	cum	128108.95
	9.53.2 Second class deodar wood	cum	136960.50
	9.53.3 Second class kail wood	cum	88497.80
	9.53.4 Hollock wood	cum	60848.90
M.S. FI	TTINGS	•	•
9.54	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with		
	necessary screws etc. complete :		
	9.54.1 125x65x2.12 mm	each	51.60
	9.54.2 100x58x1.90 mm	each	41.30
	9.54.3 75x47x1.70 mm	each	33.30
	9.54.4 50x37x1.50 mm	each	17.10
9.55	Providing and fixing IS: 1341 marked M.S. heavy weight - Butt Hinges with		
	necessary screws etc., complete :		
	9.55.1 125x90x4.00 mm	each	60.30
	9.55.2 100x75x3.50 mm	each	52.00
	9.55.3 75x60x3.10 mm	each	39.30
	9.55.4 50x40x2.50 mm	each	21.75
	R OXIDIZED MILD STEEL FITTINGS Oxidized as per IS: 1378) Providing and fixing ISI marked oxidized M.S. pressed butt hinges with		T
	necessary screws etc. complete:		
	9.56.1 125x65x2.12 mm	each	49.45
	9.56.2 100x58x1.90 mm	each	43.25
	9.56.3 75x47x1.70 mm	each	35.20
	9.56.4 50x37x1.50 mm	each	1855
9.57	Providing and fixing ISI marked oxidized M.S. pressed parliamentary hinges		
7.07	with necessary screws etc. complete:		
	9.57.1 150x125x27x2.80 mm	each	80.40
	9.57.2 125x125x27x2.80 mm	each	75.70
	9.57.3 100x125x27x2.80 mm	each	69.05
	9.57.4 75x100x20x2.24 mm	each	58.95
9.58	Providing and fixing ISI marked oxidized M.S. spring hinges with necessary		
	screws etc. complete:		
	9.58.1 Single Acting Spring hinge		
	9.58.1.1 150 mm	each	277.80
	9.58.1.2 125 mm	each	251.00
	9.58.1.3 100 mm	each	220.10
	9.58.2 Double Acting Spring hinge		
	9.58.2.1 150 mm	each	304.55
	9.58.2.2 125 mm	each	277.80
	9.58.2.3 100 mm	each	249.55
9.59	Providing M.S. Piano hinges ISI marked IS: 3818 finished with nickel plating		
	and fixing with necessary screws etc., complete.		
	9.59.1 Overall width 35 mm	meter	290.50
			•

CODE	DESCRIPTION S.S. (WOODE 1 VE WORK)	UNIT	RATE
NO.			₹
	9.59.2 Overall width 50 mm	meter	294.50
	9.59.3 Overall width 65 mm	meter	313.25
9.60	Providing and fixing ISI marked oxidized M.S. sliding door bolts with nuts and		
	screws etc. complete :		
	9.60.1 300x16 mm	each	218.25
	9.60.2 250x16 mm	each	202.25
9.61	Providing and fixing ISI marked oxidized M.S. tower bolt black finish, (Barrel		
	type) with necessary screws etc complete.		
	9.61.1 250x10 mm	each	84.60
	9.61.2 200x10 mm	each	72.35
	9.61.3 150x10 mm	each	61.40
	9.61.4 100x10 mm	each	46.05
9.62	Providing and fixing ISI marked 85 mm x 42 mm oxidized M.S. pull bolt lock		
	conforming to IS: 7534 with necessary screws, bolts, nut and washers etc.		
	complete.	each	110.85
9.63	Providing and fixing ISI marked oxidized M.S. door latches conforming to IS:		
	5930 with screws etc. complete:		
	9.63.1 300x20x6 mm	each	97.60
	9.63.2 250x20x6 mm	each	77.55
9.64	Providing and fixing ISI marked oxidized M.S. handles conforming to IS: 4992		
	with necessary screws etc. complete:		
	9.64.1 125 mm	each	41.80
	9.64.2 100 mm	each	32.45
	9.64.3 75 mm	each	28.40
9.65	DELETED		
9.66	DELETED		
9.67	DELETED		
9.68	Providing and fixing oxidized M.S. hasp and staple (Safety type) conforming to		
	IS: 363 with necessary screws etc. complete:		
	9.68.1 150 mm	each	32.60
	9.68.2 115 mm	each	28.75
	9.68.3 90 mm	each	24.20
9.69	Providing and fixing oxidized M.S. casement stays (straight peg type) with		
	necessary screws etc. complete.		
	9.69.1 300 mm weighing not less than 200 gms.	each	73.20
	9.69.2 250 mm weighing not less than 150 gms.	each	65.80
	9.69.3 200 mm weighing not less than 120 gms.	each	52.40
9.70	Providing and fixing oxidized M.S. Safety chain with necessary fixtures for		
	doors. (Weighing not less than 450 gms.)	each	97.80
	Stainless Steel Fittings		
9.71	Providing and fixing ISI: 12817 marked Stainless Steel Butt Hinges with		
	Stainless Steel screws etc. complete.		
	9.71.1 125x64x1.90 mm	each	94.00
	9.71.2 100x58x1.90 mm	each	84.65
	9.71.3 75x47x1.80 mm	each	62.95
	9.71.4 50x37x1.50 mm	each	35.95
9.72	Providing and fixing ISI: 12817 marked Stainless Steel Butt Hinges (heavy		
	weight) with Stainless Steel screws etc. complete.		
			i .
	9.72.1 125x64x2.50 mm	each	102.70
		each each	102.70 83.95

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	Brass Fittings		
9.73	Providing and fixing bright finished brass butt hinges with necessary screws etc.		
	complete :		
	9.73.1 125x85x5.5 mm (heavy type)	each	250.60
	9.73.2 125x70x4 mm (ordinary type)	each	171.70
	9.73.3 100x85x5.5 mm (heavy type)	each	187.85
	9.73.4 100x70x4 mm (ordinary type)	each	131.65
	9.73.5 75x65x4 mm (heavy type)	each	156.85
	9.73.6 75x40x2.5 mm (ordinary type)	each	89.95
	9.73.7 50x40x2.5 mm (ordinary type)	each	37.95
9.74	Providing and fixing bright finished brass parliamentary hinges with necessary		
	screws etc. complete:		
	9.74.1 150x125x27x5mm	each	427.65
	9.74.2 125x125x27x5mm	each	382.15
	9.74.3 100x125x27x5mm	each	351.40
	9.74.4 75x100x20x3.2 mm	each	304.30
9.75	Providing and fixing bright finished brass tower bolts (barrel type) with		
	necessary screws etc. complete. :		
	9.75.1 250x10 mm	each	373.35
	9.75.2 200x10 mm	each	300.05
	9.75.3 150x10 mm	each	231.80
	9.75.4 100x10 mm	each	159.85
9.76	Providing and fixing bright finished brass door latch with necessary screws etc.		
	complete. :		
	9.76.1 300x16x5 mm	each	292.55
	9.76.2 250x16x5 mm	each	285.90
9.77	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.	each	784.20
9.78	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.	each	663.80
9.79	Providing and fixing bright finished brass night latch of approved quality		1070.55
0.00	including necessary screws etc. complete.	each	1078.55
9.80	Providing and fixing special quality bright finished brass cupboard or ward robe		
	locks with four levers of approved quality including necessary screws etc.		
	complete: 9.80.1 40 mm	1-	422.05
	9.80.1 40 mm 9.80.2 50 mm	each	422.95 436.35
	9.80.3 65 mm	each each	489.85
	9.80.4 75 mm		509.90
9.81		each	307.70
9.81	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob	aaab	69.60
0.02	of approved quality with necessary screws.	each	68.60
9.82	Providing and fixing bright finished brass handles with screws etc. complete: 9.82.1 125 mm	each	232.6 0
	9.82.2 100 mm		219.20
	9.82.2 100 mm 9.82.3 75 mm	each each	172.35
9.83	Providing and fixing bright finished brass hanging type floor door stopper with	Cacil	1/2.33
7.03		anch	142.70
0.04	necessary screws, etc. complete	each	143.70
9.84	Providing and fixing aluminum die cast body tubular type universal hydraulic		
	door closer (having brand logo with IS: 3564, embossed on the body, door		
	weight upto 35 kg and door width upto 700 mm), with necessary accessories	2001-	1639.00
	and screws etc. complete :	each	1628.00

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
9.85	Providing and fixing aluminum extruded section body tubular type universal		-
	hydraulic door closer, (having brand logo with 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:	each	938.95
9.86	Providing and fixing bright finished brass casement window fastener with		
	necessary screws etc. complete.	each	76.35
9.87	Providing and fixing bright finished brass casement stays (straight peg type)		
	with necessary screws etc. complete.		
	9.87.1 300 mm weighing not less than 330 gms.	each	218.95
	9.87.2 250 mm weighing not less than 280 gms.	each	149.95
	9.87.3 200 mm weighing not less than 240 gms.	each	149.95
9.88	DELETED		
9.89	Providing and fixing bright finished brass hasp and staple (safety type) with		
7.0 7	necessary screws etc. complete:		
	9.89.1 150 mm	each	133.05
	9.89.2 115 mm	each	119.25
	9.89.3 90 mm	each	105.90
	CHROMIUM PLATED BRASS FITTINGS		
9.90	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.	each	931.35
9.91	Providing and fixing chromium plated brass night latch of approved quality		70300
7.71	including necessary screws etc. complete.	each	931.35
9.92	Providing and fixing special quality chromium plated brass cupboard locks of		751.55
J.J.Z	approved quality with six levers including necessary screws etc. complete:		
	9.92.1 40 mm	each	402.90
	9.92.2 50 mm	each	431.00
	9.92.3 65 mm	each	472.45
	9.92.4 75 mm	each	499.20
9.93	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe		
	knobs with nuts complete.	each	135.50
9.94	Providing and fixing chromium plated brass handles with necessary screws etc.		
	complete:		
	9.94.1 125 mm	each	266.05
	9.94.2 100 mm	each	239.25
	9.94.3 75 mm	each	205.80
9.95	Providing and fixing chromium plated brass casement window fastener with		
	necessary screws etc. complete. :	each	141.90
9.96	Providing and fixing chromium plated brass casement stays (straight peg type)		
-	with necessary screws etc. complete.		
	9.96.1 300 mm weighing not less than 330 gms.	each	228.85
	9.96.2 250 mm weighing not less than 280 gms.	each	202.10
	9.96.3 200 mm weighing not less than 240 gms.	each	182.05
	ANODIZED ALUMINUM FITTINGS		
	(All fittings shall be ISI marked)		
9.97	Providing and fixing ISI marked aluminum butt hinges ISI marked anodized		
	(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 125x75x4 mm	each	132.80
	9.97.2 125x63x4 mm	each	126.10
	9.97.3 100x75x4 mm	each	116.20
	9.97.4 100x73x4 mm	each	106.85
	9.97.5 100x63x3.2 mm	each	106.85
	7.77.0 100A03A3.2 IIIII	Cucii	100.05

CODE	DESCRIPTION 9.0 (WOOD& PVC WORK)	UNIT	RATE
NO.	DESCRIPTION	UNII	
NO.			₹
	9.97.6 75x63x4 mm	each	87.20
	9.97.7 75x63x3.2 mm	each	78.20
	9.97.8 75x45x3.2 mm	each	74.45
9.98	Providing and fixing aluminum sliding door bolts ISI marked anodized (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:		
	9.98.1 300x16 mm	each	298.75
	9.98.2 250x16 mm	each	251.95
9.99	Providing and fixing aluminum tower bolts ISI marked anodized (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:		
	9.99.1 300x10 mm	each	124.15
	9.99.2 250x10 mm	each	108.75
	9.99.3 200x10 mm	each	95.35
	9.99.4 150x10 mm	each	83.80
	9.99.5 100x10 mm	each	63.35
9.100	Providing and fixing aluminum pull bolt lock anodized ISI marked (anodic	Cacii	03.33
2.100	coating not less than grade AC 10 as per IS: 1868) transparent or dyed to		
	required colour and shade with necessary screws bolt nuts and washers etc.	1.	04.10
0.101	complete.	each	94.10
9.101	Providing and fixing 50 cm long aluminum kicking plate of size 100x3.15 mm,		
	anodized (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.	each	236.00
9.102	Providing and fixing aluminum handles ISI marked anodized (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.		
	9.102.1 125 mm	each	68.00
	9.102.2 100 mm	each	60.00
	9.102.3 75 mm	each	51.95
9.103	Providing and fixing aluminum hanging floor door stopper, ISI marked,		
	anodized (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:		
	9.103.1 Single rubber stopper	each	55.40
	9.103.2 Twin rubber stopper	each	63.45
9.104	Providing and fixing aluminum casement stays, ISI marked, anodized (anodic	Cucii	03.10
7.104	coating not less than grade AC 10 as per IS: 1868) transparent or dyed to		
	required colour or shade with necessary screws etc. complete:	anch	68.30
	required corour of shade with necessary screws etc. complete.	each	06.30
0.105	Descriding and fiving height finished because 100 many and the least 1 to 1		
9.105	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI		
	marked, with six levers and a pair of anodized (anodic coating not less than		
	grade AC 10 as per IS: 1868) aluminum lever handles of approved quality with		7.15.10
	necessary screws etc. complete.	each	747.10
9.106	Providing and fixing aluminum tee channels (heavy duty) with rollers, stop end		
	in pelmets as curtain rods.	meter	170.20
9.107	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		
	30 mm and 0.30 mm unck made vertically within hanges of 11001 and ceiling		

CODE	DESCRIPTION 5.5 (WOODE 1 VE WORK)	UNIT	RATE
NO.			₹
	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 framework 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		
	manufacture's specification and direction of engineer in charge all complete.		
	9.107.1 75mm overall thickness partitions with 12.5 thick double skin fire		
	rated Glass Reinforced Gypsum (GRG), plaster board confirming to IS: 2095		1002.55
	(Part 3) 1996 (Board with BIS Certification marks)	sqm	1893.55
	9.107.2 75mm over all thickness partitions with 12.5 mm thick double skin		
	tapered edge Plain Gypsum plaster Board confirming to IS: 2095 (Part I)		1750 75
	2011(Board with BIS Certification marks)	sqm	1759.75
	9.107.3 66mm over all thickness partitions with 8mm thick double skin Calcium Silicate Board made with Calcareous and Siliceous materials		
	reinforced with cellulose fiber manufactured through autoclaving process with compressive strength 225 kg/sq.cm, Bending strength 100kg/sq.cm.	sam	1906.95
	9.107.4 66mm over all thickness partitions using 8mm thick double skin non	sqm	1900.93
	asbestos multipurpose cement board reinforced with cellulose fiber		
	manufactured through autoclaving process (high pressure steam cured) as per		
	IS: 14862 with suitable fiber cement screws	sqm	1773.15
	9.107.5 66mm overall thickness partition using 8 mm thick double skin	Sqiii	1773.13
	multipurpose cement bonded wood particle board manufactured as per IS:		
	14276 with suitable cement bonded board screws	sqm	1960.45
9.108	Providing and fixing PTMT handles with necessary screws etc. Complete	1	
	9.108.1 125x34x24mm weighing not less than 23gms	each	52.20
	9.108.2 150x34x24mm weighing not less than 26gms	each	60.20
9.109	Providing and fixing PTMT butt hinges with necessary screws etc. Complete		
	9.109.1 75x60x10mm fitted with 5.5mm dia MS bright bar rod		
	weighing not less than 34gms	each	98.15
	9.109.2 100x75x10mm fitted with 5.5mm dia M.S. bright bar rod weighing		
	not less than 53gms	each	121.55
9.110	Providing and fixing PTMT tower bolts with 12 mm one piece rod inside and		
	necessary screws etc. Complete	1	105.70
	9.110.1 152x42x18mm weighing not less than 60gms	each	105.70
0.111	9.110.2 202x42x18mm weighing not less than 78gms Providing and fiving PTMT door getabor of length 72 mm and die of 42 mm.	each	138.50
9.111	Providing and fixing PTMT door catcher of length 72 mm and dia of 42 mm	anah	13 10
9.112	with suitable washers weighing not less than 33gms Providing and fixing Bamboo jaffery/fencing consisting of superior quality 25	each	43.10
7.114	mm dia. (average) half cut bamboo placed vertically and fixed together with		
	three number 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	sqm	589.05
9.113	Providing and fixing wooden moulded corner beading of size 50x50 mm (base	~- <u>1</u> •	
*	and height) of triangular shape to the junction of paneling etc. with iron screws,		
	plugs and priming coat on unexposed surface etc. complete.		
	9.1131 Second class teak wood	meter	354.70
	9.1132 Second class deodar wood	meter	310.90
	9.1133 Second class kail wood	meter	264.50
	127		i

CODE	9.0 (WOOD& PVC WORK)		1
	DESCRIPTION	UNIT	RATE
NO.			₹
9.114	Providing and fixing 2nd class teak wood lipping/moulded beading or Taj beading of size 18x5mm fixed with wooden adhesive of approved quality and		
	screws/nails on the edges of the pre laminated particle board as per directions of		
	the engineer-in-charge	meter	89.90
9.115	Providing and fixing bright finished 100mm mortice lock with 6 levers without		
	pair of handles for aluminum doors of approved quality with necessary screws		
	etc. complete as per direction of Engineer-in-charge.	each	726.85
9.116	Providing and fixing magnetic catcher of approved quality in cupboard/ward		
	robe shutters including fixing with necessary screws etc. complete.		
	9.116.1 Triple strip (Vertical type)	each	48.85
	9.116.2 Double strip (Horizontal type)	each	42.15
9.117	Providing and fixing powder coated telescopic drawer channels 300mm long		
	with necessary screws etc. complete as per directions of engineer-in-charge	each set	394.75
9.118	Providing and fixing sliding arrangement in racks/cupboards/cabinets shutter by		
	with stainless steel rollers to run inside C or E aluminum channel section (the		
	payment for C or E channel shall be made separately)	each	20.85
9.119	Providing and fixing factory made UPVC door frame made of UPVC extruded,		
	section having an overall dimension, as below (tolerance+/-1mm with wall		
	thickness 2.0mm +/-0.2mm, corners of the door frame to be joined with		
	galvanized brackets and stainless steel screws, joint mitred and plastic welded.		
	The hinges side vertical of the frames reinforced by galvanized MS tube of size		
	19x19mm and 1mm +/-0.1mm wall thickness and three numbers stainless steel		
	hinges fixed to the frame complete as per manufacturers' specifications and		
	direction of engineer-in-charge)	,	220.15
	9.119.1 Extruded section profile size 48x40mm	meter	230.15
0.120	9.119.2 Extruded section profile size 42x50mm	meter	297.05
9.120	Providing and fixing to existing door frames		
	9.120.1 24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24mm and wall thickness 2mm +/-		
	0.2mm with inbuilt edging on both sides. The styles and rails mitred and joined		
	at the corners by means of MS galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter		
	·		
	reinforced by inserting galvanized MS tube of size 20x20mm and 1mm +/-		
	0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow		
	and on the state of the state o		
	section of size 100x24mm and 2mm +/-0.2mm wall thickness fixed to the		
	shutter styles by means of plastic/galvanized MS 'U' cleats. T he shutter frame		
	shutter styles by means of plastic/galvanized MS 'U' cleats. T he shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm,		
	shutter styles by means of plastic/galvanized MS 'U' cleats. T he shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The		
	shutter styles by means of plastic/galvanized MS 'U' cleats. T he shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm		
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per		
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and	sam	2857 50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters).	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm +/-	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm +/-0.2mm with inbuilt decorative moulding edging on one sides. The styles and	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm +/-0.2mm with inbuilt decorative moulding edging on one sides. The styles and rails mitred and joined at the corners and by means of MS galvanized/plastic	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm +/-0.2mm with inbuilt decorative moulding edging on one sides. The styles and rails mitred and joined at the corners and by means of MS galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm +/-0.2mm with inbuilt decorative moulding edging on one sides. The styles and rails mitred and joined at the corners and by means of MS galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized MS tube of	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm +/-0.2mm with inbuilt decorative moulding edging on one sides. The styles and rails mitred and joined at the corners and by means of MS galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized MS tube of size 25x20mm and 1mm +/-0.1mm wall thickness. The lock rail made up of	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm +/-0.2mm with inbuilt decorative moulding edging on one sides. The styles and rails mitred and joined at the corners and by means of MS galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized MS tube of size 25x20mm and 1mm +/-0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x30mm and 2mm +/-0.2mm	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm +/-0.2mm with inbuilt decorative moulding edging on one sides. The styles and rails mitred and joined at the corners and by means of MS galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized MS tube of size 25x20mm and 1mm +/-0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x30mm and 2mm +/-0.2mm wall thickness fixed to the shutter styles by means of plastic/galvanized MS 'U'	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm +/-0.2mm with inbuilt decorative moulding edging on one sides. The styles and rails mitred and joined at the corners and by means of MS galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized MS tube of size 25x20mm and 1mm +/-0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x30mm and 2mm +/-0.2mm wall thickness fixed to the shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of	sqm	2857.50
	shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with UPVC multi-chambered single panels of size not less than 620mm, having over- all thickness of 20mm and 1mm +/-0.1mm wall thickness. The pannels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete as per manufacturers' specification and direction of engineer-in-charge. (For W.C and bathroom door shutters). 9.120.2 30mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm +/-0.2mm with inbuilt decorative moulding edging on one sides. The styles and rails mitred and joined at the corners and by means of MS galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized MS tube of size 25x20mm and 1mm +/-0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x30mm and 2mm +/-0.2mm wall thickness fixed to the shutter styles by means of plastic/galvanized MS 'U'	sqm	2857.50

CODE	DESCRIPTION 9.0 (WOOD& PVC WORK)	UNIT	RATE
NO.			₹
	washers, complete as per manufacturers' specification and direction of engineer-in-charge. 9.120.3 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	sqm	2972.55
	per requirement with an average wall thickness of 1 mm (\pm 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. An M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (\pm 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		
0.101	will be pasted at appropriate places	sqm	3155.85
9.121	Providing and fixing factory made PVC door frames of size 50x47mm with a		
	wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and jointed with two numbers of 150mm long brackets of 15x15mm		
	MS square tube, the vertical door profiles to be reinforced with 19x19mm MS		
	square tube of 19 gauge, EPDM rubber gasket weather seal to be provided		
	throughout the frame. The door frame to be fixed to the wall using MS screws of 65/100mm size complete as per manufacturers' specifications and directions		
	of 65/100mm size complete as per manufacturers' specifications and directions of engineer-in-charge	meter	406.20
9.122	Providing and fixing 30 mm thick factory made panel PVC door shutter		.00.20
	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 75 mm 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. 9.122.1 Plain PVC door shutters	sqm	2907.20
	9.122.2 Pre-laminated PVC door shutters	sqm	3367.45
9.123	Providing and fixing fiber glass reinforced plastic (FRP) door frames of cross	1	
	section 90mmx45mm having single rebate of 32mmx15mm to receive shutter of		
	30mm thickness The laminate shall be moulded with fire resistant grade		
	unsaturated polyester resin and chopped mat. Door frame laminates shall be 2		
	mm thick and shall be filled with suitable wooden block in all three legs. The frame shall be covered with fiber glass from all sides. MS stay shall be provided		
	at the bottom to steady the frame	meter	748.70
9.124	Providing and fixing 30 mm thick door shutters to existing door frames.	-	
	9.124.1Glass fiber reinforced plastic (FRP) paneled door shutter of required		
	colour and approved brand and manufacture, made with fire retardant grade		
	unsaturated polyester resin, moulded to 3mm thick FRP laminate for forming		
	hollow rails and styles, with wooden frames and suitable blocks of seasoned		

CODE	DESCRIPTION 9.0 (WOOD& PVC WORK)	UNIT	RATE
NO.	DESCRIPTION	UNII	RATE ₹
NU.	wood inside at required places for fixing or fittings, cast monolithically with 5mm thick FRP laminate for panels confirming to TADS 6: 1993 and /or IS: 14856-2000 including fixing to frames 9.124.2 Fiberglass reinforced plastic (FRP) Flush door shutter in different plain and wood finished made with fire retardant grade unsaturated polyester resin, moulded to 3mm thick FRP laminate all around with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam	sqm	3734.05
	(PUF)/ polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of FRP laminate confirming to table- 3 of IS: 14856-2000, complete as per directions of engineer-in-charge.	sqm	3954.80
9.125	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 dispersion of Engineer in charge.		513.20
9.126	direction of Engineer-in-charge. 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 mm x 1 mm, painted with primer , all four corners of	meter	313.20
	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 5 mm 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 100 mm x 8 mm complete as per manufacturer's specifications and direction of Engineer-in-charge.		
	9.126.1 Non decorative finish 9.126.2 Decorative finish (both side wood grained finish)	sqm sqm	3319.25 3774.15
9.127	Providing and fixing PVC rigid foam sheet 1mm thick on existing door shutters (bathroom and W.C. doors) using synthetic rubber based adhesive	sqm	1285.35
9.128	Providing and 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 9.128.1 1.5mm thick 9.128.2 1mm thick	sqm sqm	906.30 779.75
9.129	Providing and fixing factory made fiberglass reinforced plastics (F.R.P) chajja 4mm 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 & duly reinforced by 2 Nos. vertically and 1 no. horizontally 50x2mm thick M.S flat with 12mm inbuilt hole for grouting on the existing wall along with the 50mm 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 fiberglass chopped strand mat(CSM) as per IS:11551 complete with		

CODE	DESCRIPTION S.O (WOODE 1 VE WORK)	UNIT	RATE
NO.			₹
	protective Gel coat U/V coating on top for complete resistance from the extreme		
	temperature, weather & sunlight (Only plan area of chajjas shall be measured		
	for making payments)	sqm	5434.75
9.130	Providing and fixing cupboard shutters 25mm 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 a balancing lamination including second class teak wood lipping		
	of 25mm widex12mm thick with necessary screws and bright finished stainless		
	steel piano hinges complete as per directions of Engineer- in-charge	sqm	1981.75
9.131	Providing and fixing cupboard shutters with 25mm thick veneered particle		
	board IS: 3097 marked exterior grade (Grade I) of approved make including		
	second class teak wood lipping of 25mm wide x 12mm thick with necessary		
	screws and bright finished stainless steel piano hinges complete as per		
	directions of engineer-in-charge		
	9.131.1 With decorative veneering on one side and commercial veneering on		1505.05
	other side	sqm	1785.05
0.122	9.131.2 With non decorative veneering on both sides.	sqm	1679.35
9.132	Deduct for providing nickel plated bright finished M.S. Piano hinges instead of	aam	5 25
9.133	Bright Finished stainless steel piano hinges in item no. 9.130 and 9.131. Providing and fixing factory made flush door shutters 30 mm thick made of	sqm	-5.35
9.133			
	pre-laminated flat pressed three layer particle board conforming to IS: 12823		
	exterior grade (Grade I Type II) having one side decorative lamination of		
	approved shade and other side balancing lamination including second class teak		
	wood lipping of 25mm widex12mm thick with necessary screws and black	cam	1952.35
9.134	enameled M.S. butt hinges complete as per directions of Engineer- in-charge	sqm	1932.33
9.134	Providing and fixing 15 cm high drawer of the cupboard with 12 mm thick base and side planks with wooden handles and 20x25 mm runner fixed with screws		
	complete including painting and polishing.		
	Note: Overall plan area of the drawer shall be measured.		
	9.134.1 Superior class Teak Wood	sam	NA
	9.134.2 First class Teak Wood	sqm sqm	10640.80
	9.134.3 Second class Teak Wood	sqm	8970.25
	9.134.4 Second class Deodar Wood	sqm	7849.10
	9.134.5 First class Kail Wood	sqm	7170.55
	9.134.6 Second class Kail Wood	sqm	6661.80
9.135	Providing and fixing 25 mm thick factory made shutters of pre-laminated	Sqiii	0001.00
7.100	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 aluminum 'U' type edge beading all-round the shutter,		
	including fixing with angle cleat, grip strip, cadmium plated steel screws		
	including fixing of aluminum hinges 100x63x4mm etc. Complete as per		
	architectural drawing and directions of Engineer- in-charge (cost of 'U' beading		
	and hinges will be paid for separately)	sqm	1669.05
9.136	Providing and fixing aluminum 'U' beading of required size to pre-		
	laminated/flush door shutter including fixing etc. complete as per directions of		
	engineer-in-charge.	kg	628.85
9.137	Providing and fixing, in position concealed G.I section for wall panelling using		
	board of required thickness fixed on the 'W' profile (0.55mm thick) having a		
	knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm		
	placed @ 610mm C/C in perimeter channel having one flange of 20mm and		
	another flange of 30mm with thickness of 0.55mm and web of length 27mm.		
	Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @		
	610mm C/C with fully threaded self-tapping dry w all screws. Board is fixed to		

~-	9.0 (WOOD& PVC WORK)		
CODE NO.	DESCRIPTION	UNIT	RATE
NO.	the 'W' profile with 25mm countersunk ribbed head screws @ 200mm C/C, all complete as per the drawing and 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		₹
	9.137.1 10 mm thick Tapered edge calcium silicate board made with calcareous and siliceous materials reinforced with cellulose fiber manufactured		
	through autoclaving process to give stable crystalline structure with compressive strength 225kg/sqcm, Bending strength 100kg/sqcm 9.137.2 Multipurpose cement board reinforced with suitable fibre cement	sqm	1484.90
	9.137.2.1 8 mm thick cement fibre board as per IS : 14862 9.137.2.2 8 mm thick Cement bonded wood particle boards per IS:14276	sqm sqm	1190.45 1293.50
	9.137.3 Plain Gypsum plaster board conforming to IS: 2095 (Part -1): 2011 (Board with BIS certification marks)	1	
	9.137.3.1 12.5 mm thick	sqm	1183.10
9.138	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) alround 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).	meter	1470.25
9.139	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/ m²) 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 (paneling to be paid for separately).	sqm	6472.55
9.140	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/m²) 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):2016and 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 manufacturers 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 $1100 x 2200 \text{ mm}$ (w x h) or 2.42sqm .	sqm	36495.55
9.141	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	each	7152.80
9.142	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails,	Cacii	/132.00
	including a coat of approved primer on one face, and fixed on wooden /steel		

CODE	DESCRIPTION 9.0 (WOOD& PVC WORK)	UNIT	RATE
NO.	DESCRIPTION	UNII	RAIE
110.	frame work, complete as per direction of Engineer-in-charge (Frame work shall		
	be paid for separately).		
	9.142.1 12mm thick commercial ply conforming to S: 1328 BWR type	sqm	1084.65
9.143	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness	sqiii	1001.00
711 10	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.	sqm	636.20
9.144	35 mm thick factory made Solid panel PVC Door shutter, made out of single		
	piece extruded solid PVC profiles, 5 mm (\pm 0.2 mm) thick, having styles & rails		
	(except lock rail) of size 95 mm x 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 x 35x		
	35 mm, out of which 95 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.		
	9.144.1 Non decorative finish (matt finish)	Sqm	3460.40
	9.144.2 Decorative finish (wood grained finish)	sqm	4011.65
9.145	Providing and Fixing factory made UPVC door frame, made of UPVC extruded	~ 1	100000
	sections , of size 65 mm x 55 mm with wall thickness 2.0 mm (\pm 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.	meter	543.25
9.146	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 (\pm 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 (\pm 0.2 mm). Lock rail of size 100 mm x 37 mm, wall thickness 2 mm (\pm 0.2 mm) will be fixed to the vertical states. Providing with PVC or on fit had a		
	0.2 mm) will be fixed to the vertical styles. Providing with PVC snap fit 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	cam	3642.85
0.147	specification and direction of Engineer-in-charge.	sqm	3042.83
9.147	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 (\pm 0.2 mm). Both verticals 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,		
	5120 20 min a 30 min a 2 min unexheess (± 0.2 min) and 13 min a 200 min long,		

CODE	DESCRIPTION	UNIT	RATE
NO.	in the dimensional back and of the ten frame with DVC modile DVC Door		₹
	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	meter	608.80
0 1 40	Providing and fixing 37 mm thick factory made PVC Door shutter, styles and	meter	008.80
9.148			
	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 yielded herizontally with the vertical styles		
	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	sam	3942.55
0.1404	specification and direction of Engineer-in-charge.	sqm	3942.33
9.149A	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)		
	Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance		
	in dimension i.e. in depth & width of profile shall be acceptable. Variation in		
	profile dimension in higher side shall be accepted but no extra payment on		
	this account shall be made.		
	9.149A.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.)	sqm	10570.85
	9.149A.2 Casement window double panels with S.S. friction hinges (300x 19)	Sqiii	10270.03
	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		
	sqmupto1.50 sqm).	sqm	9699.40
	9.149A.3 Casement window double panels with top fixed with S.S. friction	34111	ノロノノ・ゴロ
	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).	sqm	7816.75
	9.149A.4 Casement window single panel with S.S. friction hinges (400 x 19 x		7010.75

CODE	DESCRIPTION 5.0 (WOODQ 1 VC WORK)	UNIT	RATE
NO.			₹
	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.)	sqm	10438.00
	9.149A.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).	sqm	10800.25
	9.149A.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 sqmu pto 5.00 sqm).	sqm	8157.35
9.149B	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).		
	Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance		
	in dimension i.e. in depth & width of profile shall be acceptable. Variation in		
	profile dimension in higher side shall be accepted but no extra payment on		
	this account shall be made.		
	9.149B.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.)	sqm	7393.95
9.149C	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 sealent 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		
	sealent shall be paid separately).		
	Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension is a in depth & width of profile shall be assentable. Varieties in		
1	in dimension i.e. in depth & width of profile shall be acceptable. Variation in		
	profile dimension in higher side shall be accepted but no extra payment on this account shall be made.		
	this account shall be made.		

CODE NO.	DESCRIPTION	UNIT	RATE ₹
	9.149C.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		10220 45
	2.00 sqm). 9.149C.2Casement 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	sqm	10330.45
	single glazing bead / double glazing bead of appropriate dimension.(Area of door upto 2.50 sqm)	sqm	10487.55
9.149D	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 sealent 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 sealent shall be paid separately) Note: For uPVC frame and sash extruded profiles minus 5% tolerance in		
	dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.		
	9.149D.1 Two track two panels sliding window made of (small series) frame $52 \times 44 \text{ mm}$ &sash $32 \times 60 \text{ mm}$ both having wall thickness of $1.9 \pm 0.2 \text{ mm}$ and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm) 9.149D.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 $32 \times 60 \text{ mm}$ both having wall thickness of $1.9 \pm 0.2 \text{ mm}$ and	Sqm	7687.45
	single glazing bead of appropriate dimension (Area of window upto 1.75 sqm). 9.149D.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	sqm	10083.65
	window above 1.75 sqm upto 2.50 sqm). 9.149D.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	sqm	7863.75
	of window above 1.75 sqm). 9.149D.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	sqm	9678.15
9.149E	of window above 1.75 sqm) Providing and fixing factory made uPVC white colour sliding glazed	sqm	9218.85
	windowabove 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		

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	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 sealent 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 sealent shall be paid separately).		
	Note: For uPVC frame and sash extruded profiles minus 5% tolerance in		
	dimension i.e. in depth & width of profile shall be acceptable. Variation in		
	profile dimension in higher side shall be accepted but no extra payment on		
	this account shall be made.		
	9.149E.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.)	sqm	7822.30
	9.149E.2 Two track four panels sliding window made of (big series) frame 67	~ 1	, , ,
	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).	sqm	6795.70
9.149F	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 \pm 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) cresent 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 sealent 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 sealent shall be paid separately).		
	Note: For uPVC frame and sash extruded profiles minus 5% tolerance in		
	dimension i.e. in depth & width of profile shall be acceptable. Variation in		
	profile dimension in higher side shall be accepted but no extra payment on		
	this account shall be made.		
	9.149F.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 sqmupto5.00 sqm)	sqm	6902.95
	9.149F.2 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		

CODE	DESCRIPTION 9.0 (WOOD& PVC WORK)	UNIT	RATE
NO.	DECOMI HON	01111	RATE ₹
110.	single glazing bead / double glazing bead of appropriate dimension. (Area of		`
	door above 2.00 sqmupto5.00 sqm)	sqm	6151.20
	9.149F.3 Three track three panels sliding door made of (big series) frame 116	Sqm	0131.20
	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)	sqm	6954.20
	9.149F.4 Three track three panels sliding door with fly proof S.S wire mesh	sqiii	0934.20
	(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	sam	8787.45
9.150	door above 2.00 sqm upto 5.00 sqm) Providing and fixing stainless steel (SS-304 grade) friction hinges to the side/	sqm	6/6/.43
9.150			
	top hung UPVC windows, of approved quality, with necessary stainless steel		
	screws etc. as per direction of Engineer-in-charge. 9.150.1 200 x 19 x 1.9 mm		210.05
		each	310.95
	9.150.2 250 x 19 x 1.9 mm	each	344.40
	9.150.3 300 x 19 x 1.9 mm 9.150.4 350 x 19 x 1.9 mm	each	375.20 510.30
		each	
0.151	9.150.5 400 x 19 x 1.9 mm	each	515.65
9.151	Providing and fixing casement handle made of zinc alloyed (white powder	an al-	107.00
0.150	coated) for UPVC casement window with necessary screws etc. complete.	each	187.80
9.152	Providing and fixing zinc alloyed (white powder coated) touch lock for UPVC		166.40
0.150	sliding window with necessary screws etc. complete	each	166.40
9.153	Providing and fixing steel roller for UPVC sliding window with necessary		
	screws etc. complete.	each	94.15
9.154	Providing and fixing steel roller for UPVC sliding door with necessary screws		
	etc. complete.	each	154.35
9.155	Providing and fixing steel (white powder coated) crescent lock for UPVC		
	sliding window/ door with necessary screws etc. complete	each	161.05
9.156	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.	kg	131.20
9.157	DELETED		
9.158	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/ m²) suitable for		
	mounting 120 min Fire Rated Glazed Door Shutters. The frame shall be filled		
	with Mineral wool Insulation having density min 96Kg/m³. 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).	metre	1824.30
9.159	Providing and fixing 60 mm thick glazed fire resistant door shutters of 120 min	incu c	1027.50
1.139	Fire Rating confirming to IS:3614 (Part II) or EN1634-1:1999, tested and		
	certified as per laboratory approved by Engineer-in-charge, with suitable		
	cordinate as per laboratory approved by Engineer-III-charge, with suitable		<u> </u>

~~	9.0 (WOOD& PVC WORK)	T	
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	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 than120gm/m²) duly filled mineral wool		
	insulation having density min 96 kg/ m³ 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 separately).	sqm	9795.60
9.160	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 min 96kg/ m³ 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.	metre	1824.30
9.161	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/m ²) 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 NBC2016, 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 manufacturers 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.	sqm	39840.40
9.162	Providing and fixing bright /matt finished Stainless Steel handles of approved		
	quality & make with necessary screws etc all complete.		
	9.162.1 125 mm	each	101.45
	9.162.2 100 mm	each	77.40
	9.162.3 75 mm	each	48.60

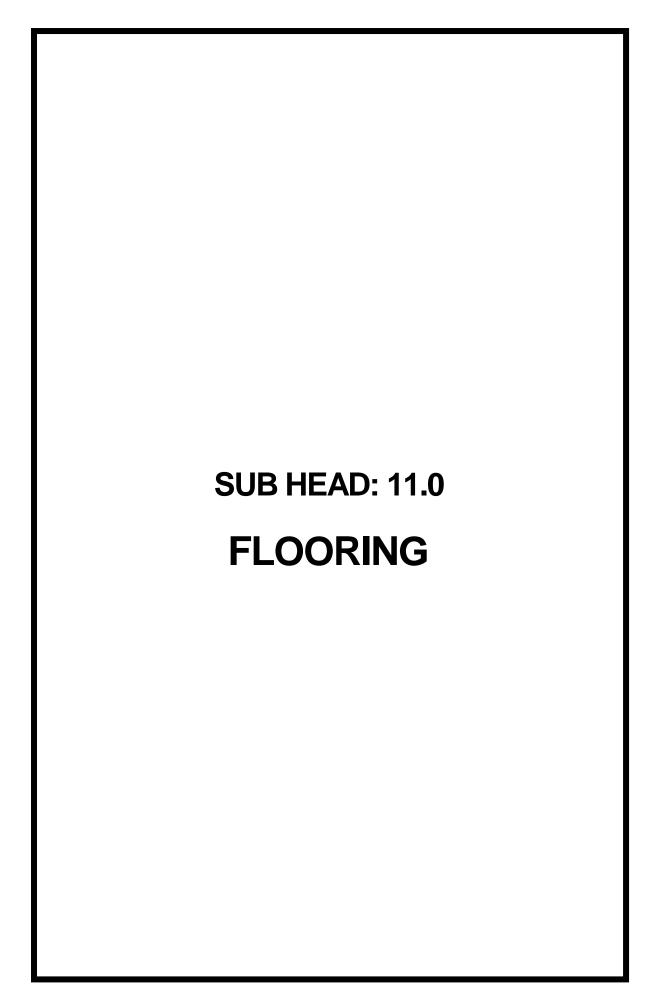
SUB HEAD: 10.0	
STEEL WORK	

CODE	DESCRIPTION 10.0 (STEEL WORK)	UNIT	RATE
NO.	DESCRIPTION	UNII	KAIL
10.1	Structural steel work in single section, fixed with or without connecting		•
10.1	plate, including cutting, hoisting, fixing in position and applying a priming		120.80
	coat of approved steel primer all complete.	kg	120.00
10.2	Structural steel work in built up sections, trusses and framed work,	Kg	
10.2	including cutting, hoisting, fixing in position and applying a priming coat of		
	approved steel primer all complete.		
	10.2.1 Riveted and bolted	kg	142.90
	10.2.2 Welded	kg	138.20
10.3	Providing and fixing in position collapsible steel shutters with vertical	118	100.20
2000	channels 20x10x2mm and braced with flat iron diagonals 20x5 mm size,		
	with top and bottom rail of T-iron 40x40x6mm, with 40mm dia, steel		
	pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles,		
	including applying a priming coat of approved steel primer,	sqm	10401.50
10.4	Providing and fixing 1mm thick M.S. sheet sliding-shutters with frame and	1	
	diagonals braces of 40x40x6mm angle iron, 3mm M.S. gusset plates at the		
	junction and corners, 25mm dia pulley, 40x40x6mm angle and T-iron guide		
	at the top and bottom respectively including applying a priming coat of		
	approved steel primer,	sqm	6441.70
10.5	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm		
	angle iron and 3mm 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. angles 40x40x6mm for diagonal braces	sqm	5493.90
	10.5.2 Using flats 30x6mm for diagonal braces and central cross piece.	sqm	5338.50
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 confirming to IS:4454 part-1 and M.S. top		
	cover of required thickness for rolling shutters.		2205.00
	10.6.1 80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm	3305.00
	10.6.2 80x1.20 mm M.S. laths with 1.20 mm thick top cover	sqm	3354.95
10.7	10.6.3 80x0.90 mm M.S. laths with 0.90 mm thick top cover	sqm	2916.10 531.55
10./	Providing and fixing ball bearing for rolling shutters.	each	331.33
10.8	Extra for providing mechanical device chain crank operation for operating		
10.0	rolling shutters.		
	10.8.1 Exceeding 10.00 sqm and upto 16.80 sqm in the area	sqm	1222.60
	108.2 Exceeding 16.80 sqm in area	sqm	1222.60
10.9	Extra for providing grilled rolling shutters manufactured out of 8mm	24	122.00
	dia.M.S. bar instead of laths as per design approved by Engineer-in-Charge.		
	(Area of grill to be measured.)	sqm	668.95
10.10	Fixing standard steel glazed doors, windows and ventilators in walls,	· 1	
	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 to be paid separately).		
	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).	kg	52.40
	10.10.2 Fixing with carbon steel galvanized dash fastener of required dia	-	
	and size (to be paid for separately).	kg	20.60

CODE	DESCRIPTION 10.0 (STEEL WORK)	UNIT	RATE
NO.	2250111 11011	01111	₹
10.11	Providing and fixing factory made ISI marked steel glazed doors, windows		
	and ventilators, side / top/ center hung, with beading and all members such		
	as F7D, F4B, K11B and K12B etc. complete of standard rolled steel		
	sections, joints miterd 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 payments.)		
	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)	kg	163.40
	10.11.2 Fixing with carbon steel galvanized dash fastener of required dia		
	and size (to be paid for separately).	kg	113.85
10.12	Extra for providing and fixing steel beading of size 10x10x1.6 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.	meter	58.45
10.13	Providing & fixing T-iron frames for doors, windows & ventilators of mild		
	steel Tee-sections, joints mitred & welded, including fixing of necessary		
	butt hinges & screws and applying a priming coat of approved steel primer.		
	10.13.1 Fixing with 15x3 mm lugs 10cm long embedded in cement		
	concrete blocks 15x10x10cm of C.C. 1:3:6 (1cement : 3 coarse sand :6	_	
	graded stone aggregate 20mm nominal size).	kg	144.55
	10.13.2 Fixing with carbon steel galvanized dash fastener of required dia		120 70
10.11	and size (to be paid for separately).	kg	139.50
10.14	Providing and fixing pressed steel door frames conforming to IS: 4351,		
	manufactured from commercial mild steel sheet of 1.60mm thickness,		
	including hinges jamb, lock jamb, bead and if required angle threshold of		
	mild steel angle of section 50x25mm, or base ties of 1.60mm pressed, mild		
	steel welded or rigidly fixed together by mechanical means, including M.S pressed butt hinges 2.5mm 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	meter	460.60
	10.14.1.2 Fixing with carbon steel galvanized dash fastener of required	1110001	.00.00
	dia and size (to be paid for separately).	meter	447.25
	10.14.2 Profile C		
	10.14.2.1 Fixing with adjustable lugs with split end tail to each jamb	meter	487.40
	10.14.2.2 Fixing with carbon steel galvanized dash fastener of required		
	dia and size (to be paid for separately).	meter	474.00
	10.14.3 Profile E		
	10.14.3.1 Fixing with adjustable lugs with split end tail to each jamb	meter	527.50
	10.14.3.2 Fixing with carbon steel galvanized dash fastener of required		
	dia. and size (to be paid separately)	meter	514.15
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 10cm long embedded in cement		
	concrete blocks 15x10x10cm of C.C. 1:3:6 (1cement : 3 coarse sand :6	lr o	151 75
	graded stone aggregate 20mm nominal size).	kg	151.75
	10.15.2 Fixing with carbon steel galvanized dash fastener of required dia and size (to be paid for separately).	ka	139.40
	and size (to be paid for separatery).	kg	137.40

NO. Steel etc.) apply bolte 10.16 10.16 10.16 10.16 10.16 10.17 Providing dia fet 10.19 Provide with paint 10.20 Provide with the colone shape 10.21 Provide wash 10.22 Provide wash 10.23 Provide wash 10.24 Weld 10.24 10.25 Steel hoist prime 10.25 Steel hoist prime 10.26 Steel hoist prime 10.26 Steel hoist prime 10.26 10.	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 10.16.3 Electric resistance or induction butt welded tubes Providing and fixing 20x6mm mild steel 15cm long clamps for securing chick tops. Providing and fixing mild steel rings of 6mm round bar and 40mm internal dia for fastening ropes of chicks Providing and fixing MS. fan clamp of 16mm 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. Providing and fixing circular/hexagonal cast iron box for ceiling fan clamp, of internal dia 140 mm, 73mm height, top lid of 1.5mm 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 3.3mm dia. round headed screws, one lock at the corners. Clamps shall be made of 12mm dia M.S. bar bent to shape as per standard drawing. Providing and fixing mild steel round holding down bolts with nuts and washer plates complete. Reg Providing and fixing bolts including nuts and washers complete. Reg Providing and fixing bolts including nuts and washers complete. Reg Welding, including transportation of plant at site etc. complete 10.24.1 By gas plant 10.24.2 By electric plant 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. 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 prim	RATE ₹
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10.20 Provious fine with the cone I shape 10.21 Provious wash 10.22 Provious 10.23 Provious 10.24 Weld 10.24 10.25 Steel hoist prime 10.25 chequing 10.26 simil 10.26 10	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. Providing and fixing circular/hexagonal cast iron box for ceiling fan clamp, of internal dia 140 mm, 73mm height, top lid of 1.5mm 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 3.3mm dia. round headed screws, one lock at the corners. Clamps shall be made of 12mm dia M.S. bar bent to shape as per standard drawing. Providing and fixing mild steel round holding down bolts with nuts and washer plates complete. Providing and fixing bolts including nuts and washers complete. kg Providing and fixing M.S. rivets of sizes in position. Welding, including transportation of plant at site etc. complete 10.24.1 By gas plant 10.24.2 By electric plant 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. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
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10.21 Provision of in with the come I shape 10.21 Provision wash 10.22 Provision 10.23 Provision 10.24 Weld 10.24 10.25 Steel hoist prime 10.25 chequing 10.26 simil 10.26 Provision 10.26	of internal dia 140 mm, 73mm height, top lid of 1.5mm 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 3.3mm dia. round headed screws, one lock at the corners. Clamps shall be made of 12mm dia M.S. bar bent to shape as per standard drawing. Providing and fixing mild steel round holding down bolts with nuts and washer plates complete. Providing and fixing bolts including nuts and washers complete. Providing and fixing M.S. rivets of sizes in position. Welding, including transportation of plant at site etc. complete 10.24.1 By gas plant cm. 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. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
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10.24 10.25 Steel hoist prime 10.25 cheque 10.25 simil 10.26 10.26 Provided apply 10.26 10	10.24.1 By gas plant 10.24.2 By electric plant cm 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. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes kg Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
10.24 10.25 Steel hoist prime 10.25 cheque 10.25 simil 10.26 Provided apply 10.26 10.26 10.26 10.26 10.26 tree provided streen PA 6	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. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes kg Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
10.25 Steel hoist prime 10.25 cheque 10.25 simil 10.26 Provided apply 10.26 10.26 10.26 10.26 tree prime prime prime prime stree prime street prim	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. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes kg Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	12.90
hoist prime 10.25 cheque 10.25 simil 10.26 Provided apply 10.26 10.26 10.26 10.26 To strength PA 6	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. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes kg Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	6.20
prime 10.25 cheque 10.25 simil 10.26 Provide apply 10.26 10.26 10.26 10.26 To strength PA 6	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. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes Rg Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
10.25 chequent 10.26 simil 10.26 Provided apply 10.26 10.26 10.26 10.26 trend page 10.27 Provided strend page 10.26 trend pag	10.25.1 In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes Reg Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
10.26 Provided apply 10.26 10.26 10.26 10.26 Provided apply 10.26 10.26 10.26 Provided apply 10.26 10.26 Provided apply 10.26 Provided	chequered plate wherever required, all complete. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes Right and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
10.25 simil 10.26 Provide apply 10.26 10.	10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes Reg Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
10.26 Provided apply 10.26 10.26 10.26 10.26 Provided apply 10.26 10.26 10.26 Provided apply 10.27 Provided apply	similar works. 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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes kg Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	141.40
10.26 Provided apply 10.26 10.26 10.26 10.26 Provided apply 10.26 10.26 10.26 Provided apply 10.26 Provided apply 10.27 Provided apply 10.26 Provided apply	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 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes kg Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
10.27 Proviniero stren PA 6	ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. 10.26.1 M.S. tube 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes Regularized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	181.60
10.27 Provimiero stren PA 6	applying priming coat of approved steel primer. 10.26.1 M.S. tube 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes Regular and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
10.26 10.26 10.27 Provi micro stren PA 6	10.26.1 M.S. tube 10.26.2 E.R.W. tubes 10.26.3 G.I. pipes Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
10.26 10.27 Proviniero stren PA 6	10.26.2 E.R.W. tubes 10.26.3 G.I. pipes Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
10.27 Provimiero stren PA 6	Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	161.05
10.27 Provi	Providing and fixing carbon steel galvanized (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 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	154.70
micro stren PA 6	micron)dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm²) counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	197.45
micro stren PA 6	micron)dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm²) counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
stren PA 6	strength 480 N/mm²) counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
PA 6	PA 6 grade sleeve, including drilling of hole in frame, concrete masonry etc. as per direction of Engineer-in-charge.	
	etc. as per direction of Engineer-in-charge.	
etc. a		
10.27	10.27.1 10x60 mm each	111.70
10.27	10.27.2 10x80 mm each	114.35
10.27	10.27.3 10x120mm each	144.30
10.22	10.27.4 10x140mm each	159.70
10.2	10.27.5 10x160mm each	195.65
10.27 10.27	10.27.2 10x80 mm 10.27.3 10x120mm each	111.70 114.35 144.30

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
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 ,including fixing the railing		
	with necessary accessories and 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.).	kg	753.75
10.29	Providing and fixing fly proof wire gauze to windows, clerestory windows		
	and doors with M.S Flat 15x3 mm and nuts and bolts complete.		
	10.29.1 Galvanized M.S wire gauze with 0.63 mm dia wire and 1.4 mm		
	aperture on both sides	sqm	775.50
	10.29.2 Stainless steel (grade 304) wire gauze of 0.5mm dia wire and 1.4		
	mm aperture on both sides.	sqm	1014.85
10.30	Providing and fixing glass panes with putty and glazing clips in steel doors,		
	windows, clerestory windows, all complete with:		
	10.30.1 4.0mm thick glass panes	sqm	1070.20
	10.30.2 5.0mm thick glass panes	sqm	1210.00
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.	kg	135.05



Rock on edge flooring in required pattern with common burnt clay non-modular bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar and curing complete 11.1.1 14 (Lement: 4 coarse sand) sqm 993.10 11.2	CODE	DESCRIPTION 11.0 (FLOORING)	UNIT	RATE
Brick on edge flooring in required pattern with common burnt clay non-modular bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar and curing complete 11.1.1 1.14 (Icement: 4 coarse sand)		DESCRIPTION	ONII	
Dry brick on edge flooring in required pattern with common burnt clay non-modular bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with fine sand Cement concrete flooring 1:2:4 (1cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.3.1 25mm thick with 12.5 mm nominal size stone aggregate. 11.3.2 40mm thick with 20 mm nominal size stone aggregate. 11.3.3 50 mm thick with 20 mm nominal size stone aggregate. 11.4 DELETED 11.5 DELETED 11.6 52mm 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 5 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.7 62mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement toncrete 1:2:4 (1 cement parameters) and 1:4 graded stone aggregate 20 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of fement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.8 1 8 mm thick ement concrete lize4 (1 cement mortar 1:3 (1 cement; 3 coarse sand), finished with a floating coat of neat cement mortar 1:3 (1 cement; 3 coarse sand), finished with a floating coat of neat cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement mortar 1:3 cearse sand) finished with a floating coat of cement mortar 1:3 cearse sand) finished with a floating coat of cement mortar 1:3 cearse sand) finished with a floating coat of cement roacide mix cement plaster 1:3 (1 cement: 3 coarse sand) 11.9 1 18 mm thick with under layer 12 mm thick cement	11.1	modular bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar and curing complete 11.1.1 1:4 (1cement: 4 coarse sand)	sqm	1046.20
non-modular bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with fine sand Cement concrete flooring 1:2:4 (1cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.3.1 25mm thick with 12.5 mm nominal size stone aggregate. 11.3.2 40mm thick with 20mm nominal size stone aggregate. 11.3.3 50 mm thick with 20mm nominal size stone aggregate. 11.3.3 50 mm thick with 20mm nominal size stone aggregate. 11.4 DELETED 11.6 52mm 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) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.7 62mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete lororing with concrete hardener topping under layer 50 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement and concrete hardener consisting of mix 1:2 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.8			sqm	993.10
aggregate) finished with a floating coat of neat cement including cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.3.1 25mm thick with 12.5 mm nominal size stone aggregate. 11.3.2 40mm thick with 20 mm nominal size stone aggregate. 11.3.3 50 mm thick with 20 mm nominal size stone aggregate. 11.3.5 DELETED 11.6 DELETED 11.6 S2mm 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 0 mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.7 S2mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete flooring with concrete hardener with 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.8 Cement plaster skirting upto 30cm height with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.9 Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement : 3 coarse sand) 11.9 Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in m	11.2	non-modular bricks of class designation 7.5 on a bed of 12 mm cement	sqm	868.50
11.3.2 40mm thick with 20 mm nominal size stone aggregate. 11.3.3 50 mm thick with 20mm nominal size stone aggregate. 11.4 DELETED 11.5 DELETED 11.6 52mm 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 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.7 62mm 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 20 mm nominal size) and top layer 12mm 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 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.8 Cement plaster skirting upto 30cm height with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.8.1 18 mm thick 11.8.2 DELETED 11.9 Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion. 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.1 Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curin	11.3	aggregate) finished with a floating coat of neat cement including cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete.	sam	409.25
11.3 3 50 mm thick with 20mm nominal size stone aggregate. 11.4 DELETED 11.5 DELETED 11.6 S2mm 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 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.7 62mm 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 20 mm nominal size) and top layer 12mm 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 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.8 Cement plaster skirting upto 30cm height with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.9 Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion. 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand). 11.10 Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. 11.11 Extra for making chequers of approved pattern on cement concrete			_	
11.5 DELETED 11.6 52mm 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 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.7 62mm 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 20 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.8 Cement plaster skirting upto 30cm height with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.8.1 18 mm thick 11.8.2 DELETED Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement 2 coarse sand) finished with a floating coat of cement 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement 1:3 (1 cement: 3 coarse sand) 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.1 12 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.2 Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. 11.10 Cement: 3 coarse sand) 11.11 Extra		Ce C		
11.6 52mm 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 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete. 11.7 62mm 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 20 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.8 Cement plaster skirting upto 30cm height with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.8.1 Bmm thick 11.8.2 DELETED 11.9 Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.1 Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. 11.10 Extra for making chequers of approved pattern on cement concrete	11.4		7	
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 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.7 62mm 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 20 mm nominal size) and top layer 12mm 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 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.8 Cement plaster skirting upto 30cm height with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.9 Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion. 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand). 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand). 11.10 Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. 11.11 Extra for making chequers of approved pattern on cement concrete	11.5	DELETED		
excluding the cost of nosing of steps etc. complete. 62mm 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 20 mm nominal size) and top layer 12mm 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 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.8 Cement plaster skirting upto 30cm height with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.8.1 18 mm thick 11.8.2 DELETED 11.9 Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion. 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand). 11.9.1 Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. 11.10 Extra for making chequers of approved pattern on cement concrete	11.6	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 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 liter per 50kg of cement or as per manufacturer's		
11.7 62mm 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 20 mm nominal size) and top layer 12mm 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 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete. 11.8 Cement plaster skirting upto 30cm height with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.9 Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of irron per 50 kg of cement in mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion. 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand). 11.10 Cement concrete pavement with 1:2:4 (1cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. 11.11 Extra for making chequers of approved pattern on cement concrete			sgm	816.00
Cement plaster skirting upto 30cm height with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.8.1 18 mm thick 11.8.2 DELETED Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion. 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand). Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. Extra for making chequers of approved pattern on cement concrete	11.7	62mm 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 20 mm nominal size) and top layer 12mm 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 liter per 50kg of cement or as per manufacturer's specifications, including cost of cement slurry and curing complete, but	o-q-o-	
cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.8.1 18 mm thick 11.8.2 DELETED Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion. 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand). 11.10 Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. 11.11 Extra for making chequers of approved pattern on cement concrete			sqm	880.60
Red oxide plaster skirting (upto 30cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion. 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand). 11.10 Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. 11.11 Extra for making chequers of approved pattern on cement concrete	11.8	cement: 3 coarse sand), finished with a floating coat of neat cement and curing complete. 11.8.1 18 mm thick	sqm	550.60
thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion. 11.9.1 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) sqm 624.80 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement: 3 coarse sand). sqm 643.40 11.10 Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. cum 7176.05	11.9			
(1 cement : 3 coarse sand) 11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement : 3 coarse sand). Cement concrete pavement with 1:2:4 (1 cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. Extra for making chequers of approved pattern on cement concrete	11.7	thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion.		
11.10 Cement concrete pavement with 1:2:4 (1cement: 2 coarse sand: 4 graded crushed stone aggregate 20 mm nominal size) including finishing and curing complete. cum 7176.05 11.11 Extra for making chequers of approved pattern on cement concrete		11.9.2 21 mm thick with under layer 15 mm thick cement plaster 1:3		
crushed stone aggregate 20 mm nominal size) including finishing and curing complete. Cum 7176.05 Extra for making chequers of approved pattern on cement concrete			sqm	643.40
11.11 Extra for making chequers of approved pattern on cement concrete	11.10	crushed stone aggregate 20 mm nominal size) including finishing and		-15
	44	<u> </u>	cum	7176.05
54m 00.50	11.11	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc	sqm	66.50

CODE	DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	UNII	KAIL
NO.	TERRRAZO FLOORING		•
11.12	40mm thick marble chips flooring rubbed and polished to granolithic		
11.12	finish, under layer 34 mm thick cement concrete 1:2:4 (1 cement: 2		
	coarse sand : 4 graded stone aggregate 12.5mm nominal size and top		
	layer 6 mm thick with white, black, chocolate, grey, yellow or green		
	marble chips of sizes from 1mm 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 and curing complete:		
	11.12.1 Dark shade pigment with ordinary cement.	sqm	912.55
	11.12.2 Light shade pigment with white cement.	sqm	964.35
	11.12.3 Medium shade pigment with 50% white cement and 50%	Sqiii	704.55
	ordinary cement.	sqm	933.75
	11.12.4 White cement without any pigment.	sqm	927.40
	11.12.5 Light shade pigment with ordinary cement.	sqm	922.05
	11.12.6 Ordinary cement without any pigment.	sqm	880.25
11.13	40mm thick marble chips flooring rubbed and polished to granolithic	sqiii	000.23
11.13	finish, under layer 31mm thick cement concrete 1:2:4 (1 cement : 2		
	coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top		
	layer 9mm thick with white, black, chocolate, grey, yellow or green		
	marble chips of sizes from 4 mm to 7mm 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 and curing complete:		
	11.13.1 Dark shade pigment with ordinary cement.	sqm	963.90
	11.13.2 Light shade pigment with white cement.	sqm	1037.85
	11.13.3 Medium shade pigment with 50% white cement and 50%	Sqiii	1037.03
	ordinary cement.	sqm	994.10
	11.13.4 White cement without any pigment.	sqm	987.25
	11.13.5 Light shade pigment with ordinary cement.	sqm	973.40
	11.13.6 Ordinary cement without any pigment.	sqm	917.85
11.14	40mm thick marble chips flooring rubbed and polished to granolithic	sqm	717.05
11,17	finish, under layer 28mm thick cement concrete 1:2:4 (1 cement : 2		
	coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top		
	layer 12mm thick with white, black, chocolate, grey, yellow or green		
	marble chips of sizes from 7 mm to 10mm 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 and curing complete :		
	11.14.1 Dark shade pigment with ordinary cement.	sqm	1018.50
	11.14.2 Light shade pigment with white cement.	sqm	1122.10
	11.14.3 Medium shade pigment with 50% white cement and 50%	Sqm	1122.10
	ordinary cement.	sqm	1060.80
	11.14.4 White cement without any pigment.	sqm	1043.25
	11.14.5 Light shade pigment with ordinary cement.	sqm	1037.45
	11.14.6 Ordinary cement without any pigment.	sqm	958.60
11.15	Marble chips skirting upto 30 cm height, rubbed and polished to	1	
	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:		
	11.15.1 18 mm thick with under layer 12 mm thick cement plaster 1:3		
	(1 cement : 3 coarse sand) –		
	11.15.1.1 Dark shade pigment with ordinary cement.	sqm	1489.60
I	1 0 mm r 0 mm r	· 1 ·-	

CODE	11.0 (FLOORING)	TINITE	D A (DE
CODE	DESCRIPTION	UNIT	RATE
NO.	11.15.10. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		₹
	11.15.1.2 Light shade pigment with white cement.	sqm	1541.40
	11.15.1.3 Medium shade pigment with 50% white cement and 50%		
	ordinary cement.	sqm	1520.30
	11.15.1.4 White cement without any pigment.	sqm	1504.50
	11.15.1.5 Light shade pigment with ordinary cement.	sqm	1499.10
	11.15.1.6 Ordinary cement without any pigment.	sqm	1457.30
	11.15.2 21 mm thick (DELETED)		
11.16	Providing and fixing strips in joints of terrazzo/ cement concrete floors.		
	11.16.1 Glass strips		
	11.16.1.1 40 mm wide and 4 mm thick	meter	72.60
	11.16.1.2 40 mm wide and 6 mm thick	meter	78.50
	11.16.2 Aluminum strips (DELETED)		
11.17	Extra for terrazzo flooring laid as floor borders, margins and similar		
	bands exceeding 7.5 cm but not exceeding 30 cm in width.	sqm	49.25
11.18	Extra for laying terrazzo flooring on staircase treads not exceeding 30	54111	17.23
11.10		eam	73.85
11 10	cm in width, including cost of forming, nosing etc	sqm	
11.19	Extra for laying terrazzo in narrow bands not exceeding 7.5cm in width.	meter	5.25
44.50			
11.20	Extra for making moulded nosing in terrazzo including returned moulded		
	ends and angles to mouldings.	meter	208.70
11.21	Special surface finishing to treads, risers and the ends of concrete steps		
	and the like, including form work	sqm	77.25
11.22	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 1mm to 4mm nominal size by volume), with under		
	layer 25mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4		
	graded stone aggregate 12.5mm nominal size), including rubbing,		
	polishing and cement slurry and curing complete.		
	11.22.1 18 mm thick crazy marble stone white, black or as specified.	sqm	1570.05
	TILE FLOORING	oq	15 / 0.05
11.23	Precast terrazzo tiles 22mm thick with graded marble chips of size upto		
11.23			
	12 mm, laid in floors, and landing, jointed with neat cement slurry		
	mixed with pigment to match the shade of the tiles including rubbing		
	polishing and curing complete, on 20 mm thick bed of cement mortar 1:4		
	(1 cement : 4 coarse sand)		
	11.23.1 Light shade using white cement	sqm	1438.30
	11.23.2 Medium shade using 50% white cement and 50% ordinary		
	cement.	sqm	1375.60
	11.23.3 Dark shade using ordinary cement.	sqm	1337.90
	11.23.4 Ordinary cement without any pigment.	sqm	1270.55
11.24	Extra if terrazzo tiles are laid in treads of steps not exceeding 30 cm in		
	width.	sqm	92.25
11.25	Precast terrazzo tiles 22mm thick with graded marble chips of size upto		
	12 mm, in skirting and risers of steps not exceeding 30 cm in height, on		
	12 mm thick cement plaster 1:3 (1cement : 3 coarse sand), jointed with		
	neat cement slurry mixed with pigment to match the shade of the tiles,		
	including rubbing, polishing and curing complete with tiles of:		
	11.25.1 Light shade using white cement	sqm	2095.90
	11.25.1 Eight shade using winte cement and 50% ordinary 11.25.2 Medium shade using 50% white cement and 50% ordinary	oq	20,5.,0
		cam	2016.50
	cement.	sqm	
	11.25.3 Dark shade using ordinary cement.	sqm	1967.30
	11.25.4 Ordinary cement without any pigment.	sqm	1882.45

CODE	11.0 (FLOORING)	TINITE	DATE
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
11.26	Precast terrazzo tiles 22mm thick with graded marble chips of size upto		
	12mm fixed on walls, on 12mm 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, polishing and curing		
	complete with tiles of :		
	11.26.1 Light shade using white cement	sqm	2027.75
	11.26.2 Medium shade using 50% white cement and 50%	Sqm	2027.73
	ordinary cement	sam	1948.40
		sqm	
	11.26.3 Dark shade using ordinary cement.	sqm	1899.15
	11.26.4 Ordinary cement without any pigment.	sqm	1814.35
11.27	Extra if cut tiles other than half tiles are used in risers of steps, skirting		
	and dado.	sqm	318.20
11.28	Chequerred terrazzo tiles 22mm thick with graded marble chips of size		
	upto 6mm in floors, jointed with neat cement slurry mixed with		
	pigment to match the shade of the tiles, including rubbing, polishing and		
	curing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement : 4		
	coarse sand).		
	11.28.1 Light shade using white cement	sam	1460.40
		sqm	1700.40
	8		1207.65
	ordinary cement.	sqm	1397.65
	11.28.3 Dark shade using ordinary cement.	sqm	1359.95
	11.28.4 Ordinary cement without any pigment.	sqm	1292.85
11.29	Chequerred precast cement concrete tiles 22mm thick in footpath and		
	courtyard, jointed with neat cement slurry mixed with pigment to match		
	the shade of the tiles, including rubbing, cleaning and curing complete,		
	on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).		
	11.29.1 Light shade using white cement	sqm	1293.60
	11.29.2 Medium shade using 50% white cement and 50% ordinary	34111	12,0.00
	cement.	sqm	1150.75
			971.15
	11.29.3 Dark shade using ordinary cement.11.29.4 Ordinary cement without any pigment.	sqm	
11 20		sqm	903.85
11.30	Chequerred terrazzo tiles 30mm thick with graded marble chips of size		
	upto 12mm in stairs treads jointed with neat cement slurry mixed with		
	pigment to match the shade of the tiles, including rubbing and polishing,		
	rounding of nosing and curing complete on 20 mm thick bed of cement		
	mortar 1:4 (1 cement : 4 coarse sand)		
	11.30.1 Light shade using white cement	sqm	NA
	11.30.2 Medium shade using 50% white cement and 50% ordinary	_	
	cement.	sqm	NA
	11.30.3 Dark shade using ordinary cement.	sqm	NA
	11.30.4 Ordinary cement without any pigment.	sqm	NA NA
11 21		sqiii	IVA
11.31	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 direction of Engineer-in-charge		
	11.31.1 In flooring on a bed of 10mm thick mortar 1:4 (1 acid proof		
	cement: 4 coarse sand)	sqm	1608.30
	11.31.2 In dado/skirting on 12mm thick mortar 1:4		
	(1 acid proof cement : 4 coarse sand)	sam	1714.20
11.32	Tile work in skirting, risers of step and dedo upto 2 metre height, over	sqm	
11.32			
	12mm 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.		
	11.32.1 Marble tiles (polished) Raj Nagar.		

CODE	DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	UNII	KAIE
110.	11.32.1.1 8 mm thick	Sqm	1294.80
	MARBLE STONE FLOORING	Sqiii	127 1.00
11.33	Flooring with marble stone of specified thickness 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, polishing and curing complete	Rate per	sqm
	with:	16mm	18mm
	11.33.1 Makrana White Second quality	3316.05	3300.65
	11.33.2 Makrana Doongri adanga veined.	5531.70	5762.45
	11.33.3 Raj Nagar plain	2192.85	2262.10
	11.33.4 Agaria White	3876.10	3876.10
	11.33.5 Black zebra	2423.65	2608.30
	11.33.6 Udaipur green marble	1992.85	2023.60
	11.33.7 Pink plain marble	2085.15	2123.60
11.34	Extra for pre finished nosing to treads of steps of marble stone	meter	553.70
11.35	Extra for marble stone flooring in treads of steps and risers using single		
	length up to 2.00 meter.	sqm	644.25
	KOTA STONE FLOORING		
11.36	Kota stone slab flooring 25 mm thick over 20mm (average) thick base		
	laid over and jointed with grey cement slurry mixed with pigment to		
	match the shade of the slab, including rubbing, polishing and curing		
	complete with base of cement mortar 1:4 (1 cement : 4 coarse sand) :	sqm	1891.75
11.37	Kota stone slab 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, polishing and curing complete.	sqm	2186.30
	SAND STONE FLOORING		
11.38	40mm thick fine dressed stone flooring over 20mm (average) thick base		
	of cement mortar 1:5 (1 cement: 5 coarse sand) with joints finished		
	flush and curing complete:		
	11.38.1 Red sand stone	sqm	950.85
	11.38.2 White sand stone	sqm	980.30
11.39	40mm thick fine dressed stone flooring over 20mm (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 and curing complete.		1115 50
	11.39.1 Red sand stone	sqm	1147.50
11.40	11.39.2 White sand stone	sqm	1176.95
11.40	40 mm thick fine dressed and rubbed stone flooring over 20mm		
	(average) thick base of cement mortar 1:5 (1 cement: 5 coarse sand),		
	with joints 3mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixture with pigment to match the shade of stone and		
	pointing with the same mortar and curing complete.		
	11.40.1 Red sand stone	sqm	1238.85
	11.40.2 White sand stone.	_	1268.30
11.41	Extra for pre finished nosing in treads of steps of kota stone/ sand stone	sqm	1200.30
11.41	slab.	meter	161.75
11.42	Extra for kota stone/sand stone flooring in treads of steps and risers using		
	single length up to 1.05 meter.	sqm	34.45
11.43	WOODEN FLOORING		
	Wooden planking, tongued and grooved in flooring including fixing with		
	iron screws complete:		
	11.43.1 12 mm thick		

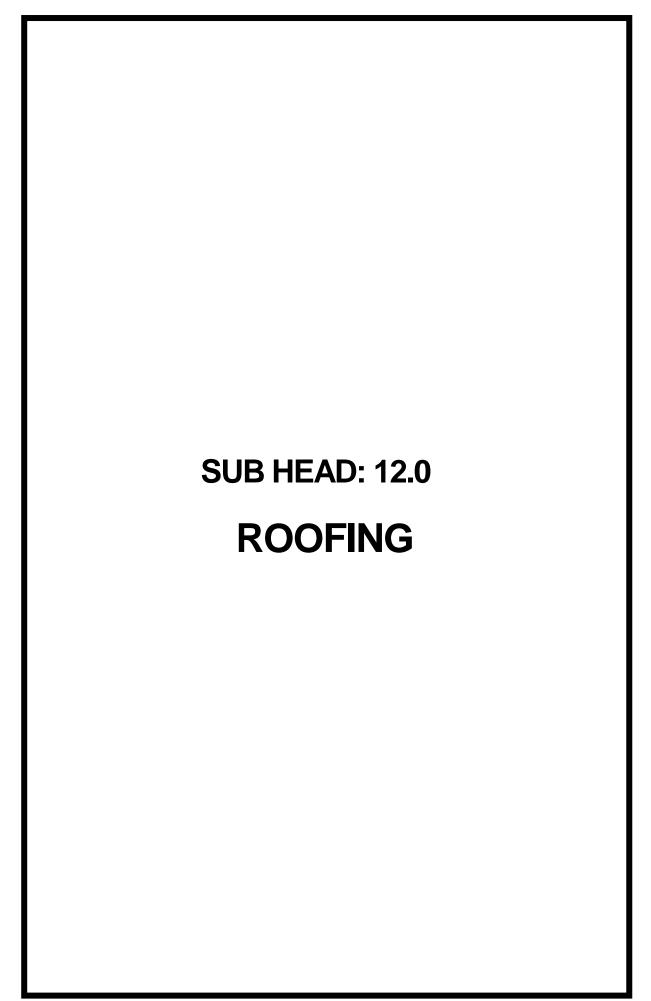
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	11.43.1.1 Second class teak wood	sqm	2668.10
	11.60.1.2 Second class deodar wood	sqm	2048.10
	11.43.2 15 mm thick		
	11.43.2.1 Second class teak wood	sqm	3229.50
	11.43.2.2 Second class deodar wood	sqm	2473.90
	11.43.3 18 mm thick		
	11.43.3.1 Second class teak wood	sqm	3789.35
	11.43.3.2 Second class deodar wood	sqm	2898.55
	11.43.4 25 mm thick		**************************************
	11.43.4.1 Second class teak wood	sqm	5098.75
11 44	11.43.4.2 Second class deodar wood	sqm	3891.80
11.44	38mm thick wood block flooring of first class teak wood laid over 25mm		
	thick leveling layer of cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 10mm nominal size) to be paid separately coated,		
	with a thin layer of hot bitumen (blown type) @ 2.45 kg per sqm,		
	including fixing blocks in position after dipping in hot bitumen (blown		
	type) upto half depth, planed, levelled smooth and finished complete.	sqm	11999.65
	-3,r -7 apro 11111 depuis, piantea, reventea sinooni and iniminea complete.	_ ~ 4	11///.03
11.45	Extra for plaining the lower surface of wooden planking	Sqm	203.95
-			
11.46	DELETED		
11.47	DELETED		
11.48	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 60 cm apart (minimum		
	three lugs to be provided), including necessary welding and applying a		
	priming coat of approved primer on exposed surface etc. complete.	kg	172.00
11.50	Providing and loving Commissional floor tiles 200, 200 mm (this language		
11.50	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturers) of 1st quality conforming to IS:		
	15622 of approved make, laid on 20 mm thick bed of cement mortar 1: 4		
	(1 cement : 4 coarse sand) including pointing the joints with white		
	cement and matching pigment etc., complete.		
	11.50.1 In colour such as White, Ivory, Grey, Fume Red Brown	sqm	1107.65
	11.50.2 In all colours, shades, except White, Ivory, Fume Red Brown	sqm	1170.75
	and totals, shades, cheepe white, froig, fulle fed blown		1170.75
11.50A	Providing and fixing 1st quality ceramic glazed floor tiles conforming		1
	toIS: 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.	sqm	1106.05
44 =-			1
11.51	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, laid on 20 mm		
	thick cement mortar 1:4 (1Cement : 4 Coarse sand), including grouting		
	the joints with white cement and matching pigments etc., complete.	cam	1222 20
	11.51.1 In colour such as White, Ivory, Grey, Fume Red Brown	sqm	1222.30
	11.51.2 In all colours, shades, except White, Ivory, Fume Red Brown	sam	1222.30
	DIOWII	sqm	1222.30
		<u> </u>	

CODE	DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	UNII	KAIE
NO.	VITDIEIED ELOOD THEC		•
11.52	VITRIFIED FLOOR TILES Drawiding and laving vitrified floor tiles in different sizes (thickness to		
11.52	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 (1cement :4 coarse sand)		
	including grouting the joints with white cement and matching pigments		
	etc. complete		1212.05
	11.52.1 Size of tile 500x500 mm	sqm	1312.85
	11.52.2 Size of tile 600x600 mm	sqm	1395.10
	11.52.3 Size of tile 800x800 mm	sqm	1857.90
	11.52.4 Size of tile 1000x1000 mm	sqm	2529.90
11.53	Deduct for not using 20mm thick cement mortar 1:4 (1 cement: 4 coarse		7. 0000
	sand) bedding in laying of floor tiles.	sqm	750.20
11.54	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 and		
	manufacturer, in all colours and shades, 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).		
	11.54.1 Size of tile 500x500 mm	sqm	1407.75
	11.54.2 Size of tile 600x600 mm	sqm	1490.05
	11.54.3 Size of tile 800x800 mm	sqm	1956.30
	11.54.4 Size of tile 1000x1000 mm	sqm	2628.30
11.55	Deduct for not grouting the joints with white cement and matching		
	pigment in the items of fixing of vitrified tiles.	sqm	13.80
11.56	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 and shades,		
	in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1		
	cement: 3 coarse sand), including grouting the joint with white cement		
	and matching pigments etc. complete.		
	11.56.1 Size of tile 500x500 mm	sqm	1366.60
	11.56.2 Size of tile 600x600 mm	sqm	1448.90
	11.56.3 Size of tile 800x800 mm	sqm	1915.15
	11.56.4 Size of tile 1000x1000 mm	sqm	2587.15
11.56A	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	Metre	169.45
11.57	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 shades, 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).		
	11.57.1 Size of tile 500x500 mm	sqm	1535.65
	11.57.2 Size of tile 600x600 mm	sqm	1617.95
	11.57.3 Size of tile 800x800 mm	sqm	2084.20
	11.57.4 Size of tile 1000x1000 mm	sqm	2756.20
	-		

CODE	11.0 (FLOURING)	TINITE	DATE
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
11.58	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.		
	11.58.1 Size of tile 500x500 mm	sqm	305.30
	11.58.2 Size of tile 600x600 mm	sqm	253.70
	11.58.3 Size of tile 800x800 mm	sqm	202.10
	11.58.4 Size of tile 1000x1000 mm	sqm	145.40
11.59	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	sqm	649.10
11.60	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.	sqm	754.45
11.61	Providing and laying 500x500x40 mm thick Turf paver (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 fine		
	sand, including spreading, well ramming, consolidating and finishing		
	smooth etc. all complete as per direction of Engineer-in-charge.	sqm	1295.25
11.62	DELETED	1	1
11.63	Providing and laying machine cut, mirror polished, Italian Marble stone		
11.05	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.		
	a. 18 mm thick Italian Marble stone slab, Perlato, Rossoverona, Fire	nam	6502.90
11.74	Red or Dark Emperadore etc.	sqm	6593.80
11.64	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.		
	a. 18 mm thick Italian Marble stone slab, Perlato, Rossoverona, Fire Red		
	or Dark Emperadore etc.	sqm	7695.15
11.65	Providing and fixing Glass mossaic tiles at 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		
		<u> </u>	1

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 : 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite	RATE ₹ 3393.95
inclusive of all operation, material and required pattern approved by Engineer-in-Charge: 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: 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. 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	3393.95
Engineer-in-Charge: 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: 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. 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	
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 : 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. 11.67 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	
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 : 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. 11.67 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	10160.15
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 : 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. 11.67 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	10160.15
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: 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. 11.67 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	10160.15
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: 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. 11.67 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	10160.15
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: 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. 11.67 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	10160.15
including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge: 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. 11.67 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	10160.15
as directed by the Engineer-in-Charge: 11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. 11.67 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	10160.15
11.66.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. sqm 1 11.67 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	10160.15
Brown, Cat Eye or equivalent. sqm 1 11.67 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	10160.15
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	
and its components of approved make for different plenum height with possible height adjustment upto 50 mm, comprising of modular load	
possible height adjustment upto 50 mm, comprising of modular load	
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 Pyro grip non-combustible 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	

CODE	DESCRIPTION	UNIT	RATE₹
NO.			
	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.		
	11.67.1 300 mm Finished Floor Height (FFH)	sqm	5142.35
	11.67.2 450 mm Finished Floor Height (FFH).	sqm	5469.85
11.68	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.		
	11.68.1 Polished Granite stone slab jet Black, Cherry Red, Elite		
	Brown, Cat Eye or equivalent.	sqm	2336.45



CODE	12.0 (Rooting)	TINITE	DA (DE
CODE	DESCRIPTION	UNIT	RATE
NO.	G G A GYMPENG POOPPAG		₹
	C.G.I. SHEETS ROOFING		
12.1	Providing corrugated G. S. sheet roofing including vertical/curved surface		
	fixed with polymer coated J or L hooks, bolts and nuts 8mm 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 (upto any pitch in		
	horizontal/vertical or curved surface)excluding the cost of purlins, rafters		
	and trusses and including cutting to size and shape wherever required.		
	12.1.1 1.60 mm thick with zinc coating not less than 350 gram/m ²	sqm	1908.75
	12.1.2 1.25 mm thick with zinc coating not less than 350 gram/m ²	sqm	1579.95
	12.1.3 1.00 mm thick with zinc coating not less than 275 gram/m ²	sqm	1345.75
	12.1.4 0.80 mm thick with zinc coating not less than 275 gram/m ²	sqm	1158.35
	12.1.5 0.63 mm thick with zinc coating not less than 275 gram/m ²	sqm	974.05
	12.1.6 0.50 mm thick with zinc coating not less than 275 gram/m ²	sqm	852.50
12.2	Extra for straight cutting in C.G.S. sheet roofing for making opening of		
	area exceeding 40sq.decimetre for chimney stacks, sky light etc.		
	12.2.1 1.60 mm thick	metre	145.45
	12.2.2 1.25 mm thick	metre	115.15
	12.2.3 1.00 mm thick	metre	90.90
	12.2.4 0.80 mm/0.63 mm/0.50 mm thick	metre	72.75
12.3	Extra for circular cutting in C.G.S. sheet roofing for making opening of		
	area exceeding 40 square decimeter.		
	12.3.1 1.60 mm thick	metre	814.15
	12.3.2 1.25 mm thick	metre	636.70
	12.3.3 1.00 mm thick	metre	509.65
	12.3.4 0.80 mm/0.63 mm thick	metre	407.10
	12.3.5 0.50 mm thick	metre	319.00
12.4	Providing ridges or hips of width 60cm overall width plain G.S. sheets		
	fixed with polymer coated J. or L hooks, bolts and nuts 8mm dia G.I.		
	limpet and bitumen washers complete.		
	12.4.1 0.80 mm thick with zinc coating not less than 275 gram/m ²	metre	840.15
	12.4.2 0.63 mm thick with zinc coating not less than 275 gram/m ²	metre	761.95
	12.4.3 0.50 mm thick with zinc coating not less than 275 gram/m ²	metre	690.85
12.5	Providing valleys of 90cm wide overall in plain G.S. sheets fixed with	meuc	070.03
12.5	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 gram/m ²	metre	1433.25
	12.5.2 1.25 mm thick with zinc coating not less than 350 gram/m ²	metre	1234.40
	12.5.3 1.00 mm thick with zinc coating not less than 275 gram/m ²	metre	1071.35
12.6	Providing and fixing flashing of 40cm overall width in plain G.S. sheets	meuc	1071.33
12.0	fixed with polymer coated J or L hooks, bolts and nuts G.I. limpet and		
	* *		
	bitumen washers complete, bent to shape and fixed in wall with cement		
	mortar 1:3 (1 cement : 3 coarse sand)		759.60
	12.6.1 1.25 mm thick with zinc coating not less than 350 gram/m ²	metre	758.60
10.5	12.6.2 1.00 mm thick with zinc coating not less than 275 gram/m ²	metre	700.45
12.7	Providing and fixing 15cm 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.		702.25
	12.7.1 0.80 mm thick with zinc coating not less than 275 gram/m ²	metre	723.25
	12.7.2 0.63 mm thick with zinc coating not less than 275 gram/m ²	metre	795.60
12.14	Providing flat iron brackets 50 x 3 mm size with necessary bolts, nuts and		
	washers etc. for fixing asbestos cement/ G.S. sheets gutters with purlins.	metre	96.55
12.15	Painting top of roofs with bitumen of approved quality at 17 kg per 10sqm		
	impregnated with a cost of coarse sand at 60 cudm per 10 sqm including		
	cleaning the slab surface with brushes and finally with a piece of cloth		
	169	·	

	12.0 (Roofing)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	lightly soaked in kerosene oil complete.		101.00
	12.15.1 with residual type petroleum bitumen of grade VG-10	Sqm	191.90
12.16	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.		450.25
12.17	Extra for straight cutting in reinforced by organic fibres and/or inorganic	sqm	459.35
12.17	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.	metre	72.75
12.18	Extra for circular cutting in reinforced by organic fibres and/or inorganic		72170
12.10	synthetic fibres cement corrugated/ semi corrugated 6 mm thick sheet		
	roofing for making openings of area exceeding 40 square decimeter.	metre	200.90
12.19	Extra for providing and fixing wind ties of 40x6mm flat iron section	metre	232.80
12.20	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.		
	12.20.1 Corrugated serrated adjustable ridges	metre	433.95
	12.20.2 Plain wing adjustable ridges	metre	433.95
	12.20.3 Close fitting adjustable ridges	metre	487.45
	12.20.4 Unserrated adjustable hips	metre	433.90
10.01	ACCESSORIES		
12.21	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:		
	12.21.1 Corrugated Apron pieces	metre	359.50
	12.21.2 Eave's filler pieces	metre	291.35
	12.21.3 North light curves	metre	490.35
	12.21.4 Ventilator curves	metre	532.75
	12.21.5 Barge boards	metre	624.70
	12.21.6 Ridge finials	pair	267.90
	12.21.7 Special North light curves	each	875.30
	12.21.8 S type louvers	metre	493.75
12.22	Providing and fixing UV stabilized fiberglass reinforced plastic sheet		
	roofing upto any pitch including fixing with polymer coated 'J' or 'L'		
	hooks, bolts and 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 rovigs incorporating minimum 0.3%		
	Ultra-violet stabilizer 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.		
	12.22.1 2mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3"		
	or 6") as specified.	sqm	1232.00
	12.22.2 2mm thick flat	sqm	1144.85
12.23	Providing and fixing precoated galvanized iron profile sheets (size, shape	·1 -	
-	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		
	170	· · · · · · · · · · · · · · · · · · ·	

~~-	12.0 (Roofing)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	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		
		a a ma	706 50
	wherever required.	sqm	706.50
	ACCESSORIES		
12.24	Providing and fixing precoated galvanised steel sheet roofing		
	accessories0.50 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:		
	12.24.1 Ridges plain (500 - 600mm)	metre	508.70
	12.24.2 Flashings/ Aprons.(Upto 600 mm)	metre	468.85
	12.24.3 North light curves	metre	523.25
	12.24.4 Barge board (Upto 300 mm)	metre	376.55
	12.24.5 Crimp curve		419.45
	*	sqm	1174.10
10.05	12.24.6 Gutter .(600 mm over all girth	metre	11/4.10
12.25	10cm 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 at 35kg per cum of earth and gobri leaping with mix 1:1 (1		
	clay: 1 cow dung) and covered with specified 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 finishing neat.		
	12.25.1 With common burnt clay (non modular) brick tiles of class		
	designation 10.0	sqm	1063.80
	12.25.2 With machine moulded Common burnt clay (Non modular)	1	
	brick tiles of class designation 12.5 conforming to IS: 2690	sqm	NA
	construing to 181 2070	5 4	1111
12.26	Extra for every additional 1cm thickness of mud phaska.	sqm	20.40
	Providing and laying common burnt clay (non modular) brick tiles of class	sqiii	20.40
12.27			
	designation 10 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 a 12 mm layer of cement mortar 1:3 (1 cement :		
	3 fine sand) and finished neat.	sqm	759.30
12.28	Providing and laying pressed clay tiles (as per approved pattern 20mm		
	nominal thickness and 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 20mm thick cement mortar 1:4 (1		
	cement :4 coarse sand) and finished neat complete	sqm	606.50
12.29	Providing and fixing on roof pressed clay tile (Mangalore tile) of 20 mm	1	
	nominal thickness and of approved size and as per approved pattern on		
	steel frame work complete (steel frame work to be paid separately).	sam	344.80
	steer traine work complete (steer traine work to be paid separately).	sqm	J 44 .0U
10.00			
12.30	Providing and fixing on roof pressed clay tile ridge (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).	sqm	80.85
12.31	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. In 75x75		
	mm deep chase.	metre	241.45
	•		

	12.0 (Roofing)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
12.32	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 x1 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.	each	262.90
12.33	Providing sand stone slab for roofing and laying them in cement mortar 1	caen	202.70
12.33	: 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 :		0.4.4.77.0
	12.33.1 Red sand stone slab 40 to 50 mm thick	sqm	844.50
	12.33.2 White sand stone slab 40 to 50 mm thick	sqm	903.40
12.34	<u>CIELING</u>		
	Providing and fixing 20mm thick wooden planks ceiling (frame work for		
	base to be paid for separately) with M.S. screws		
	12.34.1 2 nd class teak wood	sqm	3126.65
	12.34.2 1st class deodar wood	sqm	3141.45
	12.34.3 1st class kail wood	sqm	2040.90
	12.34.4 2 nd class kail wood	sqm	1737.45
	12.34.5 Budloo/fir wood	sqm	763.00
12.35	Providing and fixing insulating board ceiling of approved quality with	Rate for thickness in	
	necessary nails etc. complete (frame work to be paid separately):	mm per sqm	
		12 mm	18 mm
	12.35.1 Natural colour insulating board	793.20	NA
	12.35.2 White face insulating board	925.65	NA
	12.35.3 Flame retardant face insulating board	984.55	NA
12.36	Providing and fixing 12 mm thick flat pressed 3 layer medium density	Sqm	822.65
12000	particle board or graded particle board (Grade I) IS: 3087 marked, in		
	ceiling with necessary nails etc. complete (frame work to be paid		
	separately):		
12.37	Providing and fixing plain multipurpose cement board(Height pressure		
12.57	steam cured) with suitable screws for cement particle board in ceiling etc.		
	complete (frame work to be paid separately).		
	12.37.1 6 mm thick Cement fiber board as per IS: 14862	Sqm	756.40
	12.37.1 6 min thick Cement hoef board as per 13. 14802 12.37.2 6 mm thick Cement bonded wood particle board as per	Sqiii	130.40
	IS:14276	sqm	756.40
	10.172/U	squi	150.40
12.38	Providing and fixing ceiling in Circular opening including cutting with:		
12.38	12.38.1 20 mm thick		
	12.38.1 20 mm thick 12.38.1.1 2 nd class Teak Wood planks	Sam	5098.80
		Sqm	
	12.38.1.2 1st class Deodar Wood planks	Sqm	5124.60
	12.38.1.3 1st class Kail Wood planks	sqm	4076.45
	12.38.2 12 mm thick Natural colour insulation board	sqm	2852.75
	12.38.3 White face insulating board	Rate per sq	
		12 mm	18 mm
	10.00 4 - 51	2973.15	NA
	12.38.4 Flame retardant face insulating board	Rate per sqm	
		12 mm	18 mm
		3026.65 NA	
	12.38.5 Standard quality hard board sheet	Rate per sq	
		3 mm	4.5 mm
		2712.25	2846.05

CODE	DESCRIPTION 12.0 (ROOTING)	UNIT	RATE
NO.	DESCRIPTION	OTVII	₹
12.39	Extra for providing and fixing ceiling to curved surfaces in narrow widths	Sqm	354.00
12.39	Providing and fixing false ceiling with 12 mm thick plain/ semi perforated	Sqiii	334.00
12.40	or with design ceiling tiles of BWP type phenol formaldehyde synthetic		
	resin bonded pressed particle board conforming to IS:3087, finished with a		
	coat of aluminum primer on both sides & edges, including two coats of		
	synthetic enamel paint of approved quality on exposed face, fixed to a grid		
	made out of anodized aluminum (with 15 micron anodic coating) T-		
	sections 35 x15x1.5 mm size main runners, cross runners 23.5x19x1.5 mm		
	fixed to main runners placed 600 mm centre to centre both ways so as to		
	form a grid of 600 mm square. The frame work shall be suspended from		
	ceiling by level adjusting hangers of 6 mm dia M.S rod fixed to roof slab		
	by means of ceiling cleats and dash fastener. The suspenders shall be		
	placed 600 x 1200 mm centre to centre including fixing to the frame with		
	C.P brass screws and applying a priming coat of zinc chromate yellow		
	primer (aluminum frame work shall be paid separately).	sqm	917.55
12.41	Extra for providing 3 mm thick translucent white acrylic plastic sheets of	_	
	approved quality in false ceiling instead of 12 mm thick plain or design		
	particle board ceiling tiles.	sqm	588.70
12.42	Providing 10 mm thick plaster of Paris (gypsum anhydrous) ceiling upto a	1	
	height of 5m 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):		
	12.42.1 Flat surfaces	sqm	1817.15
	12.42.2 Curved surfaces	sqm	2089.85
12.43	Extra for sunk or raised mouldings in the plaster of Paris (Gypsum	1	
	anhydrous) ceiling.	sqm	580.20
12.44	Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5	sqm/metre	
	meters height from floor level.	height	207.25
12.45	Providing and fixing 12mm thick plaster of Paris (gypsum anhydrous)		
	ceiling tiles upto a height of 5 Metres above floor level over wooden		
	frames and rendered smooth with plaster of Paris (frame work to be paid		
	separately).	sqm	1212.15
12.46	Extra for providing and fixing Plaster of Paris (Gypsum anhydrous)	1	
	ceiling tiles beyond 5 metres height from floor level (Height beyond 5 m	sqm/metre	
	to be measured for extra payment).	height	97.70
12.47	Providing, fixing and applying Plaster of Paris (POP) false ceiling		
	consisting of frame work made with 50mm sq M.S. tubes of 18 G		
	thickness as main runner at 600 mm c/c both ways, suspended/ supported		
	with M.S. flats 25x4 mm from existing R.C.C. slab, finished smooth to		
	line and level including necessary supports, scaffolding etc. as required		
	and also including applying a coat of red oxide zinc chromate primer over		
	the M.S. frame work and suspenders complete.		
	12.47.1 Including providing and fixing expanded metal of size 5.25		
	mm x 1.25 mm thickness welded to main runners and applying POP		
	(calcium sulphate semi hydrate variety) to the expanded metal of thickness		
	not less than 10 mm	cam	1881.45
		sqm	1001.43
	12.47.2 Including providing and fixing minimum 10 mm thick POP (calcium sulphate semi hydrate variety) jute reinforced tiles of 600 mm x		
		aam	1644.05
12.48	600 mm of plain or of approved design. Providing and fixing plain, square edged wooden beading 65x12 mm	sqm	1644.95
14.48	section with screws of approved quality for ceiling		
	12.48.1 2 nd class teak wood.	metre	203.45
	12.48.2 1st class deodar wood.	metre	203.43
	12.48.3 1st class kail wood.		161.60
	12.70.3 1 Class Rail WOOd.	metre	101.00
	173		

2000	12.0 (Roofing)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
12.49	Providing and fixing hard board sheet ceiling of approved quality with	Rate per so	Įm
	necessary nails etc. complete (frame work to be paid for separately)	3 mm	4.5 mm
	12.49.1 Standard Quality board	638.70	785.85
12.50	Providing and fixing thermal insulation of ceiling (under deck insulation)		
	with specified glass wool conforming to IS: 8183, 50mm thick, wrapped		
	in 200 G Virgin Polythene bags fixed to ceiling with metallic cleats		
	(50x50x3mm) @ 60cm c/c and wire mesh of 12.5mm x 24g wire for top		
	most ceiling of building.		
			610.45
	12.50.1 With resin bonded fiber glass wool with density 24 kg/cum	sqm	618.45
	12.50.2 With resin bonded rock wool with density 48 kg/cum	sqm	606.70
12.51	Providing and fixing thermal insulation with specified wool and density		
	conforming to IS: 8183, 50 mm thick, wrapped in 200G Virgin Polythene		
	bags placed over existing false ceiling and held in position by criss-		
	crossing GI wire.		
	12.51.1 With resin bonded fiber glass wool with density 16 kg/cum	sqm	255.50
	12.51.2 With resin bonded rock wool with density 48 kg/cum	sqm	307.00
12.52	Providing and fixing thermal insulation with specified wool and density	1	<u> </u>
	conforming to IS: 8183, 50 mm thick, wrapped in 200G Virgin Polythene		
	bags fixed to walls with screws, rawl plugs and washers and held in		
		aam	225 45
	position by criss-crossing GI wire etc. complete as per directions of	sqm	325.45
	Engineer-in-charge.	sqm	313.70
	12.52.1 With resin bonded fiber glass wool with density 24 kg/cum		
	12.52.2 With resin bonded rock wool with density 48 kg/cum		
12.53	Thermal Insulation of roofing with Expanded polystyrene fixed with		
	suitable adhesive to the false ceiling as per the directions of the Engineer-		
	in-charge.		
	12.53.1 With Type N-Normal 50 mm thick	sqm	302.65
	12.53.2 With Type SE-Self Extinguishing type 50 mm thick	sqm	346.80
	RAIN WATER SPOUT AND PIPE	- 1	
12.54	Providing and fixing 100 mm diameter and 60 cm long rain water spout in		
12.57	cement mortar 1:4 (1 cement : 4 fine sand)		
		an alb	125 40
	12.54.1 Stone ware spout.	each	135.40
10.77			
12.55	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		
	10x10x10cm 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.		
	12.55.1 100 mm dia.	each	302.25
	12.55.2 150 mm dia.	each	326.35
12.56	Providing lead caulked joints to sand cast iron water pipes and fittings:		
	12.56.1 100 mm dia pipe	each	493.15
	12.56.2 150 mm dia pipe	each	676.95
12.55	Providing, fixing and embedding sand cast iron accessories for rain water	Cacii	070.93
12.57	Providing Tiving and ampadding condition accordance for rain water		1
	pipes in the masonry surrounded with 12 mm thick cement mortar of the		
	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):		
	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): 12.57.1 Sand cast iron plain shoes		
	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):	each	440.00
12.58	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): 12.57.1 Sand cast iron plain shoes	each	440.00
	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): 12.57.1 Sand cast iron plain shoes 12.57.1.1 150 mm diametre Providing and fixing on wall face un-plasticized Rigid PVC rain water	each	440.00
	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): 12.57.1 Sand cast iron plain shoes 12.57.1.1 150 mm diametre Providing and fixing on wall face un-plasticized Rigid PVC rain water pipes conforming to IS: 13592 Type A including jointing with seal ring	each	440.00
	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): 12.57.1 Sand cast iron plain shoes 12.57.1.1 150 mm diametre Providing and fixing on wall face un-plasticized 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.	each	440.00
	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): 12.57.1 Sand cast iron plain shoes 12.57.1.1 150 mm diametre Providing and fixing on wall face un-plasticized 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		
	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): 12.57.1 Sand cast iron plain shoes 12.57.1.1 150 mm diametre Providing and fixing on wall face un-plasticized 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 12.58.1 75 mm diametre	metre	226.15
	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): 12.57.1 Sand cast iron plain shoes 12.57.1.1 150 mm diametre Providing and fixing on wall face un-plasticized 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		

Providing and fixing on wall face un-plasticized - PVC moulded fittings/accessories for un plasticized 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. 12.59.1		12.0 (Rooting)	·	
12.59 Providing and fixing on wall face un-plasticized - PVC moulded fittings/accessories for un plasticized including jointing with seal ring conforming to IS: 13592 Type A hielding jointing with seal ring conforming to IS: 3582 leaving 10 mm gap for thermal expansion. 12.59.1 Coupler		DESCRIPTION	UNIT	
fittings/accessories for un plasticized 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. 12.59.1 Coupler 12.59.1.2 T5 mm 12.59.2.2 110 mm 12.59.2.1 75 mm 12.59.2.1 175 mm 12.59.2.2 110 mm 12.59.3 Single push fit coupler 12.59.3.1 T5x75x75 mm 12.59.3.2 110x110x110 mm 12.59.3 Single tee with door 12.59.3.1 T5x75x75 mm 12.59.3.2 110x110x110 mm 12.59.4 Single tee without door 12.59.4.1 T5x75x75 mm 12.59.5 Bend 87.5° 12.59.5.1 T5 mm bend 12.59.6 Shoc (plain) 12.59.6 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised - 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. 12.60.1 75 mm 12.60.2 110 mm and 15x fix to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.60 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.60 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.60 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.60 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.60 Providing and fixing for the male hanger of 25x10x0.5mm or required length with nuts & botts of required size and other end of angle hanger fixed with All partition, including fixing of male clears of size 25 mm widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, on the p	NO.	l l	ļ ,	₹
fittings/accessories for un plasticized 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. 12.59.1 Coupler 12.59.1.2 T5 mm 12.59.2.2 110 mm 12.59.2.1 75 mm 12.59.2.1 175 mm 12.59.2.2 110 mm 12.59.3 Single push fit coupler 12.59.3.1 T5x75x75 mm 12.59.3.2 110x110x110 mm 12.59.3 Single tee with door 12.59.3.1 T5x75x75 mm 12.59.3.2 110x110x110 mm 12.59.4 Single tee without door 12.59.4.1 T5x75x75 mm 12.59.5 Bend 87.5° 12.59.5.1 T5 mm bend 12.59.6 Shoc (plain) 12.59.6 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised - 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. 12.60.1 75 mm 12.60.2 110 mm and 15x fix to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.60 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.60 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.60 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.60 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.60 Providing and fixing for the male hanger of 25x10x0.5mm or required length with nuts & botts of required size and other end of angle hanger fixed with All partition, including fixing of male clears of size 25 mm widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, on the p	12.59	Providing and fixing on wall face un-plasticized - PVC moulded		
conforming to IS : 13892 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. 12.59.1. Coupler 12.59.1.1 75 mm 12.59.2.2 Single push fit coupler 12.59.2.3 Single push fit coupler 12.59.2.1 75 mm 12.59.2.2 110 mm 12.59.3 Single tee with door 12.59.3.3 Single tee with door 12.59.3.4 Single tee with door 12.59.3.5 Single tee without door 12.59.4.5 Type Synthy mm (ach 155.05 ach 12.59.3.2 110x110x110 mm (ach 289.90 ach 12.59.4.2 110x110x110 mm (ach 289.90 ach 12.59.4.2 110x110x110 mm (ach 289.90 ach 12.59.4.2 110x110x110 mm (ach 289.50 ach 12.59.4.2 110x10x110 mm (ach 289.50 ach 12.59.6.2 110 mm bend (ach 12.59.6.1 75 mm shoe (ach 12.59.6.2 110 mm shoe (ach 12.59.6.2 110 mm shoe (ach 12.60.1 75 mm (ach 12.60.2 110 m	ļ į	1		
conforming to 1S: 5382 leaving 10 mm gap for thermal expansion. 12:591. Coupler 12:59.1.1 75 mm each 134.10 each 179.00 12:59.2 Single push fit coupler 12:59.2.1 75 mm each 18.80 12:59.2.1 100 mm each 18.80 12:59.2.2 110 mm each 18.80 12:59.3 Single tee with door 12:59.3.1 75x75x75 mm each 289.90 12:59.3.2 110x110x110 mm each 289.90 12:59.4.1 75x75x75 mm each 255.10 e	1 1		1	
12.59.1. Coupler 12.59.1.1 75 mm 12.59.2. Single push fit coupler 12.59.3. Single tee with door 12.59.3.1 75x75x75 mm 12.59.3. Single tee without door 12.59.3.1 10x110x110 mm 12.59.3. Single tee without door 12.59.4.1 10x110x110 mm 12.59.4.2 110x110x110 mm 12.59.4.2 110x110x110 mm 12.59.5. Bend 87.5° 12.59.5.1 75 mm bend 12.59.5.2 110 mm bend 12.59.6.3 175 mm shoe 12.59.6.2 110 mm shoe 12.59.6.1 15 mm shoe 12.59.6.2 110 mm shoe 12.59.6.2 175 mm shoe 12.59.6.2 100 mm shoe 12.50.6.2 100 mm sh	i	1		
12.59.1.1 75 mm 12.59.2.2 I10 mm 12.59.2.2 Single push fit coupler 12.59.2.2 110 mm 12.59.2.2 110 mm 12.59.2.3 Single tee with door 12.59.3.3 Single tee with door 12.59.3.1 75x75x75 mm 12.59.3.2 110x110x110 mm 12.59.4 Single tee without door 12.59.4.1 75x75x75 mm 12.59.4.2 110x110x110 mm 12.59.4.2 110x110x110 mm 12.59.5.2 110 mm each 12.59.5.1 75 mm bend 12.59.5.1 75 mm bend 12.59.5.2 110 mm bend 12.59.6 Shoe (plain) 12.59.6 Shoe (plain) 12.59.6 Shoe (plain) 12.59.6.2 110 mm shoe 12.59.6.2 110 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.3 ms shoe 12.60 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised -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. 12.60.1 75 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.3 ms shoe 12.60 providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.61 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 15:277 and consisting of angle cleats of size 25 mm widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the celling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with untas & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, with 25mm long drive-all screws @ 230 mm interval including fixing of gypsum board/	i		1	
12.59.1.2 110 mm cach 179.00	i	1	each	134.10
12.59.2 Single push fit coupler 12.59.2.1 75 mm	i			
12.59.2.1 75 mm 12.59.2.2 110 mm 12.59.3.3 Single tee with door 12.59.3.1 75x75x75 mm 12.59.3.2 110x110x110 mm 12.59.3.2 110x110x110 mm 12.59.4.2 175x75x75 mm 12.59.4.2 110x110x110 mm 12.59.4.2 110x110x110 mm 12.59.4.2 110x110x110 mm 12.59.5.2 10x110x110 mm 12.59.5.2 10x110x110 mm 12.59.5.2 10x110x110 mm 12.59.5.2 110x110x10 mm 12.59.5.2 110 mm bend 12.59.5.3 Bend 87.5° 12.59.5.1 75 mm shoe 12.59.6 Shoe (plain) 12.59.6 Shoe (plain) 12.59.6.1 75 mm shoe 12.59.6.2 110 mm shoe 12.59.6.2 110 mm shoe 12.59.6.2 110 mm shoe 12.59.6.2 170 mm shoe 12.50.2 110 mm shoe 12.60.2 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised -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 cmeent mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. 12.60.1 75 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.2 110 mm 27.60.2 110 mm 28.60.3 110 mm 29.70 rividing and fixing to the inlet mouth of rain water pipe cast iron grating 1.5 cm diameter and weighting not less than 440 grams. 20.70 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 gm/s/s/m (both side inclusive) as per 18:277 and consisting of angle cleats of size 25 mm widex 1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm munning at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at eve	i			
12.59.2.2 110 mm 12.59.3.1 75x75x75 mm 12.59.3.2 110x110x110 mm 12.59.4.1 75x75x75 mm 12.59.4.2 110x110x110 mm 12.59.4.2 110x110x110 mm 12.59.4.2 110x110x110 mm 12.59.5.5 Bend 87.5° 12.59.5.2 110 mm bend 12.59.5.6 Shoe (plain) 12.59.6.1 75 mm shoe 12.59.6.2 110 mm shoe 12.59.6.3 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised 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. 12.60.1 75 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.2 10 mm 15. cm diametre and weighing not less than 440 grams. 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 15:277 and consisting of angle cleats of size 25 mm widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, with 25mm long drive-all screws @ 230 mm interved including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm cer, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound,	i	Ç 1 1	each	88.60
12.59.3. Single tee with door 12.59.3.1 Single tee with door 12.59.3.2 110x110x110 mm 12.59.4.1 Single tee without door 12.59.4.2 Single tee without door 12.59.4.2 Ti0x110x110 mm 12.59.4.2 110x110x110 mm 12.59.4.2 Ti0x110x110 mm 12.59.5.5 Bend 87.5° 12.59.5.1 T3 mm bend 12.59.5.2 110 mm bend 12.59.6.5 Shoe (plain) 12.59.6.1 T3 mm shoe 12.59.6.2 Ti0 mm shoe 12.60.2 Ti0 mm shoe 12.60.2 Ti0 mm	i			
12.59.3.1 75x75x75 mm 12.59.3.2 110x110x110 mm 12.59.4 Single tee without door 12.59.4.1 75x75x75 mm 12.59.4.2 110x110x110 mm 12.59.5 Bend 87.5° 12.59.5.2 110 mm bend 12.59.6 Shoc (plain) 12.59.6.2 110 mm shoe 12.60.1 75 mm 12.60.1 175 mm 12.60.2 110 mm 13 cm diametre and weighing not less than 440 grams. 12.61 Providing and fixing the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.62 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 gm/sqm (both side inclusive) as per 18:277 and consisting of angle cleats of size 25 mm widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hanger of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter occling section and perimeter channel with the help of dry wall screws @ 230 mm interval including fixing of gypsum board/calcium silicate board to ceiting section and perimeter channel with the help of dry wall screws of size	i		Jul-11	110.00
12.59.3.2 110x110x110 mm 12.59.4.1 75x75x75 mm 12.59.4.2 110x110x110 mm 12.59.5.3 Bend 87.5° 12.59.5.1 75 mm bend 12.59.5.2 110 mm bend 12.59.6.2 110 mm bend 12.59.6.2 110 mm shoe 12.59.6.3 Shoe (plain) 12.59.6.2 110 mm shoe 12.59.6.2 110 mm shoe 12.60.2 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised -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. 12.60.1 75 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.2 110 mm 13.5 mm 14.60.2 110 mm 15.5 mm 16.60.1 75 mm 17.60.1 75 mm 18.60.1 75 mm 19.60.1 75 mm 10.60.1 75 mm 10.60.	i		each	176.45
12.59.4 Single tee without door 12.59.4.1 T5x75x75 mm 12.59.4.2 110x110x110 mm 12.59.5 Bend 87.5° 12.59.5.1 75 mm bend 12.59.6 Shoe (plain) 12.59.6. Shoe (plain) 12.59.6.2 110 mm shoe 12.59.6.2 110 mm shoe 12.59.6.2 110 mm shoe 12.59.6.2 110 mm shoe 12.59.6.1 T75 mm shoe 12.59.6.2 110 mm shoe 12.60.1 75 mm acment mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. 12.60.1 75 mm 12.60.2 110 mm 13.60.2 110 mm 14.60.2 110 mm 15.60.2 110 mm 16.60.2 110 mm 17.60.3 mm shoe 18.60.3 mm shoe 19.60.3 mm shoe 19.60.4 mm shoe 19.60.5 mm shoe 19.60.5 mm shoe 19.60.6 mm shoe 11.60.6 mm shoe 11.60.6 mm shoe 12.60.8 mm shoe 12.60.8 mm shoe 12.60.1 mm shoe 12.60.1 mm 12.60.2 mm shoe 12.60.1 mm 12.60.1 mm 12.60.2 mm shoe 12.60.1 mm 12.60.2 mm shoe 12.60.1 mm 12.60.2 mm shoe 12.60.2 mm shoe 12.60.1 mm 12.60.2 mm shoe 12.60.1 mm 12.60.1 mm 12.60.1 mm 12.60.1 mm 12.60.2 mm shoe 12.60.1 mm 12.60.2 mm shoe 12.60.1 mm 1	i			
12.59.4.1 75x75x75 mm 12.59.4.2 110x110x110 mm 12.59.5 Bend 87.5° 12.59.5.1 75 mm bend 12.59.6 Shoe (plain) 12.59.6.2 110 mm bend 12.59.6.2 110 mm shoe 12.60.1 75 mm 12.60.2 110 mm shoe 12.60.1 75 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.2 110 mm 12.60.3 mm 12.60.2 110 mm 12.60.3 mm 12.60.2 110 mm 13.60.3 mm 14.60.2 110 mm 15.cm diametre and weighing not less than 440 grams. 16.60 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 18:277 and consisting of angle cleats of size 25 mm widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of any plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of	i		Cacii	∠u9.7U
12.59.4.2 110x110x110 mm 12.59.5 Bend 87.5° 12.59.5.1 75 mm bend 12.59.5.2 110 mm bend 12.59.6.2 Shoe (plain) 12.59.6.2 110 mm shoe 12.600 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised - 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. 12.60.1 75 mm 12.60.2 110 mm 12.60.2 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.61 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 15:277 and consisting of angle cleats of size 25 mm widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of dry wall screws 6 230 mm interval including fixing of gypsum board/calcium silicate board to cei	i		each	155.05
12.59.5 Bend 87.5° 12.59.5.1 75 mm bend 12.59.6.2 110 mm shoe 12.60.1 75 mm 12.60.1 75 mm 12.60.2 110 mm 13.60.2 110 mm 14.60.2 110 mm 15.60.2 110 mm 16.60.2 100 mm shing good the wall etc. complete. 17.60.1 100 mm 18.60.2 110 mm 19.60.2 110 mm 19.60.2 110 mm 19.60.2 110 mm 10.60.2 110 mm	i			
12.59.5.1 75 mm bend 12.59.6. Shoe (plain) 12.59.6.2 110 mm shoe 12.600 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised - 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. 12.60.1 75 mm 12.60.2 110 mm 12.61 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.62 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 widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and s	i		Cacil	الادك.1U
12.59.5.2 110 mm bend 12.59.6. Shoe (plain) 12.59.6.2 110 mm shoe 12.59.6.2 110 mm shoe 12.59.6.2 110 mm shoe 12.60 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised - 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. 12.60.1 75 mm 12.60.2 110 mm Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 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 widex 1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a	i		occh	114.05
12.59.6 Shoe (plain) 12.59.6.2 175 mm shoe 12.59.6.2 110 mm shoe 12.50.6.2 175 mm shoe 12.60.1 75 mm 12.60.1 75 mm 12.60.2 110 mm 13.5 md inarter and weighing not less than 440 grams. 14.60 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 15.60 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 1S:277 and consisting of angle cleats of size 25 mm widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing co	i			
12.59.6.1 75 mm shoe 12.59.6.2 110 mm shoe 12.60 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised -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. 12.60.1 75 mm 12.60.2 110 mm each 15.60.2 110 mm each 15.60.2 110 mm each 15.60.2 110 mm each 16.875 16.875 17.60 17.60 18.85 18.85 19.80	i		eacn	183.05
12.60 Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised - 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. 12.60.1 75 mm 12.60.2 110 mm 12.61 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams. 12.62 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 18:277 and consisting of angle cleats of size 25 mm widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of any plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm /c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound	i	vi /		110.40
Providing and fixing un-plasticised -PVC pipe clips of approved design to un-plasticised - 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. 12.60.1 75 mm 12.60.2 110 mm 15 cm diametre and weighing not less than 440 grams. 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 widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i			
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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 widex1.6mm thick with flanges of 27mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x40mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.5mm of required length with nuts & bolts of required size and other end of angle hanger fixed with G.I. channels 45x15x0.9 mm running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	12.61			
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running at the spacing of 1200 centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i			
mm each having clips of 10.5 mm at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
connecting clips made out of 2.64mm diaX230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
wall/partition with the help of rawl plugs at 450 mm centre to centre, with 25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i			
25mm long drive-all screws @ 230 mm interval ,including fixing of gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
gypsum board/calcium silicate board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
channel with the help of dry wall screws of size 3.5x25mm at 230mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
including jointing and finishing to a flush finish of tapered and square edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
edges of the gypsum board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
jointing tapes, finishing with jointing compound in 3 layers covering upto	i		1	
	i		1	
150mm on both sides of joint and two coats of primer suitable for board,	i		1	
		130IIIIII on both sides of joint and two coats of primer suitable for board,		

0055	12.0 (Rooting)	T IN ITEM	D + rr
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	all as per manufacturers' 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 drawing and		
	specification and direction of the Engineer-in-Charge but excluding the		
	cost of painting with:		
	12.62.1 12.5 mm thick tapered edge gypsum plain board conforming to		
	IS: 2095-Part 1 : 2011 (Board with BIS certification marks)	sqm	1350.65
	12.62.2 12.5 mm thick tapered edge gypsum fire resistant board	~ 1	
	conforming to IS: 2095- Part-I: 2011 (Board with BIS certification marks)	sqm	1420.90
	12.62.3 12.5 mm thick tapered edge gypsum moisture resistant board	sqm	1447.60
	12.62.4 Fully Perforated Gypsum Plaster Board of size 1200 x 2400x12.5	Sqiii	1117.00
	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	sam	1807.20
		sqm	1007.20
	12.62.5 8 mm thick Calcium Silicate Board made with Calcareous and		
	Siliceous materials reinforced with cellulose fiber manufactured through	sam	1428.85
12.63	autoclaving process.	sqm	1420.63
12.03	Providing and fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermonlectic) grating square (Slit) 150 mm square with a		
	Engineering Thermoplastic) grating square (Slit) 150 mm square with a	anch	111 60
12.64	height of 8 mm and weighing not less than 100 gms.	each	111.60
12.64	Providing and fixing tiled False Ceiling of specified materials of size		
	595x595mm in true horizontal level suspended on inter locking metal grid		
	of hot dipped galvanized steel sections (galvanized @ 120 gms/sqm both		
	side inclusive) consisting of main "T" runner with suitably spaced joints		
	to get required length and of size 24x38mm made from 0.30mm thick		
	(minimum) sheet spaced at 1200 mm center to center and cross "T" of size		
	24x25 mm made of 0.30mm thick (minimum) sheet, 1200mm long spaced		
	between main "T" at 600mm center to center to form a grid of 1200 x		
	600mm and secondary cross "T" of length 600mm and size 24x25 mm		
	made of 0.30mm thick (minimum) sheet to be interlocked at middle of the		
	1200x600mm panel to form grids of 600x600mm and wall angle of size		
	24x24x0.30mm and laying false ceiling tiles of approved texture in the		
	grid including, wherever, 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		
	27x37x25x1.6mm fixed to ceiling with 12.5mm dia and 50mm long dash		
	fasteners, 4mm GI adjustable rods with galvanized butterfly level clips of		
	size 85x30x0.8 mm spaced at 1200mm center to center along size		
	85x30x0.8 mm spaced at 1200mm center to center along main T, bottom		
	exposed width of 24mm 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. (The rate is excluding the cost of		
	tiles which will be paid for separately).		
	12.64.1 GI Metal Ceiling Lay in plain Tegular edge Global white		
	colour 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		15.60.50
	(minimum), including factory painted after bending.	sqm	1760.50
	12.64.2 GI Metal Ceiling Lay in perforated Tegular edge global white		
	colour 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		

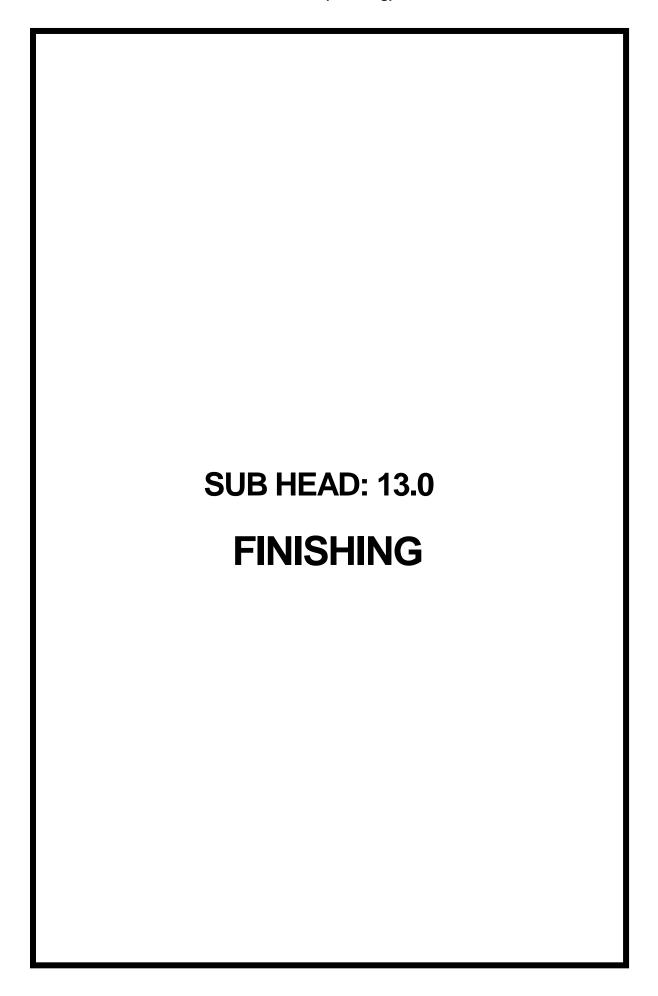
~~-	DEG CONTROLL		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	and perforation, and backed with a black Glass fiber acoustical fleece. 12.64.3 12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard manufactured from natural gypsum as per IS 2095 part-I and laminated 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	sqm	2026.00
	metalized polyester film so as to make the tile a completely sealed unit. 12.64.4 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fiber 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 48mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction	sqm	2006.35
	Coefficient) of 0.79, with 50 mm resin bonded glass wool backing. 12.64.5 8 mm thick fully perforated Calcium Silicate Board made with Calcareous and Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with minimum compressive strength 225 kg/cm², bending strength 100 kg/cm², of size 595x595 mm, having perforation of dia. 10mm with minimum perforated area 18% with non-woven tissue on the back side, having an NRC (Noise Reduction Certificate) of 0.85, with 50	sqm	1303.90
	mm thick rock wool of 48 kg/cum backing.	sqm	1964.20
12.65	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 galvanized steel sections (galvanizing @ 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 Perimetre wall angle pre-coated steel 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 calcium silicate ceiling tiles of approved texture (Spin tone / Cosmos/hexa) 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 galvanized 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 T-sections shall be prepainted with polyester baked paint, for all heights, as per specifications, drawings and as directed by engineer-in-charge. Note: - Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tile sha	sqm	1767.00

DESCRIPTION UNIT RATE	~~-	12.0 (Roofing)		
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 per painted steel along the perimeter of the room with help of nylon sleeves and wooden screws an 300 mm center to centre, suspension the carrier of size 10x38x10 mm made of GI 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 e/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 connectors have to be used. All sections to be galvanized de 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring 'T' with 12.66.1 GI Metal Ceiling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of GI 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. 12.66.2 GI Metal Ceiling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, 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 of 0.5. electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation. 12.67 Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300mm x 20 mm) with SRI (solar refractive index) > 78, solar reflections 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	CODE	DESCRIPTION	UNIT	RATE
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 G1 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 o'c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of G1 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 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 12.66.1 GI Metal Ceiling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G1 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 and perforation. 12.66.2 GI Metal Ceiling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G1 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. 12.67 12.67 12.67 12.67 12.67 12.68 12.69 12.70 12.60 12.69 12.69 12.69 12.70 12.60 12.69 12.70 12.60 12				₹
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 G1 steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x16 mm, rawl plugs of size 38x12 mm and C carrier uspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Teb along the having height of 24 mm and width of 34 mm made of G1 steel 0.45 mm thick is then fixed to the main C carrier and infriction 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 12.66.1 G1 Metal Ciling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G1 sheet having galvanizing of 100gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending. 12.66.2 G1 Metal Celling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G1 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. 12.67 12.68 12.69 12.60	12.66	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm		
of the room with help of nyton sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.1 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 e/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 12.66.1 GI Metal Celling Clip in plain Beveled edge global white colour 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. 12.66.2 GI Metal Ceiling Clip in plain Beveled edge global white colour 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. 12.67 Providing and fixing Hear Resistant Terrace Tiles (300 mm x 300mm 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		module which includes providing and fixing 'C' wall angle of size		
of the room with help of nyton sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.1 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 e/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 12.66.1 GI Metal Celling Clip in plain Beveled edge global white colour 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. 12.66.2 GI Metal Ceiling Clip in plain Beveled edge global white colour 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. 12.67 Providing and fixing Hear Resistant Terrace Tiles (300 mm x 300mm 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		20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter		
center to centre, suspending the main C carrier of size 10x38x10 mm made of G.1 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 and 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/sgm (both side inclusive), lixing with clip in tiles into spring 'T' with 12.66.1 GI Metal Celling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/sgm (both sides inclusive) and electro statically polyseter powder coated of thickness 60 microns (minimum), including factory painted after bending. 12.66.2 GI Metal Celling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/sgm (both sides inclusive) and electro statically polyseter powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation. 12.67 Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300mm 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, including providing skirting upto 150 mm height along the parapet walls in the same manner. 12.68 Providing and laying roof insulation with 40 mm thick impervious sprayed, closed cell free Rigid Polyurethane foam over deck insulation conforming to 1S - 12432 Pt. III (density of feam being 40.45 kg/cum), over a coat of polyurethane primer applied @ 6-8 sqm per liter, laying 400 G				
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/sam (both side inclusive), fixing with clip in tiles into spring "T with 12.66.1 GI Metal Ceiling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending. 12.66.2 GI Metal Ceiling Clip in plain Beveled edge global white colour 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. 12.67 Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300mm 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 sum 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. 12.68 12.69 12.69 12.69 12.60 12.69 12.12 12.60 12.70 12.60 12.60 12.60 12.60 13.70 14.81 15.81 16.81 16.				
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complete, including providing skirting upto 150 mm height along the parapet walls in the same manner. 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 liter, 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. Providing and fixing plained eaves boarding. 12.69.1 2nd class Deodar wood 12.69.1.2 300x40 mm (nominal size) 12.69.2 2nd class kail wood 12.69.2.1 250x32 mm (nominal size) 12.69.2.2 300x40 mm (nominal size) 12.69.2.3 300x40 mm (nominal size) 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		sand) and grouting the joints with mix of white cement & marble powder		
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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 liter, 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. 12.69 Providing and fixing plained eaves boarding. 12.69.1 2nd class Deodar wood 12.69.1.1 250x32 mm (nominal size) metre 999.05 12.69.2 2nd class kail wood 12.69.2.1 250x32 mm (nominal size) metre 1453.50 12.69.2.2 300x40 mm (nominal size) metre 702.55 12.69.2.2 300x40 mm (nominal size) metre 1007.50 12.70 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		complete, including providing skirting upto 150 mm height along the		
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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		` '		
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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	120,70			
VOC less than 10 cc/gm. The coating thickness and the methodology of				
application shall strictly as per manufacturer's specifications and as				
		application snall strictly as per manufacturer's specifications and as		

12.0 (Roofing)

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	approved by engineer In charge. Surface preparation includes cleaning		
	with metal wire brush to remove all dust, fungus etc., and 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.	sqm	280.75
12.71	Providing and fixing of KHATAM BANDI ceiling of first class budloo/fir		
	wood excluding the cost of frame work which is to be paid separately.		
	12.71.1 Changez Khani	sqm	4534.25
	12.71.2 Chaar Gul	sqm	5064.10
	12.71.3 Chaar Phool	sqm	4156.95
	12.71.4 Pahal Gardan	sqm	3779.65
	12.71.5 Dawaz-dal-i-girde	sqm	3854.60
	12.71.6 Paanch Murabah	sqm	3550.90

12.0 (Roofing)



	 Rates for external plaster are for height upto 10m fror otherwise stated. 	n groun	d level
CODE	DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	01111	₹
110.	CEMENT PLASTER (IN FINE SAND)		•
13.1	12mm Cement plaster of mix:		
13.1	13.1.1 1 : 4 (1 cement : 4 fine sand)	sqm	283.80
	13.1.2 1 : 6 (1 cement : 6 fine sand)	_	266.20
13.2	15.11.2 1 . 0 (1 centent . 0 time said) 15mm Cement plaster on the rough side of single or half brick wall of	sqm	200.20
13.2	mix:		
	13.2.1 1 : 4 (1 cement : 4 fine sand)	cam	327.85
	13.2.2 1 : 6 (1 cement : 6 fine sand)	sqm	306.85
13.3	20mm Cement plaster of mix:	sqm	300.63
13.3			200.05
	,	sqm	390.05
12.4	13.3.2 1 : 6 (1 cement : 6 fine sand)	sqm	362.65
13.4	CEMENT PLASTER (IN COARSE SAND)		
	12mm Cement plaster of mix:		
	13.4.1 1 : 4 (1 cement : 4 coarse sand)	sqm	283.80
	13.4.2 1 : 6 (1 cement : 6 coarse sand)	sqm	266.20
13.5	15mm Cement plaster on the rough side of single or half brick wall of		
	mix:		
	13.5.1 1 : 4 (1 cement : 4 coarse sand)	sqm	327.85
	13.5.2 1 : 6 (1 cement : 6 coarse sand)	sqm	306.85
13.6	20mm Cement plaster of mix:		
	13.6.1 1 : 4 (1 cement : 4 coarse sand)	sqm	390.05
	13.6.2 1 : 6 (1 cement : 6 coarse sand)	sqm	362.65
	CEMENT PLASTER WITH A FLOATING COAT OF NEAT		
	CEMENT		
13.7	12mm Cement plaster finished with a floating coat of neat cement of mix:		
	13.7.1 1:3 (1 cement: 3 fine sand)	sqm	370.75
	13.7.2 1 : 4 (1 cement : 4 fine sand)	sqm	353.10
13.8	15mm cement plaster on the rough side of single or half brick wall		
	finished with a floating coat of neat cement of mix:		
	13.8.1 1 : 3 (1 cement : 3 fine sand)	sqm	418.20
	13.8.2 1 : 4 (1 cement : 4 fine sand)	sqm	397.20
13.9	20mm cement plaster finished with a floating coat of neat cement of mix:		
	13.9.1 1:3 (1 cement: 3 fine sand)	sqm	486.80
	13.9.2 1 : 4 (1 cement : 4 fine sand)	sqm	459.40
13.10	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating	1	
	coat of neat cement		
	13.10.1 12 mm cement plaster	sqm	370.75
	13.10.2 20 mm cement plaster	sqm	486.80
13.11	15mm Cement plaster 1 : 3 (1 cement : 3 coarse sand) finished with a	1	
	floating coat of neat cement on the rough side of single or half brick wall	sqm	418.20
	CEMENT PLASTER IN TWO COATS	~ 1	1.00.00
13.12	18mm Cement plaster in two coats under layer 12mm thick cement		
10.12	plaster 1 : 5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick		
	cement plaster 1 : 6 (1 cement : 6 fine sand)	sqm	411.05
13.13	18mm Cement plaster in two coats under layer 12mm thick cement plaster	oqm	111.03
13.13	1 : 5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick		
		sam	120 65
10 14	cement plaster 1 : 3 (1 cement : 3 coarse sand) finished rough with sponge	sqm	428.65
13.14	12mm Cement plaster 1:2 (1 cement: 2 Stone dust)	sqm	322.70
13.15	15mm Cement plaster 1 : 2 (1 cement : 2 Stone dust) on the rough side of		
	single or half brick wall	sqm	374.30
13.16	20mm Cement plaster 1 : 2 (1 cement : 2 Stone dust)	sqm	450.55

	13.0 (Finishing)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	6MM CEMENT PLASTER		
13.17	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm	241.25
13.18	6 mm cement plaster 1 : 3 (1 cement : 3 fine sand) finished with a floating		
	coat of neat cement and thick coat of Lime wash on top of walls when dry		
	for bearing of R.C.C. slabs and beams	sqm	NA
13.19	Neat cement punning	sqm	71.20
13.20	CEMENT LIME PLASTER		
	12mm cement lime plaster of mix:		
	13.20.1 1 : 1 : 6 (1 cement : 1 lime putty : 6 fine sand)	sqm	284.00
12.01	13.20.2 1 : 2 : 9 DELETED		
13.21	15mm cement lime plaster on rough side of single or half brick wall of		220.00
	mix1:1:6 (1 cement: 1 lime putty: 6 fine sand)	sqm	328.00
12.22	DOLICH CACE DI ACEDD		
13.22	ROUGH CAST PLASTER		
	Rough cast plaster upto 10 m height above ground level with a mixture of		
	sand and gravel or crushed stone from 6 mm to 10 mm nominal size, dashed over and including the fresh plaster in two layers, under layer 12		
	mm cement plaster 1:4 (1 cement: 4 coarse sand) and top layer 10 mm		
	cement plaster 1:3 (1 cement: 3 fine sand) mixed with 10% finely		
	grounded hydrated lime by volume of cement.		
	13.22.1 Ordinary cement finish using ordinary cement	sqm	712.95
13.23	PEBBLE DASH PLASTER	Sqiii	712.93
13.23	Pebble dash plaster upto 10m height above ground level with a mixture of		
	washed pebble or crushed stone 6mm to 12.5mm nominal size dashed over		
	and including fresh plaster in two layers, under layer 12mm cement plaster		
	1:4 (1 cement: 4 Coarse sand) and top layer 10mm cement plaster with		
	cement mortar 1:3 (1 cement: 3 fine sand) mixed with 10% finely		
	grounded hydrated lime by volume of cement.	sqm	669.00
13.24	Providing and mixing water proofing material in cement plaster work in	-	
	proportion recommended by the manufacturers:	kg	67.00
13.25	Extra for plastering exterior walls of the height more than 10m from		
	ground level for every additional height of 3m or part thereof.	sqm	71.55
13.26	Extra for plastering on circular work not exceeding 6m in radius:		
	13.26.1 In one coat	sqm	37.80
	13.26.2 In two coats	sqm	57.60
13.27	Extra for plastering done on moulding cornices or architraves including		
	neat finish to line and level :		
	13.27.1 In one coat	sqm	556.40
	13.27.2 In two coats	sqm	917.10
13.28	Extra for plastering		
	13.28.1 Spherical Ceiling	sqm	141.00
	13.28.2 Groined ceiling	sqm	153.00
10.55	13.28.3 Flewing Soffits	sqm	93.00
13.29	Providing and applying Plaster of Paris putty of 2mm thickness over		222.55
12.20	plastered surface to prepare the surface even and smooth complete	sqm	233.55
13.30	ARTIFICIAL STONE PLASTER Enter for living out plaster to insists stone or concrete blocks welling	agree	90.10
	Extra for lining out plaster to imitate stone or concrete blocks walling	sqm	89.10
12 21	10mm thick outificial and otans also tan consisting of 10mm and 1		
13.31	18mm thick artificial red stone plaster consisting of 12mm under coat of		
	cement plaster 1: 4 (1 cement: 4 coarse sand) with 6mm thick finishing		
	coat of cement mortar 1: 1: 3 (1 cement : 1 marble dust : 3 stone dust)	aam	604 60
1	mixed with red oxide to match the shade of red stone	sqm	694.60

	13.0 (Finishing)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	TERRAZO PLASTER		
13.32	18mm plastering with terrazzo finish rubbed and polished complete, under		
	layer 12mm thick cement plaster 1 :3 (1 cement : 3 coarse sand) and top		
	layer 6mm thick white, black, chocolate, grey, yellow or Baroda green		
	marble chips of 3mm and down size laid in cement marble powder mix 3:		
	1 (3 cement : 1 marble powder) by weight in proportion 4 : 7 (4 cement		1.450.00
10.00	marble powder mix : 7 marble chips) by volume	sqm	1459.20
13.33	Extra if white cement is used instead of ordinary cement in top layer of 18		41.00
12.24	mm thick plastering with terrazzo finish	sqm	41.80
13.34	Extra if color is added to grey or white cement in top layer of 18 mm thick		
	plastering with terrazzo finish:		01.20
	13.34.1 Red, Chocolate, Orange or Buff (yellow) colour	sqm	91.30
	13.34.2 Black Colour	sqm	69.45
12.25	13.34.3 Blue or Green Colour	sqm	71.25
13.35	Extra for 18mm thick terrazzo finish marble chips plaster in circular work		02.00
	not exceeding 6 meter radius	sqm	93.00
12.26	PLAIN CEMENT MORTAR BANDS		
13.36	12 mm thick plain cement mortar bands in cement mortar 1 : 4 (1 cement :		
	4 fine sand) 13.36.1 Flush Band	cm/meter	6.00
	13.36.2 sunk Band	cm/meter	6.55
	13.36.3 Raised Band 13.36.4 Moulded band	cm/meter	7.45 12.75
13.37		cm/meter	12.73
13.37	18mm thick plain cement mortar band in cement mortar 1 : 4 (1 cement : 4 fine sand)		
	13.37.1 Flush Band	cm/meter	7.30
	13.37.2 sunk Band	cm/meter	8.05
	13.37.2 Suitk Band 13.37.3 Raised Band	cm/meter	9.15
	13.37.4 Moulded band	cm/meter	17.05
13.38	18 mm thick moulded cement mortar band in two coats under layer 12 mm	CIII/ IIICCI	17.03
10.00	thick with cement mortar 1: 5 (1 cement: 5 coarse sand) top layer 6mm	cm per	
	thick with cement mortar 1 : 4 (1 cement : 4 fine sand)	meter	16.95
13.39	POINTING ON BRICK WORK		
	Pointing on brick work or brick flooring with cement mortar 1:3		
	(1 cement : 3 fine sand)		
	13.39.1 Flush/Ruled/Struck or weathered Pointing	sqm	200.80
	13.39.2 Raised and cut Pointing	sqm	329.15
13.40	Pointing on brick work or brick flooring with cement mortar 1:4	-	
	(1 cement : 4 fine sand)		
	13.40.1 Flush/Ruled/Struck or weathered Pointing	sqm	191.70
	POINTING ON TILE BRICK WORK		
13.41	Pointing on tile brick work with cement mortar 1:3 (1 cement: 3 fine		
	sand)		
	13.41.1 Flush/Ruled/Struck or weathered Pointing	sqm	273.60
	POINTING ON STONE WORK		
13.42	Pointing on stone work with cement mortar 1 : 3 (1 cement : 3 fine sand)		
	13.42.1 Flush/Ruled Pointing	sqm	297.00
	13.42.2 Raised and cut pointing	sqm	541.70
13.43	Raised and cut pointing on stone work in white cement mortar 1:3 (1		
	white cement : 3 marble dust)	sqm	563.95
13.44	Pointing on stone slab ceiling with cement mortar 1 : 2 (1 cement : 2 fine		
	sand)		
	13.44.1 Flush/Ruled Pointing	sqm	166.40

CODE	DESCRIPTION TO:U (FIIIISHING)	TIMITE	DATE
	DESCRIPTION	UNIT	RATE
NO.	Entre for relation on malls on the contributed 1.11.		₹
13.45	Extra for pointing on walls on the outside at height more than 10m from		0.05
	ground level for every additional height of 3 m or part thereof.	sqm	8.95
	INTERIOR FINISHING		
13.46	White washing with lime to give an even shade on New Work (three or		
	more coats)	sqm	29.95
13.47	Satna lime wash on walls with one coat	sqm	NA
13.48	Colour washing such as green blue or buff to give an even shade		
	13.48.1 New work (two or more coats) with a basecoat of white		
	washing with lime.	sqm	38.60
	13.48.2 New work (two or more coats) with basecoat of whiting	sqm	38.05
13.49	Distempering with dry distemper of approved brand and manufacture (two	~ 1	
13.47	or more coats) and of required shade on new work, over and including		
	water thinnable priming coat to give an even shade	cam	127.95
12.50		sqm	127.93
13.50	Distempering with oil bound washable distemper of approved brand and		
	manufacture to give an even shade on New work (two or more coats) over		164.60
	and including priming coat with water thinnable cement primer	sqm	164.60
13.51	Distempering with 1st quality acrylic distemper (ready mixed)having		
	VOC content less than 50 gms/litre, two or more coats on new work of		
	approved manufacturer, of required shade and colour complete as per		
	manufacturer's specifications	sqm	89.90
13.52	Applying one coat of water thinnable cement primer of approved brand		
	and manufacture on wall surface.	sqm	66.85
	EXTERIOR FINISHING		
13.53	Finishing walls with water proofing cement paint of required shade on		
	New work (two or more coats applied @ 3.84 kg/10sqm)	sqm	98.75
13.54	Finishing walls with textured exterior paint of required shade on New	1	
	work (two or more coats applied @ 3.28 liter/10sqm) over and including		
	base coat of exterior primer applied @ 2.20kg/10sqm	sqm	268.45
13.55	Finishing walls with acrylic smooth exterior paint of required shade on	sqm	200.15
13.33	New work (Two or more coats applied @ 1.67 liter/10sqm over and		
	including priming coat of exterior primer applied @ 2.20kg/10sqm)	cam	185.20
12.56		sqm	165.20
13.56	Finishing wall with premium acrylic smooth exterior paint with silicone		
	additives of required shade on New work (two or more coats applied @		
	1.43 liter/10sqm over and including priming coat of water exterior paint		150.45
	applied @ 2.20kg/10sqm)	sqm	178.45
13.57	Finishing with Deluxe multi surface paint system for interiors and		
	exteriors using primer as per manufacturers' specifications:		
	13.57.1 Two or more coats applied @ 1.25 liter/10sqm over and		
	including one coat of special primer applied @ 0.75liter /10sqm	sqm	162.80
	Painting wood work with deluxe multi surface paint of		
	required shade. Two or more coats applied @ 0.90litre/10sqm over an		
	under coat of primer applied @ 0.75litre/10sqm of approved brand and		
	manufacture	sqm	147.05
	13.57.3 Painting steel work with deluxe multi surface paint of		
	required shade to give an even shade. Two or more coats applied @		
	0.90litre/10sqm over an under coat of primer applied @ 0.80litre/10sqm of		
	approved brand and manufacture	sqm	142.05
13.58	Applying priming coat:	- 1 ·-	
10.00	13.58.1 With ready mixed pink or grey primer of approved brand		
	and manufacture on wood work (hard and soft wood)	sqm	64.60
	13.58.2 With ready mixed aluminum primer of approved brand	sqiii	04.00
	, 1 11	sam	61.40
	and manufacture on resinous wood and ply wood	sqm	61.40
	13.58.3 With ready mixed red oxide Zinc Chromate primer of		

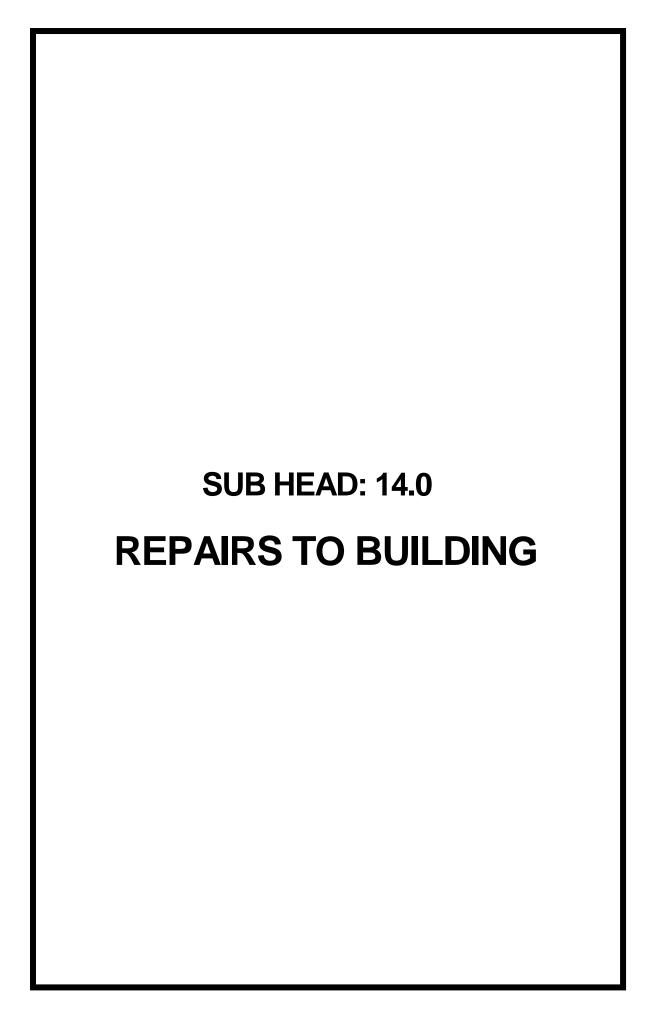
Approved brand and manufacture on steel galvanized iron/steel works 13.58.4 With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works 13.58.4 With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on wet or patchy portion of plastered surfaces:		13.0 (Finishing)	1	1
approved brand and manufacture on steel galvanized iron/steel works 13.58.4 With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (scond coat) Painting with silicon and acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces: 13.59.1 One coat 13.59.2 Two coats 13.60.1 One tool 13.60.2 Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc complete 13.60.1 On steel work 13.60.2 On concrete work 13.60.2 On concrete work 13.60.1 Painting on G.S sheets with synthetic enamel paint of approved band and manufacture of required colour to give an even shade on New work (two or more coats) including a coat of mordant solution. 3.62 Applying a coat of mordant solution on G.S. sheets: 13.62.1 With a solution of 38gms of copper acetate in liter of soft water 13.62.2 With a solution made of 13gms of hydrochloric acid in a solution of 13gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a liter of soft water. 3.63 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work. 3.63.1 75 mm diameter pipe 13.63.3 150 mm diameter pipe 13.64.2 100 mm diameter pipe 13.64.2 100 mm diameter pipe 13.65.1 100 mm diameter pipe 13.65.1 100 mm diameter pipe 13.65.2 150 mm diameter pipe 13.65.2 150 mm diameter pipe 13.65.2 150 mm diameter pipe 13.66.3 150 mm diameter pipe 13.66.3 150 mm diameter pipe 13.66.3 150 mm diameter pipe 13.65.1 100 mm diameter pipe 13.66.3 150 mm diameter pipe 13.66.3 150 mm diameter pipe 13.66.3 150 mm diameter pipe 13.66.3 160 mm diameter pipe 13.66.3 170 mm diameter pipe		DESCRIPTION	UNIT	RATE
13.58.4 With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat) 13.59 Painting with silicon and acrylic emulsion based water thinnable scaler of approved brand and manufacture on wet or patchy portion of plastered surfaces: 13.59.1 One coat 13.59.2 Two coats 13.59.2 Two coats 13.60.1 On steel work 13.60.1 On steel work 13.60.2 On concrete work 13.60.2 With a solution of Sigms of copper acetate in liter of soft water 13.60.2 With a solution of Sigms of copper acetate in liter of soft water 13.60.2 With a solution made of 13gms of hydrochloric acid in a solution of 13gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a liter of soft water. 13.63 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work. 13.63.1 75 mm diameter pipe 13.64.1 75 mm diameter pipe 13.64.2 100 mm diameter pipe 13.64.3 150 mm diameter pipe 13.64.3 150 mm diameter pipe 13.65.1 100 mm diameter pipe 13.65.2 150 mm diameter pipe 13.65.2 150 mm diameter pipe 13.65.2 150 mm diameter pipe 13.65.3 150 mm diameter pipe 13.65.4 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture over a priming coat of ready mixed zinc chromate yellow primer on new work. 13.66.1 100 mm diameter pipe 13.66.2 150 mm diameter pipe 13.66.2 150 mm diameter pipe 13.6	NO.			_
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Painting with silicon and acrylic emulsion based water thinnable scaler of approved brand and manufacture on wet or patchy portion of plastered surfaces: 13.59.1		•		
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surfaces: 13.59.1 One coat 13.59.2 Two coats 13.60 Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc complete 13.60.1 On steel work 13.60.2 On concrete work 13.60.1 Painting on G.S sheets with synthetic enamel paint of approved band and manufacture of required colour to give an even shade on New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution on G.S. sheets: 13.62.1 With a solution of 38gms of copper acetate in liter of soft water 13.62.2 With a solution made of 13gms of hydrochloric acid in a solution of 13gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a liter of soft water. 13.63.1 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work. 13.63.2 100 mm diameter pipe 13.63.3 150 mm diameter pipe 13.64.2 100 mm diameter pipe 13.64.2 100 mm diameter pipe 13.64.3 150 mm diameter pipe 13.64.3 150 mm diameter pipe 13.65.2 150 mm di	13.59	Painting with silicon and acrylic emulsion based water thinnable sealer of		
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13.59.2 Two coats Sqm 129.05		surfaces:		
13.59.2 Two coats Sqm 129.05		13.59.1 One coat	sqm	81.20
Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc complete 13.60.1		13.59.2 Two coats	sqm	129.05
and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc complete 13.60.1 On steel work 13.60.2 On concrete work 13.60.2 On concrete work 13.60.2 No concrete work 13.60.2 No concrete work 13.62.1 With a solution on G.S. sheets: 13.62.1 With a solution of 38gms of copper acetate in liter of soft water 13.62.2 With a solution made of 13gms of hydrochloric acid in a solution of 13gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a liter of soft water. 13.63.1 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work. 13.63.1 75 mm diameter pipe 13.63.2 100 mm diameter pipe 13.64.2 100 mm diameter pipe 13.64.1 75 mm diameter pipe 13.64.2 100 mm diameter pipe 13.64.3 150 mm diameter pipe 13.64.3 150 mm diameter pipe 13.65.1 100 mm diameter pipe 13.66.2 100 mm diameter pipe 13.66.2 100 mm diameter pipe 13.66.3 150 mm diameter pipe 13.66.3 150 mm diameter pipe 13.66.3 150 mm diameter pipe 13.66.4 175 mm diameter pipe 13.67.2 150 mm diameter pipe 13.68 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with subminum paint of approved brand and manufacture over a priming coat of ready mixed zinc chromate yellow primer on new work. 13.65.1 150 mm diameter pipe 13.66.2 150 mm diameter pipe 13.67.2 150 mm diameter pipe 13.68 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of approved brand and manufacture on New work (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture on New work (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand	13.60	Finishing with Epoxy paint (two or more coats) at all locations prepared	1	
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13.60.1 On steel work 13.60.2 On concrete work 13.60.2 On concrete work 13.60.2 On concrete work 13.61 Painting on G.S sheets with synthetic enamel paint of approved band and manufacture of required colour to give an even shade on New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution. 13.62 Applying a coat of mordant solution on G.S. sheets: 13.62.1 With a solution of 38gms of copper acetate in liter of soft water 13.62.2 With a solution made of 13gms of hydrochloric acid in a solution of 13gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a liter of soft water. 13.63.1 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work. 13.63.1 75 mm diameter pipe 13.63.2 100 mm diameter pipe 13.64.2 100 mm diameter pipe 13.64.1 75 mm diameter pipe 13.64.2 100 mm diameter pipe 13.64.3 150 mm diameter pipe 13.64.3 150 mm diameter pipe 13.64.3 150 mm diameter pipe 13.65.4 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with aluminum paint of approved brand and manufacture over a priming coat of ready mixed zinc chromate yellow primer on new work. 13.65.1 100 mm diameter pipe 13.66.2 150 mm diameter pipe 13.67.1 100 mm diameter pipe 13.68. Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of approved brand and manufacture and required colour over a priming coat of approved brand and manufacture on New work (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture on New work (two or more coats) on rew work load approved brand and manufacture on New work (two or more coats on new wor				
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13.62 Applying a coat of mordant solution on G.S. sheets: 13.62.1 With a solution of 38gms of copper acetate in liter of soft water sqm 51.80 13.62.2 With a solution made of 13gms of hydrochloric acid in a solution of 13gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a liter of soft water. sqm 51.55				
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water 13.62.2 With a solution made of 13gms of hydrochloric acid in a solution of 13gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a liter of soft water. 13.63 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work. 13.63.1 75 mm diameter pipe 13.63.2 100 mm diameter pipe 13.63.3 150 mm diameter pipe 13.63.3 150 mm diameter pipe 13.64.1 75 mm diameter pipe 13.64.1 75 mm diameter pipe 13.64.2 100 mm diameter pipe 13.64.2 100 mm diameter pipe 13.64.3 150 mm diameter pipe 13.65.4 100 mm diameter pipe 13.65.1 100 mm diameter pipe 13.65.2 150 mm diameter pipe 13.65.3 150 mm diameter pipe 13.65.1 100 mm diameter pipe 13.65.2 150 mm diameter pipe 13.65.2 150 mm diameter pipe 13.65.3 150 mm diameter pipe 13.65.4 Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of approved brand and manufacture and required colour over a priming coat of approved brand and manufacture on New work (two or more coats) 13.66 Painting with oil type wood preservative of approved brand and manufacture on New work (two or more coats) 13.67 Providing and applying two coats of fire retardant paint on cleaned wood/ply surface @ 3.5sqm per liter per coat including preparation of base surface as per recommendations of manufacturer to make the surface fire retardant 13.68 Coal tarring two coats on new work using 0.16 liter and 0.12 liter coal tarper sqm in the 1st coat and 2st coat respectively 13.69 Wall Painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work 13.67 Sqm 291.65	13.62			
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13.65.2 150 mm diameter pipe meter 103.80 13.66 Painting with oil type wood preservative of approved brand and manufacture on New work (two or more coats) sqm 54.60 13.67 Providing and applying two coats of fire retardant paint on cleaned wood/ply surface @ 3.5sqm per liter per coat including preparation of base surface as per recommendations of manufacturer to make the surface fire retardant sqm 291.65 13.68 Coal tarring two coats on new work using 0.16 liter and 0.12 liter coal tar per sqm in the 1st coat and 2nd coat respectively sqm 50.45 13.69 Wall Painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work sqm 136.75 13.70 Painting with synthetic enamel paint of approved brand and manufacture		13.65.1 100 mm diameter pipe	meter	69.65
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manufacture on New work (two or more coats) 13.67 Providing and applying two coats of fire retardant paint on cleaned wood/ply surface @ 3.5sqm per liter per coat including preparation of base surface as per recommendations of manufacturer to make the surface fire retardant 13.68 Coal tarring two coats on new work using 0.16 liter and 0.12 liter coal tar per sqm in the 1st coat and 2nd coat respectively 13.69 Wall Painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work 13.60 Painting with synthetic enamel paint of approved brand and manufacture	13.66	1 1		
Providing and applying two coats of fire retardant paint on cleaned wood/ply surface @ 3.5sqm per liter per coat including preparation of base surface as per recommendations of manufacturer to make the surface fire retardant sqm 291.65 13.68 Coal tarring two coats on new work using 0.16 liter and 0.12 liter coal tar per sqm in the 1st coat and 2nd coat respectively sqm 50.45 13.69 Wall Painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work sqm 136.75 13.70 Painting with synthetic enamel paint of approved brand and manufacture			sam	54.60
wood/ply surface @ 3.5sqm per liter per coat including preparation of base surface as per recommendations of manufacturer to make the surface fire retardant sqm 291.65 13.68 Coal tarring two coats on new work using 0.16 liter and 0.12 liter coal tar per sqm in the 1st coat and 2nd coat respectively sqm 50.45 13.69 Wall Painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work sqm 136.75 13.70 Painting with synthetic enamel paint of approved brand and manufacture	13.67		1 -	
base surface as per recommendations of manufacturer to make the surface fire retardant sqm 291.65 13.68 Coal tarring two coats on new work using 0.16 liter and 0.12 liter coal tar per sqm in the 1 st coat and 2 nd coat respectively sqm 50.45 13.69 Wall Painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work sqm 136.75 13.70 Painting with synthetic enamel paint of approved brand and manufacture	20101			
fire retardant sqm 291.65 13.68 Coal tarring two coats on new work using 0.16 liter and 0.12 liter coal tar per sqm in the 1 st coat and 2 nd coat respectively sqm 50.45 13.69 Wall Painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work sqm 136.75 13.70 Painting with synthetic enamel paint of approved brand and manufacture				
13.68 Coal tarring two coats on new work using 0.16 liter and 0.12 liter coal tar per sqm in the 1 st coat and 2 nd coat respectively sqm 50.45 13.69 Wall Painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work sqm 136.75 13.70 Painting with synthetic enamel paint of approved brand and manufacture			sam	291 65
per sqm in the 1 st coat and 2 nd coat respectively sqm 50.45 13.69 Wall Painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work sqm 136.75 13.70 Painting with synthetic enamel paint of approved brand and manufacture	13.69		oqui	271.03
13.69 Wall Painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work sqm 136.75 13.70 Painting with synthetic enamel paint of approved brand and manufacture	13.08		aam	50.45
manufacture to give an even shade. Two or more coats on new work sqm 136.75 13.70 Painting with synthetic enamel paint of approved brand and manufacture	12.60		sqiii	30.43
13.70 Painting with synthetic enamel paint of approved brand and manufacture	13.69			126 75
	40.70		sqm	130.75
to give an even shade.	13.70			
		to give an even shade.		

	13.0 (Finishing)	1	
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	13.70.1 Two or more coats on new work	sqm	131.85
	13.70.2 Two or more coats on new work over an under coat of		
	suitable shade with ordinary paint of approved brand and manufacture.	sqm	194.65
13.71	Painting with aluminum paint of approved brand and manufacture to give		
	an even shade. Two or more coats on new work	sqm	125.45
13.72	Painting with acid proof paint of approved brand and manufacture of		
	required colour to give an even shade. Two or more coats on new work	sqm	134.65
13.73	Painting with black anti-corrosive bitumastic paint of approved brand and	1	
	manufacture to give an even shade on new work Two or more coats.	sqm	113.35
13.74	Floor painting with floor enamel paint of approved brand and manufacture	1	
	of required colour to give an even shade on new work Two or more coats.	sqm	149.25
13.75	Varnishing with varnish of approved brand and manufacture:	54	1.7.20
13.75	13.75.1 Two or more coats of glue sizing with copal varnish		
	over and under coat of flatting varnish.	sqm	211.90
	13.75.2 Two or more coats of glue sizing with spar varnish on	sqiii	211.90
	an under coat of flatting varnish	cam	216.60
12.76		sqm	210.00
13.76	French spirit polishing, Two or more coats on new works including a coat		200.05
	of wood filler	sqm	380.85
13.77	Polishing on wood work with ready mixed wax polish of approved brand		155.55
	and manufacture on New work	sqm	157.25
13.78	Floor polishing on masonry or concrete floors with wax polish of		
	approved brand and manufacture	sqm	76.50
13.79	Lettering with black Japan paint of approved brand and manufacture.	per letter	5.00
		per cm	
		height	
13.80	Washed stone grit plaster on exterior walls of height upto 10 m above		
	ground level in two layers, under layer 12 mm cement plaster 1:4 (1		
	cement: 4 coarse sand), furrowing the under layer with scratching tool,		
	applying cement slurry on the under layer @ 2kg of cement per m ² , top		
	layer 15mm cement plaster 1:1/2 :2 (1 cement: 1/2 coarse sand : 2 stone		
	chippings 10mm nominal size), in panels with groove all around as per		
	approved pattern including scrubbing and washing the top layer with		
	brushes and water to expose the stone chippings, complete as per		
	specification and direction of Engineer-in -charge (payment for providing		
	grooves shall be made separately).	sqm	954.55
13.81	Forming groove of uniform size in the top layer of washed stone	~- <u>1</u> *	72
10.01	gritplaster as per approved pattern using wooden battens, nailed to the		
	under layer, including removal of wooden battens, repair to the edges of		
	panels and finishing the groove complete as per specifications and		
	direction of the Engineer-in-charge:		
	13.81.1 15 mm wide and 15 mm deep groove	metre	62.80
		metre	
12.02	13.81.2 20 mm wide and 15 mm deep groove	metre	63.90
13.82	Extra for washed grit plaster on exterior walls of height more than 10m	aans	149.65
12.00	ground level for every additional height of 3m or part thereof	sqm	148.65
13.83	Extra for washed stone grit plaster on circular work not exceeding 6m in		100.00
	radius (in two coats)	sqm	108.90
13.84	Forming groove of uniform size from 12x12 mm and upto 25x15 mm in		
	the top layer of washed stone grit plastered surface as per approved		
	pattern, including providing and fixing aluminum channels of appropriate		
	size and thickness (not less than 2 mm), nailed to the under layer with rust		
	proof screws and nails and finishing the groove complete as per		
	specifications and direction of the Engineer in- Charge.	meter	98.15
13.85	Extra for using white cement in place of ordinary cement in the top layer		
	of the item of washed stone grit plaster	sqm	104.50
			l

13.86 Providing and applying 12 mm thick (average) premixed formulated one coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite perlite respectively conforming to 15: 2547(Part - 1 & II) 1976, applied on hacked / uneven background such as bare brick' block: RCC work on walls and celling at all floors and locations, finished in smooth line and level etc. complete. 19.87 Extra for addition of synthetic Polyester triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement plaster/mortar by using 125 gms. of synthetic Polyester triangular fibre of 50 Kg cement used in cement mortar as per directions of Engineer-in-Charge. 13.88 Providing and applying white cement based putty of specified thickness, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. 13.88.1 I mm thick 13.88.2 2 mm thick 13.88.2 2 mm thick 13.89.1 One coat 13.89.2 Two coats 13.99.1 One coat 13.89.2 Two coats 13.90.2 Two coats 13.90.2 Two coats 13.90.1 One coat 13.90.1 One coat 13.90.1 One coat 13.90.1 One coat 13.90.2 Two coats 13.90.3 Wall painting with premium acrylic emulsion paint of interior grack, having VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.90.1 One coat 13.90.2 Two coats 13.90.4 Two co		13.0 (Finishing)	1	
13.86 Providing and applying 12 mm thick (average) premixed formulated one coat gypsum lightweight plaster having additives and light weight aggregates as vermicultie/ perlite respectively conforming to 18: 2547(Part - 1 & II) 1976, applied on hacked / uneven background such as bare brick/block RCC work on walls and celling at all floors and locations, finished in smooth line and level etc. complete. Extra for addition of synthetic Polyester triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement plaster/mortar by using 125 gms. of synthetic Polyester triangular fibre of 50 Kg cement used in cement mortar as per directions of Engineer-in-Charge. Providing and applying white cement based putty of specified thickness, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. 13.88.1 1 mm thick 13.88.2 2 mm thick 13.89.2 Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.90.1 One coat 13.90.2 Two coats 13.91 Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.91.1 One coat 13.91.2 Two coats 13.91.2 Two coats 13.91.2 Two coats 13.92.2 Two coats 13.93.1 With ready mixed pink or grey primer on wood work (hard and santiacture, including applying additional coats wherever required to achieve even shade and colour. 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 150 grams/ liter 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.1 With ready mixed pink or grey primer on wo	CODE	DESCRIPTION	UNIT	RATE
coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite/ perlite respectively conforming to IS: 2547(Part + 1 & II) 1976, applied on hacked / uneven background such as bare brick/ block/ RCC work on walls and ceiling at all floors and locations, finished in smooth line and level etc. complete. 19.87 Extra for addition of synthetic Polyester triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement plaster/morator by using 125 gms. of synthetic Polyester triangular fibre for 50 Kg cement used in cement mortar as per directions of Engineer-in-Charge. 13.88 Providing and applying white cement based putty of specified thickness, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. 13.88.1 Imm thick sqm 138.10 sqm 181.05 13.89.2 Timm thick sqm 138.10 sqm 181.05 13.89.1 One coat sqm 23.89.2 Two coats 13.90.2 Two coats 13.90.2 Two coats 13.90.2 Two coats 13.90.1 One coat sqm 33.90.2 Two coats 13.90.2 Two coats 13.90.1 One coat sqm 33.90.2 Two coats 13.90.2 Two coats 13.91.1 One coat sqm 33.91.2 Two coats 13.92.2 Two coats 13.91.2 Two coats 13.92.3 Two coats 13.91.3 Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.92.1 One coat sqm 73.80 sqm 73.80 sqm 109.90 13.91.2 Two coats 13.92.2 Two coats 13.92.3 Two coats 13.92.3 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. less than 50 grams/ liter of approved brand and soft wood) having VOC content less than 50 grams/ liter of approved brand and soft wood) having VOC content less than 50 grams/ liter of approved brand and soft wood)				₹
block/ RCC work on walls and ceiling at all floors and locations, finished in smooth line and level etc. complete. 19.87 Extra for addition of synthetic Polyester triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement plaster/mortar by using 125 gms. of synthetic Polyester triangular fibre for 50 Kg cement used in cement mortar as per directions of Engineer-in-Charge. 13.88 Providing and applying white cement based putty of specified thickness, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. 13.88.1 1 mm thick 13.88.2 2 mm thick 13.88.2 2 mm thick 13.89.2 Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.99.1 One coat 13.90.2 Two coats 13.90.1 One coat 13.90.2 Two coats Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, baving VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.91.1 One coat 13.91.2 Two coats 13.92.1 Two coats 13.92.1 Two coats 13.92.1 Two coats 13.93.1 With synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.93.1 With synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.93.1 With ready mixed pink or grey primer on wood work (hard and s	13.86	coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite/ perlite respectively conforming to IS: 2547(Part		
Extra for addition of synthetic Polyester triangular fibre of length 6 mm, effective diameter 01-40 microns and specific gravity of 1.34 to 1.40 in cement plaster/mortar by using 125 gms. of synthetic Polyester triangular fibre for 50 Kg cement used in cement mortar as per directions of Engineer-in-Charge. 13.88		block/ RCC work on walls and ceiling at all floors and locations, finished		166.05
effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement plaster/mortar by using 125 gms. of synthetic Polyester triangular fibre for 50 Kg cement used in cement mortar as per directions of Engineer-in-Charge. 13.88 Providing and applying white cement based putty of specified thickness, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. 13.88.1 I mm thick sqm 138.10 mthick sqm 181.05 13.89 Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.89.1 One coat sqm 13.89.2 Two coats 13.90.1 One coat sqm 23.90.2 Two coats Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.90.1 One coat sqm 13.90.2 Two coats Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.91.1 One coat sqm 13.91.2 Two coats 13.92.1 One coat sqm 13.91.2 Two coats Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.92.1 One coat sqm 13.92.1 One coat sqm 13.92.2 Two coats 13.93.3 With value of the squ sqm 13.93.3 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.3 With value of the squ squ sqm 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/ liter 13.94.1	10.07		sqm	400.03
of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. 13.88.1 1 mm thick sqm 138.10 13.88.2 2 mm thick sqm 138.10 13.88.2 2 mm thick sqm 181.05 Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.89.1 One coat sqm 86.65 13.90 Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.90.1 One coat sqm 73.80 Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.91.1 One coat sqm 77.30 sqm 115.40 13.92.2 Two coats 13.92.1 Two coats 13.92.1 One coat sqm NA sqm NA 13.92.2 Two coats Applying priming coats with primer of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.92.1 One coat sqm NA sqm NA 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC (volatile Organic Compound) content. 13.93.1 With ready mixed red oxide zinc chromatic on steel / iron works having Iwo VOC (volatile Organic Compound) content less than 50 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 50 grams/ liter 13.94. Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 grams/ liter of approved brand of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over	19.87	effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement plaster/mortar by using 125 gms. of synthetic Polyester triangular fibre for 50 Kg cement used in cement mortar as per directions of	50 kg of	68.55
Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.89.1 One coat 13.89.2 Two coats 13.90.2 Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.90.1 One coat 13.90.2 Two coats 13.90.2 Two coats 13.91.1 One coat 13.91.1 One coat 13.91.2 Two coats 13.92.1 Two coats 13.92.1 Two coats 13.92.1 One coat 13.92.2 Two coats 13.92.2 Two coats 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC (Volatile Organic Compound) content. 13.93.2 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emu	13.88	of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	138.10
Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.89.2 Two coats 13.90.1 One coat 13.90.1 Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.90.1 One coat 13.90.2 Two coats 13.90.2 Two coats 13.91.2 Two coats 13.91.1 One coat 13.91.2 Two coats 13.92.1 One coat 13.92.2 Two coats 13.92.1 One coat 13.92.1 One coat 13.92.2 Two coats 13.93.2 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC (Volatile Organic Compound) content. 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/ liter 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC content less than 50 grams/ liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 grams/ liter		13.88.2 2 mm thick	sqm	181.05
13.89.2 Two coats Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.90.1 One coat 13.90.2 Two coats Sqm 73.80 109.90 13.91 Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.91.1 One coat 13.91.2 Two coats 13.92.1 Two coats Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.92.1 One coat 13.92.2 Two coats 13.92.2 Two coats Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/liter 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/liter 13.93.3 With water thinnable cement primer on paint havingVOC less than 50 grams/liter and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over	13.89	Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.		54.50
Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.90.1 One coat Sqm 73.80 Sqm 109.90				
Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.90.1 One coat 13.90.2 Two coats Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.91.1 One coat 13.91.2 Two coats Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.92.1 One coat 13.92.2 Two coats Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 grams/liter and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over	12.00		sqm	86.65
13.91 Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.91.1 One coat 13.91.2 Two coats Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.92.1 One coat 13.92.2 Two coats Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/liter Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over	13.90	Compound) content less than 50 grams/ liter, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.90.1 One coat		
having VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.91.1 One coat 13.91.2 Two coats Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.92.1 One coat 13.92.2 Two coats Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/liter 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over	12.01		sqm	109.90
Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.92.1 One coat 13.92.2 Two coats Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over	13.91	having VOC (Volatile Organic Compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.91.1 One coat	_	
Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter sqm 63.80 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter sqm 54.10 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/liter sqm 64.15 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over	13.92	Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.92.1 One coat	_	
having low VOC (Volatile Organic Compound) content. 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter 13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/liter 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over	13.93			
13.93.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/liter sqm 64.15 13.94 Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over		having low VOC (Volatile Organic Compound) content. 13.93.1 With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ liter 13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works	_	
Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over		13.93.3 With water thinnable cement primer on wall surface having	_	
157.50	13.94	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over		
		to mariana priming cour of exterior primer applied @ 0.70 hate/10 squit.	Julii Julii	157.50

r-	13.0 (Finishing)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
13.95	6 mm plaster on cement concrete or reinforced cement concretework with		
	white cement based polymer modified self curing mortar of approved		
	make as per the direction of Engineer-In-Charge.	sqm	214.90
13.96	White washing with lime to give an even shade:		
	13.96.1 Old work (two or more coats)	sqm	17.75
	13.96.2 Old work (one or more coats)	sqm	10.80
13.97	Removing white or colour wash by scrapping and sand papering and	-	
	preparing the surface smooth including necessary repairs to scratches etc.		
	complete.	sqm	14.50
13.98	Distempering with dry distemper of approved brand and manufacture (one	~ 1	1
2000	or more coats) and of required shade on old work to give an even shade.	sqm	52.95
13.99	DELETED	Sqiii	32.73
13.77	DEELTED		
12 100	Demoving day or all hound distances water proofing comput point and		
13.100	Removing dry or oil bound distemper, water proofing cement paint and		
	the like by scrapping and sand papering and preparing the surface smooth	0.000	10.70
12 101	including necessary repairs to scratches etc. complete.	sqm	18.70
13.101	Painting on G.S. sheet with synthetic enamel paint of approved brand and		
	manufacture of required colour to give an even shade on old work (one or		00.70
	more coats	sqm	80.50
13.102	Painting (one or more coats) on rain water, soil, waste and vent pipes and		
	fittings with black anticorrosive bitumastic paint of approved brand and		
	manufacture on old work:		
	13.102.1 75 mm diameter pipes	meter	22.55
	13.102.2 100 mm diameter pipes	meter	29.75
	13.102.3150 mm diameter pipes	meter	42.70
13.103	Painting (two or more coats) on rain water, soil, waste and vent pipes and		
	fittings with aluminum paint of approved brand and manufacture over a		
	priming coat of ready mixed zinc chromate yellow primer on new work :		
	13.103.1 75 mm diameter pipes	meter	24.35
	13.103.2 100 mm diameter pipes	meter	31.30
	13.103.3 150 mm diameter pipes	meter	44.90
13.104	Painting (one or more coats) on rain water, soil, waste and vent pipes and	1110101	1, 0
13,104	fittings with synthetic enamel paint of approved brand and manufacture		
	and required colour on old work:		
	13.104.1 75 mm diameter pipes	meter	24.00
	13.104.2 100 mm diameter pipes	meter	30.85
	1 1		
12 105	13.104.3 150 mm diameter pipes	meter	44.30
13.105	Painting with oil type wood preservative of approved brand and		41.00
10 10 1	manufacture on old work (one or more coats)	sqm	41.90
13.106	Wall painting with plastic emulsion paint of approved brand and		00.60
44 12-	manufacture to give an even shade, one or more coats on old work.	sqm	88.60
13.107	Painting with synthetic enamel paint of approved brand and manufacture		
	of required colour to give an even shade, one or more coats on old work.	sqm	86.75
13.108	Painting with aluminum paint of approved brand and manufacture to give		
<u></u>	an even shade, one or more coats on old work.	sqm	81.40
13.109	Painting with acid proof paint of approved brand and manufacture of		
	required colour to give an even shade, one or more coats on old work.	sqm	88.45
13.110	Painting with black anti-corrosive bitumastic paint of approved brand and		
	manufacture to give an even shade, one or more coats on old work	sqm	76.00
13.111	French spirit polishing, one or more coats on old work	sqm	191.70
	r · r · · · · · · · · · · · · · · · · ·	1 =	
13.112	Polishing on wood work with readymade wax polish of approved brand		
10.114	and manufacture on old work.	sqm	79.60
	and manufacture on old work.	oqui	17.00

	13.0 (Finishing)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
13.113	Re-lettering with black Japan paint of approved brand and manufacture.	per letter	3.20
		per cm	
		height	
13.114	Painting (one or more coats) with black Japan paint of approved brand and		
	manufacture to give an even shade.	sqm	77.70
13.115	Providing and fixing C.P. brass chain and rubber plug complete for sink or		
	wash basin:		
	13.115.1 32 mm dia.	each	120.60
	13.115.2 40 mm dia.	each	147.35
13.116	Distempering with 1st quality Acrylic/oil bound washable distemper		
	(ready-made) having VOC content less than 50 grams/litre of approved		
	manufacturer and of required shade and colour complete as per		
	manufacturers' specifications, one or more coats on old work	sqm	50.75
13.117	Finishing walls with water proofing cement paint of required shade:		
	13.117.1 Old work (one or more coats applied @ 2.20 kg/10sqm) over		
	priming coat of primer applied @ 0.80 liters/10sqm complete		
	including cost of priming coat.	sqm	94.85
	13.117.2 Old work (one or more coats applied @ 2.20 kg/10sqm)		
	complete	sqm	64.45
13.118	Finishing walls with textured exterior paint of required shade:		
	13.118.1 Old work (two or more coats on existing cement paint surface		
	applied @ 3.28 ltr/10sqm)	sqm	204.20
	13.118.2 Old work (one or more coats) applied @1.82 ltr/10sqm	sqm	120.05
13.119	Finishing walls with Acrylic smooth exterior paint of required shade:		
	13.119.1 Old work (two or more coats applied @ 1.67 liters/10sqm on		
	existing cement paint surface)	sqm	119.20
	13.119.2 Old work (one or more coats applied @ 0.90 liters/ 10sqm)	sqm	78.95
13.120	Finishing walls with premium Acrylic smooth exterior paint with silicon		
	additives of required shade:		
	13.120.1 Old work (Two or more coats applied @ 1.43 liters/ 10 sqm)		
	over existing cement paint surface.	sqm	114.15
	13.120.2 Old work (one or more coats applied @ 0.83 liters/ 10sqm)	sqm	77.30
13.121	Varnishing with varnish of approved brand and manufacture:		
	13.121.1 One or more coats with copal varnish.	sqm	84.60
	13.121.2 One or more coats with spar varnish.	sqm	87.30
13.122	Melamine polishing on wood work (one or more coats)	sqm	108.45
13.123	Varnishing with flatting varnish of approved brand and manufacture one		
	or more coats on old work	sqm	89.25



CODE	DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION		₹
14.1	Repairs to plaster of thickness 12mm to 20 mm in patches of area 2.5 sq.		
14.1	meters and under, including cutting the patch in proper shape raking out		
	joints and preparing and plastering the surface of the walls complete		
	including disposal of rubbish to the dumping ground within 50 meters lead		
	14.1.1 With cement mortar 1:4 (1 cement : 4 fine sand)	sqm	441.40
	14.1.1 With cement mortar 1.4 (1 cement : 4 fine said) 14.1.2 With cement mortar 1:4 (1 cement : 4 coarse sand)	_	441.40
14.2	`	sqm	441.40
14.2	Fixing chowkhats in existing opening including embedding chowkhats in		
	floors or walls cutting masonry for holdfasts, embedding holdfasts in		
	cement concrete blocks of size 15x10x10cm with cement concrete 1:3:6 (1		
	cement :3 coarse sand: 6 graded stone aggregate 20 mm nominal size),		
	painting two coats of approved wood preservative to sides of chowkhats		
	and making good the damages to walls and floors as required complete,		
	including disposal of rubbish to the dumping ground within 50 meters		
	lead:		
	14.2.1 Door chowkhats	each	1420.85
	14.2.2 Window chowkhats	each	882.70
	14.2.3 Clerestory window chowkhats	each	652.80
14.3	Fixing chowkhat in existing opening in brick/RCC wall with dash		
	fasteners/chemical fasteners of appropriate size (3 nos on each vertical		
	member of door chowkhats and 2 nos. on each vertical member of window		
	chowkhats), including cost of dash fasteners/chemical fasteners.	each	211.85
14.4	Making the opening for door/window/clerestory window in brick masonry		
	including dismantling in floor or walls by cutting masonry and making		
	good the damages to walls, flooring and jambs complete, to match existing		
	surface i/c disposal of mulba/ rubbish to the nearest municipal dumping		
	ground.	sqm	958.05
14.5	DELETED		
14.6	Renewing glass panes, with putty and nails wherever necessary including		
	raking out old putty:		
	14.6.1 Float glass panes of thickness 4.0 mm(weight not less than		
	10kg/sqm)	sqm	991.00
	14.6.2 Float glass panes of thickness 5.0 mm(weight not less than 12.5		
	kg/sqm)	sqm	1130.85
14.7	Renewing glass panes, with wooden fillets wherever necessary:		
	14.7.1 Float glass panes of thickness 4.0 mm (weight not less than		
	10kg/sqm)	sqm	1407.05
	14.7.2 Float glass panes of thickness 5.0 mm (weight not less than 12.5		
	kg/sqm)	sqm	1546.85
14.8	Renewing glass panes and re-fixing existing wooden fillets:		
	14.8.1 Float glass panes of thickness 4.0 mm (weight not less than		
	10kg/sqm)	sqm	1094.70
	14.8.2 Float glass panes of thickness 5.0 mm (weight not less than 12.5		
	kg/sqm)	sqm	1234.50
14.9	Supplying and fixing new wooden fillets wherever necessary:		
	14.9.1 2nd class teak wood fillets	meter	68.45
	14.9.2 Hollock wood fillets	meter	58.45
14.10	Renewal of old putty of glass panes (length)	meter	44.75
-			
14.11	Re-fixing old glass panes with putty and nails	sqm	581.70
		-	
14.12	Fixing old glass panes with wooden fillets (excluding cost of fillets)	sqm	534.40
14.13	Providing and fixing 16 mm M.S. Fan clamps of standard shape and size		
	in existing R.C.C. slab, including cutting chase, anchoring clamp to		
		l	1

CODE	DESCRIPTION	UNIT	RATE
NO.		01111	₹
1101	reinforcement bar, and cleaning, refilling the chase with matching		•
	concrete, plastering and painting the exposed portion of the clamps		
	complete.	each	473.75
14.14	Regrading terracing of mud phaska covered with tiles or bricks, in cement		
	by dismantling tiles or bricks, removing mud plaster, preparing the surface		
	of mud phaska to proper slope, relaying mud plaster gobri leaping and		
	tiles or bricks, grouted in cement mortar 1:3 (1 cement: 3 fine sand),		
	including replacing unserviceable tiles or bricks with new ones and		
	disposal of unserviceable material to the dumping ground (the cost of the		
	new tiles or brick excluded) within 50 meters lead.	sqm	545.75
14.15	Replacing sand stone slabs in roofing, laid in cement mortar 1:4 (1 cement	1	
1.1.10	: 4 coarse sand), including necessary repairs and cement pointing with		
	same mortar complete, including disposal of rubbish to dumping ground		
	within 50 meters of lead:		
	14.15.1 Red sand stone slabs 30 to 50 mm thick.	sqm	1004.15
	14.15.2 White sand stone slabs 30 to 50 mm thick.	sqm	1063.00
14.16	Renewing wooden battens in roofs, including making good the holes in	1	
	wall and painting with oil type wood preservative of approved brand and		
	manufacture complete including removal of rubbish to dumping ground all		
	complete as per directions of Engineer-in-Charge		
	14.16.1 Sal wood battens	cum	125749.50
14.17	Renewing wooden beams in roofs, including making good the holes in		
	wall and painting with oil type wood preservative of approved brand and		
	manufacture complete, including removal of rubbish to dumping ground		
	within 50 meters lead:		
	14.17.1 Not exceeding 4.00 meters in length.		
	14.17.1.1 Sal wood beams	cum	130313.35
	14.17.1.2 Hollock wood beams	cum	62346.75
	14.17.2 Above 4.00 meters and up to 5.00 meters length.		
	14.17.2.1 Sal wood beams	cum	132240.35
	14.17.2.2 Hollock wood beams	cum	64213.30
14.18	DELETED		
14.19	Raking out joints in lime or cement mortar and preparing the surface for		
	re-pointing or re-plastering, including disposal of rubbish to the dumping		
	ground within 50 meters lead.	sqm	51.45
14.20	DELETED		
14.21	Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with		
	2% of integral water proofing compound by weight of cement for flat tile		
	bricks on top of mud phaska:		
	14.21.1 With non modular brick tiles	sqm	109.15
	14.21.1 With modular brick tiles	sqm	110.60
14.22	Taking out wind ties from roof including cutting out rusted bolts, nuts etc.		
	and removing materials to any distance within compound and stacking.	kg.	4.10
14.23	Fixing of old wind ties with new fittings including painting two or more		
	coats with anticorrosive bitumastic paint of approved brand and		
	manufacture over and including priming coat of ready mixed zinc		
	chromate yellow primer of approved brand.	meter	111.35
14.24	Renewing bottom rail and / or top runner of collapsible gate including		
	making good all damages and applying priming coat of zinc chromate		
	yellow primer of approved brand and manufacturer:	kg	265.90
14.25	Renewing Wrought Iron or M.S. Wheel or roller of steel door or gate and		
	fitting and fixing the same with necessary clamps, nuts and bolts / welding		
	and erection etc. complete.		

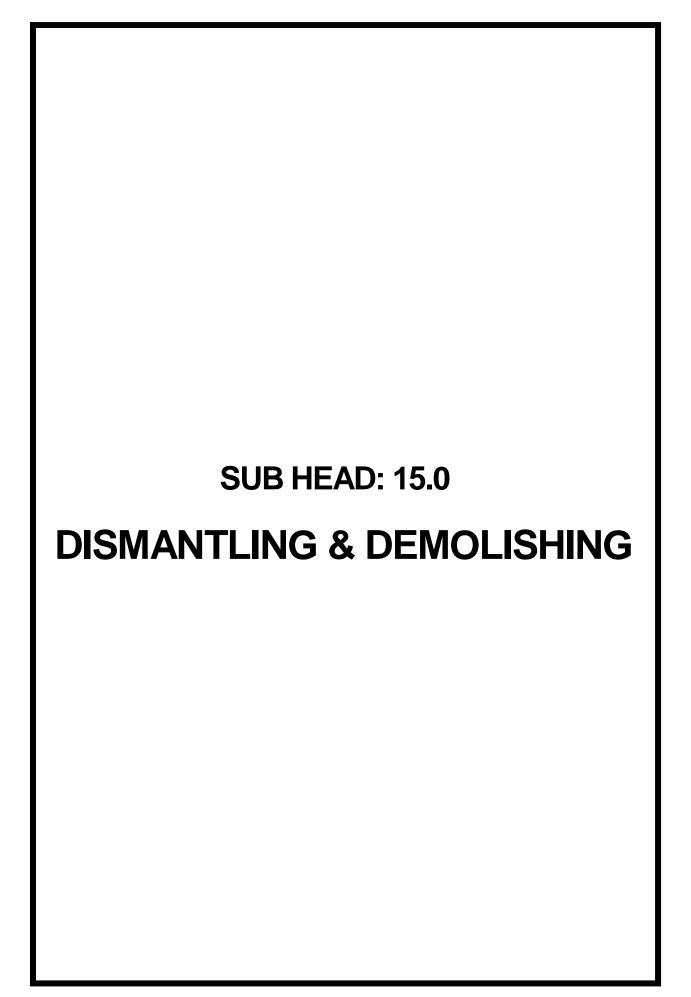
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	14.25.1 Wheel 50 mm dia. and below	per wheel	182.65
	14.25.2 Wheel above 50 mm dia	per wheel	314.20
14.26	Providing and fixing 25mm thick shutters for cupboard etc, including	1	
	nickel plated bright finished M.S. piano hinges with necessary screws.		
	14.26.1 Paneled or paneled and glazed shutters:		
	14.26.1.1 Superior class teak wood	sqm	NA
	14.26.1.2 1 st class teak wood	sqm	4910.25
	14.26.2 Glazed shutters:	_	
	14.26.2.1 Superior class teak wood	sqm	NA
	14.26.2.2 Ist class teak wood	sqm	4744.70
14.27	Providing and fixing plain jaffri door and window shutters including		
	bright or / and black enameled M.S. butt hinges with necessary screws		
	35x10 mm laths placed 35 mm apart (frames to be paid separately)		
	including fixing 50x12 mm beading complete with		
	14.27.1 Second class teak wood	sqm	4903.15
14.28	Providing and fixing brass curtain rods of wall thickness 1.25 mmwith two		
	brass brackets fixed with brass screws and wooden plugs etc. wherever		
	necessary complete.		
	14.28.1 20 mm diameter.	meter	318.00
	14.28.2 25 mm diameter.	meter	398.25
14.29	Providing and fixing M.S. round or square bars at required spacing in		
	wooden frame of windows and clerestory windows.	kg	134.35
14.30	Providing joist (karries) including hoisting, fixing in position and applying		
	wood preservative on unexposed surface etc. complete with:		
	14.30.1 Sal wood	cum	124263.50
	14.30.2 Hollack wood	cum	56984.00
14.31	Providing and fixing bright finished brass single acting spring hinges with		
	necessary brass screws etc. complete:		
	14.31.1 150 mm	each	701.75
	14.31.2 125 mm	each	514.45
	14.31.3 100 mm	each	477.50
14.32	Providing and fixing bright finished brass double acting spring hinges with		
	necessary brass screws etc. complete:		
	14.32.1 150 mm	each	795.40
	14.32.2 125 mm	each	688.35
	14.32.3 100 mm	each	638.05
14.33	Providing and fixing bright finished brass flush bolts with necessary brass		
	screws etc. complete :		
	14.33.1 250 mm	each	230.30
	14.33.2 150 mm	each	200.30
	14.33.3 100 mm	each	146.75
14.34	Providing and fixing 150 mm bright finished floor brass door stopper with		
	rubber cushion, necessary brass screws etc. to suit shutter thickness		
	complete	each	266.30
14.35	Providing and fixing bright finished brass hard drawn hooks and eyes	,	100 17
	14.35.1 300 mm	each	100.15
	14.35.2 250 mm	each	97.45
	14.35.3 200 mm	each	74.70
	14.35.4 150 mm	each	60.00
44.25	14.35.5 100 mm	each	52.65
14.36	Providing and fixing bright finished brass fan light pivot with necessary	,	44.50
44.2=	brass screws etc. complete.	each	44.50
14.37	Providing and fixing 300 mm long bright finished brass chain with hook	,	co :=
	for fan light catch including necessary brass screws etc. complete.	each	69.65

CODE	14.0 (Repairs to Building)	***	D 4 (D)
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
14.38	Providing and fixing bright finished brass quadrant stay 300mm long with		
	necessary brass screws etc. complete.	each	163.30
14.39	Providing and fixing bright finished brass helical door spring (superior		
	quality) with necessary brass screws etc. complete.	each	NA
14.40	Providing and fixing chromium plated brass butt hinges with necessary		
, .,	brass screws etc. complete.		
	14.40.1 125x70x4 mm (ordinary type)	each	174.35
	14.40.2 100x70x4 mm (ordinary type)	each	153.10
	• • • • • • • • • • • • • • • • • • • •		
	14.40.3 75x65x4 mm (heavy type)	each	176.90
	14.40.4 75x40x2.5 mm (ordinary type)	each	105.30
	14.40.5 50x40x2.5 mm (ordinary type)	each	44.75
14.41	Providing and fixing 85x42mm chromium plated brass pull bolt lock with		
	necessary C.P. brass screws, nuts, bolts and washers etc. complete	each	278.75
14.70	Providing and fixing double scaffolding system (cup lock type) on the		
	exterior side, up to seven storey height made with 40 mm dia M.S. tube		
	1.5 m centre to centre horizontal and vertical tubes joining with cup and		
	lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S.		
	staircase system in the scaffoldings for working platform etc. and		
	maintaining it in a serviceable condition for the required duration as		
	-		
	approved and removing it thereafter. The scaffolding system shall be		
	stiffened with bracings, runners, connection with the building etc.		
	wherever required for inspection of work at required locations with		
	essential safety features for the workmen etc complete as per directions		
	and approval of Engineer-in-charge. The elevational area of the		
	scaffolding shall be measured for payment purpose. The payment will be		
	made once irrespective of duration of scaffolding.	sqm	265.30
	NOTE:- To be used for maintenance work judicially necessary	1	
	deduction for scaffolding in the existing item to be done		
14.71	Providing and fixing bright finished brass casement window fasteners or		
17./1	peg stays to windows/ventilators with necessary welding and machine		
		lr o	511.05
14.70	screws etc. complete.	kg	311.03
14.72	Providing and fixing 14 mm bright finished brass spring catch to steel		
	centre hung ventilators with necessary welding and machine screws etc.	_	
	complete.	each	68.75
14.73	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5sqm		
	and under, including cutting the patch in proper shape, raking out joints		
	and preparing plastering the wall surface with white cement based		
	polymer modified self curing mortar, including disposal of rubbish, all		
	complete as per the direction of Engineer-In-Charge.	sqm	532.75
14.74	Cleaning of terrace/loft water storage tank (inside surface area) upto2000	1	
1	litre capacity at all heights with coconut brushes, duster etc., removal of		
	silt, rubbish from the tank and cleaning the tank with fresh water		
	<u> </u>		
	disinfecting with bleaching powder @ 0.5gm per litre capacity of tank		
	including marking the date of cleaning on the side of tank body with the		
	help of stencil and paint and disposing of malba all complete as per		
	direction of Engineer-in-Charge. (The old date already written on tank		
	should be removed with paint remover or black paint and if date is not		
	written with the stencil or old date is not removed deduction will be made		
	@ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is		
	damaged that is to be repaired by contractor at his own cost and nothing		
	extra will be paid on this account)	litre	0.40
	ond will be paid on and accounty	11410	0.70
14.75	Cleaning and desilting of well-stone should be to the first or a 1 C		1
14.75	Cleaning and desilting of gully trap chamber, including removal of		
	rubbish mixed with earth etc. and disposal of same, all as per the direction		
	of Engineer-in-charge.	each	77.75
	198		

0000	14.0 (Repairs to Building)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
14.76	Cleaning of chocked sewer line by diesel running vehicle mounting		
	hydraulic operated high pressure suction cum jetting sewer cleaning		
	machine fitted with pump having 4000 litres suction capacity and 6000		
	litres water jetting tank capacity including skilled operator, supervising		
	engineer etc. for cleaning and partial desilting of manholes and de-		
	chocking of sewer lines. De-chocking and flushing of sewer line from one		
	manhole to another by high pressure jetting system of 2200 PSI for sewer		
	line from 150mm dia upto 300mm	metre	284.15
14.77	Cleaning of under ground sump, Over Head R.C.C. Tank (independent		
	staging) including disposal of slit and rubbish, all as per direction of		
	Engineer-in-Charge. The cleaning shall consist following operations:-		
	(i)Tank shall be emptied of water by pumping & bottom shall be cleaned		
	of silt and other deposits.		
	(ii) Entire surface area of the sump shall then scrubbed thoroughly with		
	wire brush etc. and pressure washed with water.		
	(iii) Chlorination of RCC internal surface by liquid chlorine.		
	(iv) The treated surface shall be dried using air jetting and all loose		
	particles shall be removal from the surface.		
	(v) Finally the surface shall be treated with ultraviolet radiation etc. as per		
	direction of Engineer-in-Charge.	sqm	64.35
14.78	Disconnecting damaged overhead/terrace PVC water storage tank of any		
	size from water supply line and removing from the terrace including		
	shifting at ground level as per direction of Engineer-in- charge.	each	323.85
14.79	Providing & fixing White vitreous china water closet squatting pan(Indian		
	type) along with "S" or "P" trap including dismantling of old WC seat and		
	"S" or "P" trap at site complete with all operations including all necessary		
	materials, labour and disposal of dismantled material i/c malba, all		
	complete as per the direction of Engineer-in charge.		
	14.79.1 Long pattern W.C Pan of size 580x440 mm	each	3269.70
	14.79.2 Orissa pattern W.C Pan of size 580x440 mm	each	3381.45
14.80	Cutting holes of required size in brick masonry wall for fixing of exhaust	cacii	3301.43
14.00	fan including providing and fixing 300 mm dia PVC pipe conforming		
	BIS-12818 and making good the same etc. complete as per direction of		
	Engineer-in-charge.	each	254.15
14.81	Dismantling W.C. Pan of all sizes including disposal of dismantled	Cacii	234.13
14.01		aaah	05.05
14.02	materials i/c malba all complete as per directions of Engineer-in-Charge.	each	95.85
14.82	Hacking of CC flooring including cleaning for surface etc. complete as per		2.55
14.02	direction of the Engineer-in-Charge.	sqm	2.55
14.83	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled		
	pipes (within 50 metres lead) as per direction of Engineer-in-Charge.		2.25
	(a) Internal Work- Exposed on wall	metre	3.35
14.84	Taking out existing wooden door shutter, repair by cutting, painting etc.		
	and refixing of repaired door shutters to existing door frames, including		
	replacement of hinges with screws, etc. as required, all complete as per the		
	direction of the Engineer-in-charge.	each	313.20
14.85	Providing and laying in situ seven course water proofing treatment with		
	APP (Atactic poly- propylene) modified Polymeric membrane over roof		
	consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd, 4th &		
	6th courses of bonding material @ 1.20 Kg/ sqm, which shall consist of		
	blown type bitumen of grade 85/25 conforming to IS: 702, 3rd and 5th		
	layers of roofing membrane APP modified Polymeric membrane of		
	specified thickness, weight and centre core, HMHDPE film sandwiched on		
	both sides with polymeric mix and the polymeric mix is protected on both		
	side with 20 micron HMHDPE film. 7th, the top most layer shall be		
	finished with brick tiles of class designation 10 grouted with cement		
<u> </u>	100	l	I .

1	14.0 (Repairs to Building)	1	
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	mortar 1:3 (1cement:3 fine sand) mixed with 2% integral water proofing		
	compound by weight of cement over a 12 mm layer of cement mortar 1:3		
	(1 cement: 3 fine sand) and finished neat (item of laying brick tiles shall		
	be paid for separately.)		
	14.85.1 Modified Polymeric membrane 1.5 mm thick of 2.25 Kg/ sqm		
	weight consisting of five layers prefabricated with centre core as 20		
		aam	640.60
	micron	sqm	640.60
	14.85.2 Modified Polymeric membrane 2.0 mm thick of 3.0 Kg/ sqm		
	weight consisting of five layers prefabricated with centre core as 100		
	micron	sqm	758.35
14.86	Providing and laying in situ five course water proofing treatment with		
	APP (Atactic Poly Propylene) modified Polymeric membrane over roof		
	consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd, 4th		
	courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown		
	type bitumen of grade 85/25 conforming to IS: 702, 3rd layer of roofing		
	membrane APP modified Polymeric membrane 2.0mm thick of 3.00		
	Kg/sqm weight consisting of five layers prefabricated with centre core as		
	100micron HMHDPE film sandwiched on both sides with polymeric mix		
	and the polymeric mix is protected on both side with 20micron HMHDPE		
	1 7		
	film, 5th top most layer shall be finished with brick tiles of class		
	designation 100 grouted with cement mortar 1:3 (1 cement : 3 Fine sand)		
	mixed with 2% integral water proofing compound by weight of cement		
	over a 12mm layer of cement mortar 1:3 (1 cement: 3 fine sand) and		
	finished neat (item of laying brick tiles shall be paid for separately).	sqm	473.75
14.87	Providing and laying APP (Atactic Poly Propylene Polymer) modified		
	prefabricated five layer water proofing membrane, black finishing		
	reinforced with glass fibre mat consisting of a coat of bitumen primer for		
	bitumen membrane @ 0.40 ltr/sq. mt. by the same membrane manufacture		
	of density at 25°C, 0.87- 0.89 kg/ltr and viscosity 70-160 cps. Over the		
	primer coat the layer of membrane shall be laid using Butane torch and		
	sealing all joints etc., and preparing the surface complete. The vital		
	physical and chemical parameters of the membrane shall be as under:		
	Softening point of membrane not less than 150°C. Cold flexibility shall be		
	upto -2°C when tested in accordance with ASTM, D - 5147. The laying of		
	•		
	membrane shall be got done through the authorized applicator of the		
	manufacture of membrane.		
	14.87.1 With glass fibre matt: Joint strength in longitudinal and		
	transverse direction at 23°C as 350/300 N/ 5cm. Tear strength in		
	longitudinal and transverse direction as 60/80N.		
	14.87.1.1 2mm thick (for corrugated roof sheets)	sqm	443.80
	14.87.1.2 3mm thick (for corrugated roof sheets)	sqm	523.10
	14.87.2 3 mm thick water proofing membrane with non-woven polyester		
	matt: Joint strength in longitudinal and transverse direction at 23°C as		
	650/450 N/ 5cm. Tear strength in longitudinal and transverse direction as		
	300/250N.	sqm	552.55
14.88	Extra for covering top of membrane with Geo textile, 120gmsnon woven,	·1 -	
2 1100	100% polyester of thickness 1 to 1.25mm bonded to the membrane with		
	intermittent touch by heating the membrane by Butane Torch as per		
		cam	100.00
	manufactures recommendation.	sqm	100.00
44.55			
14.89	Providing round the clock security guard without gun for watch &ward of		
	Government premises and its all belongings by deploying neatly dressed		
	security guards in 8 hour's shift including necessary T&P like torch, lathi		
	and uniform etc. complete, as per the direction of Engineer-in-charge.(One		
	job means 8 hour's duty).	each job	747.50

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
14.90	Providing round the clock security guard with gun for watch & ward of		
	Government premises and its all belongings by deploying neatly dressed		
	security guards in 8 hour's shift including necessary T&P like torch, lathi		
	and uniform etc. complete, as per the direction of Engineer-in-charge.(One		
	job means 8 hour's duty).	each job	872.85



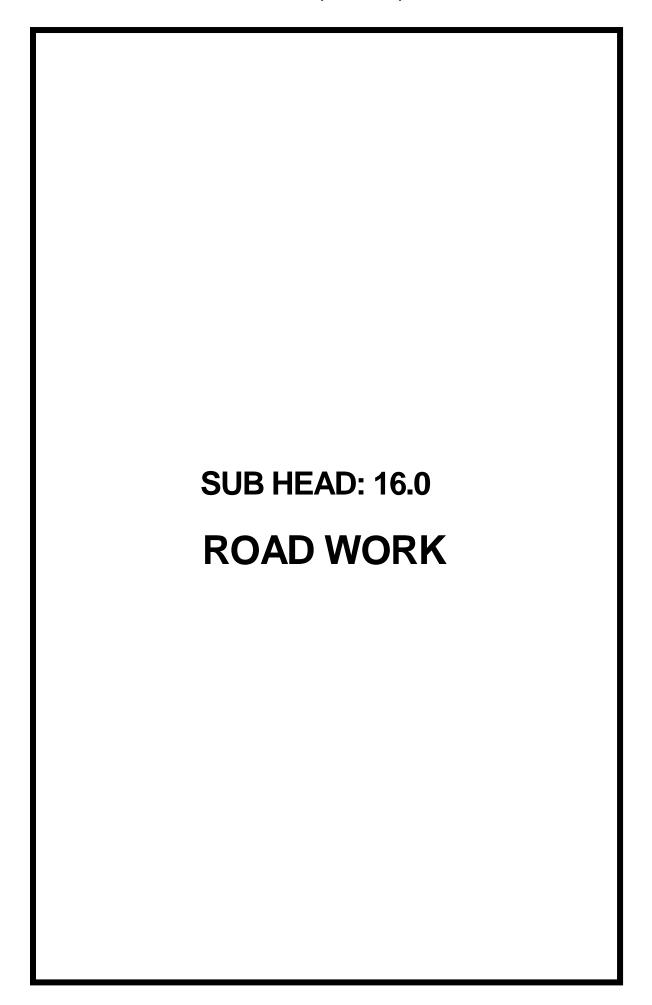
CODE	DESCRIPTION 15.0 (Dismantling and Demolishing)	UNIT	RATE
NO.			₹
15.1	Demolishing lime concrete manually/by mechanical means and disposal of		
	material within 50 meters lead as per direction of Engineer-in-charge.	cum	602.80
15.2	Demolishing cement concrete manually/by mechanical means including		
	disposal of material within 50 meters lead as per direction of Engineer-in-		
	charge:		
	15.2.1 1:3:6 or richer mix (i/c equivalent design mix)	cum	1725.20
	15.2.2 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1064.55
15.3	Demolishing R.C.C. work manually/by mechanical means including		
	stacking of steel bars and disposal of unserviceable material within 50		
	meters lead as per direction of Engineer-in-charge.	cum	2516.85
15.4	Demolishing R.B work manually/by mechanical means including stacking		
	of steel bars and disposal of unserviceable material within 50 meters lead		
	as per direction of Engineer-in-charge.	cum	2250.10
15.5	Extra for cutting reinforcement bars manually/by mechanical means in		
	R.C.C. or R.B. work (Payment shall be made on the cross sectional areas		
	of R.C.C. or R.B. work) as per direction of Engineer-in-charge.	sqm	905.75
15.6	Extra for scrapping, cleaning and straightening reinforcement from R.C.C.		
	or R.B. work	kg	6.95
15.7	Demolishing brick work manually/by mechanical means including		
	stacking of serviceable material and disposal of unserviceable material		
	within 50 meters lead as per direction of Engineer-in-charge:		
	15.7.1 In mud mortar	cum	499.20
	15.7.2 In lime mortar with old mughal bricks	cum	1261.25
	15.7.3 In lime mortar	cum	602.80
	15.7.4 In cement mortar	cum	1458.45
15.8	Removing mortar from bricks and cleaning bricks including stacking		
	within a lead of 50 m. (stacks of cleaned bricks shall be measured):		
	15.8.1 From brick work in mud mortar	1000 nos	3358.40
	15.8.2 From brick work in lime mortar	1000 nos	3923.15
	15.8.3 From brick work in cement mortar	1000 nos	4944.10
15.9	Demolishing stone rubble masonry manually/by mechanical means		
	including stacking of serviceable material and disposal of unserviceable		
	material within 50 meters lead as per direction of Engineer-in-charge:		
	15.9.1 In lime mortar	cum	820.40
	15.9.2 In cement mortar	cum	1740.45
15.10	Dismantling dressed stone work ashlar face stone work, marble work or		
	precast concrete work manually/by mechanical means including stacking		
	of serviceable material and disposal of unserviceable material within 50		
	meters lead as per direction of Engineer-in-charge:		1027.55
	15.10.1 In lime mortar	cum	1037.55
15 11	15.10.2 In cement mortar	cum	2036.40
15.11	Removing mortar from and cleaning stones and concrete articles (net		
	quantity of stacks of cleaned materials will be measured)		246.00
	15.11.1 In lime mortar	cum	346.80
15 10	15.11.2 In cement mortar	cum	496.05
15.12	Dismantling doors, windows and clerestory windows (steel or wood)		
	shutter including chowkhats, architrave, holdfasts etc. complete and		
	stacking within 50 meters lead:	anah	205.25
	15.12.1 Of area of 3 sqm. and below	each	285.25
15 10	15.12.2 Of area beyond 3 sqm.	each	390.50
15.13	Taking out doors, windows and clerestory window shutters (steel or wood)		
	including stacking within 50 meters lead:	20.01-	110.05
	15.13.1 Of area of 3 sqm. and below	each	110.05
	15.13.2 Of area beyond 3 sqm.	each	145.75

CODE	15.0 (Dismantling and Demolishing) DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	UNII	KAIE
15.14	Dismantling wood work in frames, trusses, purlins and rafters upto 10		-
13.14	meters span and 5 meters height including stacking the material within 50 meters lead:		
	15.14.1 Of sectional area 40 sqcm. and above.	cum	3488.65
	15.14.2 Of sectional area below 40 sqcm.	meter	13.95
15.15	Extra for dismantling trusses, rafters, purlins etc. of wood work for every		
	additional span of one meter or part thereof beyond 10 meters:		
	15.15.1 Of sectional area 40 sqcm and above.	cum per meter span	463.15
	15.15.2 Of sectional area below 40 sqcm.	meter per meter span	1.30
15.16	Extra for dismantling trusses, rafters, purlins etc. of wood work for every		
	additional height of one meter or part thereof beyond 5 meters :		
	15.16.1 Of sectional area 40 sqcm. and above.	cum per meter height	660.25
	15.16.2 Of sectional area below 40 sqcm.	meter per	
		meter height	2.60
15.17	Dismantling steel work in single sections including dismembering and stacking within 50 meters lead in :		
	15.17.1 R.S. Joists	kg.	2.55
	15.17.2 Channels, angles, tees and flats	kg.	1.75
15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc.		
	including dismembering and stacking within 50 meters lead.	kg	4.30
15.19	Dismantling steel work manually/by mechanical means in built up		
	sections without dismembering and stacking within 50 meters lead as per		
	direction of Engineer-in-charge:	kg	2.80
15.20	Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional span of one meter or part thereof beyond 10 meters.	kg per meter span	0.60
15.21	Extras for dismantling trusses, rafters, purlins etc. of steel work for every additional height of one meter or part thereof beyond 5 meters.	kg per meter height	0.60
15.22	Extra for marking of structural steel work required to be re-erected.	kg	3.65
15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 meters lead.		
	15.23.1 For thickness of tiles 10 mm to 25 mm	sqm	57.00
	15.23.2 For thickness of tiles above 25 mm and upto 40 mm.	sqm	89.95
15.24	Demolishing dry brick pitching in floors, drains etc. including stacking serviceable material and disposal of unserviceable material within 50		
	meters lead.	cum	934.00
15.25	Dismantling stone slab flooring laid in cement mortar including stacking		
	of serviceable material and disposal of unserviceable material within 50		100 17
15.04	meters lead.	sqm	189.15
15.26	Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50		
	meters lead.	sqm	83.45
15.27	Demolishing mud phaska in terracing and disposal of material within 50 meters lead	cum	647.15
15.28	Dismantling roofing including ridges, hips valleys and gutters etc., and		
	stacking the material within 50 meters lead of:	a a ma	105.25
	15.28.1 G.S. Sheet	sqm	125.35
	15.28.2 Asbestos sheet	sqm	58.40

CODE	15.0 (Dismantling and Demolishing) DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	UNII	KAIE
15.29	Dismantling stone slab roofing over wooden karries or R.C.C. battens		
13.27	(dismantling karries and battens to be paid for separately) including		
	stacking of serviceable material and disposal of unserviceable material		
	within 50 meters lead.	cum	1891.45
15.30	Dismantling jack arch roofing and floors including stacking of serviceable		
10.00	material and disposal of unserviceable material within 50 meters lead.	sqm	180.25
15.31	Dismantling tiled roofing with battens boarding etc. complete including	~1	
10.01	stacking of serviceable material and disposal of unserviceable material		
	within 50 meters lead	sqm	149.20
15.32	Demolishing thatch roofing including mats, bamboo, jaffari etc. complete	1	
	including stacking of serviceable material and disposal of unserviceable		
	material within 50 meters lead.	sqm	41.15
15.33	Dismantling wooden ballies in posts and struts including stacking within	1	
	50 meters lead.	meter	14.85
15.34	Dismantling and stacking within 50 meters lead, fencing posts or struts		
	including all earth work and dismantling of concrete etc. in base of		
	15.34.1 T or L iron or pipe	each	179.20
	15.34.2 R.C.C.	each	197.90
15.35	Cutting ballies or wooden posts of fencing at the point of projection above		
	the concrete or ground and stacking the same within 50 meters lead.	each	13.90
15.36	Dismantling barbed wire or flexible wire rope in fencing including making		
	rolls and stacking within 50 meters lead.	kg	26.05
15.37	Dismantling wooden trellis work excluding frames but including stacking		
	the serviceable material within 50 meters lead.	sqm	47.75
15.38	Dismantling expanded metal or I.R.C. fabrics with necessary battens and		
	beading including stacking the serviceable material within 50 meters lead.	sqm	55.60
15.39	Dismantling wooden boardings in lining of walls and partitions, excluding		
	supporting members but including stacking within 50 meters lead :		
	15.39.1 Upto 10 mm thick	sqm	46.10
	15.39.2 Thickness above 10 mm upto 25 mm	sqm	58.90
	15.39.3 Thickness above 25 mm upto 40 mm.	sqm	68.50
15.40	Dismantling precast concrete or stone slabs in walls, partition walls etc.		
	including stacking within 50 meters lead:		
	15.40.1 Thickness upto 40 mm	sqm	209.10
	15.40.2 Thickness above 40 mm upto 75 mm	sqm	313.20
15.41	Dismantling cement asbestos or other hard board ceiling or partition walls		
	including stacking of serviceable materials and disposal of unserviceable		
	materials within 50 meters lead.	sqm	43.60
15.42	Dismantling C.I. or asbestos rain water pipes with fittings and clamps		
	including stacking the material within 50 meters lead:		53 50
	15.42.1 75 to 80 mm dia pipe.	meter	53.60
	15.42.2 100 mm dia pipe.	meter	55.25
1	15.42.3 150 mm dia pipe.	meter	56.95
15.43	Dismantling manually/ mechanically including stacking of serviceable		
	material and disposal of unserviceable material within 50 meters lead as		
	per direction of Engineer-in-charge:		156.20
	15.43.1 Water bound macadam road.	sqm	156.30
15 44	15.43.2 Bituminous road.	sqm	305.95
15.44	Dismantling G.I. pipes (external work) including excavation and refilling		
	trenches after taking out the pipes, manually/by mechanical means		
	including stacking of pipes within 50 meters lead as per direction of		
	Engineer-in-charge:	moter	100.65
	15.44.1 15 mm to 40 mm nominal bore.	meter	109.65
	15.44.2 Above 40 mm nominal bore	meter	121.65

CODE	DESCRIPTION 15.0 (Dismantling and Demolishing)	UNIT	RATE
NO.	DESCRIPTION	UNII	KA1E ₹
15.45	Dismantling C.I. pipes manually/ by mechanical means breaking lead		— `
13.43	caulked joints, melting of lead and making into blocks including stacking		
	of pipes and lead at site within 50 meter lead as per direction of Engineer-		
	in-charge.		
	15.45.1 Including excavation and refilling trenches after taking out the		
	pipes. 15.45.1.1 Upto 150 mm diameter.	meter	303.05
	15.45.1.2 Above 150 mm diaupto 300 mm dia.	meter	402.10
	15.45.1.3 Above 300 mm diameter.	meter	525.60
		meter	323.00
	15.45.2 Excluding excavation and refilling trenches after taking out the		
	pipes.	matar	112.20
	15.45.2.1 Upto 150 mm diameter.	meter	
	15.45.2.2 Above 150 mm diaupto 300 mm dia.	meter	198.35
15.46	15.45.2.3 Above 300 mm diameter.	meter	308.65
15.46	Dismantling steel cylinder R.C. pipes manually/ by mechanical means		
	breaking lead caulked joints, melting of lead and making into blocks		
	including stacking of pipes and lead at site within 50 meter lead as per		
	direction of Engineer-in-charge.		
	15.46.1 Including excavation and refilling trenches after taking out the		
	pipes		512.15
	15.46.1.1 Upto 600 mm diameter.	meter	513.15
	15.46.1.2 Above 600 mm dia.	meter	1303.75
	15.46.2 Excluding excavation and refilling trenches after taking out the		
	pipes.		
	15.46.2.1 Upto 600 mm diameter.	meter	308.65
	15.46.2.2 Above 600 mm dia.	meter	695.10
15.47	Dismantling asbestos cement pressure pipes including excavation and		
	refilling trenches after taking out the pipes and stacking the pipes		
	manually/mechanical means within 50 meters lead as per direction of		
	Engineer-in-charge:		
	15.47.1 Upto 150 mm diameter.	meter	235.00
	15.47.2 Above 150 mm diameter	meter	285.30
15.48	Taking out C.I. cover with frame from R.C.C. top slab of manholes of		
	various sizes including demolishing of R.C.C. work manually/ mechanical		
	means and stacking of useful materials near the site and disposal of		
	unserviceable materials within 50 meters lead as per direction of Engineer-		
	in-charge:	each	501.80
15.49	Taking out C.I. cover with frame from R.C.C. top slab of inspection		
	chambers of various sizes including demolishing of R.C.C. work		
	manually/ mechanical means and stacking of useful materials near the site		
	and disposal of unserviceable materials into municipal dumps within 50		
	meters lead as per direction of Engineer-in-charge.	each	293.75
	Dismantling of R.C.C. spun vent shaft including excavating the cement		
15.50			
15.50	concrete pit completely, taking out the shaft, refilling the excavated gap,		
15.50	concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable		
15.50	concrete pit completely, taking out the shaft, refilling the excavated gap,	each	3427.60
15.50 15.51	concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 meters lead.	each	3427.60
	concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 meters lead. Dismantling of road gully chamber of various sizes including C.I. grating	each	3427.60
	concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 meters lead. Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal	each	3427.60
	concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 meters lead. Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 meters lead		
15.51	concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 meters lead. Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 meters lead including refilling the excavated gap.	each	3427.60 686.30
15.51	concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 meters lead. Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 meters lead including refilling the excavated gap. Dismantling of flushing cistern of all types(C.I/PVC/Vitreous china)		
	concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 meters lead. Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 meters lead including refilling the excavated gap.		

CODE	15.0 (Dismantling and Demolishing) DESCRIPTION	UNIT	RATE
NO.			₹
15.53	Dismantling of C.I. sluice valve including stacking of useful materials		
	within a lead of 50 meters.		
	15.53.1 Upto 150 mm diameter.	each	252.35
	15.53.2 Above 150 mm diameter.	each	913.55
15.54	Dismantling of spindle fire hydrant including stacking of useful materials		
	within 50 meters lead.	each	555.90
15.55	Dismantling of cement concrete platform along with curtain walls and		
	base concrete etc. including stacking of useful materials near the site and		
	disposal of unserviceable materials near the site and disposal of		
	unserviceable materials within 50 meters lead:		
	15.55.1 120x120 cm (outside to outside)	each	781.65
	15.55.2 210x120 cm (outside to outside)	each	1199.05
	15.55.3 320x120 cm (outside to outside)	each	1696.95
15.56	Dismantling old plaster or skirting, raking out joints and cleaning the		
	surface for plaster including disposal of rubbish to the dumping ground		
	within 50 meters lead.	sqm	38.90
15.57	Dismantling aluminum / Gypsum partitions, doors, windows, fixed		
	glazing and false ceiling including disposal of unserviceable surplus		
	material and stacking of serviceable material within 50 meters lead as		
	directed by Engineer-in-charge.	sqm	43.65
15.58	Dismantling Dry stone pitching in aprons, drains, etc. including stacking		
	of serviceable material & disposal of unserviceable material, stacking		
	/disposal lead upto 100 meters.	cum	1151.60
15.59	Dismantling concrete grouted stone pitching in aprons drains etc.		
	including stacking of serviceable material and disposal of unserviceable		
	material, stacking /disposal lead upto 100 meters.	cum	1535.90
15.60	Dismantling old protection work including cutting of crates and stacking		
	of stones.	cum	398.35
15.61	Demolishing RCC work by mechanical means & stockpiling at designated		
	locations & disposal of dismantled materials upto a lead of 1 kilometer,		
	stacking serviceable & unserviceable material separately including cutting		
	reinforcement bars	cum	2048.70
15.62	Dismantling of flexible pavement (bituminous courses) by mechanical		
	means and disposal of dismantled material upto a lead of 1 kilometer, as		
	per direction of Engineer-in-charge.	cum	336.30



16.0 (Road Work)

16.0 (Road Work)

CODE	DESCRIPTION 16.0 (ROAD WORK)	UNIT	RATE
NO.	DESCRIPTION	UNII	RAIL ₹
16.1	Preparation of subgrade by excavating earth to an average of 22.5 cm		`
10.1			
	depth, dressing to camber and consolidation with road roller of 8-12 tonne		
	capacity including making good the undulation etc. and disposal of surplus		152.00
160	earth upto 50 meters.	sqm	153.00
16.2	Consolidation of subgrade with power road roller of 8 to 12 tonne capacity		
	including making good the undulations etc. with earth or quarry spoils etc.		• 00
	and rerolling the subgrade.	sqm	2.80
16.3	Extra for compaction of earth work in embankment under optimum		
	moisture conditions to give at least 95% of the maximum dry density		
	(proctor density)	cum	18.50
16.4	Supplying and stacking at site		
	16.4.1 Graded crushed stone aggregate of size		
	16.4.1.1 90 mm to 45 mm	cum	1204.15
	16.4.1.2 63 mm to 45 mm	cum	1204.15
	16.4.1.3 53 mm to 22.4 mm	cum	1204.15
	6.4.2 Over burnt Brick Aggregate of size		
	16.4.2.1 120 mm to 40 mm	cum	802.75
	16.4.2.2 90 mm to 45 mm	cum	802.75
	6.4.3 Stone screening of size		
	16.4.3.1 13.2 mm nominal size (Type A)	cum	1204.15
	16.4.3.2 11.2 mm nominal size (Type B)	cum	1204.15
	6.4.4 Red bajri	cum	1204.15
	6.4.5 Good Earth	cum	281.30
	6.4.6 Moorum	cum	668.95
16.5	Laying, spreading and compacting stone aggregate of specified sizes to		
	WBM specifications in uniform thickness, hand picking, rolling with 3		
	wheeled road / vibratory roller 8-10 tonne capacity in stages to proper		
	grade and camber, applying and brooming requisite type of screening		
	/binding material to fill up interstices of coarse aggregate, watering and		
	compacting to the required density.	cum	768.15
16.6	Laying water bound macadam sub-base with brick aggregate and binding		700110
10.0	material, earth etc. including screening, sorting, spreading to template and		
	consolidation with light power road roller etc. complete (payment for		
	brick aggregate and moorum etc, to be made separately):	cum	630.00
16.7	Spreading 6 mm thick red bajri, watering and rolling complete including	Cum	030.00
10.7	preparation of the surface and rolling (Payment for red bajri to be made		
	separately):		
	16.7.1 With road roller	sqm	11.10
	16.7.1 With road folice	_	13.05
16.0	Brick edging in full brick width and half brick depth including excavation,	sqm	13.03
16.8			
	refilling and disposal of surplus earth lead upto 50 meters. 16.8.1 With common burnt clay (non modular) bricks of class		
		mater	219 55
160	designation 7.5	meter	218.55
16.9	Brick edging laid lengthwise with half brick depth including excavation,		
	refilling and disposal of surplus earth lead upto 50 meters.		
	16.9.1 With common burnt clay (non modular) bricks of class		<i>c</i> 1 00
4	designation 7.5	meter	61.80
16.10	Scarifying metalled (water-bound) road surface including disposal of		
	rubbish lead upto 50m and consolidation of the aggregate received from		
	scarifying with power road roller of 8 to 10 tonne capacity.	sqm	24.45
16.11	Making bajri path including preparation of subgrade, supplying and laying		
	brick aggregate of 50mm nominal size 7.5 cm deep with binding material		
	consisting of 12mm moorum and 12mm red bajri consolidated with road		
	roller.	sqm	151.55
		_	

16.0 (Road Work)

~~-	16.0 (Road Work)	l	
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
16.12	Dry stone pitching 22.5 cm thick including supply of stones and preparing		
	surface complete.	sqm	713.70
16.13	Dry brick pitching half brick thick in drains including supply of bricks and		
	preparing the surface complete.		
	16.13.1 With common burnt clay (non modular) bricks of class		
	designation 7.5	sqm	761.50
16.14	Cutting road and making good the same including supply of extra		
	quantities of material i.e. crushed aggregate, moorum screening, red bajri		
	and labour required.		
	16.14.1 Bituminous portion	cum	4000.40
	16.14.2 Water bound macadam.	cum	2236.20
16.15	Cutting bajri paths and making good the same including supply of extra		
10110	quantities of brick aggregate, moorum and red bajri required.	sqm	204.05
	FENCING	Sqm	201.03
16.16	Supplying at site		
10.10	16.16.1 R.C.C. Standards post/ struts/rails/ pales of mix 1:1.5:3 (1 cement		
	: 1.5 coarse sand : 3 graded stone aggregate 12.5 mm nominal size) with		
	wooden plugs or 6mm bar nibs wherever required as per direction of		
	Engineer-in-charge (cost of earth works in excavation, concrete works in foundation to be paid separately).	oum	27585.95
	· · · · · · · · · · · · · · · · · ·	cum	21383.93
	16.16.2 Welded steel wire fabric of required width having rectangular		
	mesh painted with two or more coats of enamel paint of approved shade		75.05
464	over a coat of primer (Priming & Painting to be paid for separately).	kg	75.95
16.17	Supplying and fixing turn buckles and straining bolts for barbed wire		252.05
	fencing. each	per set	252.05
16.18	Fencing with R.C.C. post placed at required distance, embedded in cement		
	concrete blocks, every 15th post, last but one end post and corner post		
	shall be strutted on both sides and end post one side only, provided with		
	horizontal lines and two diagonals of barbed wire weighing 9.38 kg per		
	100 meters (minimum), between the two posts fitted and fixed with G.I.		
	staples on wooden plugs or G.I. binding wire tied to 6 mm bar nibs fixed		
	while casting the post (cost of R.C.C. posts, struts, earth work and		
	concrete to be paid for separately) :- Payment to be made per meter cost of		
	total length of barbed wire used.		
	16.18.1 With G.I. barbed wire	meter	12.45
	16.18.2 DELETED		
16.19	DELETED		
16.20	DELETED		
16.21	DELETED		
16.22	Fencing with angle iron post placed at required distance embedded in		
	cement concrete blocks, every 15th post, last but one end post and corner		
	post shall be strutted on both sides and end post on one side only and		
	provided with horizontal lines and two diagonals interwoven with		
	horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum),		
	between the two posts fitted and fixed with G.I. staples, turn buckles etc.		
	complete. (Cost of posts, struts, earth work and concrete work to be paid		
	for separately). Payment to be made per meter cost of total length of		
	barbed wire used.		
	16.22.1 With G.I. barbed wire	meter	19.85
16.23	Supplying at site Angle iron post & strut of required size including bottom	meter	17.03
10.23	to be split and bent at right angle in opposite direction for 10 cm length		
		ka	127.30
	and drilling holes upto 10 mm dia. etc. complete.	kg	127.30

CODE	16.0 (Road Work)	TINITE	D A IDE
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
16.24	Welded steel wire fabric fencing with posts of specified material and of standard design placed and embedded in cement concrete blocks 45x45x 60 cm of mix 1:5:10 (1 cement:5 fine sand : 10 graded stone aggregate 40 mm nominal size), every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and struts embedded in cement concrete blocks 70x45x50 cm of the same mix,		
	provided with welded steel wire fabric fixed between the posts fitted and		
	fixed with G.I. staples on wooden plugs or tied to 6 mm bar nibs with G.I.		
	binding wire (cost of posts, welded steel wire fabric, painting, earth work		
	in excavation and concrete to be paid for separately).	sqm	55.75
16.25	Providing and fixing G.I. chain link fabric fencing of required width in		
	mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts,		
	bolts and washers as required complete as per the direction of Engineer-in-		
	charge. 16.25.1 Made of G.I. wire of dia 4 mm	aam	809.90
	16.25.1 Made of G.I. wire of dia. 4 mm, PVC coated to achieve	sqm	009.90
	outer dia not less than 5 mm in required colour and shade	sqm	852.05
16.26	Providing and fixing G.I. chain link fabric fencing of required width in	54.11	002.00
10.20	mesh size 25x25 mm made of G.I. wire of dia 3 mm including		
	strengthening with 2 mm dia wire or nuts, bolts and washers as required		
	complete as per the direction of Engineer-in-charge.	sqm	929.35
16.27	DELETED		
16.28	DELETED		
16.29	Engraving letters in hard stone	per cm height per letter	9.00
16.30	Providing and fixing 15x15x90 cm boundary stone of hard stone with top		
	30cm chisel dressed on all four sides and on top (cost of excavation,		
	refilling and concrete etc. to be paid for separately).	each	195.80
16.31	Providing and fixing 15 cm dia at top, 20 cm at bottom and 90cm high precast reinforced cement concrete 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20mm nominal size) boundary stone as per standard design including finishing smooth with cement mortar 1:3 (1 cement: 3 fine sand) (cost of excavation, refilling and concreting to be paid for separately).	each	710.90
16.32	Providing and fixing precast reinforced cement concrete 1:1.5:3 (1		
	cement: 1.5 coarse sand: 3 graded stone aggregate 20mm nominal size) kilometer stone as per standard design including finishing smooth in 1:3 cement mortar (1cement: 3 fine sand) but excluding the cost of earth work, concrete in foundation, painting and lettering etc. which shall be paid for separately.		
	16.32.1 35x111x25 cm size.	each	2587.05
	16.32.2 50x152.5x25 cm size.	each	4682.25
	16.32.3 35x93.5x18 cm size	each	1725.10
16.33	SURFACE DRESSING Surface dressing on new surface with paving bitumen of grade VG – 10 of approved quality using 2.25 kg of bitumen per sqm with 1.65 cum of stone chippings 13.2 mm nominal size per 100 sqm of road surface, including consolidation with road roller of 6 to 8 tonne capacity etc. complete:	sqm	251.40
16.34	Surface dressing on new surface in two coats with bitumen of grade VG -	1	
	10 of approved quality using 1.8 kg of bitumen per sqm with 1.5 cum of stone chippings 13.2 mm nominal size per 100 sqm of road surface for		

CODE	16.0 (Road Work)	TINITE	DA IDE
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	first coat and 1.1 kg of bitumen per sqm with 1.00 cu. meter of stone		
	chippings 11.2 mm nominal size per 100 sqm of road surface for second		
	coat, including consolidation of each coat separately with road roller of 6		
	to 8 tonne capacity etc. complete.	sqm	338.90
16.35	Surface dressing on old surface with hot bitumen of grade VG-10 of		
	approved quality using 1.95kg of bitumen per sqm. with 1.50 cum of stone		
	chippings 11.2 mm nominal size per 100 sqm. of road surface including		
	consolidation with road roller of 6 to 8 tonne capacity etc. complete	sqm	198.10
16.36	Surface dressing one coat on new surface with bitumen of specified grade	1	
2000	at a rate of 1.95kg/sqm of surface area with 1.5 cum. of stone chippings		
	13.2 mm nominal size per 100 sqm of road surface including		
	consolidation with road roller of 6 to 8 tonne capacity etc. complete.		
	16.36.1 Using bitumen emulsion (minimum 50% bitumen content -RS		217.05
14.05	grade conforming to IS: 8887)	sqm	217.85
16.37	Surface dressing one coat on old surface with bitumen of specified grade		
	at a rate of 1.22kg/sqm of surface area with 1.10 cum. of stone chippings		
	11.2 mm nominal size per 100 sqm of road surface including		
	consolidation with road roller of 6 to 8 tonne capacity etc. complete.		
	16.37.1 Using bitumen emulsion (minimum 50% bitumen		
	content -RS grade conforming to IS: 8887)	sqm	136.70
	PRE MIX CARPET		
16.38	Providing and applying tack coat using hot straight run bitumen of grade –		
	VG-10, including heating the bitumen, spraying the bitumen with		
	mechanically operated spray unit fitted on bitumen boiler, cleaning and		
	preparing the existing road surface as per specifications.		
	16.38.1 On W.B.M. @ 0.75 Kg/sqm.	sqm	74.35
	16.38.2 On bitumen surface @ 0.50 Kg/sqm.	sqm	55.20
16.38A	Providing and applying tack coat using hot straight run bitumen of	1	
	grade – VG-30, including heating the bitumen, spraying the bitumen		
	with mechanically operated spray unit fitted on bitumen boiler,		
	cleaning and preparing the existing road surface as per specifications.		
	cleaning and preparing the existing road surface as per specifications.	sam	75 75
	16.38.1 On W.B.M. @ 0.75 Kg/sqm.	sqm	75.75 56.10
16 30	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm.	sqm sqm	75.75 56.10
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to	_	
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the	_	
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom.	_	
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion	sqm	56.10
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm.	sqm sqm	56.10 30.90
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm.	sqm	56.10
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion	sqm sqm sqm	30.90 19.95
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm.	sqm sqm sqm	30.90 19.95 31.60
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm.	sqm sqm sqm	30.90 19.95
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub	sqm sqm sqm	30.90 19.95 31.60
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications.	sqm sqm sqm	30.90 19.95 31.60
16.39	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications. 2 cm premix carpet surfacing with 1.8cum and 0.90 cum of stone	sqm sqm sqm	30.90 19.95 31.60
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications.	sqm sqm sqm	30.90 19.95 31.60
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications. 2 cm premix carpet surfacing with 1.8cum and 0.90 cum of stone	sqm sqm sqm	30.90 19.95 31.60
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications. 2 cm premix carpet surfacing with 1.8cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 size respectively, per 100 sqm and	sqm sqm sqm	30.90 19.95 31.60
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications. 2 cm premix carpet surfacing with 1.8cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 size respectively, per 100 sqm and 52kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm	sqm sqm sqm	30.90 19.95 31.60
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. 16.38.2 On bitumen surface @ 0.50 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications. 2 cm premix carpet surfacing with 1.8cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 size respectively, per 100 sqm and 52kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run	sqm sqm sqm	30.90 19.95 31.60
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications. 2 cm premix carpet surfacing with 1.8cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 size respectively, per 100 sqm and 52kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity	sqm sqm sqm	30.90 19.95 31.60
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications. 2 cm premix carpet surfacing with 1.8cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 size respectively, per 100 sqm and 52kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately). 16.40.1 With paving Asphalt grade VG-10 heated and then mixed with	sqm sqm sqm sqm	30.90 19.95 31.60
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications. 2 cm premix carpet surfacing with 1.8cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 size respectively, per 100 sqm and 52kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately). 16.40.1 With paving Asphalt grade VG-10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt.	sqm sqm sqm sqm	30.90 19.95 31.60 20.35
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications. 2 cm premix carpet surfacing with 1.8cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 size respectively, per 100 sqm and 52kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately). 16.40.1 With paving Asphalt grade VG-10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt. 16.40.2 With paving Asphalt grade VG-30 with no solvent.	sqm sqm sqm sqm	30.90 19.95 31.60 20.35
	16.38.1 On W.B.M. @ 0.75 Kg/sqm. Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface and cleaning with mechanical broom. 16.39.1 With rapid setting bitumen emulsion 16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.1.2 On bituminous surface @ 0.25 Kg/sqm. 16.39.2 With medium setting bitumen emulsion 16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm. 16.39.2.2 On bituminous surface @ 0.25 Kg/sqm. Note: Use of item no. 16.39.1 shall be restricted only for sites at sub zero temperature or for emergency applications. 2 cm premix carpet surfacing with 1.8cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 size respectively, per 100 sqm and 52kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately). 16.40.1 With paving Asphalt grade VG-10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt.	sqm sqm sqm sqm	30.90 19.95 31.60 20.35

CODE	16.0 (Road Work)	***	TO 4 (TOTAL)
CODE	DESCRIPTION	UNIT	RATE ∓
NO.			₹
16.41	2.5 cm premix carpet surfacing with 2.25cum and 1.12 cum of stone		
	chippings of 13.2 mm and 11.2mm size respectively per 100 sqm and 52		
	kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and	sqm	269.85
	11.2 mm size respectively including a tack coat with hot straight run	sqm	268.15
	bitumen including consolidation with road roller of 6 to 9 tonne capacity		
	etc. complete (tack coat to be paid for separately).	sqm	266.15
	16.41.1 With paving Asphalt grade VG-10 heated and then mixed with	•	
	solvent at the rate of 70 grams per kg of asphalt.		
	16.41.2 With paving Asphalt grade VG-30 with no solvent.		
	16.41.3 With Refinery Modified Bitumen CRMB 55 conforming to		
	IRC : SP : 53-1999		
16.42			
16.42	2 cm premix carpet surfacing with 2.4cum of stone chippings 11.2 mm		
	nominal size per 100 sqm and bitumen emulsion (medium setting min.		
	65% bitumen content) complying with IS: 8887, using 96 kg per cum of		
	chippings including consolidation with road roller of 6 to 9 tonne capacity		
	etc. complete.	sqm	238.65
16.43	2.5 cm premix carpet surfacing with 3 cum of stone chippings 10 mm		
	nominal size per 100 sqm and bitumen emulsion (medium setting min.		
	65% bitumen contents) complying with IS: 8887, using 96 kg per cum of		
	chippings of road surface including consolidation with road roller etc.		
	complete.	sqm	291.50
16.44	Providing and laying Bitumen Penetration Macadam with hard stone		
	aggregate of quality, size and grading as specified, with bitumen of		
	suitable penetration grade including required key aggregate as specified,		
	spreading coarse aggregate with the help of self propelled/ tipper tail		
	mounted aggregate spreader and applying bitumen by a pressure		
	distributor and then spreading key aggregate with the help of aggregate		
	spreader complete, including consolidation with road roller of minimum 8		
	to 10 tonne capacity to achieve specified values of compaction and		
	surface accuracy.		
	16.44.1 For 50 mm compacted thickness using coarse aggregate of size		
	50-20mm graded @ 0.60 cum per 10 sqm key aggregate of size 12.5 mm		
	graded @ 0.15 cum per 10 sqm. With paving asphalt grade VG-10 @ 50		
	kg/10sqm	sqm	552.15
	16.44.2 For 75 mm compacted thickness in two layers using stone		
	aggregate of size 63-41mm graded @ 0.90 cum per 10 sqm key		
	aggregate of size 20.0 mm graded @ 0.18 cum per 10 sqm with paving		
	asphalt grade VG-10 @ 68 kg/10sqm	sqm	797.40
	MASTIC AND BITUMASTIC BEARING COARSE		
16.45	Providing & laying bitumen mastic wearing course (as per specifications)		
	with industrial bitumen of grade 85/25 conforming to IS: 702, prepared		
	by using mastic cooker & laid to required level and slope, including		
	providing antiskid surface with bitumen pre-coated fine grained hard stone		
	chipping of approved size at the rate of 0.005 cum per 10 sqm& at		
	approximate spacing of 10 cm centre to centre in both directions, pressed		
	into surface protruding 1 mm to 4 mm over mastic surface, including		
	cleaning the surface, removal of debris etc. all complete. (considering		
	bitumen using 10.2% as per MORTH specification)		
	16.54.1 25mm thick	sam	714.05
	16.54.1 23mm thick 16.54.2 40mm thick	sqm	1142.50
16.46		sqm	1142.30
16.46	2.5 cm thick bitumastic sheet with hot bitumen of approved quality using		
	stone chippings (60% 12.5 mm nominal size and 40% with 10 mm		
	nominal size) @ 1.65 cum per 100sqm and coarse sand @ 1.65 cum per		
	100 sqm of road surface and with bitumen @ 56 kg/cum of stone		
	chippings and @ 128 kg/cum of sand over a tack coat with hot straight run		

	16.0 (Road Work)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	bitumen including consolidation with road roller of 8 to 10 tonne etc		
	complete (tack coat to be paid separately).		
	16.46.1 With paving Asphalt grade VG-10 heated and then mixed		
	with solvent at the rate of 70 grams per kg of asphalt.	sqm	370.15
	16.46.2 With paving Asphalt grade VG-30	sqm	367.30
	16.46.3 With Refinery Modified Bitumen CRMB 55 conforming to		
	IRC : SP: 53-1999	sqm	363.90
16.47	4 cm thick bitumastic sheet with hot bitumen of approved quality using		
	stone chippings (60% 12.5 mm nominal size and 40% 10 mm nominal		
	size) @ 2.60 cum per 100 sqm and coarse sand at 2.60 cum per 100 sqm		
	of road surface and with bitumen @ 56 kg/cum of stone chippings and @		
	128 kg/cum of sand over a tack coat with hot straight run bitumen		
	including consolidation with road roller of 8 to 10 tonne etc complete		
	(Tack coat to be paid separately).		
	16.47.1 With paying Asphalt grade VG-10 heated and then mixed		
	with solvent at the rate of 70 grams per kg of asphalt.	sqm	565.00
	16.47.2 With paying Asphalt grade VG-30 with no solvent	sqm	560.50
	16.47.3 With Refinery Modified Bitumen CRMB 55 conforming to	~7***	2 30.30
	IRC: SP: 53-1999	sqm	555.10
	SEAL COAT	oqiii	555.10
16.48	Providing and laying seal coat of premixed fine aggregate (passing 2.36)		
10.40	mm and retained on 180 micron sieve) with bitumen using 128 kg of		
	bitumen of grade VG-10 bitumen per cum of fine aggregate and 0.60 cum		
	of fine aggregate per 100 sqm of road surface including rolling and		101 40
	finishing with road all complete.	sqm	101.40
16.404			
16.48A	Providing and laying seal coat of premixed fine aggregate (passing		
	2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg		
	of bitumen of grade VG-30 bitumen per cum of fine aggregate and		
	0.60 cum of fine aggregate per 100 sqm of road surface including		
	rolling and finishing with road all complete	sqm	102.85
	rolling and finishing with road all complete	sqm	102.85
16.49	rolling and finishing with road all complete Providing and laying seal coat over prepared surface of road with bitumen	sqm	102.85
16.49	rolling and finishing with road all complete Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of	sqm	102.85
16.49	rolling and finishing with road all complete Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone	sqm	102.85
16.49	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm	sqm	102.85
16.49	rolling and finishing with road all complete Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with	-	
16.49	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete.	sqm	102.85 134.085
16.49	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of	-	
16.49	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete.	-	
16.49	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned.	-	
	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS	-	
16.49	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned.	-	
	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS	-	
	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone	-	
	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and	-	
	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation, finishing and	sqm	134.085
	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation, finishing and	sqm	134.085
16.50	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation, finishing and tamping complete.	sqm	134.085
16.50	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation, finishing and tamping complete. Providing and laying design mix cement concrete of M-30 grade, in	sqm	134.085
16.50	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation, finishing and tamping complete. Providing and laying design mix cement concrete of M-30 grade, in roads/taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in	sqm	134.085
16.50	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation, finishing and tamping complete. Providing and laying design mix cement concrete of M-30 grade, in roads/taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria,	sqm	134.085
16.50	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation, finishing and tamping complete. Providing and laying design mix cement concrete of M-30 grade, in roads/taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in	sqm	134.085
16.50	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation, finishing and tamping complete. Providing and laying design mix cement concrete of M-30 grade, in roads/taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface	sqm	134.085
16.50	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG-10 and blinding surface with 0.90 cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete. Note: Seal coat item to be operated only with the prior approval of Chief Engineer concerned. CONCRETE PAVEMENTS Cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation, finishing and tamping complete. Providing and laying design mix cement concrete of M-30 grade, in roads/taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at	sqm	134.085

~~-	16.0 (Road Work)		
CODE	DESCRIPTION	UNIT	RATE ₹
NO.			•
	curing, making provision for contraction/ expansion, construction &		
	longitudinal joints (10 mm wide x 50 mm deep) by groove cutting		
	machine, providing and filling joints with approved joint filler and		
	sealants, complete all as per direction of Engineer-in- charge (Item of		
	joint fillers, sealants, dowel bars with sleeve/ tie bars to ,be paid		
	separately).		
	Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/ less		
	cement used as per design mix is payable/ recoverable separately.		0=04.40
	16.51.1 Cement concrete prepared with batch mixing machine	cum	8782.40
	16.51.2 Cement concrete manufactured in automatic batching plant		
	(RMC plant) i/c transportation to site in transit mixer	cum	9281.45
16.52	Extra for providing and mixing hardening compound of approved quality		
	as per manufacturer's specification in cement concrete.	litre	58.85
16.53	Providing and fixing in position pre-moulded joint filler in expansion	per cm.	3.10
	joints.	depth	
		per cm.	
		width	
		per m.	
4 :		length	2.00
16.54	Providing and laying in position bitumen hot sealing compound for	per cm.	3.80
	expansion joints etc.	depth	
	16.54.1 Using grade 'A' sealing compound.	per cm.	
		width	
		per m.	
	DAINTING DOAD / DUNINAS MADIZINGS	length	
16.55	PAINTING ROAD / RUNWAY MARKINGS Painting runway / taxi track/ apron marking with adequate no. of coats to		
10.55	give uniform finish with road marking paint of superior make as approved		
	by the Engineer-in-charge including cleaning the surface of all dirt, scales,		
	oil, grease and other foreign material etc. and lining out complete.		
	16.55.1 New work (Two or more coats)	sqm	165.25
	16.55.2 Old work (One or more coats)	sqm	105.25
16.56	Painting road surface marking with adequate no. of coats to give uniform	Sqiii	103.70
10.50	finish with read mixed road marking paint conforming to IS: 164, on		
	bituminous surface in white/yellow shade including cleaning the surface		
	of all dirt, scales, oil, grease and foreign material etc. complete.		
	16.56.1 New work (Two or more coats)	sqm	226.60
	16.56.2 Old work (One or more coats)	sqm	148.70
16.57	Making bell mouth opening/ entrance of size 100x50x50 cm for drainage	·· 1	2
_ = '	pipe under footpath, including providing cement concrete 1:3:6 (1cement :		
	3 coarse sand : 6 graded stone aggregate 20 mm nominal size) for shape of		
	bell mouth, including plastering providing and fixing precast R.C.C./		
	S.F.R.C. slab including plastering with cement mortar 1:3 (1 cement : 3		
	fine sand) of 6 mm thickness on exposed surface of the slab and bell		
	mouth including centring, shuttering & neat cement punning inside the		
	bell mouth etc. all complete.	each	2482.30
16.58	Providing and fixing Glow studs of size 100x20mm made of heavy duty		
	body shall be moulded ASA (Acrylic styrene Acryloretrite) or HIP (High		
	impact Polystyrene) or ABS having electronically welded micro-prismatic		
	lens with abrasion resistant coating as approved by Engineer-in-charge.		
	The Glow stud shall support a load of 13635 kg tested in accordance with		
	ASTM D4280. The slope of retro-reflective surface shall be 35 +/- 5		
	degrees to base. The reflective panels on both sides with at least 12cm of		
	reflective area up each side. The luminance intensity should be as per the		
	specification and shall be tested as described in ASTM I: 809 as		
	1 4	<u>I</u>	<u> </u>

16.60 16.61	recommended in BS: 873 part 4: 1973. The studs shall be fixed to the road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge. Preparation of sub-base road pavement with commercial dry lime (slaked), fly ash stabilised soil with a mix of 3% lime, 12% fly ash and 85% local suitable soil by weight, so as to achieve minimum field C.B.R. of 20, including mixing, rolling with road roller curing etc. all complete. 16.59.1 Minimum thickness 15 cm Providing and fixing precast lime fly ash concrete blocks 1:2:3:6 (1 lime: 2 fly ash: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size), including finishing with 10mm thick cement mortar 1:3 (1 cement: 3 coarse sand) in foot paths, including preparation of sub grade with a hand rammer, laying 10 mm thick leveling course of fine sand and filling the joints with fine sand. Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 meter openable length (total length 90m), having 50 nos rounds per 6 meter length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile	cum	RATE ₹ 173.15 NA NA
16.59	road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge. Preparation of sub-base road pavement with commercial dry lime (slaked), fly ash stabilised soil with a mix of 3% lime, 12% fly ash and 85% local suitable soil by weight, so as to achieve minimum field C.B.R. of 20, including mixing, rolling with road roller curing etc. all complete. 16.59.1 Minimum thickness 15 cm Providing and fixing precast lime fly ash concrete blocks 1:2:3:6 (1 lime: 2 fly ash: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size), including finishing with 10mm thick cement mortar 1:3 (1 cement: 3 coarse sand) in foot paths, including preparation of sub grade with a hand rammer, laying 10 mm thick leveling course of fine sand and filling the joints with fine sand. Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 meter openable length (total length 90m), having 50 nos rounds per 6 meter length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile	cum	173.15 NA
16.60	Preparation of sub-base road pavement with commercial dry lime (slaked), fly ash stabilised soil with a mix of 3% lime, 12% fly ash and 85% local suitable soil by weight, so as to achieve minimum field C.B.R. of 20, including mixing, rolling with road roller curing etc. all complete. 16.59.1 Minimum thickness 15 cm Providing and fixing precast lime fly ash concrete blocks 1:2:3:6 (1 lime: 2 fly ash: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size), including finishing with 10mm thick cement mortar 1:3 (1 cement: 3 coarse sand) in foot paths, including preparation of sub grade with a hand rammer, laying 10 mm thick leveling course of fine sand and filling the joints with fine sand. Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 meter openable length (total length 90m), having 50 nos rounds per 6 meter length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile		NA
	suitable soil by weight, so as to achieve minimum field C.B.R. of 20, including mixing, rolling with road roller curing etc. all complete. 16.59.1 Minimum thickness 15 cm Providing and fixing precast lime fly ash concrete blocks 1:2:3:6 (1 lime: 2 fly ash: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size), including finishing with 10mm thick cement mortar 1:3 (1 cement: 3 coarse sand) in foot paths, including preparation of sub grade with a hand rammer, laying 10 mm thick leveling course of fine sand and filling the joints with fine sand. Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 meter openable length (total length 90m), having 50 nos rounds per 6 meter length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile		
	Providing and fixing precast lime fly ash concrete blocks 1:2:3:6 (1 lime: 2 fly ash: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size), including finishing with 10mm thick cement mortar 1:3 (1 cement: 3 coarse sand) in foot paths, including preparation of sub grade with a hand rammer, laying 10 mm thick leveling course of fine sand and filling the joints with fine sand. Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 meter openable length (total length 90m), having 50 nos rounds per 6 meter length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile	cum	
16.61	including finishing with 10mm thick cement mortar 1:3 (1 cement : 3 coarse sand) in foot paths, including preparation of sub grade with a hand rammer, laying 10 mm thick leveling course of fine sand and filling the joints with fine sand. Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 meter openable length (total length 90m), having 50 nos rounds per 6 meter length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile	cum	NA
16.61	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 meter openable length (total length 90m), having 50 nos rounds per 6 meter length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile	cum	NA
16.61	coil 600 mm dia 10 meter openable length (total length 90m), having 50 nos rounds per 6 meter length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile		
	strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ meter (cost of M.S. angle, C.C. blocks shall be paid separately)	meter	305.80
16.62	Providing and laying Dense Graded Bituminous Macadam using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge. 16.62.1 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @5% (percentage by weight of total mix) and lime filler @2% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity. 16.62.2 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @5% (percentage by weight of total mix) and lime filler @2% (percentage by weight of Aggregate) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.	cum	11968.50 11962.30
16.63	Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge. 16.63.1 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.5% (percentage by weight of total mix) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity. 16.63.1A 50 to 100 mm average compacted thickness with bitumen of grade VG-10 @ 3.5% (percentage by weight of total mix) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	Cum	8740.75 8596.80

CODE	DESCRIPTION 16.0 (Road Work)	UNIT	RATE
NO.	DEDUKII HON	01111	KA1E ₹
NO.	16.63.2 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.5% (percentage by weight of total mix) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity	cum	8734.85
	16.63.2 A 50 to 100 mm average compacted thickness with bitumen of grade VG-10 @ 3.5% (percentage by weight of total mix) prepared in Drum Type Het Mix Plant of 60,00 TBH capacity.		9500.05
16.64	in Drum Type Hot Mix Plant of 60-90 TPH capacity.	cum	8590.95
16.64	Providing and laying semi- dense Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge. 16.64.1 25 mm compacted thickness with bitumen of grade VG- 30 @5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix		
	Plant of 100-120 TPH capacity. 16.64.1A 25 mm compacted thickness with bitumen of grade VG- 10 @5% (percentage by weight of total mix) and lime filler @ 2%	Sqm	298.70
	(percentage by weight of Aggregate) prepared in Batch Type Hot Mix		
	Plant of 100-120 TPH capacity. 16.64.2 25 mm compacted thickness with bitumen of grade VG- 30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage	sqm	293.25
	by weight of Aggregate) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity. 16.64.2A 25 mm compacted thickness with bitumen of grade VG-	sqm	298.50
	10 @ 5% (percentage by weight of total mix) and lime filler @ 2%		
	(percentage by weight of Aggregate) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.	cam	293.10
16.65	Providing and laying Bituminous concrete using crushed stone aggregates	sqm	293.10
10.05	of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve		
	the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge. 16.65.1 40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3%		
	(percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity. 16.65.2 40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) and waste plastic additive @8% (percentage by weight of bitumen) prepared in Batch Type Hot Mix Plant	cum	13187.00
	of 100- 120 TPH capacity. 16.65.3 40/50 mm compacted thickness with bitumen of grade PMB-	cum	13741.75
	40 @5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity. 16.65.4 40/50 mm compacted thickness with bitumen of grade CRMB-60 @5.5% (percentage by weight of total mix) and lime filler @	cum	16050.40
	3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity. 16.65.5 40/50 mm compacted thickness with bitumen of grade VG-30 @5.5% (percentage by weight of total mix) and lime filler @ 3%	cum	12677.25

~~~~	16.0 (Road Work)		
CODE	DESCRIPTION	UNIT	RATE <b>₹</b>
NO.			₹
	(percentage by weight of Aggregate) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.  16.65.6 40/50 mm compacted thickness with bitumen of grade VG-30 @5.5% (percentage by weight of total mix) and lime filler @ 3%	cum	13180.70
	(percentage by weight of Aggregate) and waste plastic additive @8% (percentage by weight of bitumen) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.  16.65.7 40/50 mm compacted thickness with bitumen of grade PMB-40 @5.5% (percentage by weight of total mix) and lime filler @	cum	13735.45
	3% (percentage by weight of Aggregate) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.  16.65.8 40/50 mm compacted thickness with bitumen of grade CRMB-	cum	16044.10
	60 @5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.	cum	12670.95
16.66	Manufacturing supplying and fixing retro reflective sign boards made up	Cuili	12070.70
10.00			
	of 2mm thick aluminum sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type-IV of ASTM-D-4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC: 67-2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminum alloy rivets @ 20cm c/c to back support frame of M.S. angle iron of size 25x25x3mm along with theft resistant measures mounted and fixed with 2 nos. M.S. angles of size 35x35x5mm to a vertical post made upto M.S. Tee section ISMT 50x50x6mm welded with base plate of size 100x100x5mm at the bottom end and including making holes in pipes, angle flats, providing and fixing M.S. message plate of required size steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand & manufacture over		
	priming coat of zinc chromate yellow primer (vertical M.STee support to be painted in black and white colours). Backside of aluminum sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coats including all leads and lifts etc. complete as per drawing, specification and direction of Engineer-in-charge.  16.66.1 Mandatory/Regulatory sign boards of 900 mm diameter with	each	6885.35
	part as length of 3750 mm.  16.66.2 Cautionary/warning sign boards of equilateral triangular shape	each	0005.55
	having each side of 900 mm support length of 3650mm.	each	5237.85
16.67	Manufacturing supplying and fixing retro reflective overhead signage boards made up of 2mm thick aluminum sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting conforming to type-III of ASTM-D-4956-01 as approved by Engineer-in-charge; letters, borders etc. as per IRC: 67-2001 in silver white with blue colour background and with high intensity grade, pasted on substrate by pressure sensitive adhesive backing which shall be activated by applying pressure conforming to class -II of ASTM-D-4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminum alloys, rivets or bolts and nuts @ 300mm c/c all along the periphery as well as in two vertical rows along with theft resistant measures including the cost of painting with two or more coats of epoxy paint in grey colour on the back side of aluminum sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing		

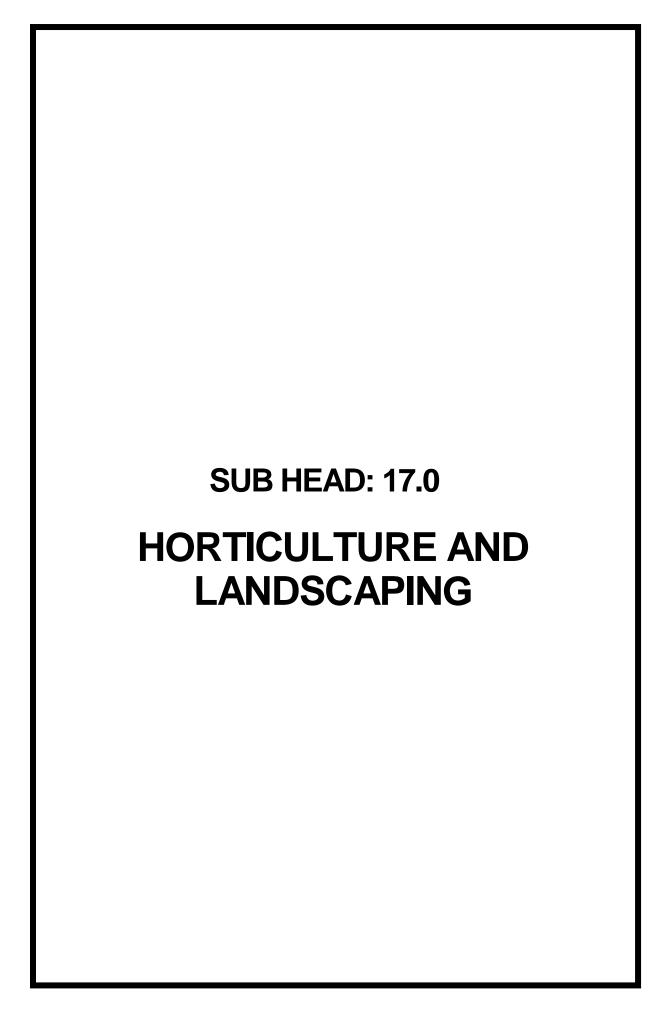
CODE	DESCRIPTION 16.0 (Road Work)	UNIT	RATE
NO.	BESCHI HON	CIVII	₹
1101	and erecting the same in position all complete as per drawing, specification and direction of Engineer-in-charge (Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment).  16.67.1 Overhead informatory road signage.	sqm	6016.65
16.68	Providing Retro-reflective regulatory sign board of size 900mm diameter made out of 2mm thick aluminum sheet, face to be fully covered with high intensity encapsulated lens type retro-reflective sheeting as approved by Engineer-in-charge. Letter, symbols, borders, etc. will be as per IRC:67 with required colour scheme on the boards and with the high intensity grade A. the aluminum sheet to be riveted to M.S. frame of angle iron of size 40x40x4mm. The boards will be fixed to 1 No. 50x50mm square post made of M.S. angle 50x50x4mm, 4m long welded to the frame with adequate anti-theft arrangement. Sheet work to be painted with two or more coats of synthetic enamel paint over an under coat (primer) and back side of aluminum sheet to be painted with two or more coats of epoxy paint including appropriate priming coat complete in all respects as per directions of Engineer-in-charge.	sam	7748.00
16.69	Providing and applying 2.5mm thick road marking strips (retro-reflective) of specified shade/colour using hot thermoplastic material by fully/semi-automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and	sqm	7740.00
	accordance with applicable specifications.	sqm	638.90
16.70	Providing, laying and making kerb channel 30cm wide and 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth etc. complete as per direction of Engineer-incharge.	sqm	518.20
16.71	Providing and laying 75mm thick compacted bed of dry brick aggregate 40mm thick nominal size including spreading, well rammed, consolidated and grouted with fine sand including finishing smooth etc. complete as per		
16.72	direction of Engineer-in-charge  Providing and fixing post delineators made of ABS round body fitted with 2nos. 100mm dia high reflective and reflectors and mounted on M.S. pipe of 65mm dia duly powder coated with anti-rust and anti-theft steel to be installed as per direction of Engineer-in-charge.	each	893.05
16.73	Providing and fixing at or near ground level factory made RCC pavement slab of M-30 grade of size 450x450x50 mm, including reinforcement with 6 mm dia M.S. bars 4 nos on each side, including setting in position in footpath to the required level and line over a bed of 20 mm average thick cement mortar 1:5 (1 cement : 5 coarse sand), having joint thickness not more than 5mm except on curve, including filling of joints with same cement mortar and making grooves etc. complete as per direction of Engineer-in-charge.	sqm	1258.35
16.74	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction and of approved size and design/shape laid in required colour and pattern over and including 50mm thick compacted bed of fine sand, filling the joints with coarse sand etc. all complete as per direction of Engineer-in-charge.	sqm	816.15

	16.0 (Road Work)	1	
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
16.75	Providing and laying at or near ground level factory made kerb stone of		
	M-25 grade cement in position to the required line, level and curvature		
	jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including		
	making joints with or without grooves (thickness of the joints except at		
	sharp curve shall not to be more than 5mm) including making drainage		
	opening wherever required complete etc. as per direction of Engineer-in-		
	charge (length of finished kerb edging shall be measured for payment).		
	(Precast C.C. kerb stone shall be approved by Engineer-in-charge).	cum	8563.50
16.76	Supplying & stacking of hard stone (for stone pitching) 22.5cm thick at		
	site.	cum	936.55
16.77	Dry stone pitching 22.5cm thick laid in courses required profile with		7 5 5 10 5
10.77			
	hammer dressed stone having no side less than 15cm, with minimum		
	depth of 20cm including preparing the bedding surface etc. all complete		
	(Payment for stone to be made separately).	sqm	503.00
16.78	75mm thick back filling for pitching including supplying of required		
	materials and consolidation etc. complete with:		
	16.78.1 Moorum	sqm	63.40
	16.78.2 Stone aggregate 20mm nominal size	sqm	106.55
	16.78.3 Stone aggregate 40mm nominal s	_	106.55
46.50		sqm	100.55
16.79	Providing and laying C.C. pavement of mix M-25 with ready mixed		
	concrete from batching plant. The ready mixed concrete shall be laid and		
	finished with screed board vibrator, vacuum dewatering process and		
	finally finished by floating, brooming with wire brush etc. complete as per		
	specifications and directions of Engineer-in-charge. (The panel shuttering		
	work shall be paid for separately).	cum	8850.60
	Note: Cement content considered in this item is 303 kg/ cum		
	Excess/less cement used as per design mix is payable/recoverable		
	separately		
16.80	Deduct for using of M-20 grade concrete instead of M-25 grade concrete		
	in C.C. pavement.	cum	266.70
16.81	Scarifying the existing bituminous road surface to a depth of 50mm and		
	disposal of scarified material within all lifts and lead upto 1 km (by		
	mechanical means).	sqm	5.55
16.82	Construction of granular sub-base by providing close graded Material	Sqiii	3.33
10.62			
	conforming to specifications, mixing in a mechanical mix plant at OMC,		
	carriage of mixed material by tippers to work site, for all leads & lifts,		
	spreading in uniform layers of specified thickness with motor grader on		
	prepared surface and compacting with vibratory power roller to achieve		
	the desired density, complete as per specifications and directions of		
	Engineer-in-Charge.		
	16.82.1 With material conforming to Grade-I (size range 75 mm to		
	0.075 mm) having CBR Value-30		1880.30
		cum	1000.30
	16.82.2 With material conforming to Grade-II (size range 53 mm to		
	0.075 mm ) having CBR Value-25	cum	1883.50
	16.82.3 With material conforming to Grade-III (size range 26.5 mm to		
	0.075 mm ) having CBR Value-20	cum	1883.50
16.83	Providing, laying, spreading and compacting graded stone aggregate (size		
	range 53 mm to 0.075 mm ) to wet mix macadam (WMM) specification		
	including premixing the material with water at OMC in mechanical mix		
	plant, carriage of mixed material by tipper to site, for all leads & lifts,		
	laying in uniform layers with mechanical paver finisher in sub- base / base		
	course on well prepared surface and compacting with vibratory roller of 8		
	to 10 tonne capacity to achieve the desired density, complete as per		
	specifications and directions of Engineer-in-Charge	cum	1885.95
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CODE	16.0 (Road Work)	TINITE	DATE
CODE	DESCRIPTION	UNIT	RATE ₹
NO.	Construction of dry loop coment consists sub-base seems a managed and		•
16.84	Construction of dry lean cement concrete sub base over a prepared sub-		
	grade with coarse and fine aggregate conforming to IS:383, the size of		
	coarse aggregate not exceeding 25 mm, aggregate cement ratio not to		
	exceed 15:1, aggregate gradation after blending to be as per specifications,		
	cement content not to be less than 150 Kg/cum, optimum moisture content		
	to be determined during trial length construction, concrete strength not to		
	be less than 10 Mpa at 7 days, mixed in a batching plant, transported to		
	site, for all leads & lifts, laid with a mechanical paver, compacting with 8-		
	10 tonne vibratory roller, finishing and curing etc. complete as per		
	direction of Engineer-in-charge.	cum	3229.80
16.85	Providing and erecting 2.00 metre high temporary barricading at site; each		
	panel of size 2.50mx2.00m made of 40x40x6mm angle iron or		
	50x50x3mm hollow MS tube posts/horizontal members/bracings covered		
	with 1.63mm thick MS sheet. The sheet shall be fixed with 30x5mm MS		
	flat by suitable welding/riveting. The panels shall be made so that gap of		
	50cm above the ground is available making overall height as 2.5m. MS		
	channel ISLC75 @ 5.70 kg/m, 50cm long shall be provided at the bottom		
	having oval shaped holes of size 50x25mm at both ends with 50cm long		
	MS angle 40x40x6mm bracing. Suitable arrangement shall be made to fix		
	the barricading to avoid from overturning by providing 250mm long		
	expansion fasteners at both ends. The work shall be executed as per		
	drawing/direction of Engineer-in-Charge which includes writing and		
	painting, arrangement for traffic diversion such as traffic signals during		
	construction at site for day and night, glow lamps, reflective signs,		
	marking, flags, caution tape as directed by the Engineer-in-Charge. The		
	barricading provided shall be retained in position at site continuously i/c		
	shifting of barricading from one location to another location as many		
	times as required during the execution of the entire work till its		
	completion. Rate include its maintenance for damages, painting, all		
	incidentals, labour materials, equipments and works required to execute		
	the job. The barricading shall not be removed without prior approval of		
	Engineer-in-Charge.	meter	2912.20
	( <b>Note:</b> - One time payment shall be made for providing barricading from		
	start of work till completion of work i/c shifting. The barricading provided		
	shall remain to be the property of the contractor on completion of the		
	work).		
16.86	Taking out existing kerb stones of all types from footpath/ central verge,		
	including removal of mortar etc., disposal of unserviceable material to the		
	dumping ground, for which payment shall be made separately and		
	stacking of serviceable material within 50 meter lead as per direction of		
	Engineer-in-Charge.	meter	27.80
16.87	Taking out existing CC interlocking paver blocks from footpath/ central		
	verge, including removal of rubbish etc., disposal of unserviceable		
	material to the dumping ground, for which payment shall be made		
	separately and stacking of serviceable material within 50 meter lead as per		
	direction of Engineer-in-Charge.	sqm	93.40
16.88	Laying old cement concrete interlocking paver blocks of any design/	1	
	shape laid in required line, level, curvature, colour and pattern over and		
	including 50 mm thick compacted bed of coarse sand, filling the joints		
	with fine sand etc. all complete as per the direction of Engineer-in- charge.		
	said etc. an complete as per the direction of Engineer in charge.	sqm	280.95
16.89	Laying at or near ground level old kerb stones of all types in position to	oq	200.73
10.07	the required line, level and curvature, jointed with cement mortar 1:3 (1)		
	cement: 3 coarse sand), including making joints with or without grooves		
	(thickness of joints, except at sharp curve, shall not be more than 5 mm),		
	(unexhess of joints, except at sharp curve, shari not be more than 3 min),		

	16.0 (Road Work)	Ι	
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	including making drainage opening wherever required etc. complete as per		
	direction of Engineer-in-charge. (Length of finished kerb edging shall be		
	measured for payment).	meter	87.05
16.90	Providing and laying gang saw cut of specified thickness, mirror polished		
	pre- moulded and pre polished machine cut granite stone of required size		
	and shape of approved shade, colour and texture in footpath, flooring cut		
	granite stone of required size and shape of approved shade, colour and		
	texture in footpath, flooring in road side plazas and similar locations, laid		
	over 20mm thick base of cement mortar 1:4 (1cement : 4 coarse sand)		
	including grouting the joints with white cement mixed with matching		
	pigment, epoxy touch ups etc. complete as per direction of Engineer-in-		
	Charge.		
	16.90.1 18 mm thick	sqm	4132.45
	16.90.2 30 mm thick	sqm	4272.95
16.91	Providing and laying matt finished vitrified tile of specified size having	1	
	water absorption less than 0.5% and conforming to IS: 15622 of approved		
	make in all colours and shades in outdoor floors such as footpath, court		
	yard multi models etc., laid on 20mm thick base of cement mortar 1:4		
	(1cement: 4 coarse sand) in all shapes & patterns including grouting the		
	joints with white cement mixed with matching pigments etc. complete as		
	direction of Engineer-in-Charge.		
	16.91.1 100x100x16 mm	sqm	1962.25
	16.91.2 300x300x9.8 mm	sqm	1293.30
16.92	Providing and laying tactile tile (for vision impaired persons as per	sqiii	1275.50
10.92			
	standards) of size 300x300x9.8mm having with water absorption less than		
	0.5% and conforming to IS: 15622 of approved make in all colours and		
	shades in for outdoor floors such as footpath, court yard, multi modals		
	location etc., laid on 20mm thick base of cement mortar 1:4 (1cement : 4		
	coarse sand) in all shapes & patterns including grouting the joints with		
	white cement mixed with matching pigments etc. complete as per		1070.05
16.02	direction of Engineer-in-Charge.	sqm	1962.25
16.93	Providing and laying factory made chamfered edge Cement Concrete		
	paver blocks in footpath, parks, lawns, drive ways or light traffic parking		
	etc, of required strength, thickness & size/ shape, made by table vibratory		
	method using PU mould, laid in required colou r& pattern over 50mm		
	thick compacted bed of sand, compacting and proper embedding/laying of		
	inter locking paver blocks into the sand bedding layer through vibratory		
	compaction by using plate vibrator, filling the joints with sand and cutting		
	of paver blocks as per required size and pattern, finishing and sweeping		
	extra sand complete all as per direction of Engineer-in-Charge.		
	16.93.1 60mm thick cement concrete paver block of M-35 grade with		
	approved colour, design & pattern.	sqm	875.95
16.94	Providing and laying factory made chamfered edge Cement Concrete		
	paver blocks in footpath, parks, lawns, drive ways or light traffic parking		
	etc, of required strength, thickness & size/ shape, made by table vibratory		
	method using PU mould, laid in required colour & pattern over 50mm		
	thick compacted bed of sand, compacting and proper embedding/laying of		
	inter locking paver blocks into the sand bedding layer through vibratory		
	compaction by using plate vibrator, filling the joints with sand and cutting		
	of paver blocks as per required size and pattern, finishing and sweeping		
	extra sand complete all as per direction of Engineer-in-Charge.		
	16.94.1 80 mm thick C.C. paver block of M-30 grade with approved		
	color design and pattern.	sqm	929.85
16.95	Providing and fixing 10x10x7.50 cm Granite stone block hand cut and	*	
	chisel dressed on top, for paving in floors, drains etc. laid over 20mm		
	226	<u> </u>	

CODE	16.0 (Road Work)	T 13 177	TO 4 (TOTAL)
CODE	DESCRIPTION	UNIT	RATE ₹
NO.			`
	thick base mortar 1:4 (1cement:4 coarse sand) with joints 10mm wide		
	filled with same mortar including ruled pointing etc. complete as per		
	direction of engineer-in charge.	sqm	1814.15
16.96	Providing and placing in position 100mm thick factory made machine		
	batched and machine mixed Precast RCC Rectangular Covers on drains of		
	footpath of various sizes, of M-25 grade cement concrete for RCC work,		
	including cost of centering, shuttering, reinforcement of 8mm dia TMT		
	bars of Fe 500 grade @ maximum 100mm c/c on both ways, neat cement		
	punning on finished surface, properly encased on all edges with 1.6 mm		
	thick, 100mm wide MS sheet duly painted over priming coat,		
	reinforcement to be welded at edges with MS sheet and providing 2 Nos.		
	12 mm dia bar for hooks etc i/c cost of cartage ,all leads & lift, handling at		
	site etc. all complete as per direction of Engineer-in-Charge.	sqm	3681.60
16.97	Excavating holes upto 0.10 cum, including getting out the excavated soil,		
	then returning the soil as deported in layers not exceeding 20 cm in depth,		
	including consolidating and deposited layer by ramming watering etc.,		
	disposing of surplus excavated soil as directed with in a lead of 50 mm		
	and lift upto 1.5 m.		
	16.97.1 All kind of soil	each	27.80
16.98	Providing & making Gabion structure with Mechanically Woven Double		
	Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS		
	16014:2012,MORTH Clause 2500, of required size, Mesh Type 10x12		
	(D=100 mm with tolerance of $\pm$ 2%) Zinc coated, Mesh wire diameter		
	3.0mm, mechanically edged/selvedged with partitions at every 1m interval		
	and shall have minimum 10 numbers of openings per meter of mesh		
	perpendicular to twist, tying with lacing wire of diameter 2.2mm, supplied		
	@ 3% by weight of Gabion boxes, filled with boulders with least		
	dimension of 200 mm, as per drawing, all complete as per direction of		
	Engineer-in-charge.	cum	3093.30
16.99	Providing & making Gabion structure with Mechanically Woven Double		
	Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS		
	16014:2012,MORTH Clause 2500, of required size, Mesh Type		
	$10x12(D=100 \text{ mm with tolerance of } \pm 2\%)$ Zinic+PVC coated, Mesh wire		
	diameter 2.7/3.7 mm, mechanically edged/selvedged with partitions at		
	every 1m interval and shall have minimum 10 numbers of openings per		
	meter of mesh perpendicular to twist, tying with lacing wire of diameter		
	2.2/3.2mm (ID/OD), supplied @3% by weight of Gabion boxes, filled		
	with boulders with least dimension of 200 mm, as per drawing, all		
	complete as per directions of Engineer-in-charge.	cum	3350.85
16.100	Providing & making Gabion structure with Mechanically Woven Double		
	Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS		
	16014:2012,MORTH Clause 2500, of required size, Mesh Type		
	10x12(D=100 mm with tolerance of ±2%), Zinic+10% Al alloy+PVC		
	coated, Mesh wire diameter 2.7/3.7mm (ID/OD), mechanically edged/		
	selvedged with partitions at every 1m interval and shall have minimum 10		
	numbers of openings per meter of mesh perpendicular to twist, tying with		
	lacing wire of diameter 2.2/3.2mm(ID/OD), supplied @3% by weight of		
	Gabion boxes, filled with boulders with least dimension of 200 mm, as per		
	drawing, all complete as per directions of Engineer-in-charge.	cum	3829.20

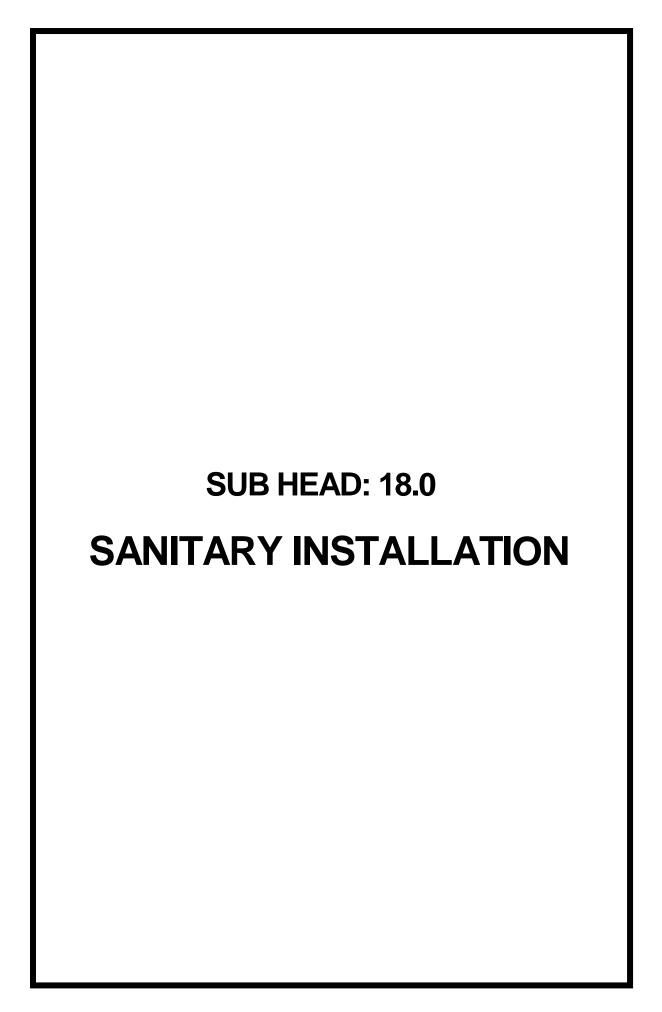


CODE	17.0 (Horticulture and Landscaping)  DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	UNII	KAIE
17.1	Trenching in ordinary soil upto a depth of 60 cm including removal and		
	stacking of serviceable materials and then disposing off by spreading and		
	neatly leveling within a lead of 50 m and making up the trenched area to		
	proper levels by filling with earth or earth mixed with sludge or/and		
	manure before and after flooding trench with water (excluding cost of		
	imported earth, sludge or manure)	cum	79.35
17.2	Supplying and stacking of good earth at site including royalty (earth		
	measured in stacks will be reduced by 20% for payment)	cum	281.30
17.3	Supplying & stacking sludge at site including royalty (sludge measured		
	in stakes will be reduced by 8 % for payment.	cum	NA
17.4	Supplying and stacking at site dump manure from approved source		
	including carriage complete (manure measured in stacks will be reduced		
	by 8% for payment)		
	17.4.1 Screened through sieve of I.S. designation 20 mm	cum	68.30
	17.4.2 Screened through sieve of I.S. designation 16 mm	cum	105.30
	17.4.3 Screened through sieve of I.S. designation 4.75 mm	cum	134.90
17.5	Rough dressing of the trenched ground including breaking clods.	100 Sqm	152.75
17.6	Uprooting weeds from the trenched area after 10 to 15 days of its		
	flooding with water including disposal of uprooted vegetation	100 Sqm	497.45
17.7	Fine dressing of the ground	100 Sqm	374.40
17.8	Spreading of sludge, dump manure or/and good earth in required		
	thickness as per directions of officer in-charge (cost of sludge, dump		
	manure or/and good earth to be paid separately)	cum	53.55
17.9	Mixing earth and sludge or manure in proportion specified or directed by		
	officer in charge.	cum	37.00
17.10	Grassing with selection no. 1 grass including watering & maintenance of		
	the lawn for 30 days or more till the grass forms a thick lawn free from		
	weeds & fit for mowing including supplying of good earth if needed (the		
	good earth shall be paid separately.)		
	17.10.1 In rows 5 cm apart in either direction	100 Sqm	1798.30
	17.10.2 In rows 7.5 cm apart in either direction	100 Sqm	1176.80
	17.10.3 In rows 15 cm apart in either direction	100 Sqm	577.50
	17.10.4 with grass turf	100 Sqm	1354.40
17.11	Renovating lawns including weeding, cheeling the grass, forking the		
	ground, top dressing with sludge or manure mixing the same with forked		
	soil, watering and maintaining the lawn for 30 days or more till the grass		
	forms a thick lawn free from weeds & fit for mowing & disposal of		
	rubbish as directed, including supplying good earth if needed but		
	excluding the cost of sludge or manure (the good earth shall be paid		
	separately.)	100 Sqm	3486.55
17.12	Uprooting rank vegetation and weeds by digging the area to a depth of		
	60 cm removing all weeds and other growth with roots by forking		
	repeatedly, breaking clods, rough dressing, flooding with water,		
	uprooting fresh growths after 10 to 15 days and then fine dressing for		
	planting new grass, including disposal of all rubbish with all leads and		
	lifts	100 Sqm	6182.30
17.13	Preparation of beds for hedging and shrubbery by excavating 60 cm deep	1	
17.13			
17.10	and trenching the excavated base to a further depth of 30 cm, refilling the		
17.10	and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking the clods and mixing with sludge or		
17,10	excavated earth after breaking the clods and mixing with sludge or		
1,,10			

	17.0 (Horticulture and Landscaping)	T	
CODE NO.	DESCRIPTION	UNIT	RATE ₹
NO.	necessary, watering and finally fine dressing, leveling etc. including stacking & disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50 mtr. and lift upto 1.5 mtr. complete (cost of sludge, manure or extra earth to be paid for separately)	cum	225.65
17.14	Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 part of stacked volume of earth after reduction by 20% :1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish & surplus earth, if any with all leads & lifts (cost of sludge, manure or extra good earth, if needed, to be paid for separately) 17.14.1 Holes 1.2 mtr dia & 1.2 mtr deep 17.14.2 Holes 90 cm dia & 90 cm deep 17.14.3 Holes 60 cm dia & 60 cm deep 17.14.4 Holes 45 cm dia & 45 cm deep	each each each each	933.50 394.80 119.30 50.10
17.15	Half brick circular tree guard bricks, internal diameter 1.25 mtr and height 1.2 mtr above ground and 0.20 mtr below ground bottom 2 courses laid dry and top three courses in cement mortar 1:6(1 cement: 6 fine sand) and the intermediate courses being in dry honey comb masonry as per design complete: 17.15.1 With Common burnt clay (non modular) bricks of class designation 5.0	each	NA
17.16	Providing and fixing M.S. flat iron tree guard 60 cm dia. and 2 m high above ground level formed of 4 nos. 25x6 mm, 2.25m long and 8 nos. 25x3 mm 2 m long vertical M.S. flats riveted to 3 nos.25x6 mm MS flat iron rings in two halves, fixed together at site with required 6 no. of 8 mm dia. and 30 mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of primer. One name plate of 1 mm thick M.S. sheet of size 250x100 mm shall be welded to the tree guard near the middle height and lettered CPWD/PWD/any other approved name The tree guard shall be suitably fixed to the ground by embedding four legs of the tree guard in pits of suitable dia. and to a depth of 25 cm, refilling the pits with soil and ramming, complete in all respect as per satisfaction on direction of Officer-in-charge	each	6169.85
17.17	Making tree guard 53 cm dia & 1.3 m high as per design from empty coal tar drums supplied free by the department including providing and fixing two nos. MS sheet rings 50x0.5mm with rivets complete in all respects including painting inside and outside of tree guard with 17.17.1 A coat of coal tar 17.17.2 Two or more coats of ready mixed synthetic enamel paint of approved quality and shade over a priming coat	each each	437.15 728.75
17.18	Making tree guard 53 cm dia& 2.0 m high as per design from empty coal tar drums supplied free by the department including providing and fixing 4 legs 40 cm long of 30x3 mm MS flat riveted to tree guard & providing and fixing two nos. MS sheet rings 50x0.5mm with rivets complete in all respects including painting inside and outside of tree guard with 17.18.1 A coat of coal tar 17.18.2 Two or more coats of ready mixed synthetic enamel paint of approved quality & shade over a priming coat	each	842.95 1292.50

ac=	17.0 (Horticulture and Landscaping)	T 13 1	B :
CODE	DESCRIPTION	UNIT	RATE ∓
NO. 17.19	Edging with bricks laid dry length wise including excavation, refilling,		₹
17.19	consolidating with hand packing and spreading neatly surplus earth		
	within a lead of 50 m:		
	17.19.1 Common burnt clay (non modular) bricks of class designation		
	7.5.	meter	59.60
17.20	Filling mixture of earth and sludge or manure in the desired proportion in		
	trenches, flooding with water and leveling (cost of supplying earth and		
	sludge or manure and mixing excluded)	cum	18.50
17.21	Excavation in dumped stones or malba including stacking of		
	serviceable and unserviceable material separately and disposal of		
	unserviceable material lead upto 50 m and lift upto 1.5 m, disposed		
	material to be neatly dressed	cum	517.90
17.22	Excavation in bajri path including stacking of serviceable and		
	unserviceable material separately and disposal of unserviceable material	cum	577.10
17.23	lead upto 50 m and lift upto 1.5 m, disposed material to be neatly dressed Excavation in water bound macadam road including stacking of	cum	3//.10
11.43	serviceable and unserviceable material separately and disposal of		
	unserviceable material lead upto 50 m and lift upto 1.5 m, disposed		
	material to be neatly dressed	cum	710.30
17.24	Flooding the ground with water including making kiaries and		
17,42	dismantling the same	100 Sqm	245.80
17.25	Supplying and stacking of well decayed cow dung manure at site	1	
	including royalty (cow dung manure measured in stacks will be reduced		
	by 8% for payment)	cum	334.50
17.26	Providing and fixing M.S tree guard 45 cm square in plan, height 1.20		
	meter above ground level and 0.40 meter below ground level. The		
	vertical members shall consist of four nos. angle iron of size 25x25x3		
	mm, 1.6 m long, one at each corner and 8 nos flat iron of size 25x3 mm,		
	1.2 m long. The vertical members shall be welded to 4 nos. 25x6 mm		
	M.S flats placed horizontally around the vertical members of the cage.		
	One name plate of 1 mm thick M.S sheet of size 250x100 mm shall be		
	welded to the tree guard near the middle height and lettered CPWD		
	/PWD/any other approved name. The tree guard shall be fixed to the ground by making suitable holes and by embedding four corners leg in		
	the ground, including refilling the earth, compaction etc. complete. The		
	tree guard shall be painted with two more coats of synthetic enamel		
	paint of approved brand and or more coats of synthetic enamel paint of		
	approved brand and manufacture over a coat of primer complete	each	3231.55
17.27	Providing and fixing M.S tree guard 50 cm square in plan, height 1.40		
	meter above ground level and 0.50 meter below ground level. The		
	vertical members shall consist of four nos. angle iron of size 25x25x5		
	mm, 1.9 m long, one at each corner and 8 nos flat iron of size 25x5 mm,		
	1.4 m long. The vertical members shall be welded to 4 nos. 25x6 mm		
	M.S flats placed horizontally around the vertical members of the cage.		
	One name plate of 1 mm thick M.S sheet of size 250x100 mm shall be		
	welded to the tree guard near the middle height and lettered		
	CPWD/PWD/any other approved name. The tree guard shall be fixed to the ground by making suitable holes and by embedding four corners leg		
	in the ground, including refilling the earth, compaction etc. complete.		
	The tree guard shall be painted with two or more coats of synthetic		
	enamel paint of approved brand and manufacture over a coat of primer		
	complete in all respect.	each	4088.00
	complete in an respect.	Cucii	1000.00

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
17.28	Preparation of mounds of various size and shape by available		
	excavated/supplied earth in layers not exceeding 20 cm in depth, breaking		
	clods, watering of each layer dressing etc. lead upto 50 meter and lift		
	upto 1.5 m complete as per direction of officer- in -charge	cum	463.05
17.29	Providing Circular Cement Concrete pots of specified size, cast with		
	cement concrete of nominal mix. 1:1.5:3 (1cement: 1.5 coarse sand:		
	3graded stone aggregate 6 mm nominal size) reinforced with 7 nos. (3		
	nos horizontal and 4 nos vertical 'U" shape ) M.s wires of 3.5 mm dia as		
	per design, including required form work finishing with cement punning		
	on exposed surface curing for specified period and stacking in required		
	rows and height, all complete as per direction of officer-in-charge.		
	17.29.1 Top inside dia 35 cm, outer bottom dia 25 cm, total height 35		
	cm with wall thickness of 25.4 mm	each	280.25
	17.29.2 Top inside dia 30 cm, outer bottom dia 20 cm, total height 30		
	cm with wall thickness of 25.4 mm	each	205.65
17.30	Providing Square Cement Concrete pots of specified size, cast with		
	cement concrete of nominal mix. 1:1.5:3 (1cement: 1.5 coarse sand: 3		
	graded stone aggregate 6 mm nominal size) reinforced with 7 nos. (3		
	nos horizontal and 4 nos vertical 'U" shape ) M.s wires of 3.5 mm dia		
	as per design, including required form work finishing with cement		
	punning on exposed surface curing for specified period and stacking in		
	required rows and height, all complete as per direction of officer-in-		
	charge.		
	17.30.1 Top inner width 35 cm, outer bottom width 25 cm, total		
	height 35 cm with wall thickness of 25.4 mm.	each	337.60



r	18.0 (Sanitary Installation)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
18.1	Providing and fixing water closet squatting pan (Indian type W.C. pan)		
	with 100 mm sand cast Iron P or S trap, 10 liter low level white P.V.C.		
	flushing cistern, including flush pipe (of approved make) with manually		
	controlled device (handle lever) conforming to IS: 7231, with all fittings		
	and fixtures complete, including cutting and making good the walls and		
	floors wherever required.		
	18.1.1 <b>DELETED</b>		
	18.1.2 White vitreous china Orissa pattern W.C. pan of size 580x440		
	mm with integral type foot rests.	each	5493.25
	18.1.3 Stainless Steel AISI- 304 (18/8) Orissa pattern W.C. pan of size		
	585x480mm with flush pipe and integrated type foot rests	each	10122.55
18.2	Providing and fixing white vitreous china pedestal type water closet		
	(European type W.C. pan) with seat and lid, 10 liter low level white		
	P.V.C. flushing cistern, including flush pipe with manually controlled		
	device (handle lever), conforming to IS:7231, with all fittings and		
	fixtures complete, including cutting and making good the walls and		
	floors wherever required:		
	18.2.1 W.C. pan with ISI marked white solid plastic seat and lid.	each	5632.40
	18.2.2 W.C. pan with ISI marked black solid plastic seat and lid	each	5538.75
18.3	Providing and fixing white vitreous china pedestal type water closet		
	(European type) with seat and lid, 10 liter low level white vitreous china		
	flushing cistern and CP flush bend with fittings and C.I. brackets, 40mm		
	flush bend, overflow arrangement with specials of standard make and		
	mosquito proof coupling of approved municipal design complete,		
	including painting of fittings and brackets, cutting and making good the		
	walls and floors wherever required:		
	18.3.1 W.C. pan with ISI marked white solid plastic seat and lid.	each	7713.70
	18.3.2 W.C. pan with ISI marked black solid plastic seat and lid.	each	7620.00
18.4	Providing and fixing white vitreous china flat back or wall corner type		
2011	lipped front urinal basin of 430x260x350mm and 340x410x265 mm sizes		
	respectively with automatic flushing cistern with standard flush pipe and		
	C.P. brass spreaders with brass unions and G.I. clamps complete,		
	including painting of fittings and brackets, cutting and making good the		
	walls and floors wherever required:		
	18.4.1 One urinal basin with 5 literwhite P.V.C automatic flushing		
	cistern.	each	5342.35
	18.4.2 Range of two urinal basins with 5 literwhite P.V.C automatic	cacii	3312.33
	flushing cistern.	each	8619.80
	18.4.3 Range of three urinal basins with 10 liter white P.V.C automatic	- Cucii	0017.00
	flushing cistern.	each	11566.50
	18.4.4 Range of four urinal basins with 10 liter white P.V.C automatic	- Cucii	11500.50
	flushing cistern	each	16161.15
18.5	Providing and fixing white vitreous china flat back half stall urinal of	Cucii	10101.13
10.5	size580x380x350mm with White P.V.C automatic flushing cistern, with		
	fittings, standard size C.P. brass flush pipe, spreaders with unions and		
	clamps (all in C.P. brass) with waste fitting as per IS:2556, C.I. trap with		
	outlet grating and other couplings in C.P. brass, including painting of		
	fittings and cutting and making good the walls and floors wherever		
	required:		
	-		
	18.5.1 Single half stall urinal with 5 liter P.V.C automatic flushing cistern.	each	10079.55
		Cacii	10079.33
		an ah	15110 55
	flushing cistern.	each	15112.55
	18.5.3 Range of three half stall urinals with 10 liter P.V.C automatic		
		]	

CODE	18.0 (Sanitary Installation)  DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	CIVII	₹
	flushing cistern.	each	18690.60
	18.5.4 Range of four half stall urinals with 10 liter P.V.C automatic		
	flushing cistern.	each	22164.90
18.6	Providing and fixing one piece construction white vitreous china		
	squatting plate with an integral longitudinal flushing pipe, white P.V.C		
	automatic flushing cistern, with fittings, standard size G.I./ PVC flush		
	pipe for back and front flush with standard spreader pipes with fittings,		
	G.I clamps and in C.P brass coupling complete, including painting of		
	fittings and cutting and making good the walls and floors etc. wherever		
	required:		
	18.6.1 Single squatting plate with 5 liter P.V.C. automatic flushing	_	
	cistern.	each	8101.40
	18.6.2 Range of two squatting plates with 5 liter P.V.C. automatic		12076.00
	flushing cistern.	each	12076.80
	18.6.3 Range of three squatting plates with 10 liter P.V.C. automatic	1-	15041 15
	flushing cistern.  18.6.4 Range of four squatting plates with 10 liter P.V.C. automatic	each	15941.15
	flushing cistern.	each	19341.20
18.7	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass	Cacii	13341.20
10./	pillar taps, 32 mm C.P. brass waste of standard pattern, including		
	painting of fittings and brackets, cutting and making good the walls		
	wherever required:		
	18.7.1 White Vitreous China Wash basin size 630x450 mm with a pair		
	of 15 mm C.P. brass pillar taps.	each	4172.40
	18.7.2 White Vitreous China Wash basin size 630x450 mm with a		
	single 15 mm C.P. brass pillar taps.	each	3561.90
	18.7.3 White Vitreous China Wash basin size 550x400 mm with a pair		
	of 15 mm C.P. brass pillar taps.	each	3871.35
	18.7.4 White Vitreous China Flat back wash basin size 550x400 mm		
	with single 15 mm C.P. brass pillar tap.	each	3260.85
	18.7.5 White Vitreous China Angle back wash basin size 600x480 mm		
	with single 15 mm C.P. brass pillar tap.	each	3260.85
	18.7.6 White Vitreous China Angle back wash basin size 400x400 mm		2045.00
	with single 15 mm C.P. brass pillar tap	each	3046.80
	18.7.7 White Vitreous China Flat back wash basin size 450x300 mm	1.	2077 55
	with single 15 mm C.P. brass pillar tap 18.7.8 White Vitreous China Surgeon type wash basin size 660x460	each	3077.55
	mm with a pair of 15 mm C.P. brass pillar taps with elbow including		
	operated levers.	each	4493.50
	18.7.9 White Vitreous China Surgeon type wash basin size 660x460	Cacii	4475.50
	mm with single 15 mm C.P. brass pillar taps with elbow operated levers		
	ISI marked	each	3775.95
	18.7.10 Stainless steel AISI-304 (18/8) Round basin 405x355 mm with		
	single 15mm C.P. brass pillar trap	each	4204.10
	18.7.11 Stainless steel AISI-304 (18/8) Wash basin 530x345 mm with		
	single 15 mm C.P. brass pillar tap	each	4873.05
18.7A	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass		
	single hole basin mixer of approved quality and make, including painting		
	of fittings and brackets, cutting and making good the walls wherever		
	required:-		
	(a) White Vitreous China Wash basin size 550x400 mm with a 15 mm	_	46
	CP Brass single hole basin mixer	each	4841.20
18.7B	Providing and fixing wash basin with C.I. brackets, 15 mm PTMT		
	pillar cock, 32 mm PTMT waste coupling of standard pattern,		

CODE	18.0 (Sanitary Installation) DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	OIVII	₹
110.	including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm PTMT pillar cock.	each	2909.35
18.8	Add for: 18.8.1 Providing 32 mm dia. C.P. brass trap.	each	466.05
18.9	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	each	1474.15
18.10	Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required.	_	
18.11	18.10.1 White glazed fire clay kitchen sink of size 600x450x250 mm  Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per I.S. 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required:  18.11.1 Kitchen sink with drain board	each	4591.85
	18.11.1.1 510x1040mm bowl depth 250mm 18.11.1.2 510x1040mm bowl depth 225mm 18.11.1.3 510x1040mm bowl depth 200mm 18.11.1.4 510x1040mm bowl depth 178mm	each each each each	6166.90 5939.45 5671.85 5524.70
	18.11.2 Kitchen sink without drain board 18.11.2.1 610x510mm bowl depth 200mm 18.11.2.2 610x460mm bowl depth 200mm 18.11.2.2 470x420mm bowl depth 178mm	each each	4380.50 3723.55 3308.80
18.12	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40mm C.P. brass waste and 40 mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the walls wherever required:  18.12.1 Size 450x300x150 mm  18.12.2 Size 600x450x200 mm	each each	4855.40 6139.85
18.13	Providing and fixing draining board with C.I. brackets including painting of brackets, cutting and making good the walls wherever required.  18.13.1 White glazed fire clay draining board of size 600x450x25mm	each	1438.95
18.14	Providing and fixing white vitreous china water closet squatting pan (Indian type) 18.14.1 Long pattern W.C. pan of size 580 mm	each	1970.75 2345.35
18.15	18.14.2 Orissa pattern W.C. pan of size 580x440 mm  Extra for using coloured W.C. pan instead of white W.C. pan  18.15.1 Orissa pattern W.C. pan 580x440 mm	each each	849.60
18.16	Providing and fixing white vitreous china pedestal type (European type/wash down type) water closet pan.	each	2303.90
18.17	Extra for using coloured pedestal type W.C Pan (European type) with low level cistern of same colour instead of white vitreous china W.C. pan and cistern.	each	259.55
18.17A	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	each	412.10
18.18	Providing and fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet:		
18.19	18.18.1 250x130x30 mm 18.18.2 250x125x25 mm Providing and fixing P.V.C low level flushing cistern with manually	pair pair	NA 299.05
10.17	110.1.5.115 and 11.11.6 10.11 10.10 10.10 11.11.11.11.11.11.11.11.11.11.11.11.11.		

_	18.0 (Sanitary Installation)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	controlled device (handle lever) conforming to IS: 7231, with all fittings		
	and fixtures complete:		
	18.19.1 10 liter capacity -White	each	1163.85
	18.19.2 10 liter capacity – coloured	each	1137.10
18.20	Providing and fixing controlled flush, low level cistern made of vitreous		
	china with all fittings complete:		
	18.20.1 10 liter (full flush) capacity-white	each	2291.20
	18.20.2 10 liter (full flush) capacity-coloured.	each	2447.75
18.21	Providing and fixing solid plastic seat with lid for pedestal type W.C.		
	pan complete:		
	18.21.1 White solid plastic seat with lid.	each	673.60
	18.21.2 Black solid plastic seat with lid.	each	579.95
	18.21.3 Coloured (other than black and white) solid plastic seat with lid.	each	646.85
18.22	Providing and fixing G.I. inlet connection for flush pipe connecting with		
	W.C. pan.	each	129.10
18.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved		
	quality & make and as per the direction of Engineer-in-charge.	each	869.65
18.22B	Providing and fixing CP Brass Single lever telephonic wall mixer of		
	quality & make as approved by Engineer in charge.		
	(a) 15 mm nominal dia	each	6805.80
18.23	Providing and fixing white vitreous china flat back or wall corner type		
	lipped front urinal basin of 430x260x350 mm and 340x410x265mm sizes		
	respectively.	each	1400.05
18.24	Providing and fixing white vitreous china squatting plate urinal with		
	integral rim longitudinal flush pipe.	each	3807.75
18.25	Providing and fixing white vitreous china wash basin including making		
	all connections but excluding the cost of fittings.		
	18.25.1 Flat back wash basin of size 630x450 mm.	each	1544.70
	18.25.2 Flat back wash basin of size 550x400 mm.	each	1243.70
	18.25.3 Angle back wash basin of size 600x480 mm.	each	1243.70
	18.25.4 Angle back wash basin of size 400x400 mm.	each	1029.60
	18.25.5 Flat back wash basin of size 450x300 mm.	each	1060.40
	18.25.6 Surgeon type wash basin of size 660x460 mm.	each	1651.75
18.26	Providing and fixing kitchen sink including making all connections		
	excluding cost of fittings:		
	18.26.1 White glazed fire clay sink of size 600x450x250 mm.	each	3069.35
18.27	Providing and fixing white vitreous china laboratory sink including		
	making all connections excluding cost of fittings		
	18.27.1 Size 450x300x150mm.	each	2516.75
	18.27.2 Size 600x450x200 mm.	each	3801.20
18.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including		
	P.V.C waste fittings complete:		
	18.28.1 Semi rigid pipe		
	18.28.1.1 32 mm dia	each	137.40
	18.28.1.2 40 mm dia	each	150.80
	18.28.2 Flexible pipe		100.07
	18.28.2.1 32 mm dia	each	128.05
10.00	18.28.2.2 40 mm dia	each	150.80
18.29	Providing and fixing 100 mm sand cast iron grating for gully trap.	each	60.75
18.30	Providing and fixing in position 25 mm diameter mosquito proof	1	F1 60
10.71	coupling of approved municipal design.	each	51.60
18.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass		
	(of approved quality) complete with 6 mm thick hard board ground fixed	2011	1505 10
	to wooden cleats with C.P. brass screws and washers complete.	each	1595.10

	18.0 (Sanitary Installation)	ı	ı
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
18.32	Providing and fixing mirror of superior glass (of approved quality) and of		
	required shape and size with plastic moulded frame of approved make		
	and shade with 6 mm thick hard board backing		
	18.32.1 Circular shape 450 mm dia.	each	1381.25
	18.32.2 Rectangular shape 453x357 mm	each	1156.25
	18.32.3 Oval shape 450x350mm (outer dimensions)	each	1235.75
	18.32.4 Rectangular shape 1500x450 mm	each	2048.35
10.22	2	eacii	2046.33
18.33	Providing and fixing 600x120x5mm glass shelf with edges round off		
	supported on anodized aluminum angle frame with C.P. brass brackets		
	and guard rail complete fixed with 40 mm long screws, rawl plugs, etc.		
	complete	each	902.50
18.34	Providing and fixing toilet paper holder		
	18.34.1 C.P. brass	each	1011.75
	18.34.2 Vitreous china	each	674.60
18.35	Providing and fixing soil, waste and vent pipes:		
	18.35.1 100 mm dia.		
	18.35.1.1 Sand cast iron S and S pipe as per IS:1729	meter	1066.50
	18.35.1.2 Centrifugally cast (spun) iron S and S pipe as per IS:3989	meter	1063.95
	18.35.1.3 Hubless centrifugally cast (spun) iron pipes epoxy coated		1000.70
	inside & outside IS:15905	meter	1048.70
	18.35.2 75 mm diameter.	meter	1046.70
		,	0.46.00
	18.35.2.1 Sand cast iron S and S pipe as per IS:1729	meter	946.00
	18.35.2.2 Centrifugally cast (spun) iron S and S pipe as per IS:3989	meter	1032.10
	18.35.2.3 Hubless centrifugally cast (spun) iron pipes epoxy coated		
	inside & outside IS:15905	meter	858.15
18.36	Providing and filling the joints with spun yarn cement slurry and cement		
	mortar 1:2 (1 cement : 2 fine sand) in S.C.I / C.I pipes		
	18.36.1 75 mm dia. pipe	each	133.05
	18.36.2 100 mm dia. Pipe	each	156.75
18.37	Providing and fixing M.S. holder-bat clamps of approved design to Sand		
	Cast iron/Cast Iron (spun) pipe 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 ), including cost of cutting		
	holes and making good the walls etc:		
	18.37.1 For 100 mm dia. pipe	each	302.15
	18.37.2 For 75 mm dia. pipe	each	300.85
18.38	Providing and fixing bend of required degree with access door, insertion	Cacii	300.03
10.30			
	rubber washer 3 mm thick, bolts and nuts complete:  18.38.1 100 mm dia.		
			500.55
	18.38.1.1 Sand cast iron S and S as per IS:1729	each	589.75
	18.38.1.2 Sand cast iron S and S as per IS:3989	each	613.85
	18.38.1.3 Hubless centrifugally cast (spun) iron pipes epoxy coated		
	inside & outside IS:15905	each	567.00
	18.38.2 75 mm dia.		
	18.38.2.1 Sand cast iron S and S as per IS:1729	each	460.20
	18.38.2.2 Sand cast iron S and S as per IS:3989	each	464.25
	18.38.2.3 Hubless centrifugally cast (spun) iron pipes epoxy coated		
	inside & outside IS:15905	each	450.85
18.39	Providing and fixing plain bend of required degree:		
	18.39.1 100 mm dia.		
	18.39.1.1 Sand cast iron S and S as per IS:1729	each	489.40
	18.39.1.2 Sand cast iron S and S as per IS:1729	each	446.60
	18.39.1.3 Hubless centrifugally cast (spun) iron pipes epoxy coated	Cucii	110.00
	inside & outside IS:15905	aach	352.05
	mistue & outside 15:15905	each	352.95

	18.0 (Sanitary Installation)		T
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	18.39.2 75 mm dia.		
	18.39.2.1 Sand cast iron S and S as per IS:1729	each	386.65
	18.39.2.2 Sand cast iron S and S as per IS:3989	each	303.70
	18.39.2.3 Hubless centrifugally cast (spun) iron pipes epoxy coated		
	inside & outside IS:15905	each	250.15
18.40	Providing and fixing heel rest sanitary bend:		
	18.40.1 100 mm dia.		
	18.40.1.1 Sand cast iron S and S as per IS:1729	each	580.40
	18.40.1.2 Sand cast iron S and S as per IS:3989	each	446.60
	18.40.2 75 mm dia.		
	18.40.2.1 Sand cast iron S and S as per IS:1729	each	457.55
	18.40.2.2 Sand cast iron S and S as per IS:3989	each	410.70
18.41	Providing and fixing double equal junction of required degree with		
	access door, insertion rubber washer 3 mm thick, bolts and nuts		
	complete.		
	18.41.1 100x100x100x100 mm.		
	18.41.1.1 Sand cast iron S and S as per IS:1729	each	1454.95
	18.41.1.2 Sand cast iron S and S as per IS:3989	each	921.15
	18.41.2 75x75x75 mm.	cucii	)21.13
	18.41.2.1 Sand cast iron S and S as per IS:1729	each	1169.30
	18.41.2.2 Sand cast iron S and S as per IS:3989	each	731.80
18.42	Providing and fixing double equal plain junction of required degree.	Cacii	731.00
10.42	18.42.1 100x100x100x100 mm.		
	18.42.1.1 Sand cast iron S and S as per IS:1729	each	1353.75
	<u> </u>	each	888.10
	18.42.1.2 Sand cast iron S and S as per IS:3989	each	000.10
	18.42.1.3 Hubless centrifugally cast (spun) iron pipes epoxy coated	1.	707.55
	inside & outside IS:15905	each	727.55
	18.42.2 75x75x75 mm.	,	1000.05
	18.42.2.1 Sand cast iron S and S as per IS:1729	each	1089.05
	18.42.2.2 Sand cast iron S and S as per IS:3989	each	664.90
	18.42.2.3 Hubless centrifugally cast (spun) iron pipes epoxy coated	,	404.00
10.12	inside & outside IS:15905	each	404.00
18.43	Providing and fixing single equal plain junction of required degree with		
	access door, insertion rubber washer 3 mm thick, bolts and nuts		
	complete.		
	18.43.1 100x100x100 mm.		
	18.43.1.1 Sand cast iron S and S as per IS:1729	each	1090.15
	18.43.1.2 Sand cast iron S and S as per IS:3989	each	747.65
	18.43.2 75x75x75 mm.		
	18.43.2.1 Sand cast iron S and S as per IS:1729	each	939.20
	18.43.2.2 Sand cast iron S and S as per IS:3989	each	584.65
18.44	Providing and fixing single equal plain junction of required degree.		
	18.44.1 100x100x100 mm.		
	18.44.1.1 Sand cast iron S and S as per IS:1729	each	949.65
	18.44.1.2 Sand cast iron S and S as per IS:3989	each	714.20
	18.44.1.3 Hubless centrifugally cast (spun) iron pipes epoxy coated		
	inside & outside IS:15905	each	580.40
	18.44.2 75x75x75 mm.		
	18.44.2.1 Sand cast iron S and S as per IS:1729	each	710.40
	18.44.2.2 Sand cast iron S and S as per IS:3989	each	504.35
	18.44.2.3 Hubless centrifugally cast (spun) iron pipes epoxy coated		
	inside & outside IS:15905	each	323.75
18.45	Providing and fixing double unequal junction of required degree with	Cucii	323.13
10.73	access door, insertion rubber washer 3 mm thick, bolts and nuts		
	access door, instruon ruoder washer 3 min unck, dorts and nuts		

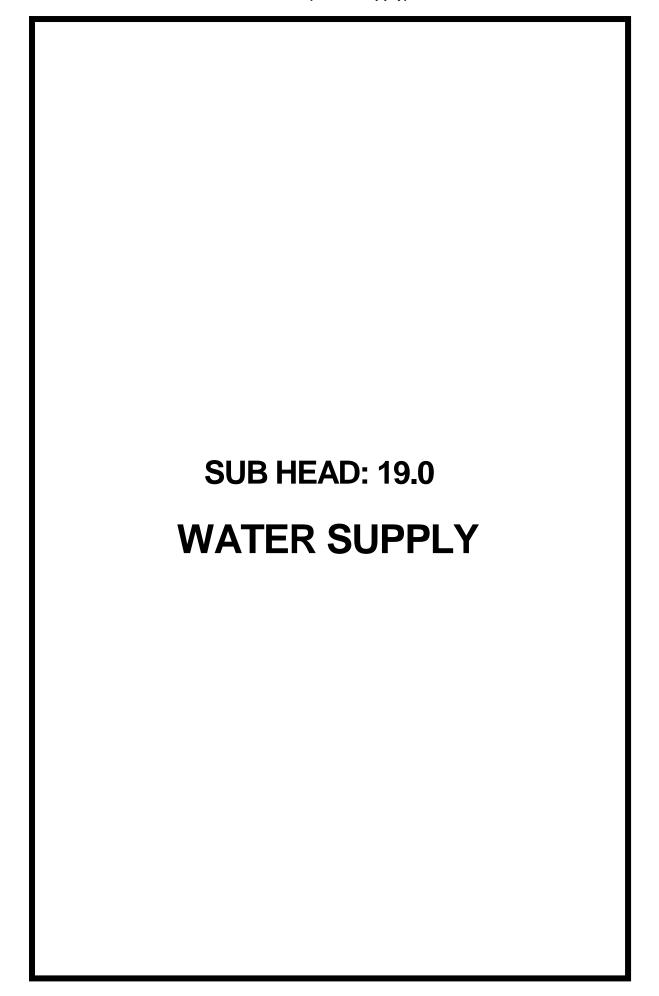
CODE	18.0 (Sanitary Installation)	TINITE	DARE
CODE	DESCRIPTION	UNIT	RATE ₹
NO.	1.		*
	complete.		
	18.45.1 100x100x75x75 mm.	,	1105.15
	18.45.1.1 Sand cast iron S and S as per IS:1729	each	1185.15
10.15	18.45.1.2 Sand cast iron S and S as per IS:3989	each	1282.80
18.46	Providing and fixing double unequal plain junction of required degree.		
	18.46.1 100x100x75x75 mm.		001.15
	18.46.1.1 Sand cast iron S and S as per IS:1729	each	991.15
	18.46.1.2 Sand cast iron S and S as per IS:3989	each	1115.55
	18.46.1.3 Hubless centrifugally cast (spun) iron epoxy coated inside		<b>5</b> 00 40
	& outside as per IS:15905	each	580.40
18.47	Providing and fixing single unequal junction of required degree with		
	access door, insertion rubber washer 3 mm thick, bolts and nuts complete		
	18.47.1 100x100x75 mm.		
	18.47.1.1 Sand cast iron S and S as per IS:1729	each	956.35
	18.47.1.2 Sand cast iron S and S as per IS:3989	each	948.35
18.48	Providing and fixing single unequal plain junction of required degree :		
	18.48.1 100x100x75 mm.		
	18.48.1.1 Sand cast iron S and S as per IS:1729	each	805.15
	18.48.1.2 Sand cast iron S and S as per IS:3989	each	848.00
	18.48.1.3 Hubless centrifugally cast (spun) iron epoxy coated inside		
	& outside as per IS:15905	each	546.95
18.49	Providing and fixing double equal plain invert branch of required degree		
	18.49.1 100x100x100x100 mm.		
	18.49.1.1 Sand cast iron S and S as per IS:1729	each	781.10
	18.49.1.2 Sand cast iron S and S as per IS:3989	each	767.70
	18.49.1.3 Hubless centrifugally cast (spun) iron epoxy coated inside		
	& outside as per IS:15905	each	881.45
	18.49.2 75x75x75 mm.		
	18.49.2.1 Sand cast iron S and S as per IS:1729	each	604.70
	18.49.2.2 Sand cast iron S and S as per IS:3989	each	638.15
18.50	Providing and fixing single equal plain invert branch of required degree :		
	18.50.1 100x100x100 mm.		
	18.50.1.1 Sand cast iron S and S as per IS:1729	each	627.25
	18.50.1.2 Sand cast iron S and S as per IS:3989	each	620.55
	18.50.1.3 Hubless centrifugally cast (spun) iron epoxy coated inside		
	& outside as per IS:15905	each	567.00
	18.50.2 75x75x75 mm.		
	18.50.2.1 Sand cast iron S and S as per IS:1729	each	528.45
	18.50.2.2 Sand cast iron S and S as per IS:3989	each	477.60
	18.50.2.3 Hubless centrifugally cast (spun) iron epoxy coated inside		
	& outside as per IS:15905	each	383.95
18.51	Providing and fixing double unequal invert branch of required degree :		
	18.51.1 100x100x75x75 mm.		
	18.51.1.1 Sand cast iron S and S as per IS:1729	each	848.00
	18.51.1.2 Sand cast iron S and S as per IS:3989	each	1021.90
18.52	Providing and fixing single unequal plain invert branch of required		
	degree:		
	18.52.1 100x100x75 mm.		
	18.52.1.1 Sand cast iron S and S as per IS:1729	each	714.20
	18.52.1.2 Sand cast iron S and S as per IS:3989	each	781.10
	18.52.1.3 Hubless centrifugally cast (spun) iron epoxy coated inside		
	& outside as per IS:15905	each	620.55
18.53	& outside as per IS:15905  Providing and fixing sand cast iron S and S off sets as per IS:1729:  18.53.1 76 mm off sets.	each	620.55

CODE	18.0 (Sanitary Installation)	TINITE	DATE
CODE	DESCRIPTION	UNIT	RATE ₹
NO.		_	
	18.53.1.1 With 75 mm dia. pipe	each	330.45
	18.53.1.2 With 100 mm dia. pipe	each	517.75
	18.53.2 114 mm off sets.		
	18.53.2.1 With 75 mm dia. pipe	each	460.00
	18.53.2.2 With 100 mm dia. pipe	each	567.00
	18.53.3 152 mm off sets.		
	18.53.3.1 With 75 mm dia. pipe	each	541.65
	18.53.3.2 With 100 mm dia. pipe	each	675.45
18.53A	Providing and fixing Hubless centrifugally cast iron offsets epoxy		
	coated inside & outside as per IS:15905		
	18.53A.1 65 mm offsets		
	18.53A.1.1 With 100 mm dia pipe	each	517.75
	18.53A.1.2 With 75 mm dia pipe	each	430.80
18.54	Providing and fixing sand cast (spun) iron S and S off sets as per		
	IS:3989:		
	18.54.1 75 mm off sets.		
	18.54.1.1 With 75 mm dia. pipe	each	343.80
	18.54.2 150 mm off sets.		12.00
	18.54.2.1 With 75 mm dia. pipe	each	455.30
	18.53.2.2 With 100 mm dia. pipe	each	589.10
18.54A	Providing and fixing Hubless centrifugally cast iron offsets epoxy	cucii	307.10
10.54A	coated inside & outside as per IS:15905		
	18.54A.1 130 mm offsets		
	18.54A.1.1 With 100 mm dia	each	633.90
	18.54A.1.2 With 75 mm dia	each	450.85
18.55	Providing and fixing door piece, insertion rubber washer 3 mm thick,	eacii	430.83
10.55	bolts and nuts complete:		
	<u> -</u>		
		1.	707.55
	18.55.1.1 Sand cast iron S and S as per IS:1729	each	727.55
	18.55.1.2 Sand cast iron S and S as per IS:3989	each	627.25
	18.55.2 75 mm.		
	18.55.2.1 Sand cast iron S and S as per IS:1729	each	444.15
	18.55.2.2 Sand cast iron S and S as per IS:3989	each	464.25
18.56	Providing and fixing terminal guard :		
	18.56.1 100 mm.		
	18.56.1.1 Sand cast iron S and S as per IS:1729	each	382.40
	18.56.1.2 Sand cast iron S and S as per IS:3989	each	446.60
	18.56.1.3Hubless centrifugally cast (spun) iron epoxy coated inside &		
	outside as per IS:15905	each	406.45
	18.56.2 75 mm.		
	18.56.2.1 Sand cast iron S and S as per IS:1729	each	305.00
	18.56.2.2 Sand cast iron S and S as per IS:3989	each	317.05
18.57	Providing and fixing collar:		
	18.57.1 100 mm.		
	18.57.1.1 Sand cast iron S and S as per IS:1729	each	406.45
	18.57.1.2 Sand cast iron S and S as per IS:3989	each	446.60
	18.57.2 75 mm.		
	18.57.2.1 Sand cast iron S and S as per IS:1729	each	276.90
	18.57.2.2 Sand cast iron S and S as per IS:3989	each	276.90
18.57A	Providing and fixing shielded coupling for Hubless centrifugally cast		
	iron pipe		
	18.57A.1 100 mm dia		
	18.57A.1.1 SS 304 grade coupling with EPDM rubber gasket	each	413.15
	18.57A.2 75 mm dia		
L	244	1	_1

CODE	18.0 (Sanitary Installation)	TINITE	DATE
CODE NO.	DESCRIPTION	UNIT	RATE ₹
NO.	18.57A.2.1 SS 304 grade coupling with EPDM rubber gasket	each	370.60
18.58	Providing lead caulked joints to sand cast iron / centrifugally cast (spun)	cach	370.00
10.00	iron pipes and fittings of diameter:		
	18.58.1 100 mm.	each	530.90
	18.58.2 75 mm.	each	450.20
	18.58.3 50 mm.	each	363.90
18.59	Providing and fixing M.S. stays and clamps for sand cast iron/		
	centrifugally cast (spun) iron pipes of diameter :		
	18.59.1 100 mm.	each	138.90
	18.59.2 75 mm.	each	103.00
10.60	18.59.3 50 mm.	each	78.55
18.60	Providing and fixing trap of self cleansing design with screwed down or		
	hinged grating with or without vent arm complete, including cost of		
	cutting and making good the walls and floors:  18.60.1 100 mm inlet and 100 mm outlet		
	18.60.1 100 mm inlet and 100 mm outlet 18.60.1.1 Sand cast iron S and S as per IS:3989	each	1556.40
	18.60.1.2 Sand cast iron S and S as per IS:1729	each	1362.40
	18.60.1.3 Hubless centrifugally cast (spun) iron epoxy coated inside	Cacii	1302.40
	& outside as per IS:15905	each	767.70
	18.60.2 100 mm inlet and 75 mm outlet	Cacii	707.70
	18.60.2.1 Sand cast iron S and S as per IS:3989	each	1623.30
	18.60.2.2 Sand cast iron S and S as per IS:1729	each	1255.40
	18.60.2.3 Hubless centrifugally cast (spun) iron epoxy coated inside		1200110
	& outside as per IS:15905	each	560.35
	Note: Sand Cast Iron S and S pipes shall not be used except for		
	minor works due to non availability of Centrifugally cast (Spun) Iron		
	S and S pipes.		
18.61	Cutting chases in brick masonry walls for following diameter sand cast		
	iron / centrifugally cast (spun) iron pipes and making good the same with		
	cement concrete 1:3:6 (1 cement :3 coarse sand: 6 graded stone aggregate		
	12.5 mm nominal size) including necessary plaster and pointing in		
	cement mortar 1:4 (1 cement :4 coarse sand):		
	18.61.1 100 mm dia.	meter	552.10
	18.61.2 75 mm dia.	meter	395.45
	18.61.3 50 mm dia.	meter	257.05
18.62	Painting C.I. cistern with bitumastic or any other anti-corrosive paint		
	inside and white paint over a coat of zinc chromate yellow primer (of		
	approved quality) on the outside surface of the cistern, flush pipe, other	1	010.05
10.73	fittings etc. complete for new work.	each	819.95
18.63	Re-painting C.I. cistern with bitumastic or any other anti-corrosive paint		
	inside and white paint on the outside surface of the cistern, flush pipe,		
	other fittings, etc. complete including polishing of wooden seat and lid	anah	560 55
18.64	and cleaning of W.C. pan with acid wherever necessary.  Re-painting C.I. cistern with synthetic enamel paint of approved colour,	each	568.55
10.04	brand and manufacture on the outside surface of cistern, flush pipe, other		
	fittings etc. complete.	each	245.00
18.65	Painting sand cast iron/centrifugally cast (spun) iron soil waste, vent	Cucii	273.00
10.03	pipes and fittings with two coats of synthetic enamel paint of any colour		
	such as chocolate grey, or buff etc. over a coat of primer (of approved		
	quality) for new work :		
	18.65.1 100 mm diameter pipe.	meter	69.90
	18.65.2 75 mm diameter pipe.	meter	53.30
	f.ks.		
18.66	Repainting sand cast iron/centrifugally cast iron (spun) iron, soil, waste,		
	vent pipes and fittings with one coat of synthetic enamel paint of any		
	245	l	

CODE	18.0 (Sanitary Installation)  DESCRIPTION	UNIT	RATE
NO.			₹
	colour such as chocolate, grey or buff etc:		
	18.66.1 100 mm diameter pipe.	meter	34.10
	18.66.2 75 mm diameter pipe.	meter	25.55
18.67	Repainting bath tub of size 1700x730x430mm with enamel paint.	each	677.05
18.68	Providing and fixing vitreous china dual purpose closet suitable for use as		
	squatting pan or European type water closet (Anglo Indian W.C. pan)		
	with seat and lid with C.P. brass hinges and rubber buffers, 10 liter low		
	level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm		
	overflow pipe with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of		
	fittings and brackets, cutting and making good the walls and floors		
	wherever required:		
	18.68.1 White vitreous china dual purpose WC pan with white solid		
	plastic seat lid with white vitreous china flushing cistern and		
	C.P. flush bend	each	11468.75
18.69	Providing and fixing PTMT Waste Coupling for wash basin and sink, of		
	approved quality and colour: 18.69.1 Waste coupling 31mm of 79 mm length and 62 mm breadth	each	160.15
	weighing not less than 45gms.	Cacii	100.13
	18.69.2 Waste coupling 38mm of 83 mm length and 77 mm breadth		
	weighing not less than 60gms.	each	188.25
18.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink:		
	18.70.1 Bottle trap 31 mm single piece moulded with height of 270 mm,		
	effective length of tail pipe 260 mm from the centre of the waste coupling		
	77 mm breadth with 25 mm minimum water seal, weighing not	1.	506.20
	less than 260 gms.  18.70.2 Bottle trap 38 mm single piece moulded with height of 270 mm,	each	596.30
	effective length of tail pipe 260mm from the centre of the waste coupling		
	77 mm breadth with 25 mm minimum water seal, weighing not less than		
	263 gms.	each	623.10
18.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm		
	high and 112 mm distance from wall of standard shape with brackets of		
	the same materials with snap fittings of approved quality and colour,		207.50
18.72	weighing not less than 105 gms.  Providing and fixing PTMT towel ring trapezoidal shape 215 mm long,	each	287.50
10.72	200 mm wide with a minimum distance of 37 mm from wall face with		
	concealed fittings arrangements of approved quality and colour, weighing		
	not less than 88 gms.	each	248.45
18.73	Providing and fixing PTMT towel rail complete with brackets fixed to		
	wooden cleats with CP brass screws with concealed fitting arrangement		
	of approved quality and colour:		
	18.73.1 450 mm long towel rail with total length of 495 mm, 78 mm	anch	721 25
	wide and effective height of 88 mm, weighing not less than 170 gms. 18.73.2 600 mm long towel rail with total length of 645 mm, 78 mm	each	731.25
	wide and effective height of 88 mm, weighing not less than 190 gms.	each	803.50
18.74	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36		1 ,2 .3 0
	mm height of approved quality and colour, weighing not less than 300		
	gms.	each	835.65
18.75	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm		
10 = 1	with ½" BSP thread and shapes, weighing not less than 60 gms	each	196.55
18.76	Providing and fixing PTMT urinal cock of approved quality and colour:		
	18.76.1 15 mm nominal bore, 80 mm long, 42mm high and 30 mm wide with BSP female threads weighing not less than 48 gms	each	180.80
	with Dot temate uncaus weighing not less tildli 40 gills	Cacii	100.00

CODE	DESCRIPTION 18.0 (Same and Installation)	UNIT	RATE
NO.			₹
18.77	Providing and fixing M.S. holder bat clamp of approved design to sand		
	cast iron/cast iron (spun) pipes comprising of M.S. flat brackets made of		
	50x5mm flat of specified shape, projecting 75mm outside the wall		
	surface and fixed on wall with 4 Nos, 6mm dia expansion hold fasteners		
	including drilling necessary holes in brick wall/CC/RCC surface and the		
	cost of bolts etc. The pipes shall be fixed to the already fixed brackets		
	with the help of 30mm x 1.6mm galvanized M.S. flats of specified shape		
	and of total length 420mm and shall be fixed with M.S. nuts, bolts and		
	washers of size 25x6mm, one bolt on each side of the pipe.		
	18.77.1 Total bracket length 580mm of approved shape and design (for		
	single 100mm dia pipe)	each	293.00
	18.77.2 Total bracket length 810mm of approved shape and design (for		
	two 100mm dia pipes)	each	368.45
	18.77.3 Total bracket length 1040mm of approved shape and design (for		
	three 100 mm dia pipes)	each	443.80
18.78	Providing and fixing white vitreous china extended wall mounting water		
	closet of size 780x370x690 mm of approved shape including providing		
	and fixing white vitreous china cistern with dual flush fitting, of flushing		
	capacity 3 liter/6 liter (adjustable to 4 liter/8 liters), including seat cover,	,	1.4.407.20
40.50	and cistern fittings, nuts, bolts and gasket etc complete.	each	14487.20
18.79	Providing & fixing white vitreous china water less urinal of size 600 x		
	330 x 315 mm having antibacterial /germs free ceramic surface, fixed	1.	17165.05
10.00	with cartridge having debris catcher and hygiene seal.	each	17165.05
18.80	Providing and fixing white vitreous china battery based infrared sensor		
	operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet		
	from back side, including fixing to wall with suitable brackets all as per		
	manufacturers specification and direction of Engineer-in-charge.	each	6929.85
18.81	Providing and fixing floor mounted, white vitreous china single piece,	cacii	0747.03
10.01	double traps syphonic water closet of approved brand/make, shape,		
	size and pattern including integrated white vitreous china cistern of		
	capacity 10 litres with dual flushing system, including all fittings and		
	fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc		
	including making connection with the existing P/S trap, complete in		
	all respect as per directions of Engineer-in-Charge.	each	21554.20



# 19.0 (Water Supply)

	19.0 (Water Supply)		ı
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
19.1	PE-AL-PE COMPOSITE PRESSURE PIPES AND FITTINGS  Providing and fixing Polyethylene- Aluminum- Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS: 15450, U.V. stabilized with carbon black having thermal stability for hot and cold water supply, capable to withstand temperature upto 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts		
	wherever required) e.g. Elbows, tees, reducers, couplers and connectors etc. This includes testing of joints complete as per direction of the Engineer-in-charge:		
	19.1.1 Internal work-exposed on wall with clamps at 1.00 meter	ļ	
	spacing	,	200.20
	19.1.1.1 1216 (16mm OD) pipe	meter	289.30
	191.1.2 1620 (20mm OD) pipe	meter	322.40
	19.1.1.3 2025 (25mm OD) pipe	meter	425.10 518.80
	19.1.1.4 2532 (32mm OD) pipe	meter	749.95
	19.1.1.5 3240 (40mm OD) pipe 19.1.1.6 4050 (50mm OD) pipe	meter	889.10
	19.1.1.6 4030 (30hilli OD) pipe  19.1.2 Internal work concealed with clamps at 1.00 meter spacing	meter	889.10
	including cutting the chases and making good the wall etc.	ļ	
	19.1.2.1 1216 (16mm OD) pipe	meter	492.35
	19.1.2.2 1620 (20mm OD) pipe	meter	515.70
	19.1.2.3 2025 (25mm OD) pipe	meter	632.85
	19.1.2.4 2532 (32mm OD) pipe	meter	726.50
	19.1.3 External work including trenching and refilling etc.	inctor	720.50
	complete	ļ	
	19.1.3.1 1216 (16mm OD) pipe	meter	257.25
	191.3.2 1620 (20mm OD) pipe	meter	274.65
	19.1.3.3 2025 (25mm OD) pipe	meter	361.65
	19.1.3.4 2532 (32mm OD) pipe	meter	431.20
	19.1.3.5 3240 (40mm OD) pipe	meter	626.35
	19.1.3.6 4050 (50mm OD) pipe	meter	765.50
	PP-R PIPES AND FITTINGS		
19.2	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer)	ļ	
	pipes conforming to IS: 15801, UV stabilized and anti-microbial fusion		
	welded, having thermal stability for hot and cold water supply including	ļ	
	all PP-R plain and brass threaded Polypropylene random fittings. This	ļ	
	includes testing of joints complete as per direction of Engineer-in-		
	charge.		
	19.2.1 Internal work-exposed on wall with clamps at 1.00 meter	,	205.00
	spacing	meter	205.80
	19.2.1.1 PN-16 pipe, 16mm OD( <b>SDR-7.4</b> )	meter	240.65
	19.2.1.2 PN-16 pipe , 20mm OD(SDR-7.4)	meter	298.10
	19.2.1.3 PN-16 pipe, 25mm OD( <b>SDR-7.4</b> ) 19.2.1.4 PN-16 pipe, 32mm OD( <b>SDR-7.4</b> )	meter	377.50 512.20
	19.2.1.4 PN-16 pipe, 32mm OD( <b>SDR-7.4</b> ) 19.2.1.5 PN-16 pipe, 40mm OD( <b>SDR-7.4</b> )	meter meter	650.70
	19.2.1.6 PN-10 pipe, 50mm OD(SDR-7.4)	meter	030.70
	19.2.2 Internal work Concealed fixing the pipe with clamps at	ļ	
	1.00 meter spacing including cutting chases and making good the	ļ	
	wall etc.	meter	379.95
	19.2.2.1 PN-16 pipe, 16mm OD( <b>SDR-7.4</b> )	meter	405.70
	19.2.2.2 PN-16 pipe, 20mm OD(SDR-7.4)	meter	461.90
	19.2.2.3 PN-16 pipe, 25mm OD( <b>SDR-7.4</b> )	meter	519.75
	19.2.2.4 PN-16 pipe, 32mm OD( <b>SDR-7.4</b> )		
	19.2.3 External work including trenching, refilling etc.		
	19.2.3.1 PN-16 pipe, 16mm OD ( <b>SDR-7.4</b> )	meter	169.50
L	· · · /	<u> </u>	1

CODE	DESCRI	19.0 (Water Supply)	UNIT	RATE
NO.	DESCRI	THON	UNII	KAIL
110.	19.2.3.2	PN-16 pipe , 20mm OD ( <b>SDR-7.4</b> )	meter	187.15
	19.2.3.2	PN-16 pipe , 25mm OD ( <b>SDR-7.4</b> )	meter	236.65
	19.2.3.4	PN-16 pipe , 32mm OD ( <b>SDR-7.4</b> )	meter	300.90
	19.2.3.5	PN-16 pipe, 40mm OD ( <b>SDR-7.4</b> )	meter	399.45
	19.2.3.6	PN-10 pipe, 40mm OD (SDR-1.4)	meter	543.95
	19.2.3.7	PN-10 pipe, 63mm OD ( <b>SDR-11</b> )	meter	626.20
	19.2.3.7	PN-10 pipe , 75mm OD ( <b>SDR-11</b> )	meter	844.55
	19.2.3.9	PN-10 pipe, 90mm OD ( <b>SDR-11</b> )	meter	1193.35
		PN-10 pipe, 110mm OD ( <b>SDR-11</b> )	meter	1658.95
		PN-10 pipe , 160mm OD ( <b>SDR-11</b> )	meter	4488.30
19.2A		g and fixing PPR Unions	1110001	
->	19.2A.1	PPR Union 20mm	each	286.35
	19.2A.2	PPR Union 25mm	each	353.25
	19.2A.3	PPR Union 32mm	each	406.80
	19.2A.4	PPR Union 40mm	each	500.45
	19.2A.5	PPR Union 50mm	each	754.65
	19.2A.6	PPR Union 63mm	each	941.95
		PPR Union 75mm	each	1677.85
	CPVC PI	PES AND FITTINGS		
19.3	Providing	and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,		
	having th	ermal stability for hot and cold water supply, including all		
	CPVC pla	ain and brass threaded fittings. This includes jointing of pipes		
	and fitting	gs with one step CPVC solvent cement and testing of joints		
	complete	as per direction of Engineer-in-charge.		
	19.3.1	Internal work-exposed on wall, including fixing the pipe		
	with clan	nps at 1.00 meter spacing		
	19.3.1.1	15mm nominal outer dia pipes.	meter	251.10
	19.3.1.2	20mm nominal outer dia pipes.	meter	320.70
	19.3.1.3	25mm nominal outer dia pipes.	meter	402.45
	19.3.1.4	32mm nominal outer dia pipes.	meter	492.70
	19.3.1.5	40mm nominal outer dia pipes.	meter	663.00
	19.3.1.6	50mm nominal outer dia pipes.	meter	915.20
	19.3.2	Internal work Concealed fixing the pipe with clamps at		
	1.00 mete	er spacing including cutting chases and making good the		
	wall etc.			
	19.3.2.1	15mm nominal outer dia pipes.	meter	419.75
	19.3.2.2	20mm nominal outer dia pipes.	meter	492.35
	19.3.2.3	25mm nominal outer dia pipes.	meter	602.40
	19.3.2.4	32mm nominal outer dia pipes.	meter	691.35
	19.3.3	External work including trenching, refilling etc.		
	19.3.3.1	15mm nominal outer dia pipes.	meter	203.35
	19.3.3.2	20mm nominal outer dia pipes.	meter	257.25
	19.3.3.3	25mm nominal outer dia pipes.	meter	350.00
	19.3.3.4	32mm nominal outer dia pipes.	meter	416.10
	19.3.3.5	40mm nominal outer dia pipes.	meter	539.40
	19.3.3.6	50mm nominal outer dia pipes.	meter	791.60
	19.3.3.7	62.50mm nominal outer dia pipes.	meter	1552.75
	19.3.3.8	75mm nominal outer dia pipes.	meter	1967.55
	19.3.3.9	100mm nominal outer dia pipes.	meter	2779.90
10.4	19.3.3.10		meter	5824.20
19.4		ES AND FITTINGS	Rate per MI	EIEK
	_	and fixing G.I. pipes complete with G.I. fittings and clamps,		n
	_	cutting and making good the walls etc.:	A Liebt	<u>B</u>
		internal work-Exposed on wall	<u>Light</u>	Medium
	19.4.1.1	15 mm dia. nominal bore	329.80	360.55

	19.0 (Water Supply)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	19.4.1.2 20 mm dia. nominal bore	400.45	431.20
	19.4.1.3 25 mm dia. nominal bore	498.95	529.70
	19.4.1.4 32 mm dia. nominal bore	603.85	634.65
	19.4.1.5 40 mm dia. nominal bore	706.95	768.50
	19.4.1.6 50 mm dia. nominal bore	874.40	1182.15
	19.4.2 Concealed pipe including painting with anti corrosive		
	bitumastic paint, cutting chases and making good the wall:		
	19.4.2.1 15 mm dia. nominal bore	meter	498.30
	19.4.2.2 20 mm dia. nominal bore	meter	555.85
19.5	Laying and fitting of G.I. pipes (all classes) complete excluding cost of		
	pipes, fittings and Earth work.		
	19.5.1 15 mm and 20 mm dia. G.I. pipes	meter	22.25
	19.5.2 25 mm and 32 mm dia. G.I. pipes	meter	33.70
	19.5.3 40 mm and 50 mm dia. G.I. pipes	meter	44.85
	19.5.4 65 mm and 80 mm dia. G.I. pipes	meter	80.30
	19.5.5 100 mm and 150 mm dia. G.I. pipes	meter	118.45
19.6	Providing and fixing G.I. pipes complete with G.I. fittings excluding	Rate per M	ETER
	trenching and refilling etc. (external work)	<u>A</u>	<u>B</u>
		Light	Medium
	19.6.1 15 mm dia. nominal bore	179.20	206.50
	19.6.2 20 mm dia. nominal bore	227.90	255.20
	19.6.3 25 mm dia. nominal bore	311.95	339.25
	19.6.4 32 mm dia. nominal bore	384.00	411.30
	19.6.5 40 mm dia. nominal bore	434.65	489.25
	19.6.6 50 mm dia. nominal bore	532.80	805.70
	19.6.7 65 mm dia. nominal bore	745.10	1018.05
	19.6.8 80 mm dia. nominal bore	878.25	1151.20
	19.6.9 100 mm dia. nominal bore	1255.15	1434.00
	19.6.10 150 mm dia. nominal bore	NA	2256.90
19.7	Making connection of G.I. distribution branch with G.I. main of	1,11	
17.7	following sizes by providing and fixing Tee, including cutting and		
	threading the pipe etc. complete		
	19.7.1 25 to 40 mm nominal bore	each	730.25
	19.7.2 50 to 80 mm nominal bore	each	1387.25
19.8	Fixing water meter and stop cock in G.I. pipe line including cutting and	Cucii	1507.25
17.0	threading the pipe and making long screws etc. complete. (cost of water		
	meter and stop cock to be paid separately)	each	640.60
19.9	Providing and fixing brass bib cock of approved quality.	cacii	040.00
17.7	19.9.1 15 mm nominal bore	each	334.70
	19.9.1 13 mm nominal bore	each	372.90
19.10	Providing and fixing brass stop cock of approved quality.	CaCII	314.90
13.10	19.10.1 15 mm nominal bore	each	334.70
	19.10.1 13 mm nominal bore 19.8.10 20 mm nominal bore		379.60
	17.0.10 ZU IIIII HOHIIIIAI UUIE	each	3/9.00
19.11	Draviding and fiving our metal cate valve with CT wheel of account		
19.11	Providing and fixing gun metal gate valve with C.I. wheel of approved		
	quality (screwed end) 19.11.1 25 mm nominal bore	anah	601.70
		each	691.70
	19.11.1A 20 mm nominal bore	each	513.40
	19.11.2 32 mm nominal bore	each	750.00
	19.11.3 40 mm nominal bore	each	834.60
	19.11.4 50 mm nominal bore	each	986.15
	19.11.5 65 mm nominal bore	each	1646.05
	19.11.6 80 mm nominal bore	each	2605.15
19.12	Providing and fixing ball valve (brass) of approved quality, High or low		
	pressure, with plastic floats complete		
	252		

	19.0 (Water Supply)	1	_
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	19.12.1 15 mm nominal bore	each	453.50
	19.12.2 20 mm nominal bore	each	524.85
10.10	19.12.3 25 mm nominal bore	each	569.45
19.13	Providing and fixing gun metal non-return valve of approved quality	Rate for ea	
	(screwed end)	<b>Horizontal</b>	
	19.13.1 25 mm nominal bore	593.80	640.60
	19.13.2 32 mm nominal bore	765.35	1140.00
	19.13.3 40 mm nominal bore	963.70	1298.20
	19.13.4 50 mm nominal bore 19.13.5 65 mm nominal bore	1503.65 2337.55	1798.00 2832.60
	19.13.6 80 mm nominal bore	3479.55	3546.45
19.14	Providing and fixing brass ferrule with C.I. mouth cover including	3417.33	3340.43
19.14	boring and tapping the main		
	19.14.1 15 mm nominal bore	each	348.85
	19.14.2 20 mm nominal bore	each	412.05
	19.14.3 25 mm nominal bore	each	527.90
19.15	Providing and fixing uplasticized PVC connection pipe with brass unions	Cucii	527.50
17.10	19.15.1 30 cm length		
	19.15.1.1 15 mm nominal bore	each	107.75
	19.15.1.2 20 mm nominal bore	each	121.15
	19.15.2 45 cm length		
	19.15.2.1 15 mm nominal bore	each	118.80
	19.15.2.2 20 mm nominal bore	each	132.20
19.16	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet		
	19.16.1 100 mm diameter	each	544.40
	19.16.2 150 mm diameter	each	722.70
	C.I. / DUCTILE IRON PIPES AND SPECIALS		
19.17	Laying in position centrifugally cast (spun) iron S&S or flanged pipes		
	(excluding cost of pipe)	quintal	270.10
19.18	Laying in position S&S or flanged C.I. special such as tees, bends,		
	collars, tapers and caps etc. (excluding cost of specials)	quintal	511.55
19.19	Providing and laying S&S C.I. standard specials such as tees, bends,		
	collars, tapers, caps etc (Heavy class)		
	19.19.1 Up to 300 mm dia.	quintal	5729.50
	19.19.2 Over 300 mm dia.	quintal	5863.30
19.20	Providing and laying flanged C.I. standard specials such as tees, bends,		
	collars, tapers, caps etc., suitable for flanged jointing as per IS: 1538		
	19.20.1 Up to 300 mm dia.	quintal	8539.20
	19.20.2 Over 300 mm dia.	quintal	8806.75
10.21	Desiring and leaving COC at 15 and 15		
19.21	Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA)		
	conforming to IS - 1536:	motor	1200.10
	19.21.1 100 mm dia. pipe 19.21.2 125 mm dia. pipe	meter	1497.25
	19.21.2 123 mm dia. pipe 19.21.3 150 mm dia. pipe	meter	1497.25
	19.21.4 200 mm dia. pipe	meter meter	3057.30
	19.21.4 200 mm dia. pipe 19.21.5 250 mm dia. pipe	meter	3994.00
	19.21.6 300 mm dia. pipe	meter	5381.35
	19.21.7 350 mm dia. pipe	meter	6458.40
	19.21.8 400 mm dia. pipe	meter	8493.70
	19.21.9 450 mm dia. pipe	meter	10284.00
	19.21.10 500 mm dia. pipe	meter	11945.80
	19.21.11 600 mm dia. pipe	mete	16686.00
19.22	Providing lead caulked joints to spun iron or C.I. pipes and specials		
<b></b> _	including testing of joints but excluding the cost of pig lead		
	254	İ	

CODE	DESCRIPTION 19.0 (Water Supply)	UNIT	RATE
NO.	DESCRIPTION	OTT	₹
110.	19.22.1 100 mm dia. pipe	each	398.00
	19.22.2 125 mm dia. pipe	each	588.55
	19.22.3 150 mm dia. pipe	each	595.95
	19.22.4 200 mm dia. pipe	each	791.95
	19.22.5 250 mm dia. pipe	each	990.00
	19.22.6 300 mm dia. pipe	each	1192.40
	19.22.7 350 mm dia. pipe	each	1217.15
	19.22.8 400 mm dia. Pipe	each	1599.10
	19.22.9 450 mm dia. pipe	each	1793.45
	19.22.10500 mm dia. pipe	each	1896.75
	19.22.11 600 mm dia. pipe	each	2568.55
19.23	Supplying pig lead at site of work.	quintal	26758.75
19.24	Providing flanged joints to double flanged C.I. / D.I pipes and specials	_	
17.27	including testing to joints.		
	19.24.1 80 mm dia. pipe	each	175.70
	19.24.2 100 mm dia. pipe	each	276.70
	19.24.3 125 mm dia. pipe	each	296.75
	19.24.4 150 mm dia. pipe	each	357.25
	19.24.5 200 mm dia. pipe	each	409.45
	19.24.6 250 mm dia. pipe	each	570.60
	19.24.7 300 mm dia. pipe	each	590.70
	19.24.8 350 mm dia. pipe	each	743.85
	19.24.9 400 mm dia. pipe	each	988.65
	19.24.10 450 mm dia. pipe	each	1196.65
	19.24.11 500 mm dia. pipe	each	1350.85
	19.24.12 600 mm dia. pipe	each	1573.55
	C.I. SLUICE VALVES, FIRE HYDRANTS AND FIXTURES		
19.25	Providing and fixing C.I. sluice valves (with cap) complete with bolts,		
	nuts, rubber insertions etc. (the tail pieces if required will be paid		
	separately).		
	19.25.1 100 mm dia.		
	19.25.1.1 Class I	each	4057.95
	19.25.1.2 Class II	each	4453.85
	19.25.2 125 mm dia.		
	19.25.2.1 Class I	each	4373.50
	19.25.2.2 Class II	each	5358.10
	19.25.3 150 mm dia.		
	19.25.3.1 Class I	each	5968.85
	19.25.3.2 Class II	each	6642.55
	19.25.4 200 mm dia.		
	19.25.4.1 Class I	each	11608.75
	19.25.4.2 Class II	each	13496.45
	19.25.5 250 mm dia.		
	19.25.5.1 Class I	each	16752.05
	19.25.5.2 Class II	each	22386.30
	19.25.6 300 mm dia.		
	19.25.6.1 Class I	each	23159.45
	19.25.6.2 Class II	each	27485.30
19.26	Constructing masonry Chamber 30x30x50 cm inside, in brick work in		
	cement mortar 1:4 (1cement :4 coarse sand) for stop cock, with C.I.		
	surface box 100x100x75 mm (inside) with hinged cover fixed in cement		
	concrete slab 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone		
	aggregate 20 mm nominal size ) including necessary excavation,		
	foundation concrete 1:5:10 (1 cement :5 fine sand : 10 graded stone		

	19.0 (Water Supply)	T	
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	aggregate 40 mm nominal size) and inside plastering with cement mortar	ļ	
	1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat		
	of neat cement complete as per standard design.	ļ	
	19.26.1 With common burnt clay (non modular) bricks of class	ļ	
	designation 7.5	each	1735.00
19.27	Constructing masonry Chamber of specified size, in brick work with	ļ	
	common burnt clay (non modular) bricks of class designation 7.5 in	ļ	
	cement mortar 1:4 (1cement :4 coarse sand) and R.C.C. top slab 1:1.5:3	ļ	
	mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm	ļ	
	nominal size ) including necessary excavation, foundation concrete	ļ	
	1:5:10 (1 cement :5 fine sand : 10 graded stone aggregate 40 mm		
	nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3	ļ	
	coarse sand) 12 mm thick finished with a floating coat of neat cement	ļ	
	complete as per standard design.		
	19.27.1 For sluice valve, with C.I. surface box 100 mm top	ļ	
	diameter, 160 mm bottom diameter and 180 mm deep (inside) with	ļ	
	chained lid.	1	10.602.00
	19.27.1.1 Chamber 60x60x75 cm	each	10602.80
	19.27.1.2 Chamber 90x90x100 cm	each	18498.20
	19.27.1.3 Chamber 120x120x100 cm	each	25556.25
	19.27.2 For fire hydrant, with C.I. surface box 350x350 mm top and		
	165 mm deep (inside) with chained lid.	l-	0771 55
	19.27.2.1 Chamber 60x60x75 cm	each	9771.55
	19.27.3 For water meter complete with C.I. double flap surface box	ļ	
	<b>400x200x200</b> mm (inside) with locking arrangements 19.27.3.1 Chamber 60x45x50 cm	each	9311.85
19.28	Painting G.I. pipes and fittings with synthetic enamel white paint with	Cacii	9311.03
17.20	two coats over a ready mixed priming coat, both of approved quality for		
	new work.		
	19.28.1 15 mm diameter pipe.	meter	17.00
	19.28.2 20 mm diameter pipe.	meter	20.20
	19.28.3 25 mm diameter pipe.	meter	26.45
	19.28.4 32 mm diameter pipe.	meter	31.50
	19.28.5 40 mm diameter pipe.	meter	37.20
	19.28.6 50 mm diameter pipe.	meter	44.15
19.29	Repainting G.I. pipes and fittings with synthetic enamel white paint with		
	one coat of approved quality.		
	19.29.1 15 mm diameter pipe.	meter	8.55
	19.29.2 20 mm diameter pipe.	meter	10.05
	19.29.3 25 mm diameter pipe.	meter	12.80
	19.29.4 32 mm diameter pipe.	meter	15.25
	19.29.5 40 mm diameter pipe.	meter	17.70
	19.29.6 50 mm diameter pipe.	meter	20.95
19.30	Painting G.I. Pipes and fittings with two coats of anti-corrosive		
	bitumastic paint of approved quality.		40.55
	19.30.1 15 mm diameter pipe.	meter	10.30
	19.30.2 20 mm diameter pipe.	meter	12.25
	19.30.3 25 mm diameter pipe.	meter	15.65
	19.30.4 32 mm diameter pipe.	meter	18.75
	19.30.5 40 mm diameter pipe.	meter	21.30
	19.30.6 50 mm diameter pipe.	meter	25.55
	19.30.7 65 mm diameter pipe.	meter	31.60
10.21	19.30.8 80 mm diameter pipe.	meter	36.65
19.31	Providing and filling sand of coarser grade around the G.I. pipes in		

005=	19.0 (Water Supply)				
CODE	DESCRIPTION	UNIT	RATE		
NO.			₹		
	external work.				
	19.31.1 15 mm diameter pipe.	meter	87.20		
	19.31.2 20 mm diameter pipe.	meter	88.35		
	19.31.3 25 mm diameter pipe.	meter	90.70		
	19.31.4 32 mm diameter pipe.	meter	93.10		
	19.31.5 40 mm diameter pipe.	meter	94.25		
	19.31.6 50 mm diameter pipe.	meter	97.80		
	19.31.7 65 mm diameter pipe.	meter	154.35		
	19.31.8 80 mm diameter pipe.	meter	159.05		
	19.31.9 100 mm diameter pipe.	meter	168.50		
	19.31.10 150 mm diameter pipes.	meter	250.95		
19.32	Boring with 100 mm diameter casing pipe for hand pump/tube well in all				
	soil except ordinary hard rock requiring blasting including removing the				
	casing pipe after the hand pipe / tube well is lowered and tested.				
	19.34.1 Upto 6 meters depth.	meter	545.00		
	19.34.2 Beyond 6 meter and upto 12 meter depth	meter	644.55		
	19.34.3 Beyond 12 meter and upto 18 meter depth	meter	747.20		
19.33	Providing and placing in position filters of 40 mm diameter G.I. pipe				
	with brass strainer of approved quality.	meter	810.70		
19.34	Providing and fixing to filters and lowering to proper levels 40 mm G.I.				
	pipe for tube well including cleaning and priming the tube well.	meter	540.20		
19.35	Providing and placing in position hand pump of approved quality for 40	Hieter	3 10.20		
17.00	mm diameter G.I. pipe complete with all accessories.	each	1226.80		
19.36	Providing and fixing G.I. Union in G.I. pipe including cutting and	Cucii	1220.00		
17.30	threading the pipe and making long screws etc. complete (new work)				
	19.36.1 15 mm nominal bore	each	264.25		
	19.36.2 20 mm nominal bore	each	288.30		
	19.36.2 20 mm nominal bore 19.36.3 25 mm nominal bore	each	320.40		
	19.36.4 25 mm nominal bore 19.36.4 32 mm nominal bore	each each	320.40		
	19.36.4 32 mm nominal bore 19.36.5 40 mm nominal bore				
		each	420.75		
	19.36.6 50 mm nominal bore	each	611.25		
	19.36.7 65 mm nominal bore	each	908.25		
10.25	19.36.8 80 mm nominal bore	each	1100.90		
19.37	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and				
	threading the pipe and making long screws including excavation,				
	refilling the earth or cutting of wall and making good the same complete				
	wherever required.	a a a 1.	664.25		
	19.37.1 15 mm nominal bore	each	664.25		
	19.37.2 20 mm nominal bore	each	688.35		
	19.37.3 25 mm nominal bore	each	720.45		
	19.37.4 32 mm nominal bore	each	780.65		
	19.37.5 40 mm nominal bore	each	820.80		
	19.37.6 50 mm nominal bore	each	1156.70		
	19.37.7 65 mm nominal bore	each	1453.75		
	19.37.8 80 mm nominal bore	each	1646.40		
19.38	Providing and placing on terrace (at all floor levels) polyethylene water				
	storage tank ISI: 12701 marked, with cover and suitable locking				
	arrangement and making necessary holes for inlet, outlet and overflow	per liter			
	pipes but without fittings and the base support for tank	capacity	8.75		
19.38A	Providing and fixing rectangular high density polyethylene water storage				
	loft tank with cover, conforming to ISI: 12701, colour of opaque white or				
	as approved by Engineer-in-charge. The rate includes making necessary				
	holes for inlet, outlet & over flow pipes. The base support i/c fittings &	per liter			
	fixtures for tank shall be paid separately.	capacity	8.75		
<u> </u>	257	I.			

	19.0 (Water Supply)	1	_
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	C.P. BRASS FITTINGS		
19.39	Providing and fixing 15 mm nominal bore C.P. brass bib cock of		
	approved quality conforming to IS: 8931	each	583.25
19.40	Providing and fixing 15 mm nominal bore C.P. brass long nose bib cock		
	of approved quality conforming to IS standards and weighing not less		
	than 810 gms.	each	712.60
19.41	Providing and fixing 15 mm nominal bore C.P. brass long body bib cock		
	of approved quality conforming to IS standards and weighing not less		
	than 690 gms	each	704.80
19.42	Providing and fixing 15 mm nominal bore C.P. stop cock (concealed) of		
	standard design and of approved make conforming to IS: 8931	each	690.30
19.43	Providing and fixing 15 mm nominal bore C.P. brass angle valve for		
151.10	basin mixer and geyser points of approved make conforming to IS: 8931	each	582.35
19.43A	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm)	Cucii	302.33
17.43/1	of approved make and quality as per direction of Engineer-in-		
	charge.	each	69.85
19.44	Providing and fixing 15 mm nominal bore of standard back type C.P.	Cacii	07.03
17,44	brass close hole basin mixer pillar tap of approved quality and make,		
			2072 10
	weighing not less than 1.970 kg.	each	2072.10
10.45	P.T.M.T. FITTING:		
19.45	Providing and fixing PTMT bib cock of approved quality and colour.		
	19.45.1 15 mm nominal bore, 86 mm long, weighing not less than		10100
	88 gms.	each	196.90
	19.45.2 15 mm nominal bore 122 mm long, weighing not less than		
	99 gms.	each	262.45
	19.45.3 15 mm nominal bore, 165 mm long, weighing not less than		
	110 gms.	each	310.00
	19.45.4 15 mm nominal bore, 90 mm long, weighing not less than		
	93 gms	each	211.60
19.46	Providing and fixing PTMT stop cock of approved quality and color.		
	19.46.1 15 mm nominal bore, 86 mm long, weighing not less than		
	88 gms.	each	203.55
	19.46.2 20 mm nominal bore 89 mm long, weighing not less than		
	88 gms.	each	234.35
	19.46.3 Concealed stop cock, 15 mm nominal bore, 108 mm long,		
	weighing not less than 108 gms.	each	290.55
19.47	Providing and fixing PTMT pillar cock of approved quality and colour.		
	19.47.1 15 mm nominal bore, 107 mm long, weighing not less than		
	110 gms.	each	295.30
	19.47.2 15 mm nominal bore 125 mm long foam flow, weighing		
	not less than 120 gms.	each	331.45
19.48	Providing and fixing PTMT, push cock of approved quality and colour.		
	19.48.1 15 mm nominal bore, 98 mm long, weighing not less than		
	75 gms.	each	163.45
	19.48.2 12 mm nominal bore, 80 mm long, weighing not less than		
	46 gms.	each	203.55
19.49	Providing and fixing PTMT grating of approved quality and colour.		
	19.49.1 Circular type		
	19.49.1.1 100 mm nominal dia.	each	51.40
	19.49.1.2 125 mm nominal dia with 25mm waste hole	each	47.35
	19.49.2 Rectangular type with open able circular lid.	Cacii	71.33
	19.49.2.1 Rectangular type with open able circular lid. 19.49.2.1 150 mm nominal size square 100 mm diameter of the inner		
		anch	107 05
	hinged round grating.	each	187.85

	19.0 (Water Supply)	1	1
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	AIR VALVE AND WATER METER (BULK TYPE)		
19.50	Providing and fixing C.I. double acting air valve of approved quality		
	with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers		
	etc. if required will be paid separately).	_	
	19.50.1 50 mm dia.	each	5159.20
	19.50.2 80 mm dia.	each	6242.90
	19.50.3 100 mm dia.	each	8201.30
19.51	Providing and fixing enclosed type water meter (bulk type) conforming		
	to IS: 2373 and tested by Municipal Board complete with bolts, nuts,		
	rubber insertions etc. (The tail pieces if required will be paid separately)		
	19.51.1 80 mm dia. nominal bore	each	3632.70
	19.51.2 100 mm dia. nominal bore	each	5367.30
	19.51.3 150 mm dia. nominal bore	each	7829.00
	19.51.4 200 mm dia. nominal bore	each	8572.25
19.52	Providing and fixing C.I dirt box strainer for bulk type water meter with		
	nuts, bolts, rubber insertions etc. Complete conforming to IS: 2373.		
	19.52.1 80mm dia	each	4067.50
	19.52.2 100mm dia	each	6574.10
	19.52.3 150mm dia	each	8344.10
	19.52.4 200mm dia	each	11682.95
19.53	Providing and fixing PTMT Ball cock of approved quality, colour and		
	make complete with epoxy coated aluminium rod with L.P/H.P.H.D		
	plastic balls.		
	19.53.1 15mm nominal bore, 105mm long, weighing not less than		
	138gms.	each	343.80
	19.53.2 20mm nominal bore, 120mm long, weighing not less than		
	198gms.	each	496.75
	19.53.3 25mm nominal bore, 152mm long, weighing not less than		
	440gms.	each	871.80
	19.53.4 40mm nominal bore, 206mm long, weighing not less than		
	690 gms	each	1385.55
	19.53.5 50mm nominal bore, 242mm long, weighing not less than		
	1240gms.	each	1997.00
19.54	Providing and fixing PTMT angle stop cock 15mm nominal bore,		
	weighing not less than 85gms.	each	233.00
19.55	Providing and fixing PTMT swivelling shower, 15mm nominal bore,		
	weighing not less than 40gms.	each	209.90
19.56	Providing and fixing PTMT soap dish holder having length of 138mm,		
	breadth 102mm, height of 75mm with concealed fitting arrangements,		
	weighing not less than 106gms.	each	230.00
19.57	Providing and laying S&S C.I. Standard specials such as tees, bends,		
	collars tapers and caps etc, suitable for flanged jointing as per IS: 1538		
	19.57.1 Upto 300 mm dia.	quintal	7455.45
	19.57.2 Above 300 mm dia.	quintal	8806.75
		1	
19.58	Providing and laying S&S C.I. Standard specials suitable for mechanical		
	jointing as per IS: 13382		
	19.58.1 Upto 300 mm dia.	quintal	11979.00
	19.58.2 Above 300 mm dia.	quintal	12617.20
19.59	Providing and laying D.I. Specials of Class K-12 suitable for push-on	1	
17.07	l jointing as per IS: 9523		
19.09	jointing as per IS : 9523 19.59.1 Upto 600 mm dia.	quintal	17102.00

~~~		19.0 (Water Supply)		
CODE	DESCRI	PTION	UNIT	RATE
NO.	D 11	II : DIG : I CGL W 10 : II C I I I		₹
19.60	_	and laying D.I. Specials of Class K-12 suitable for mechanical		
	19.60.1	s per IS: 9523	anintal	17071 65
	19.60.1	Upto 600 mm dia. Above 600 mm dia.	quintal quintal	17971.65 25597.90
19.61		push-on-joints to Centrifugally (Spun) Cast Iron Pipes or	quintai	23391.90
19.01	_	on Pipes including testing of joints and including the cost of		
	rubber gas			
	19.61.1	100 mm dia pipes	each	94.80
	19.61.2	150 mm dia pipes	each	150.35
	19.61.3	200 mm dia pipes	each	221.90
	19.61.4	250 mm dia pipes	each	270.65
	19.61.5	300 mm dia pipes	each	346.20
	19.61.6	350 mm dia pipes	each	367.60
	19.61.7	400 mm dia pipes	each	564.20
	19.61.8	450 mm dia pipes	each	653.10
	19.61.9	500 mm dia pipes	each	697.55
	19.61.10	600 mm dia pipes	each	936.55
	19.61.11	650 mm dia pipes	each	1227.55
	19.61.12	700 mm dia pipes	each	1347.95
	19.61.13	800 mm dia pipes	each	1545.10
	19.61.14	900 mm dia pipes	each	1913.50
	19.61.15	1000 mm dia pipes	each	2223.80
19.62	Providing	and laying Double Flanged (screwed / welded) Centrifugally		
		st Iron, Class B (IS: 1536)		
	19.62.1	100 mm dia C.I. Double Flanged Pipe	meter	1825.65
	19.62.2	150 mm dia C.I. Double Flanged Pipe	meter	2859.50
	19.62.3	200 mm dia C.I. Double Flanged Pipe	meter	4504.05
	19.62.4	250 mm dia C.I. Double Flanged Pipe	meter	5455.30
	19.62.5	300 mm dia C.I. Double Flanged Pipe	meter	6973.40
	19.62.6	350 mm dia C.I. Double Flanged Pipe	meter	8777.05
	19.62.7	400 mm dia C.I. Double Flanged Pipe	meter	11345.35
	19.62.8	450 mm dia C.I. Double Flanged Pipe	meter	14433.65
	19.62.9	500 mm dia C.I. Double Flanged Pipe	meter	17912.30
10.62	19.62.10	600 mm dia C.I. Double Flanged Pipe and laying S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes	meter	24807.65
19.63	_	and raying S&S Centifugany Cast (Spun)/ Ducthe from Pipes og to IS: 8329		
	19.63.1	100 mm dia Ductile Iron Class K - 7 Pipes	motor	1379.55
	19.63.1	150 mm dia Ductile Iron Class K - 7 Pipes	meter meter	1934.70
	19.63.2	200 mm dia Ductile Iron Class K - 7 Pipes	meter	2222.00
	19.63.4	250 mm dia Ductile Iron Class K - 7 Pipes	meter	2514.45
	19.63.5	300 mm dia Ductile Iron Class K - 7 Pipes	meter	3141.10
	19.63.6	350 mm dia Ductile Iron Class K - 7 Pipes	meter	3723.80
	19.63.7	400 mm dia Ductile Iron Class K - 7 Pipes	meter	4459.45
	19.63.8	450 mm dia Ductile Iron Class K - 7 Pipes	meter	5400.60
	19.63.9	500 mm dia Ductile Iron Class K - 7 Pipes	meter	6107.95
	19.63.10	600 mm dia Ductile Iron Class K - 7 Pipes	meter	7866.80
	19.63.11	700 mm dia Ductile Iron Class K - 7 Pipes	meter	10277.15
	19.63.12	800 mm dia Ductile Iron Class K - 7 Pipes	meter	12832.95
	19.63.13	900 mm dia Ductile Iron Class K - 7 Pipes	meter	16551.25
	19.63.14	1000 mm dia Ductile Iron Class K - 7 Pipes	meter	17397.10
	19.63.15	100 mm dia Ductile Iron Class K - 9 Pipes	meter	1071.50
	19.63.16	150mm dia Ductile Iron Class K - 9 Pipes	meter	1609.60
	19.63.17	200 mm dia Ductile Iron Class K - 9 Pipes	meter	2980.90
	19.63.1 8	250 mm dia Ductile Iron Class K - 9 Pipes	meter	4079.25
	19.63.19	300 mm dia Ductile Iron Class K - 9 Pipes	meter	4645.45

CODE	DESCRIPTION 19.0 (Water Supply)	UNIT	RATE
NO.	DESCRIPTION	UNII	RAIE ₹
110.	19.63.20 350 mm dia Ductile Iron Class K - 9 Pipes	meter	5299.50
	19.63.21 400 mm dia Ductile Iron Class K - 9 Pipes	meter	6009.20
	19.63.22 450 mm dia Ductile Iron Class K - 9 Pipes	meter	6989.40
	19.63.23 500 mm dia Ductile Iron Class K - 9 Pipes	meter	8738.60
	19.63.24 600 mm dia Ductile Iron Class K - 9 Pipes		10570.40
	19.63.25 700 mm dia Ductile Iron Class K - 9 Pipes	meter	14635.90
	•	meter	15840.85
	•	meter	16040.80
	•	meter	
	19.63.28 900 mm dia Ductile Iron Class K - 9 Pipes	meter	19465.15
10.74	19.63.29 1000 mm dia Ductile Iron Class K - 9 Pipes	meter	21831.80
19.64	Providing and laying Double Flanged (Screwed/ Welded) Centrifugally		
	(Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329 19.64.1 100 mm dia Ductile Iron Double Flanged		1520.60
		meter	1530.60 2295.65
	ϵ	meter	
	19.64.3 200 mm dia Ductile Iron Double Flanged	meter	2895.60
	19.64.4 250 mm dia Ductile Iron Double Flanged	meter	4107.35
	19.64.5 300 mm dia Ductile Iron Double Flanged	meter	5277.15
	19.64.6 350 mm dia Ductile Iron Double Flanged	meter	6642.20
	19.64.7 400 mm dia Ductile Iron Double Flanged	meter	8520.00
	19.64.8 450 mm dia Ductile Iron Double Flanged	meter	8978.90
	19.64.9 500 mm dia Ductile Iron Double Flanged	meter	12682.00
	19.64.10 600 mm dia Ductile Iron Double Flanged	meter	16793.45
10.65	19.64.11 700 mm dia Ductile Iron Double Flanged	meter	19914.90
19.65	Providing and fixing un plasticized P.V.C. connection pipe with PTMT		
	nuts, collars and bush of approved quality and colour	1.	01.70
	19.65.1 15 mm nominal bore with 30 cm length.	each	91.70
10.77	19.65.2 15 mm nominal bore with 45 cm length.	each	114.80
19.66	Providing and fixing PTMT extension nipple for water tank pipe, fittings		
	of approved quality and colour 19.66.1 15 mm nominal bore, weighing not less than 32gms		<i>56</i> 90
	, , ,	each	56.80
	19.66.2 20 mm nominal bore, weighing not less than 40gms	each	70.15
10.67	19.66.3 25 mm nominal bore, weighing not less than 62gms Cutting holes up to 30x30 cm in walls including making good the same:	each	103.60
19.67		ac ah	262.60
19.68	19.67.1 With common burnt clay (non modular) bricks Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing	each	363.60
19.00			
	drain pipe etc. and repairing the hole after insertion of drain pipe etc.		
	with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone		
	aggregate 20 mm nominal size), including finishing complete so as to	aaah	369.00
10.60	make it leak proof.	each	309.00
19.69	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	meter	155.80
19.70	Making hole up to 20x20 cm and embedding pipes up to 150 mm	IIICICI	133.00
13.70	diameter in masonry and filling with cement concrete 1:3:6 (1 cement : 3		
	coarse sand 6 graded stone aggregate 20 mm nominal size) including		
	disposal of malba.	meter	171.10
19.71	Disinfecting C.I. water mains by flushing with water containing	IIICICI	1/1.10
19./1	bleaching powder @ 0.5 gms per liter of water and cleaning the same		
	with fresh water, operation to be repeated three times including getting		
	the sample of water from the disinfected main tested in the municipal		
	laboratory.		
	19.71.1 80 mm diameter C.I. pipe	100 meter	1380.65
	19.71.1 80 mm diameter C.I. pipe 19.71.2 100 mm diameter C.I. pipe	100 meter	1820.75
	19.71.2 100 mm diameter C.I. pipe 19.71.3 125 mm diameter C.I. pipe	100 meter	2279.85
	19.71.3 123 mm diameter C.I. pipe 19.71.4 150 mm diameter C.I. pipe	100 meter	2738.40
	17.71.7 130 mm diamoter C.1. prpc	100 meter	2130. 4 U

~ ~	19.0 (Water Supply)		
CODE	DESCRIPTION	UNIT	RATE
NO.	10.71.5	100	₹
	19.71.5 200 mm diameter C.I. pipe	100 meter	3660.05
	19.71.6 250 mm diameter C.I. pipe	100 meter	4609.70
	19.71.7 300 mm diameter C.I. pipe	100 meter	5130.20
	19.71.8 350 mm diameter C.I. pipe	100 meter	5666.70
	19.71.9 400 mm diameter C.I. pipe	100 meter 100 meter	6231.50
	19.71.10 450 mm diameter C.I. pipe		6803.45
	19.71.11 500 mm diameter C.I. pipe	100 meter 100 meter	7406.55 8628.05
10.72	19.71.12 600 mm diameter C.I. pipe	100 meter	8028.03
19.72	Extra for every operation of disinfecting the C.I. main by flushing with water containing bleaching powder @ 0.5 gms per liter of water and		
	cleaning the same with fresh water, including getting the samples of		
	water tested in the municipal laboratory: 19.72.1 80 mm diameter C.I. pipe	100 meter	504.40
	1 1	100 meter	504.40
	19.72.2 100 mm diameter C.I. pipe	100 meter 100 meter	620.30
	19.72.3 125 mm diameter C.I. pipe		760.70
	19.72.4 150 mm diameter C.I. pipe	100 meter	887.90
	19.72.5 200 mm diameter C.I. pipe	100 meter	1369.35
	19.72.6 250 mm diameter C.I. pipe 19.72.7 300 mm diameter C.I. pipe	100 meter 100 meter	1567.25
	1 1	100 meter 100 meter	1752.45
	19.72.8 350 mm diameter C.I. pipe 19.72.9 400 mm diameter C.I. pipe	100 meter	2053.45
	1 1		2357.50
	19.72.10 450 mm diameter C.I. pipe	100 meter	2670.20
	19.72.11 500 mm diameter C.I. pipe	100 meter	2985.30
	19.72.12 600 mm diameter C.I. pipe	100 meter	3626.90
19.73	Dismantling old C.I. pipes including excavation & refilling trenches		
	after taking out the pipes, breaking lead caulked joints, melting of lead		
	& making into blocks, including stacking of pipes at site lead up to 50		
	meter:		
	19.73.1 80 mm diameter C.I. pipe	meter	294.20
	19.73.2 100 mm diameter C.I. pipe	meter	306.70
	19.73.3 125 mm diameter C.I. pipe	meter	318.45
	19.73.4 150 mm diameter C.I. pipe	meter	330.65
	19.73.5 200 mm diameter C.I. pipe	meter	368.70
	19.73.6 250 mm diameter C.I. pipe	meter	405.75
	19.73.7 300 mm diameter C.I. pipe	meter	439.00
	19.73.8 350 mm diameter C.I. pipe	meter	470.60
	19.73.9 400 mm diameter C.I. pipe	meter	499.75
	19.73.10 450 mm diameter C.I. pipe	meter	529.60
	19.73.11500 mm diameter C.I. pipe	meter	555.95
	19.73.12 600 mm diameter C.I. pipe	meter	602.45
19.74	Labour for cutting C.I. pipe with steel saw.		
	19.74.1 80 mm diameter C.I. pipe	Each cut	115.20
	19.74.2 100 mm diameter C.I. pipe	each cut	154.60
	19.74.3 125 mm diameter C.I. pipe	each cut	214.80
	19.74.4 150 mm diameter C.I. pipe	each cut	290.55
	19.74.5 200 mm diameter C.I. pipe	each cut	387.55
	19.74.6 250 mm diameter C.I. pipe	each cut	481.50
	19.74.7 300 mm diameter C.I. pipe	each cut	578.50
			672.50
	19.74.8 350 mm diameter C.I. pipe	each cut	672.50
	19.74.8 350 mm diameter C.I. pipe 19.74.9 400 mm diameter C.I. pipe	each cut	769.05
	19.74.9 400 mm diameter C.I. pipe	each cut	769.05

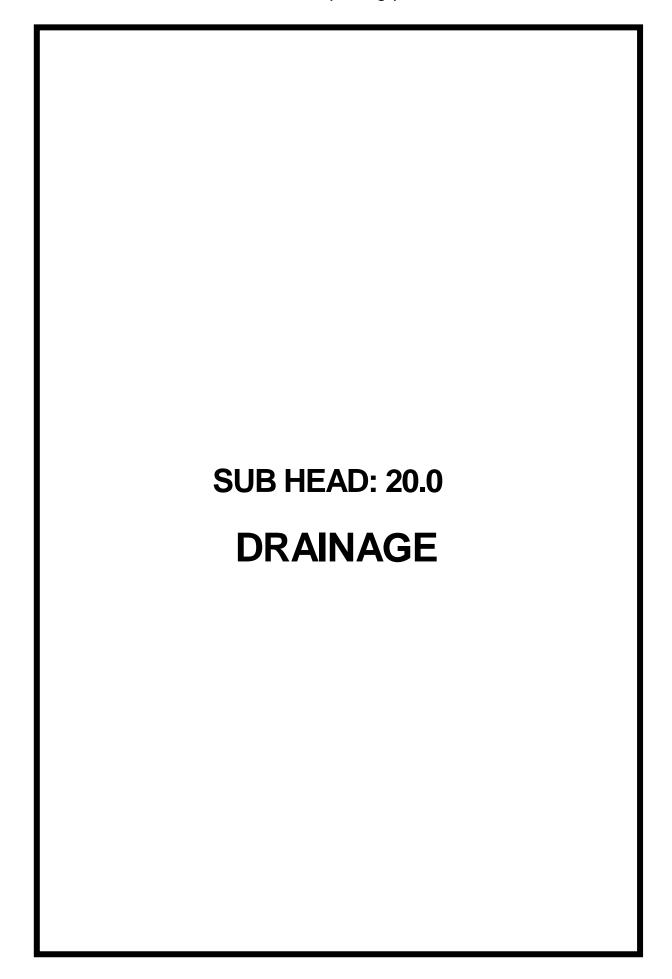
	19.0 (Water Supply)		1
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
19.75	Providing and fixing 15 mm nominal bore chrome plated brass battery		
	based infrared sensor operated pillar cock, having foam flow technology.	each	8054.60
19.76	Providing and fixing Stainless Steel pipe and fitting of grade AISI 304 as		
	per JIS standard 3448 complete with press type fitting (fitting shall be		
	paid for separately) including fixing of the pipe with clamps at 1.00 m		
	spacing including cutting and making good the walls including testing of		
	joints complete as per direction of Engineer -in-charge. (The pipe length		
	inserted in the fitting shall not be measured for payment) Internal work –		
	Exposed on wall		
	19.76.1 15.88 mm outer dia pipe	meter	346.80
	19.76.2 22.22 mm outer dia pipe	meter	501.35
	19.76.3 28.58 mm outer dia pipe	meter	586.10
	19.76.4 34.00 mm outer dia pipe	meter	768.05
	19.76.5 42.70 mm outer dia pipe	meter	783.20
	19.76.6 48.60 mm outer dia pipe	meter	1022.00
19.77	Providing and fixing Stainless Steel pipe and fitting of grade AISI 304 as		
	per JIS standard 3448 complete with press type fitting (fitting shall be		
	paid for separately) i/c fixing of the pipe with clamps at 1.00m spacing		
	and also including cutting of chases and making good the walls including		
	testing of joints complete as per direction of Engineer -in-charge. (The		
	pipe length inserted in the fitting shall not be measured for payment)		
	Internal work - Concealed Pipe		
	19.77.1 15.88 mm outer dia pipe	meter	501.70
	19.77.2 22.22 mm outer dia pipe	meter	656.25
19.78	Providing and fixing required Stainless Steel Fitting of press fit design of		
	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M profile and with O-ring sealing gasket of EPDM material of required		
	dia as per direction of Engineer-in-charge. Coupling/Socket		00.20
	19.78.1 For 15.88 mm outer dia pipe	each	80.30
	19.78.2 For 22.22 mm outer dia pipe	each	93.65
	19.78.3 For 28.58 mm outer dia pipe	each	128.80
	19.78.4 For 34.00 mm outer dia pipe	each	180.60
	19.78.5 For 42.70 mm outer dia pipe	each	214.05
10.50	19.78.6 For 48.60 mm outer dia pipe	each	240.85
19.79	Providing and fixing required Stainless Steel Fitting of press fit design of		
	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M-profile and with O-ring sealing gasket of EPDM material of required		
	dia as per direction of Engineer-in-charge. Reducer		
		anah.	145 15
	1 1	each	145.15
	19.79.2 For 28.58 mmx15.88 mm outer dia pipe	each	204.05
	19.79.3 For 28.58 mmx22.22 mm outer dia pipe 19.79.4 For 34.00 mmx15.88 mm outer dia pipe	each	216.10 267.60
	19.79.4 For 34.00 mmx15.88 mm outer dia pipe 19.79.5 For 34.00 mmx22.22 mm outer dia pipe	each each	280.95
	19.79.5 For 34.00 mmx28.58 mm outer dia pipe	each	280.95
	1 1	each	501.75
		each	501.75
	1 1	each	521.80
	1 1	each	521.80
	1 1	each	568.60
	19.79.11 For 48.60 mmx15.88 mm outer dia pipe 19.79.12 For 48.60 mmx22.22 mm outer dia pipe	each	568.60
	19.79.12 For 48.60 mmx22.22 mm outer dia pipe 19.79.13 For 48.60 mmx28.58 mm outer dia pipe	each	568.60
	19.79.14 For 48.60 mmx34.00 mm outer dia pipe	each	568.60
	19.79.14 For 48.60 mmx34.00 mm outer dia pipe 19.79.15 For 48.60 mmx42.70 mm outer dia pipe	each	568.60
	17.77.13 101 40.00 mmx42.70 mm outer tha pipe	Cacii	200.00
			<u> </u>

	19.0 (Water Supply)	1	1
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
19.80	Providing and fixing required Stainless Steel Fitting of press fit design of		
	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M profile and with O-ring sealing gasket of EPDM material of required		
	dia as per direction of Engineer-in-charge.		
	Slip Coupling/ Socket		
	19.80.1 For 15.88 mm outer dia pipe	each	73.60
	19.80.2 For 22.22 mm outer dia pipe	each	93.65
	19.80.3 For 28.58 mm outer dia pipe	each	127.10
	19.80.4 For 34.00 mm outer dia pipe	each	180.60
	19.80.5 For 42.70 mm outer dia pipe	each	214.05
	19.80.6 For 48.60 mm outer dia pipe	each	234.15
10.01	1 1	Cacii	234.13
19.81	Providing and fixing required Stainless Steel Fitting of press fit design of		
	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M profile and with O-ring sealing gasket of EPDM material of required		
	dia as per direction of Engineer-in-charge. Elbow 90°		
	19.81.1 For 15.88 mm outer dia pipe	each	86.95
	19.81.2 For 22.22 mm outer dia pipe	each	93.65
	19.81.3 For 28.58 mm outer dia pipe	each	140.50
	19.81.4 For 34.00 mm outer dia pipe	each	160.55
	19.81.5 For 42.70 mm outer dia pipe	each	173.95
	19.81.6 For 48.60 mm outer dia pipe	each	214.05
19.82	Providing and fixing required Stainless Steel Fitting of press fit design of		
	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M profile and with O-ring sealing gasket of EPDM material of required		
	dia as per direction of Engineer-in-charge.		
	Reducing Elbow 90°		
	19.82.1 For 22.22 mmx15.88 mm outer dia pipe	each	200.70
	19.82.2 For 28.58 mmx15.88 mm outer dia pipe	each	280.95
	19.82.3 For 28.58 mmx22.22 mm outer dia pipe	each	334.50
	19.82.4 For 34.00 mmx22.22 mm outer dia pipe	each	394.70
	19.82.5 For 34.00 mmx28.58 mm outer dia pipe	each	468.30
	19.82.6 For 42.70 mmx34.00 mm outer dia pipe	each	521.80
	19.82.0 1 of 42.70 min 34.00 min outer dia pipe	eacii	321.60
19.83	Providing and fixing required Stainless Steel Fitting of press fit design of		
19.03			
	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M profile and with O-ring sealing gasket of EPDM material of required		
	dia as per direction of Engineer-in-charge.		
	Equal Tee		224.15
	19.83.1 For 15.88 mm outer dia pipe	each	234.15
	19.83.2 For 22.22 mm outer dia pipe	each	334.50
	19.83.3 For 28.58 mm outer dia pipe	each	394.70
	19.83.4 For 34.00 mm outer dia pipe	each	588.70
	19.83.5 For 42.70 mm outer dia pipe	each	929.85
	19.83.6 For 48.60 mm outer dia pipe	each	1224.20
19.84	Providing and fixing required Stainless Steel Fitting of press fit design of		
	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M profile and with O-ring sealing gasket of EPDM material of required		
	dia as per direction of Engineer-in-charge.		
	Reducing Tee		
	19.84.1 For 22.22 mmx15.88 mm outer dia pipe	each	247.50
	19.84.2 For 28.58 mm x15.88 mm outer dia pipe	each	388.00
	19.84.3 For 28.58 mmx22.22 mm outer dia pipe	each	388.00
	19.84.4 For 34.00 mmx15.88 mm outer dia pipe	each	588.70
	19.84.5 For 34.00 mmx22.22 mm outer dia pipe	each	588.70
	19.84.6 For 34.00 mmx28.58 mm outer dia pipe	each	588.70
	17.04.0 POL 34.00 Hilli 20.30 Hilli Outer dia pipe	Cacii	300.70

CODE	DESCRI	19.0 (Water Supply) PTION	UNIT	RATE
NO.	DESCRI		01111	KAIE
110.	19.84.7	For 42.70 mmx15.88 mm outer dia pipe	each	923.20
	19.84.8	For 42.70 mmx22.22 mm outer dia pipe	each	923.20
	19.84.9	For 42.70 mmx28.58 mm outer dia pipe	each	923.20
		For 42.70 mmx34.00 mm outer dia pipe	each	923.20
		For 48.60 mmx15.88 mm outer dia pipe	each	1197.45
		For 48.60 mmx22.22 mm outer dia pipe	each	1197.45
		For 48.60 mmx28.58 mm outer dia pipe	each	1197.45
		For 48.60 mmx34.00 mm outer dia pipe	each	1197.45
		For 48.60 mmx42.70 mm outer dia pipe	each	1197.45
19.85		and fixing required Stainless Steel Fitting of press fit design of		
	_	If 304 conforming to JWWA G116 standard with V-profile or		
	_	and with O-ring sealing gasket of EPDM material of required		
		direction of Engineer-in-charge.		
	Male Thr			
	19.85.1	For 15.88 mm outer dia.x15 mm nominal dia threaded	each	247.50
	19.85.2	For 22.22 mm outer dia x15 mm nominal dia threaded	each	287.65
	19.85.3	For 22.22 mm outer dia x20 mm nominal dia threaded	each	287.65
	19.85.4	For 28.58 mm outer dia x15 mm nominal dia threaded	each	394.70
	19.85.5	For 28.58 mm outer dia x20 mm nominal dia threaded	each	394.70
	19.85.6	For 28.58 mm outer dia x25 mm nominal dia threaded	each	394.70
	19.85.7	For 34.00 mm outer dia x15 mm nominal dia threaded	each	622.15
	19.85.8	For 34.00 mm outer dia x20 mm nominal dia threaded	each	622.15
	19.85.9	For 34.00 mm outer dia x25 mm nominal dia threaded	each	622.15
		For 34.00 mm outer dia x32 mm nominal dia threaded	each	622.15
		For 42.70 mm outer dia x15 mm nominal dia threaded	each	949.95
		For 42.70 mm outer dia x20 mm nominal dia threaded	each	949.95
		For 42.70 mm outer dia x25 mm nominal dia threaded	each	949.95
		For 42.70 mm outer dia x32 mm nominal dia threaded	each	949.95
		For 42.70 mm outer dia x40 mm nominal dia threaded	each	949.95
		For 48.60 mm outer dia x15 mm nominal dia threaded	each	1197.45
		For 48.60 mm outer dia x20 mm nominal dia threaded	each	1197.45
		For 48.60 mm outer dia x25 mm nominal dia threaded	each	1197.45
		For 48.60 mm outer dia x32 mm nominal dia threaded	each	1197.45
		For 48.60 mm outer dia x40 mm nominal dia threaded	each	1197.45
		For 48.60 mm outer dia x50 mm nominal dia threaded	each	1197.45
19.86		and fixing required Stainless Steel Fitting of press fit design of		
23100	_	If 304 conforming to JWWA G116 standard with V-profile or		
	_	and with O-ring sealing gasket of EPDM material of required		
	_	direction of Engineer-in-charge.		
	-	hread Tee		
	19.86.1	For 15.88 mm outer dia x15 mm nominal dia threaded	each	247.50
	19.86.2	For 22.22 mm outer dia x15 mm nominal dia threaded	each	274.30
	19.86.3	For 22.22 mm outer dia x20 mm nominal dia threaded	each	274.30
	19.86.4	For 28.58 mm outer dia x15 mm nominal dia threaded	each	367.95
	19.86.5	For 28.58 mm outer dia x20 mm nominal dia threaded	each	367.95
	19.86.6	For 28.58 mm outer dia x25 mm nominal dia threaded	each	367.95
	19.86.7	For 34.00 mm outer dia x15 mm nominal dia threaded	each	595.40
	19.86.8	For 34.00 mm outer dia x20 mm nominal dia threaded	each	595.40
	19.86.9	For 34.00 mm outer dia x25 mm nominal dia threaded	each	595.40
	19.86.10	For 34.00 mm outer dia x32 mm nominal dia threaded	each	595.40
	19.86.11	For 42.70 mm outer dia x15 mm nominal dia threaded	each	936.55
i i	19.86.12	For 42.70 mm outer dia x20 mm nominal dia threaded	each	936.55
		For 42.70 mm outer dia x25 mm nominal dia threaded	each	936.55
	19.86.13	For 42.70 mm outer dia x25 mm nominal dia threaded For 42.70 mm outer dia x32 mm nominal dia threaded	each each	936.55 936.55

	19.0 (Water Supply)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	19.86.16 For 48.60 mm outer dia x15 mm nominal dia threaded	each	1210.85
	19.86.17 For 48.60 mm outer dia x20 mm nominal dia threaded	each	1210.85
	19.86.18 For 48.60 mm outer dia x25 mm nominal dia threaded	each	1210.85
	19.86.19 For 48.60 mm outer dia x32 mm nominal dia threaded	each	1210.85
	19.86.20 For 48.60 mm outer dia x40 mm nominal dia threaded	each	1210.85
40.0	19.86.21 For 48.60 mm outer dia x50 mm nominal dia threaded	each	1210.85
19.87	Providing and fixing required Stainless Steel Fitting of press fit design of		
	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M profile and with O-ring sealing gasket of EPDM material of required		
	dia as per direction of Engineer-in-charge.		
	Female Thread Connector/Adapter 19.87.1 For 15.88 mm outer dia x15 mm nominal dia threaded	l-	260.00
		each each	260.90 307.75
			307.75
	19.87.3 For 22.22 mm outer dia x20 mm nominal dia threaded 19.87.4 For 28.58 mm outer dia x15 mm nominal dia threaded	each	
	19.87.4 For 28.58 mm outer dia x15 mm nominal dia threaded 19.87.5 For 28.58 mm outer dia x20 mm nominal dia threaded	each	370.60
	19.87.6 For 28.58 mm outer dia x20 mm nominal dia threaded	each each	388.00 474.95
	19.87.7 For 34.00 mm outer dia x25 mm nominal dia threaded	each	548.55
	19.87.8 For 34.00 mm outer dia x22 mm nominal dia threaded	each	722.50
	19.87.9 For 42.70 mm outer dia x32 mm nominal dia threaded	each	796.05
	19.87.10 For 42.70 mm outer dia x40 mm nominal dia threaded	each	929.85
	19.87.11 For 48.60 mm outer dia x40 mm nominal dia threaded	each	1130.55
	19.87.11 For 48.60 mm outer dia x40 mm nominal dia threaded	each	1304.50
19.88	Providing and fixing required Stainless Steel Fitting of press fit design of	Cacii	1304.30
19.00	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M profile and with O-ring sealing gasket of EPDM material of required		
	dia as per direction of Engineer-in-charge.		
	Male Thread Connector/Adapter		
	19.88.1 For 15.88 mm outer dia x15 mm nominal dia threaded	each	260.90
	19.88.2 For 22.22 mm outer dia x15 mm nominal dia threaded	each	307.75
	19.88.3 For 22.22 mm outer dia x20 mm nominal dia threaded	each	341.15
	19.88.4 For 28.58 mm outer diax20 mm nominal dia threaded	each	434.85
	19.88.5 For 28.58 mm outer dia x25 mm nominal dia threaded	each	434.85
	19.88.6 For 34.00 mm outer dia x25 mm nominal dia threaded	each	635.50
	19.88.7 For 34.00 mm outer dia x32 mm nominal dia threaded	each	755.95
	19.88.8 For 42.70 mm outer dia x32 mm nominal dia threaded	each	868.30
	19.88.9 For 42.70 mm outer dia x40 mm nominal dia threaded	each	976.70
	19.88.10 For 48.60 mm outer dia x40 mm nominal dia threaded	each	1137.25
	19.88.11 For 48.60 mm outer dia x50 mm nominal dia threaded	each	1525.25
19.89	Providing and fixing required Stainless Steel Fitting of press fit design of		
	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M profile and with O-ring sealing gasket of EPDM material of required		
	dia as per direction of Engineer-in-charge.		
	Valve Connector		
	19.89.1 For 15.88 mm outer dia x15 mm nominal dia threaded	each	314.40
	19.89.2 For 22.22 mm outer dia x15 mm nominal dia threaded	each	374.60
	19.89.3 For 22.22 mm outer dia x20 mm nominal dia threaded	each	414.75
	19.89.4 For 28.58 mm outer dia x25 mm nominal dia threaded	each	568.60
	19.89.5 For 34.00 mm outer dia x32 mm nominal dia threaded	each	862.95
	19.89.6 For 42.70 mm outer dia x40 mm nominal dia threaded	each	1177.40
	19.89.7 For 48.60 mm outer dia x50 mm nominal dia threaded	each	1618.90
19.90	Providing and fixing required Stainless Steel Fitting of press fit design of		
	grade AISI 304 conforming to JWWA G116 standard with V-profile or		
	M profile and with O-ring sealing gasket of EPDM material of required		
			-

19.0 (Water Supply)			
CODE NO.	DESCRIPTION	UNIT	RATE ₹
	dia as per direction of Engineer-in-charge.		
	Female Threaded Elbow 90°		
	19.90.1 For 15.88 mm outer dia x15 mm nominal dia threaded	each	214.05
	19.90.2 For 22.22 mm outer dia x15 mm nominal dia threaded	each	287.65
	19.90.3 For 22.22 mm outer dia x20 mm nominal dia threaded	each	287.65
	19.90.4 For 25.58 mm outer dia x25 mm nominal dia threaded	each	287.65
	19.90.5 For 34.00 mm outer dia x32 mm nominal dia threaded	each	394.70
	19.90.6 For 42.70 mm outer dia x32 mm nominal dia threaded	each	642.20
	19.90.7 For 42.70 mm outer dia x40 mm nominal dia threaded	each	642.20
	19.90.8 For 48.60 mm outer dia x40 mm nominal dia threaded	each	949.95
	19.90.9 For 48.60 mm outer dia x50 mm nominal dia threaded	each	949.95
19.91	Providing and fixing required Stainless Steel Fitting of press fit design	n of	
	grade AISI 304 conforming to JWWA G116 standard with V-profile	e or	
	M profile and with O-ring sealing gasket of EPDM material of requi	red	
	dia as per direction of Engineer-in-charge.		
	Male Threaded Elbow 90°		
	19.91.1 For 15.88 mm outer dia x15 mm nominal dia threaded	each	260.90
	19.91.2 For 22.22 mm outer dia x15 mm nominal dia threaded	each	301.05
	19.91.3 For 22.22 mm outer dia x20 mm nominal dia threaded	each	301.05
	19.91.4 For 28.58 mm outer dia x25 mm nominal dia threaded	each	301.05
	19.91.5 For 34.00 mm outer dia x25 mm nominal dia threaded	each	388.00
	19.91.6 For 34.00 mm outer dia x32 mm nominal dia threaded	each	388.00
	19.91.7 For 42.70 mm outer dia x32 mm nominal dia threaded	each	642.20
	19.91.8 For 42.70 mm outer dia x40 mm nominal dia threaded	each	642.20
	19.91.9 For 48.60 mm outer dia x40 mm nominal dia threaded	each	929.85
	19.91.10 For 48.60 mm outer dia x50 mm nominal dia threaded	each	929.85
19.92	Providing and fixing required Stainless Steel Fitting of press fit design	n of	
	grade AISI 304 conforming to JWWA G116 standard with V-profile	e or	
	M profile and with O-ring sealing gasket of EPDM material of requi	red	
	dia as per direction of Engineer-in-charge.		
	Сар		
	19.92.1 For 15.88 mm outer dia pipe	each	64.20
	19.92.2 For 22.22 mm outer dia pipe	each	93.65
	19.92.3 For 28.58 mm outer dia pipe	each	120.40
	19.92.4 For 34.00 mm outer dia pipe	each	234.15
	19.92.5 For 42.70 mm outer dia pipe	each	334.50
	19.92.6 For 48.60 mm outer dia pipe	each	434.85
19.93	Providing and fixing required Stainless Steel Fitting of press fit design		
	grade AISI 304 conforming to JWWA G116 standard with V-profile		
	M profile and with O-ring sealing gasket of EPDM material of requi	red	
	dia as per direction of Engineer-in-charge.		
	Pipe Bridge		
	19.93.1 For 15.88 mm outer dia pipe	each	294.35
	19.93.2 For 22.22 mm outer dia pipe	each	388.00
	19.93.3 For 28.58 mm outer dia pipe	each	555.25



	Note: The rates given for all the items under sub-head 'Drainage' are applicable to work executed in soils above sub-soil water level. Extra allowance has to be made for work under sub-soil water level			
CODE	DESCRIPTION	UNIT	RATE	
NO.	BESCHI TION	01111	₹	
1101	(A) STONE WARE PIPES AND FITTINGS		`	
20.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with			
20.1	stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine			
	sand) including testing of joints etc. complete.			
	20.1.1 100 mm diameter	meter	395.50	
	20.1.1 100 mm diameter 20.1.2 150 mm diameter	meter	681.25	
	20.1.3 200 mm diameter	meter	860.90	
	20.1.4 230 mm diameter		1014.35	
	20.1.5 250 mm diameter	meter meter	1166.40	
	20.1.6 300 mm diameter		1270.50	
20.2		meter	1270.30	
20.2	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand:			
	10 graded stone aggregate 40 mm nominal size) including bed concrete			
	as per standard design.			
	20.2.1 All around S.W. pipe		714.20	
	20.2.1.1 100 mm diameter S.W. pipe	meter	714.30	
	20.2.1.2 150 mm diameter S.W. pipe	meter	873.60	
	20.2.1.3 200 mm diameter S.W. pipe	meter	1018.40	
	20.2.1.4 230 mm diameter S.W. pipe	meter	1114.90	
	20.2.1.5250 mm diameter S.W. pipe	meter	1177.65	
	20.2.2 Upto haunches of S.W. pipe			
	20.2.2.1100 mm diameter S.W. pipe	meter	339.50	
	20.2.2.2 150 mm diameter S.W. pipe	meter	550.20	
	20.2.2.3200 mm diameter S.W. pipe	meter	646.75	
	20.2.2.4230 mm diameter S.W. pipe	meter	709.50	
	20.2.2.5 250 mm diameter S.W. pipe	meter	752.95	
	20.2.2.6 300 mm diameter S.W. pipe	meter	868.75	
	20.2.2.7 DELETED			
	20.2.2.8 DELETED			
	20.2.2.9 DELETED			
20.3	Providing and fixing square- mouth S.W. gully trap class SP-1 complete			
	with C.I. grating brick masonry chamber with water tight C.I. cover with			
	frame of 300x300 mm size (inside) the weight of cover to be not less			
	than 4.50 kg and frame to be not less than 2.70 kg as per standard design.			
	20.3.1 100 x 100 mm size P type			
	20.3.1.1 With common burnt clay F.P.S. (non modular) bricks of class			
	designation 7.5	each	2516.45	
	20.3.1.2 With Sewer bricks conforming to IS: 4885	each	2276.45	
	20.3.2 150 x 100 mm size P type			
	20.3.2.1 With common burnt clay F.P.S. (non modular) bricks of class			
	designation 7.5	each	2645.80	
	20.3.2.2 With Sewer bricks conforming to IS: 4885	each	2405.80	
	20.3.3180 x 150 mm size P type			
	20.3.3.1 With common burnt clay F.P.S. (non modular) bricks of class			
	designation 7.5	each	2620.60	
	20.3.3.2 With Sewer bricks conforming to IS: 4885	each	2380.60	
	Ĭ			
20.4	Dismantling of old S.W. pipes including breaking of joints and bed			
	concrete stacking of useful materials near the site within 50 m lead and			
	disposal of unserviceable materials into municipal dumps:			
	20.4.1 100 mm diameter	meter	62.90	
	20.4.2 150 mm diameter	meter	69.55	
	20.4.2 130 mm diameter 20.4.3 200 mm diameter	meter	74.00	
	20.4.4 230 mm diameter	meter	76.20	
	20.4.4 250 mm diameter	meter	70.20	

	20.0 (Drainage)	1	
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	20.4.5 250 mm diameter	meter	78.45
	20.4.6 300 mm diameter	meter	82.85
	20.4.7 350 mm diameter	meter	95.45
	20.4.8 400 mm diameter	meter	104.30
	20.4.9 450 mm diameter	meter	108.75
20.5	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes		
	with collars jointed with stiff mixture of cement mortar in the proportion		
	of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete		
	20.5.1 100 mm dia. R.C.C. pipe	meter	422.25
	20.5.2 150 mm dia. R.C.C. pipe	meter	545.90
	20.5.3 250 mm dia. R.C.C. pipe	meter	746.20
	20.5.4 300 mm dia. R.C.C. pipe	meter	837.55
	20.5.5 450 mm dia. R.C.C. pipe	meter	1148.60
	20.5.6 500 mm dia. R.C.C. pipe	meter	1406.20
	20.5.7 600 mm dia. R.C.C. pipe	meter	1751.80
	20.5.8 700 mm dia. R.C.C. pipe	meter	2259.30
	20.5.9 800 mm dia. R.C.C. pipe	meter	2531.15
	20.5.10 900 mm dia. R.C.C. pipe	meter	2902.25
	20.5.11 1000 mm dia. R.C.C. pipe	meter	3591.70
	20.5.12 1100 mm dia. R.C.C. pipe	meter	3962.30
	20.5.13 1200 mm dia. R.C.C. pipe	meter	4363.15
20.6	Providing and laying non-pressure of specified class R.C.C. pipes		
	including collars/spigot jointed with stiff mixture of cement mortar in the		
	proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc.		
	complete.		
	20.6.1 Non-pressure NP-3 class (Medium duty) R.C.C. pipes		
	20.6.1.1 450 mm dia. R.C.C. pipe	meter	2008.80
	20.6.1.2600 mm dia. R.C.C. pipe	meter	2415.80
	20.6.1.3 900 mm dia. R.C.C. pipe	meter	3951.65
	20.6.1.41000 mm dia. R.C.C. pipe (laying by manual/mechanical		
	means)	meter	4653.30
	20.6.1.5 1200 mm dia. R.C.C. pipe (laying by manual/mechanical		
	means)	meter	7317.45
	20.6.1.61800 mm dia. R.C.C. pipe (laying by manual/mechanical		
	means)	meter	13228.45
	20.6.2 Non-pressure NP-4 class (Heavy duty) R.C.C. pipes		
	20.6.2.1 450 mm dia. R.C.C. pipe	meter	2475.70
	20.6.2.2600 mm dia. R.C.C. pipe	meter	3178.40
	20.6.2.3900 mm dia. R.C.C. pipe	meter	6081.65
	20.6.2.41000 mm dia. R.C.C. pipe (laying by manual/mechanical		
	means)	meter	7556.60
	20.6.2.51200 mm dia. R.C.C. pipe (laying by manual/mechanical		0070
	means)	meter	9059.45
	20.6.2.6 1800 mm dia. R.C.C. pipe (laying by manual/mechanical		105-
	means)	meter	18526.70
20.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement		
	: 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5		
	coarse sand (zone- III): 3 graded stone aggregate 20 mm nominal		
	size), foundation concrete 1:4:8 mix (1 cement : 4 coarsesand (zone- III)		
	: 8 graded stone aggregate 40 mm nominal size),inside plastering 12 mm		
	thick with cement mortar 1:3 (1 cement : 3coarse sand) finished with		
	floating coat of neat cement and making channels in cement concrete		
	1:2:4 (1 cement : 2 coarse sand : 4graded stone aggregate 20 mm		
	nominal size) finished with a floatingcoat of neat cement complete as per		
	standard design :		

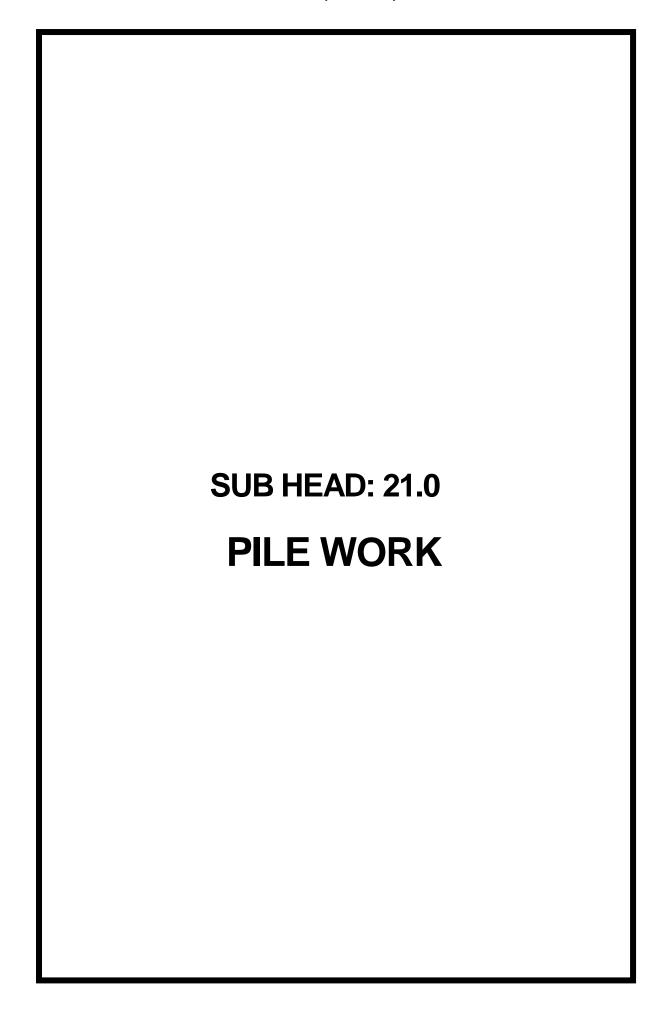
	20.0 (Drainage)		
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	20.7.1 Inside size 90x80 cm and 45 cm deep including C.I. cover with		
	frame (light duty) 455x610 mm internal dimensions, total weight of		
	cover and frame to be not less than 38 kg (weight of cover 23 kg and		
	weight of frame 15 kg):		
	20.7.1.1 With common burnt clay F.P.S. (non modular) bricks of class		
	designation 7.5	each	11533.50
	20.7.1.2 With Sewer bricks conforming to IS: 4885	each	10905.80
	20.7.2Inside size 90x80 cm and 60 cm deep including C.I. cover with		
	frame (light duty) 455x610 mm internal dimensions, total weight of		
	cover and frame to be not less than 38 kg (weight of cover 23 kg and		
	weight of frame 15 kg):		
	20.7.2.1With common burnt clay F.P.S. (non modular) bricks of class		
	designation 7.5	each	12904.20
	20.7.2.2 With Sewer bricks conforming to IS: 4885	each	11999.60
	20.7.3Inside size 120x90 cm and 90 cm deep including C.I. cover with		
	frame (medium duty) 500 mm internal diameter, total weight of cover		
	and frame to be not less than 116 kg (weight of cover 58 kg and weight		
	of frame 58 kg):		
	20.7.3.1With common burnt clay F.P.S. (non modular) bricks of class		
	designation 7.5	each	24889.15
	20.7.3.2 With Sewer bricks conforming to IS: 4885	each	23172.25
	20.7.4Inside size 120x90 cm and 90 cm deep including C.I. cover with	cucii	231,2.23
	frame (heavy duty) 560 mm internal diameter, total weight of cover and		
	frame to be not less than 208 kg (weight of cover 108 kg and weight of		
	frame 100 kg):		
	20.7.4.1 With common burnt clay F.P.S. (non modular) bricks of class		
	designation 7.5	each	30562.65
	20.7.4.2 With Sewer bricks conforming to IS: 4885	each	29085.70
20.8	Extra for depth for manholes		
	20.8.1 Size 90x80 cm		
	20.8.1.1With common burnt clay F.P.S. (non modular) bricks of class		
	designation 7.5	meter	9059.20
	20.8.1.2 With Sewer bricks conforming to IS: 4885	meter	7231.50
	20.8.2 Size 120x90 cm	1110001	, 231.30
	20.8.2.1 With common burnt clay F.P.S. (non modular) bricks of class	4	10050 50
	designation 7.5	meter	10852.50
	20.8.2.2 With Sewer bricks conforming to IS: 4885	meter	8674.00
20.9	Constructing brick masonry circular type manhole 0.91 m internal dia at		
	bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse		
	sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1		
	cement: 3 coarse sand) finished with a floating coat of neat cement,		
	foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone		
	aggregate 40 mm nominal size), and making necessary channel in		
	cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone		
	aggregate 20 mm nominal size) finished with a floating coat of neat		
	cement, all complete as per standard design:		
	20.9.10.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20		
	grade designation) 560 mm internal diameter conforming to I.S. 12592,		
	total weight of cover and frame to be not less than 182 kg., fixed in		
	cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone		
	aggregate 20 mm nominal size) including centering, shuttering all		
	complete. (Excavation, foot rests and 12mm thick cement plaster at the		
	external surface shall be paid for separately):		
Ī	1 sarrate state of para for separately).		

CODE	DESCRIPTION 20.0 (Drainage)	UNIT	RATE
NO.			₹
	20.9.1.1 With common burnt clay F.P.S. (non modular) bricks of class		
	designation 7.5	each	11844.15
20.04	20.9.1.2 With Sewer bricks conforming to IS: 4885	each	10810.20
20.9A	Constructing brick masonry circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement :4coarse		
	sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1		
	cement: 3 coarse sand) finished with a floating coat of neat cement		
	foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone		
	aggregate 40 mm nominal size) and making necessary channel in cement		
	concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20		
	mm nominal size) finished with a floating coat of neat cement, all		
	complete as per standard design:		
	19.9A.1 1.68 m deep with SFRC Cover and frame (heavy duty HD- 20		
	grade designation) 560 mm internal diameter conforming to I.S. 12592,		
	total weight of cover and frame to be not less than 182 kg. fixed in		
	cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone		
	aggregate 20 mm nominal size) including centering, shuttering all		
	complete. (Excavation, foot rests and 12 mm thick cement plaster at the		
	external surface shall be paid for separately): 20.9A.1.1 With common burnt clay F.P.S. (non modular) bricks of		
	class designation 7.5	each	22968.20
	20.9A.1.2 With Sewer bricks conforming to IS: 4885	each	20531.15
	2007 11712 William St. Will St. William St		20001110
20.9B	Constructing brick masonry circular manhole 1.52 m internal dia		
	atbottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse		
	sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1		
	cement: 3 coarse sand) finished with a floating coat of neat cement,		
	foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone		
	aggregate 40 mm nominal size) and making necessary channel in cement		
	concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all		
	complete as per standard design:		
	19.9B.1 2.30 m deep with SFRC Cover and frame (heavy duty HD- 20		
	grade designation) 560 mm internal diameter conforming to I.S. 12592,		
	total weight of cover and frame to be not less than 182 kg. fixed in		
	cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone		
	aggregate 20 mm nominal size) including centering, shuttering all		
	complete. (Excavation, foot rests and 12 mm thick cement plaster at the		
	external surface shall be paid for separately):		
	20.9B.1.1 With common burnt clay F.P.S. (non modular) bricks of		
	class designation 7.5	each	50385.65
	20.9B.1.2 With Sewer bricks conforming to IS: 4885	each	43480.85
20.10	Extra depth for circular type manholes		
	20.10.1 Manhole 0.91m internal dia (at bottom) beyond 0.91 m to		
	1.67 m		
	20.10.1.1 With common burnt clay F.P.S. (non modular) bricks of		
	class designation 7.5	meter	7753.30
	20.10.1.2 With Sewer bricks conforming to IS: 4885	meter	6271.70
	20.10.2 Manhole 1.22 m internal dia (at bottom) beyond 1.68 m to		
	2.29 m		
	20.10.2.1 With common burnt clay F.P.S. (non modular) bricks of		10070.00
	class designation 7.5	meter	10079.00
	20.10.2.2 With Sewer bricks conforming to IS: 4885 20.10.3 Manhole 1.52 m internal dia (at bottom) beyond 2.30 m	meter	8081.55
	20.10.5 Maimore 1.32 in internal dia (at bottom) beyond 2.30 in		

CODE	20.0 (Drainage)	TINITE	DATE
CODE NO.	DESCRIPTION	UNIT	RATE ₹
NO.	20.10.2.1 W/d		*
	20.10.3.1 With common burnt clay F.P.S. (non modular) bricks of		22012.05
	class designation 7.5	meter	23812.85
	20.10.3.2 With Sewer bricks conforming to IS: 4885	meter	18647.55
20.11	Providing M.S. foot rests including fixing in manholes with 20x20x10cm		
	cement concrete blocks 1:3:6 (1cement : 3 coarse sand : 6 graded stone		
	aggregate 20 mm nominal size) as per standard design:		
	20.11.1 With 20x20 mm square bar	each	515.70
	20.11.2With 20 mm diameter round bar	each	458.50
20.12	Providing orange colour safety foot rest of minimum 6mm thick plastic		
	encapsulated as per IS: 10910 on 12mm dia steel bar conforming to IS:		
	1786 having minimum cross section as 23 mmx25 mm and over all		
	minimum length 263mm and width as 165mm with minimum 112 mm		
	space between protruded legs having 2 mm tread on top surface by		
	ribbing or chequering besides necessary and adequate anchoring		
	projections on tail length on 138 mm as per standard drawing and		
	suitable to with stand the bend test and chemical resistance test as per		
	specifications and having manufacture's permanent identification mark		
	to be visible even after fixing. including fixing in manholes with		
	30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6		
	graded stone aggregate 20 mm nominal size) complete as per design.	each	483.60
20.13	Replacement of M.S. foot rests in manholes including dismantling	Cucii	103.00
20.13	concrete blocks and fixing with 20x20x10 cm cement concrete blocks		
	1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size)		
	20.13.1 With 20x20 mm square bar	each	614.50
	20.13.1 With 20x20 him square bar 20.13.2 With 20 mm diameter round bar	each	557.25
20.14		eacii	331.23
20.14	Supplying and fixing C.I. cover without frame for manholes:		
	20.14.1 455x610mm rectangular C.I. cover (light duty) the weight of the		1640.90
	cover to be not less than 23 kg.	each	1640.80
	20.14.2 500 mm diameter C.I. cover (medium duty) the weight of the	1.	226675
	cover to be not less than 58 kg.	each	3366.75
	20.14.3 560 mm diameter C.I. cover (heavy duty) the weight of the		c012.05
•••	cover to be not less than 108 kg	each	6912.25
20.15	Providing and fixing in position precast R.C.C. manhole cover and frame		
	of required shape and approved quality.		
	20.15.1 LD - 2.5	_	
	20.15.1.1 Rectangular shape 600x450 internal dimensions	each	1312.35
	20.15.1.2 Square shape 450mm internal dimensions	each	1166.15
	20.15.1.3 Circular shape 450mm internal diameter	each	1166.15
	20.15.2 MD - 10		
	20.15.2.1 Square shape 450mm internal dimensions	each	1389.65
	20.15.2.2 Circular shape 500mm internal diameter	each	1176.55
	20.15.3 HD - 20		
	20.15.3.1 Circular shape 560mm internal diameter	each	1677.10
	20.15.4 EHD - 35		
	20.15.4.1 Circular shape 560mm internal dia.	each	2138.70
20.16	Supplying and fixing C.I. cover 300x300 mm without frame for gully		
	trap (standard pattern) the weight of cover to be not less than 4.5kg.	each	684.50
20.17	Making connection of drain or sewer line with existing manhole		
	including breaking into and making good the walls, floors with cement		
	concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate		
	20 mm nominal size) cement plastered on both sides with cement mortar		
	1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat		
	cement and making necessary channels for the drain etc. complete		
	20.17.1 For pipes 100 to 250 mm diameter	each	658.20
<u> </u>	20.17.1 Tot pipes 100 to 250 min diameter	- Cuc11	050.20

CODE	DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	OTT	₹
1,00	20.17.2 For pipes 250 to 300 mm diameter	each	751.80
	20.17.3 For pipes 350 to 450 mm diameter	each	1084.05
20.18	Providing sand cast iron drop connection externally for 60 cm drop from		
	branch sewer line to main sewer manhole including inspection and		
	cleaning eye with chain and lid, sand cast iron drop pipe and bend		
	encased alround with cement concrete 1:5:10 (1 cement : 5 fine sand :		
	10 graded stone aggregate 40 mm nominal size) with all centering and		
	shuttering required, cutting holes in walls and making good with brick		
	work in cement mortar 1:4 (1 cement : 4coarse sand) plastered with		
	cement mortar 1:3 (1 cement :3 coarse sand)on inside of the manhole		
	wall lead caulked joints between sand cast iron pipes and fittings, stiff		
	cement mortar 1:1 (1 cement : 1 fine sand) joints between sand cast iron		
	tee and S.W. pipe, making required channels complete as per standard		
	design and specifications:		
	20.18.1 100 mm dia. sand cast iron drop connection	each	10221.05
	20.18.2 150 mm dia. sand cast iron drop connection	each	14268.50
20.19	Extra for depths beyond 60 cm of sand cast iron drop connection		
	complete:		
	20.19.1 For 100 mm dia. sand cast iron drop connection	meter	2626.65
	20.19.2 For 150 mm dia. sand cast iron drop connection	meter	3957.65
20.20	Dismantling of manhole including R.C.C. top slab, C.I. cover with frame		
	including stacking of useful materials near the site and disposal of		
	unserviceable materials into municipal dumps within 50 m lead as per		
	directions of Engineer-in-Charge:		
	20.20.1 Rectangular manhole 90x80 cm and 45 cm deep	each	1807.30
	20.20.2 Rectangular manhole 120x90 cm and 90 cm deep	each	3177.30
	20.20.3 Rectangular arch type manhole 140x90 cm and 2.45 m deep	each	6010.80
	20.20.4 Circular manhole 122 cm diameter and 1.68m deep	each	3821.45
20.21	Extra for depth of manholes dismantled:		
	20.21.1 Rectangular manhole 90x80 cm and beyond 45 cm depth	meter	1449.95
	20.21.2 Rectangular manhole 120x90 cm and beyond 90 cm depth	meter	1727.05
	20.21.3 Rectangular arch type manhole 140x90 cm and beyond		
	2.45m depth (upto 4.25 m depth)	meter	1398.95
	20.21.4 Circular manhole 122 cm diameter and beyond 1.68m depth (2056 10
20.22	upto 2.29 m depth)	meter	2856.10
20.22	Raising manhole cover and frame slab to required level including		
	dismantling existing slab and making good the damage as required		
	(Raising depth of manhole to be paid separately).		
	20.22.1 Rectangular manhole 90x80 cm with rectangular cover	1.	2490.00
	600x450 mm of grade LD - 2.5	each	2489.90
	20.22.2 Rectangular manhole 120x90 cm with circularcover 500 mm	aaah	2010 65
	dia of grade MD - 10	each	3919.65
	20.22.3 Rectangular manhole 120x90 cm with circularcover 560 mm dia of grade HD - 20	each	3649.15
	20.22.4 Circular manhole 140 cm dia with circular cover 600 mm dia	Cacii	3047.13
	of grade EHD - 35	each	313.60
20.23	Constructing brick masonry road gully chamber of specified size with	Cacii	313.00
20.23	common burnt clay(non modular) bricks of class designation 7.5 in		
	cement mortar 1:4 (1 cement : 4coarse sand) including precast R.C.C.		
	horizontal grating with frame complete as per standard design:		
	20.23.1 Chamber size 50x45x60 cm including precast R.C.C grating		
	with frame 500x450 mm horizontal grating.	each	5679.60
	20.23.2 Chamber size 45x45x77.50 cm including precast R.C.C	Cucii	3017.00
	grating with frame 450x100 mm vertical grating.	each	6665.10
	brand with frame 150/1700 fillin voluden grading.	Cucii	0005.10

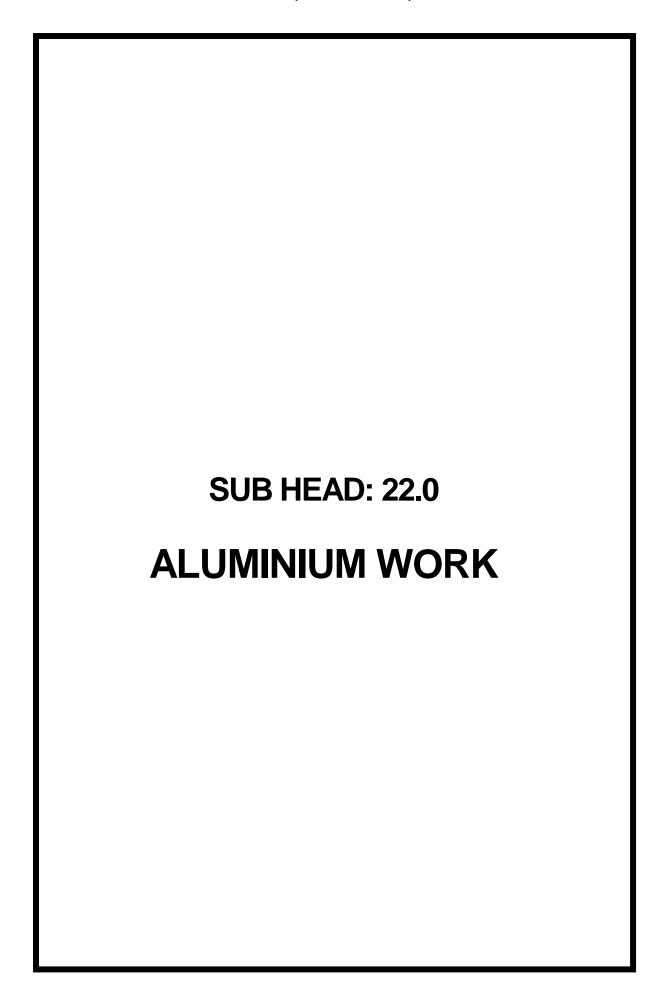
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	20.23.3 Chamber size 110x50x77.50cm including precast R.C.C		
	grating with frame 500x450 mmhorizontal and 450x100 mm vertical		
	grating.	each	11219.80
20.24	Constructing brick masonry chamber for underground C.I. inspection		
	chamber and bend with common burnt clay (non modular) bricks of class		
	designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand) C.I.		
	cover with frame (light duty) 455x610 mm internal dimensions, total		
	weight of cover with frame to be not less than 38 kg (weight of cover 23		
	kg and weight of frame 15 kg) R.C.C. top slab with 1:1 ½:3 mix (1		
	cement: 1 ½ coarse sand: 3 graded stone aggregate 20 mm nominal		
	size), foundation concrete 1:5:10 (1 cement: 5 fine sand: 10 graded stone		
	aggregate 40mm nominal size), inside plastering 12 mm thick with		
	cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a		
	floating coat of neat cement on walls and bed concrete etc. complete as		
	per standard design :		
	20.24.1 Inside dimensions 455x610 mm and 45 cm deep for single		
	pipe line-	each	6341.45
	20.24.2 Inside dimensions 500x700 mm and 45 cm deep for single		
	pipe line with one or two inlets	each	7381.40
	20.24.3 Inside dimensions 600x850 mm and 45 cm deep for single		
	pipe line with three or more inlets.	each	8703.15
20.25	Extra for depth beyond 45 cm of brick masonry chamber with common		
	burnt clay(non modular) bricks of class designation 7.5		
	20.25.1 For 455x610 mm size	meter	6303.90
	20.25.2 For 500x700 mm size	meter	6876.60
	20.25.3 For 600x850 mm size	meter	8007.30
20.26	Making soak pit 2.5 m diameter 3.0 meter deep with 45x45 cm dry brick		
	honey comb shaft with common burnt clay (non modular) bricks of class		
	designation 7.5 bricks and S.W. drain pipe 100 mm diameter, 1.8 m long		
	complete as per standard design.	each	23815.80
20.27	Constructing soak pit 1.20x1.20x1.20m filled with brickbats including		
	S.W. drain pipe 100 mm diameter and 1.20m long complete as per		
	standard design.	each	2762.45
20.28	Providing and fixing S.W. intercepting trap in manholes with stiff		
	mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing		
	of joints etc. complete:		
	20.28.1 100 mm dia	each	425.65
	20.28.2 150 mm dia	each	558.10



_	21.0 (Pile Work)				
CODE	DESCRIPTION	UNIT		RATE	
NO.				₹	
21.1	Providing, driving and installing driven cast-in-situ				
	reinforced cement concrete piles of specified grade				
	concrete mix, diameter and length below the pile cap,				
	to carry safe working load not less than specified,				
	excluding the cost of steel reinforcement but including				
	the cost of shoe and the length of pile to be embeded in				
	the pile cap etc. all complete. (Length of pile for				
	payment Shall be measured from top of shoe to the				
	bottom of pile cap)		<u>M-25</u>	M-30	<u>M-35</u>
	21.1.1 400 mm dia piles	meter	2441.45	2453.85	2466.25
	21.1.2 450 mm dia piles	meter	2969.65	2985.35	3001.10
	21.1.3 500 mm dia piles	meter	3572.40	3591.70	3611.15
	21.1.4 550 mm dia piles	meter	3876.80	3900.20	3923.75
	21.1.4 350 mm dia piles 21.1.5 750 mm dia piles	meter	6604.50	6648.00	6691.70
	21.1.6 1000 mm dia piles		10947.35	11024.65	11102.40
	<u> </u>	meter		14273.00	
	<u> </u>	meter	14161.0		14384.90
21.2	21.1.8 1500 mm dia piles	meter	19994.35	20168.35	20343.35
21.2	Boring, providing and installing bored cast-in-situ				
	reinforced cement concrete pile of specified grade				
	concrete mix, diameter and length below the pile cap,				
	to carry a safe working load not less than specified,				
	excluding the cost of steel reinforcement but including				
	the cost of boring with bentonite solution and				
	temporary casing of appropriate length for setting out				
	and removal of same and the length of the pile to be				
	embeded in the pile cap etc. all complete including				
	removal of excavated earth with all lifts and				
	leads(Length of pile for payment Shall be measured				
	from top of shoe to the bottom of pile cap)				
	21.2.1 By percussion drilling using Direct mud				
	circulation (DMC) or Bailer and chisel technique by				
	tripod and mechanical Winch Machine all complete,		<u>M-25</u>	<u>M-30</u>	<u>M-35</u>
	21.2.1.1 450 mm dia piles	meter	1941.90	1957.55	1973.30
	21.2.1.2 500 mm dia piles	meter	2275.50	2294.80	2314.25
	21.2.1.3 600 mm dia piles	meter	3095.25	3123.10	3151.10
	21.2.1.4 750 mm dia piles	meter	4693.95	4737.40	4781.10
	21.2.2 By Crawler mounted, telescopic boom				
	hydraulic pilling Rig all complete.		.=	4=====	
	21.2.2.1 600 mm dia piles	meter	4716.85	4578.10	4606.10
	21.2.2.2 750 mm dia piles	meter	6504.60	6548.10	6591.80
	21.2.2.3 1000 mm dia piles	meter	10902.85	10980.15	11057.90
	21.2.2.4 1200 mm dia piles	meter	14325.90	14437.25	14549.15
	21.2.2.5 1500 mm dia piles	meter	20623.20	20797.25	20972.20
	Note: Truck Mounted rotary/TMR/Tube well				
	boring machine shall not be used				
21.3	Boring with hydraulic pilling rigs with power units,				
	providing and installing cast-in-situ single under				
	reamed pile of specified grade concrete mix diameter				
	and length below the pile cap, to carry a safe working				
	load not less than specified, excluding the cost of steel				
	reinforcement but including the cost of boring with				
	bentonite solution and the length of the pile to be				
	embeded in pile cap etc all complete (Length of pile for				
	payment shall be measured upto the bottom of pile				
	cap).				

	21.0 (Pile Work)		ı			
CODE	DESCRIPTION	UNIT		R	ATE	
NO.					₹	
			M-25	M-	· <u>30</u>	M-35
	21.3.1 300 mm dia piles	meter	2660.75	266	8.40	2676.10
	21.3.2 400 mm dia piles	meter	3221.85	323	6.40	3251.05
	21.3.3 450 mm dia piles	meter	3555.15	357		3592.80
	21.3.4 550 mm dia piles	meter	3960.20	398		4007.60
21.4	Extra over single under reamed for providing	meter	3700.20	370.	3.00	+007.00
21.4						
	additional bulb in under reamed piles, under specified		3.5.05	3.5	20	3.5.05
	diameter. (Only the nos. of extra bulbs are to be paid).		<u>M-25</u>	<u>M</u> -		<u>M-35</u>
	21.4.1 300 mm dia piles	meter	2062.70	206		2069.25
	21.4.2 400 mm dia piles	meter	2316.40	2322		2328.85
	21.4.3 450 mm dia piles	meter	2469.45	2477	.45	2485.45
	21.4.4 550 mm dia piles	meter	2686.75	2696	5.80	2706.90
21.5	Providing, driving (with vibrating pile driving hammer					
	complete with power units and accessories) and					
	installing driven pre-cast reinforced cement concrete					
	piles of specified grade concrete mix, diameter and					
	length below the pile cap, to carry safe working load					
	not less than specified, with a central through					
	1					
	preformed hole with M.S. black pipe of dia., 40 mm for					
	grouting with cement sand grouting of mix 1:2 (1					
	cement : 2 coarse sand) under sufficient positive					
	pressure to ensure complete filling including centring,					
	shuttering, driving and removing the steel casing pipe					
	and lifting casing etc. complete but excluding the cost					
	of steel reinforcement. (Length of pile for payment					
	shall be measured from top of the shoe to the bottom of					
	pile cap).		M-25	M	-30	<u>M-35</u>
	21.5.1 400 mm dia piles	meter	3112.30		4.65	3137.05
	21.5.2 450 mm dia piles	meter	3568.10		3.75	3599.50
	21.5.3 500 mm dia piles		4074.95		4.25	4113.70
	-	meter				
	21.5.4 550 mm dia piles	meter	4636.20		9.60	4683.10
	21.5.5 750 mm dia piles	meter	8806.60		0.15	8914.05
	21.5.6 1000 mm dia piles	meter	12085.75	1210	63.05	12240.80
CODE	DESCRIPTION		UNIT			RATE
NO.						₹
21.6	Vertical load testing of piles in accordance with IS 29	11 (Part				
	IV) including installation of loading platfor					
	Kentledge/Anchor pile method and preparation of pile	•				
	construction of test cap and dismantling of test cap after					
	complete as per specification & the direction of Engi					
		neer-m-				
	Charge.					
	21.6.1 Single pile upto 50 tonne safe capacity					
	21.6.1.1 Initial test (Test Load 2.5 times the safe capacity)		per test 159533.00			
	21.6.1.2 Routine test (Test Load 1.5 times the safe capa	-	per test		17548	36.60
	21.6.2 Single pile above 50 tonne and upto 100 tonne	safe				
	capacity					
	21.6.2.1 Initial test (Test Load 2.5 times the safe capacity)		per test		241337.20	
	21.6.2.2 Routine test (Test Load 1.5 times the safe capacity)		per test	265470.90		
	21.6.3 Group of two or more piles upto 50 tonne safe		1			
	capacity					
	21.6.3.1 Initial test (Test Load 2.5 times the safe capacity)		per test		26754	14.70
	21.6.3.2 Routine test (Test Load 1.5 times the safe capacity)		per test		294299.45	
	21.0.0.2 Routine test (10st Loud 1.5 times the sale cap	Julity)	per test		<i>□</i> ノ ⊤ ∠フ	7.10

	21.0 (Pile Work)					
CODE	DESCRIPTION	UNIT	RATE			
NO.			₹			
21.7	Cyclic vertical load testing of pile in accordance with IS Code of					
	practice IS:2911 (part IV) by Kentledge method including					
	preparation of pile head etc for:					
	21.7.1 Single pile					
	21.7.1.1 Upto 50 tonne safe capacity pile	per test	175486.60			
	21.7.1.2 Above 50 tonne and upto 100 tonne safe capacity pile	per test	265470.90			
	21.7.2 Group of two or more piles					
	21.7.2.1 Upto 400tonnesafe capacity of group	per test	294299.45			
21.8	Lateral load testing of single pile in accordance with IS Code of					
	practice IS: 2911 (part IV) for determining safe allowable lateral					
	load on pile.					
	21.8.1 Upto 50 tonne capacity pile	per test	73860.85			
	21.8.2 Above 50 tonne and upto 100 tonne capacity pile	per test	83382.95			
21.9	Integrity testing of Pile using Low Strain/Sonic integrity					
	Test/Sonic Echo Test method in accordance with IS: 14893					
	including surface preparation of pile top by removing soil, mud					
	dust & chipping lean concrete lumps etc. and use of					
	computerized equipments and high skill trained personal for					
	conducting the test and submission of results, all complete as per					
	the direction of Engineer-in-charge.	per test	1032.20			
	Note: - The inclusion of the above item in the schedule of					
	work shall be judiciously decided by the technical					
	sanctioning authority, keeping in view the quality control,					
	type of soil strata & importance of the project.					



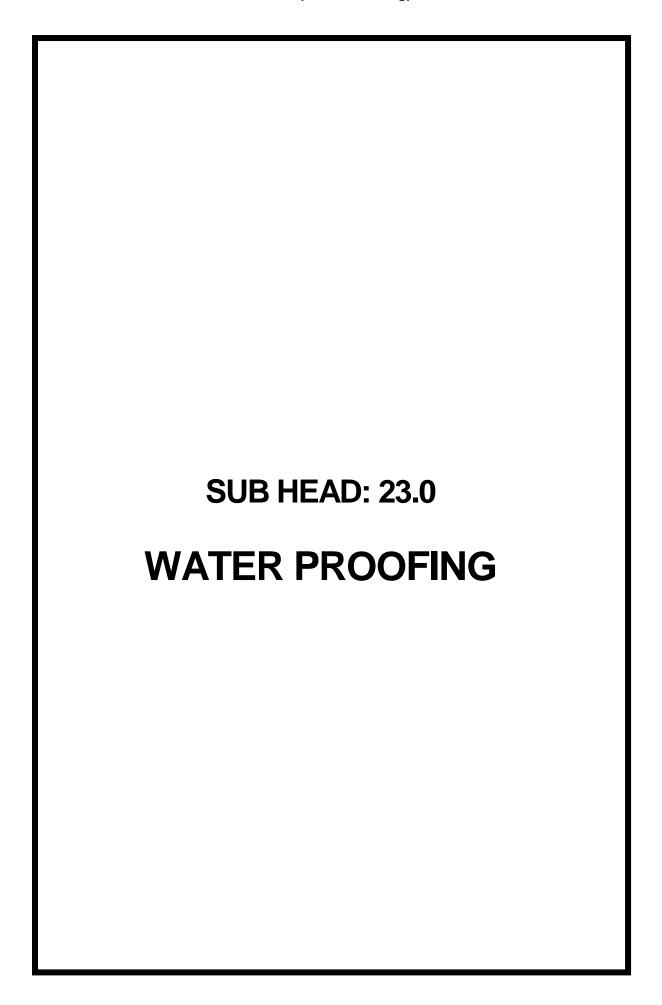
22.0 (Aluminum Work)

CODE	DESCRIPTION 22.0 (Aluminum Work)	UNIT	DATE
NO.	DESCRIPTION	UIVII	RATE ₹
22.1	Providing and fixing aluminum work for doors, windows, ventilators and		
22.1	partitions with extruded built up standard tubular sections/appropriate Z		
	sections and other sections of approved make conforming to IS: 733 and		
	IS: 1285, fixed with dash fastener of required dia. and size including		
	necessary filling up of gaps at junctions i.e, at top, bottom and sides with		
	required EPDM rubber / neoprene gasket felt etc. Aluminum sections		
	shall be smooth, rust free, straight, mitred and jointed mechanically		
	wherever required including cleat angle, Aluminum snap beading for		
	glazing / panelling, C.P. brass / stainless steel screws, all complete as per		
	architectural drawings and the directions of Engineer-in-Charge (glazing,		
	panelling and dash fasteners to be paid for separately.)		
	22.1.1 For fixed portion		
	22.1.1.1 Anodized aluminum (Anodized transparent or dyed to required		
	shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg	481.95
	22.1.1.2 Powder coated aluminum (minimum thickness of powder	17	514.00
	coated 50 microns)	Kg	514.30
	22.1.1.3 Polyester powder coated aluminum (minimum thickness of	Kg	522.70
	polyester powder coated 50 microns) 22.1.2 For shutters of doors, windows & ventilators including	Ng	344.10
	providing and fixing hinges / pivots and making provision for fixing of		
	fittings wherever required including the cost of EPDM rubber / neoprene		
	gasket required (Fittings shall be paid for separately.)		
	22.1.2.1 Anodized aluminum (Anodized transparent or dyed to required		
	shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg	574.45
	22.1.2.2 Powder coated aluminum (minimum thickness of powder		
	coated 50 microns)	kg	607.40
	22.1.2.3 Polyester powder coated aluminum (minimum thickness of		
	polyester powder coated 50 microns)	kg	616.00
22.2	Providing and fixing 12mm thick prelaminated particle board flat		
	pressed three layer or graded wood particle board (conforming to IS:		
	12823 Grade-I type-II) in panelling fixed in aluminum doors, windows		
	shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-		
	charge.		
	22.2.1 Pre-laminated particle board with decorative lamination on one		
	side and balancing lamination on other side.	sqm	947.40
	22.2.2 Pre-laminated particle board with decorative lamination on both	Sq.	<i>y</i> .,,
	sides.	sqm	933.35
22.3	Providing and fixing glazing in aluminum door, window, ventilator		
	shutters and partitions etc. with EPDM rubber / neoprene gasket etc.		
	complete as per the architectural drawings and the directions of engineer-		
	in-charge. (Cost of aluminum snap beading shall be paid in basic item.)		
	22.3.1 With floating glass panes of 4.0 mm thickness (weight not less		1061.05
	than 10.00 kg / sqm)	sqm	1061.95
	22.3.2 With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg/sqm)	cam	1201.80
	22.3.3 With float glass panes of 8 mm thickness (weight not less than	sqm	1201.60
	20.0 kg / sqm)	sqm	1584.45
		34	1551.15
22.4	Providing and fixing double action hydraulic floor spring of approved		
	brand and manufacture IS: 6315 marked, having brand logo embossed		
	on the body/plate with double spring mechanism and door weight upto		
	125 kg for doors including cost of cutting floors, embedding in floors as		
	required and making good the same matching to the existing floor		

CODE	DESCRIPTION Z2.0 (Aluminum Work)	UNIT	RATE
NO.	BESCRII TIOIY	OTVII	₹
110.	finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineerin-plate etc. complete as per the direction of Engineer-in-charge. 22.4.1 With Stainless Steel cover plate minimum 1.25 mm thickness. 22.4.2 With brass cover plate minimum 1.25 mm thickness	each	2407.05 2568.05
22.5	Providing and fixing powder coated aluminium work (minimum thickness of powder coating 50 micron) consisting of tee/ angle sections, of approved make conforming to IS: 733 in frames of false ceiling including aluminium angle cleats with necessary C.P. brass/ stainless steel sunk screws, aluminium perimeter angles fixed to wall with stainless steel rawl plugs @ 450 mm centre to centre and fixing the frame work to G.I. level adjusting hangers 6 mm dia. with necessary cadmium plated machine screws all complete as per approved architectural drawings and direction of the Engineer-in-charge (level adjusting hangers, ceiling cleats and expansion hold fasteners to be paid for separately).	kg	731.45
22.6	Providing and fixing 6mm dia. G.I level adjusting hangers (upto 1200mm length) fixed to roof slabs by means of ceiling cleats made out of G.I flat 40x3mm size 60 mm long and stainless steel expandable dash fasteners 12.5 mm dia. 50 mm long complete as per direction of Engineer-in-charge	each	69.70
22.7	Providing and fixing machine moulded aluminum covering of approved pattern & design, made out of machine-cut aluminum sheet and machine holed for receiving dash fastener, over expansion joints on vertical surfaces/ ceilings floors, the fixing on plate in one row on one side of joint only shall be done with stainless steel dash fastner of 8 mm dia. and 75 mm long bolt including providing aluminum washers 2mm thick, 15mm dia. at a staggered pitch of 200 mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete. as per drawing and direction of Engineer-in-charge	Cacii	05.70
	22.7.1 Anodized aluminum sheet 2.5 mm thick (Anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) 22.7.2 Powder coated aluminum sheet 2.5 mm thick (minimum thickness of powder coating 50 micron)	kg kg	645.55 677.85
22.8	Filling the gap in between aluminum frame and adjacent RCC/Brick/Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. 22.8.1 Upto 5mm depth and 5mm width	metre	97.15
22.9	Extra for applying additional anodic coating AC 25 instead of AC 15 to aluminum extruded sections. 22.11.1 For fixed portions 22.11.2 Shutters of doors, windows and ventilators	kg kg	13.40 13.40
22.10	Providing and fixing double glazed hermetically sealed glazing in aluminum windows, ventilators and partition etc. with 6mm thick clear float glass both side having 12mm air gap including providing EPDM gasket, perforated aluminum spacers, desiccants, silicon sealant (both primary and secondary sealant) etc. as per specifications, drawings and directions of Engineer-in-charge complete.	sqm	3947.50
22.11	Providing &fixing stainless steel (SS-304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge	Squi	3711.30

CODE	DESCRIPTION 22.0 (Aluminum Work)	UNIT	RATE
NO.	DESCRIPTION	UNII	₹
110.	complete		
	22.11.1 205x19mm	each	290.90
	22.11.2 255x19mm	each	341.75
	22.11.3 355x19mm	each	301.60
	22.11.4 510x19mm	each	789.95
	22.11.5 710x19mm	each	1365.25
22.12	Providing and fixing aluminum tubular handle bar 32mm outer dia,		
	3.0mm thick & 2100mm long with SS screw etc. complete as per		
	direction of Engineer-in-charge.		
	22.12.1 Anodized (AC 15)aluminum tubular handle bar	each	597.85
	22.12.2 Powder coated minimum thickness 50 micron aluminum		
	tabular handle bar	each	648.10
	22.12.3 Polyester powder coated minimum thickness 50 micron		
	aluminum tubular handle bar	each	661.25
22.13	Providing and fixing Brass 100mm mortice latch and lock with 6levers		
	without pair of handles (best make of approved quality) for aluminium		
	doors including necessary cutting and making good etc. complete.	each	456.40
22.14	Providing and fixing Anodized aluminum (Anodized transparent or dyed		
	to required shade according to IS: 1868 minimum anodic coating of		
	Grade AC 15) sub frame work for windows and ventilators with		
	extruded built up standard tubular sections of approved make		
	conforming to IS: 733 and IS: 1285 fixed with dash fastener of required		
	dia and size (dash fastener to be paid separately).	kg	408.35
22.15	Providing and fixing aluminum casement windows fastner of required		
	length for aluminum windows with necessary screws etc. Complete		
	22.15.1 Anodized (AC 15) aluminum	each	75.80
	22.15.2 Powder coated minimum thickness 50 micron aluminum	each	75.80
	22.15.3 Polyester powder coated minimum thickness 50 microns	1	00.45
22.16	aluminum	each	82.45
22.16	Providing and fixing aluminum round shape handle of outer dia 100mm		
	with SS screws etc. Complete as per direction of Engineer-in-charge	aaab	90.15
	22.16.1 Anodized (AC 15) aluminum 22.16.2 Powder coated minimum thickness 50 micron aluminum	each each	89.15 95.85
	22.16.3 Polyester powder coated minimum thickness 50 microns	Cacii	93.63
	aluminum	each	95.85
22.17	Providing and fixing Anodized aluminum grill (Anodized transparent or	Cacii	95.85
<i>22</i> ,1 <i>1</i>	dyed to required shade according to IS: 1868 minimum anodic coating of		
	Grade AC 15) of approved design/pattern, with approved standard		
	section and fixed to the existing windows frame with C.P. brass/stainless		
	steel screws @ 200 mm centre to centre, including cutting the grill to		
	proper opening size for fixing and operation of handles and fixing		
	approved Anodized aluminum standard section around the opening, all		
	complete as epr requirement and direction of Engineer-in-charge. (only		
	weight of grill to be measured for payment)	kg	553.80
22.18	Providing and fixing 12 mm thick frameless toughened glass door shutter	- C	
-	of approved brand and manufacture, including providing and fixing top		
	& bottom pivot &double action hydraulic floor spring type fixing		
	arrangement and making necessary holes etc. for fixing required door		
	fittings, all complete as per direction of Engineer-in-charge		
	(Door handle, lock and stopper etc.to be paid separately).	sqm	4470.20
22.19	Filling the gap in between aluminium/ stone/ wood frame and adjacent		
	RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing		
	weather/structural non sag elastomeric PU sealant over backer rod of		
	approved quality as per architectural drawings and direction of Engineer		

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	in-charge complete, complying to ASTM C920, DIN 18540- F &		
	ISO11600		
	22.19.1 Upto 5 mm depth and 5 mm width	metre	128.85
	22.19.2 Upto 10 mm depth and 10 mm width	metre	175.20
	22.19.3 Upto 20 mm depth and 20 mm width	metre	318.30



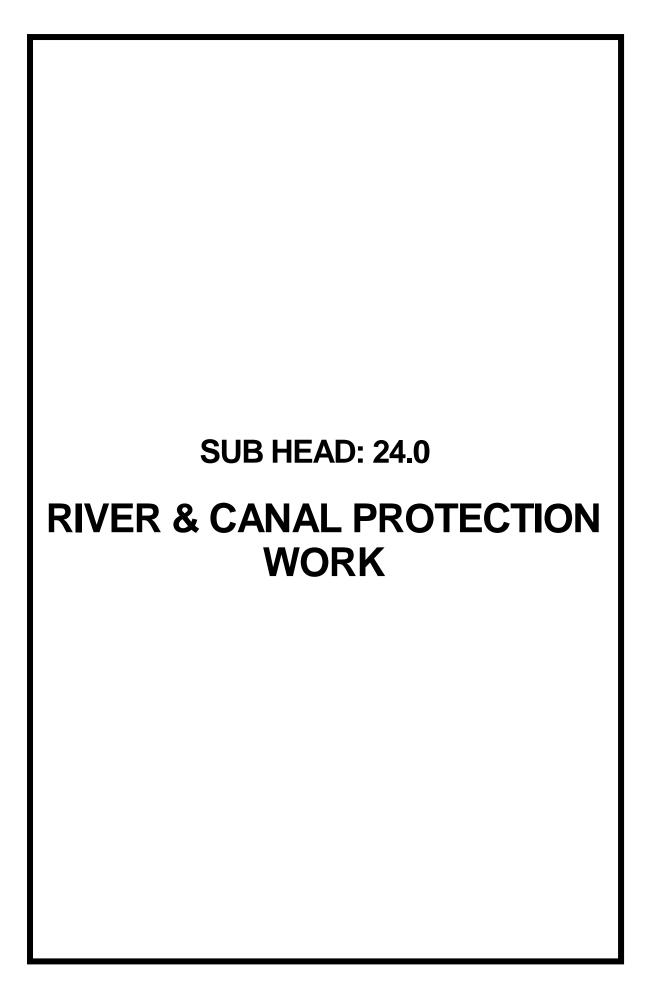
CODE	23.0 (Water Proofing)	TINITE	DATES
CODE	DESCRIPTION	UNIT	RATE ₹
NO.			
23.1	Providing and laying integral cement based treatment for water proofing		
	on horizontal surface at all depth below ground level for underground		
	structures as directed by Engineer-in-Charge and consisting of:		
	i) 1st layer of 22 mm to 25 mm thick approved and specified rough		
	stone slab over a 25 mm thick base of cement mortar 1:3 (1 cement : 3		
	coarse sand) mixed with water proofing compound conforming to		
	IS:2645 in the recommended proportion over the levelling course		
	(levelling course to be paid separately). Joints sealed and grouted with		
	cement slurry mixed with water proofing compound.		
	ii) 2nd layer of 25mm thick cement mortar 1:3 (1 cement: 3 coarse sand)		
	mixed with waterproofing compound in recommended proportions.		
	iii) Finishing top with stone aggregate of 10 mm to 12 mm nominal size		
	spreading @ 8 cudm/sqm thoroughly embedded in the 2nd layer.		
	23.1.1 Using rough kota stone.	sqm	1692.10
23.2	Providing and laying integral cement based treatment for water proofing		
	on the vertical surface by fixing specified stone slab 22 mm to 25 mm		
	thick with cement slurry mixed with water proofing compound		
	conforming to IS:2645 in recommended proportions with a gap of 20		
	mm (minimum) between stone slabs and the receiving surfaces and		
	filling the gaps with neat cement slurry mixed with water proofing		
	compound and finishing the exterior of stone slab with cement mortar		
	1:3 (1 cement : 3 coarse sand) 20mm thick with neat cement punning		
	mixed with water proofing compound in recommended proportion		
	complete at all levels and as directed by Engineer-in-Charge:		
	23.2.1 Using rough kota stone.	sqm	2156.30
23.3	Providing & laying water proofing treatment to vertical and horizontal		
	surfaces of depressed portions of W.C., kitchen & the like consisting of:		
	(i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water		
	proofing compound conforming to IS 2645 in recommended proportions		
	including rounding off junction of vertical and horizontal surface.		
	(ii) IInd course of 20 mm cement plaster 1:3 (1 cement: 3 coarse sand)		
	mixed with water proofing compound in recommended proportion		
	including rounding off junction of vertical and horizontal surface.		
	(iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7		
	kg. Per sqm of area.		
	(iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of		
	PVC sheet should be 100 mm wide and pasted to each other with		
	bitumen @ 1.7 kg/sqm).	sqm	757.50
23.4	Providing and Placing in position suitable PVC water stops conforming	_	
	to IS: 12200 for construction / expansion joints between two RCC		
	members and fixed to the reinforcement with binding wire before		
	pouring concrete etc. complete.		
	23.4.1 Serrated with central bulb (225 mm wide, 8-11mm thick)	metre	283.25
	23.4.2 Dumb bell with central bulb (180mm wide, 8mm thick)	metre	229.75
	23.4.3 Kickers (320mm wide, 5mm thick)	metre	229.75
	25.115 INOROIS (520mm wide, 5mm unex)	incut	227.13
23.5	Providing and laying water proofing treatment in sunken portion of		
40.0	WCs, bathroom etc., by applying cement slurry mixed with water		
	proofing cement compound consisting of applying:		
	(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water		
	proofing cement compound @ 0.253kg/ sqm. This layer will be allowed to air cure for 4 hours.		
	(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water		
	proofing cement compound @ 0.126 kg/sqm . This layer will be allowed		
	to air cure for 4 hours followed with water curing for 48 hours.		

	23.0 (Water Proofing)	Т	
CODE	DESCRIPTION	UNIT	RATE ₹
NO.			
	The rate includes preparation of surface, treatment and sealing of all		
	joints, corners, junctions of pipes and masonry with polymer mixed		
	slurry.	sqm	485.10
23.6	Providing and laying water proofing treatment on roofs of slabs by		
	applying cement slurry mixed with water proofing cement compound		
	consisting of applying:		
	(a) after surface preparation, first layer of slurry of cement @ 0.488		
	kg/sqm mixed with water proofing cement compound@ 0.253 kg/sqm.		
	(b) laying second layer of Fibre glass cloth when the first layer is still		
	green. Overlaps of joints of fibre cloth should not be less than 10 cm.		
	(c) third layer of 1.5 mm thickness consisting of slurry of cement @		
	1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg./sqm. and coarse sand @1.289 kg/sqm. This will be allowed to air		
	cure for 4 hours followed by water curing for 48 hours.		
	The entire treatment will be taken upto 30cm on parapet wall and tucked		
	into groove in parapet all around.		
	(d) fourth and final layer of brick tiling with cement mortar (which will		
	be paid for separately)		
	For the purpose of measurement the entire treated surface will be		
	measured.	sqm	556.20
23.7	Providing and laying integral cement based water proofing treatment	*	
	including preparation of surfaces as required for treatment of roofs,		
	balconies, terraces etc consisting of following operations.		
	a) Applying a slurry coat of neat cement using 2.75kg/sqm of cement		
	admixed with water proofing compound conforming to IS 2645 and		
	approved by Engineer-in-charge over the RCC Slab including adjoining		
	walls upto 300mm height including cleaning the surface before		
	treatment.		
	b) Laying brick bats with mortar using broken bricks/ Brick Bats 25mm		
	to 115mm size with 50% of Cement mortar 1:5 (1 Cement : 5 coarse		
	sand) admixed with water proofing compound conforming to IS 2645		
	and approved by Engineer-in-charge over 20mm thick layer of cement		
	mortar of mix 1:5 (1 Cement : 5 coarse sand) admixed with water proofing compound conforming to IS 2645 and approved by Engineer-		
	in-charge to required slope and treating similarly the adjoining walls		
	upto 300mm height including rounding of Junctions of walls and slabs)		
	c) After two days of proper curing applying a second coat of cement		
	slurry using 2.75kg/sqm of cement admixed with water proofing		
	compound conforming to IS 2645 and approved by Engineer-in-charge.		
	d) finishing the surface with 20mm thick joint less cement mortar of mix		
	1:4(1 cement: 4 coarse sand) admixed with water proofing compound		
	conforming to IS 2645 and approved by Engineer-in-charge including		
	laying glass fibre cloth of approved quality in top layer of plaster and		
	finally finishing the surface with trowel with neat cement slurry and		
	making pattern of 300x300mm/sq 3mm deep.		
	e) The whole terrace so finished shall be flooded with water for a		
	minimum period of two weeks for curing and for final test. All above		
	operations to be done in order and as directed and specified by Engineer-		
	in-charge.		
	23.7.1 With average thickness of 120mm and minimum thickness at		1404.65
23.8	khurra as 65 mm	sqm	1404.65
23.8	Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown bitumen		
	85/25 or 90/15 conforming to with bitumen felt over roofs consisting of		
	first and third courses of blown bitumen 85/25 or 90/15 conforming to IS		
<u> </u>	instanta and coarses of stown oftained 05/25 of 70/15 comorning to 15	1	1

1.702 applied hot @ 1.45 kg/sqm of area for each course, second course of roofing felt type 3 grade-1 (Hessian based self finished hitumen felt) and fourth & final course of stone grit 6 mm & down size or pea-sized gravel spread at 6 cubic decimeters per square metre including preparation of surface but excluding grading complete with: 23.8.1 Bitumen felt (Hessian based) type 2 grade 1 conforming to 1s: 1322 Providing and laying six courses water proofing treatment with bitumen applied hot at following application rates, second and fourth courses of specified roofing felt bitumen, and sixth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cubic dm per symincluding preparation of surface but excluding grading, complete. 23.9.1 Blown type Bitumen85/25 or 90/15 conforming to 1S: 702 applied hot @ 1.45, 1.20 and 1.45 kg per square metre of area respectively, roofing felt type 2 grade 1 conforming to 1S: 7193 (fibre based self finished bitumen felt) square 1.70 kg per square metre of area respectively, Roofing felt type 2 grade 1 conforming to 1S: 7193 (fibre based self finished bitumen felt) square 1.70 kg per square metre of area respectively, Roofing felt type 2 grade 1 conforming to 1S: 7193 (fibre based self finished bitumen felt) square 1.70 kg per square metre of area respectively, Roofing felt type 2 grade 1 conforming to 1S: 7193 (fibre based self finished bitumen felt) square 1.70 kg per square metre of area respectively, Roofing felt type 2 grade 1 conforming to 1S: 7193 (glass fibre base self finished bitumen felt) square 1.70 kg per square metre of area respectively, Roofing felt type 2 grade 1 conforming to 1S: 7193 (glass fibre base self finished bitumen felt) square 1.70 kg per square and 1.70 kg per square after of conforming to 1S: 7193 (glass fibre base self finished bitumen felt) square 1.70 kg per square square 1 sq		23.0 (Water Proofing)	1	1
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6 mm and down size or pea sized gravel spread at 6 cubic dm per sqm including preparation of surface but excluding grading, complete. 23.9.1 Blown type Bitumen8525 or 90/15 conforming to 1S: 702 applied hot @ 1.45, 1.20 and 1.45 Kg per square metre of area respectively, roofing felt type 3 grade I conforming to 1S: 1322 (Hessian based self finished bitumen felt) conforming to 1S: 1322 (Hessian based self finished bitumen felt) canding in the sack of 1.70 Kg per square metre of area respectively, Roofing felt type 2 grade I conforming to 1S: 7193 (fibre based self finished bitumen felt) canding in the conforming to 1S: 7193 (glass fibre base self finished bitumen felt) canding in the conforming to 1S: 7193 (glass fibre base self finished bitumen felt) canding in the sqm surface at 0.24 litre per sqm. 23.10 Supplying and applying bituminous solution primer on roof and or wall surface at 0.24 litre per sqm. 23.11.1 At 6 cubic dm per sqm canding stone grit 6mm or down size or pea sized gravel: 23.11.1 At 6 cubic dm per sqm canding stone grit 6mm or down size or pea sized gravel: 23.12.1 Cement concrete 1:2.4 (1 cement : 2 coarse sand) canding roof for water proofing treatment with canding roof for water proofing treatment with canding roof for water proofing treatment in a cum canding stone aggregate 20 mm nominal size) cum cum canding stone aggregate 20 mm nominal size) 23.12.1 Cement mortar 1:4 (1 cement : 4 Coarse sand) cum cum canding stone aggregate 20 mm nominal size) cum cum canding stone aggregate 20 mm nominal size) cum cum canding stone aggregate 20 mm nominal size) cum cum canding stone aggregate 20 mm nominal size) cum cum canding stone aggregate 20 mm nominal size) cum cum canding stone aggregate 20 mm nominal size) cum cum canding stone aggregate 20 mm nominal size) cum cum canding stone aggregate 20 mm nominal size) cum cum canding stone aggregate 20 mm nominal size) cum cum canding stone aggregate 20 mm nominal size) cum cum candinate stone aggregate 20 mm nominal size) cum cum canding stone agg				
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waterproofing liquid (dilution with water in the ratio of 3:1) and two		-		
295				

CODE	DESCRIPTION 23.0 (Water Proofing)	UNIT	RATE ₹
NO.	DESCRIPTION	ONII	NAILS
	coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	sqm	468.05
23.19	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5: 2 (5 parts integral crystalline slurry: 2 parts water) for vertical surfaces and 3: 1 (3 parts integral crystalline slurry: 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI- 212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.		
	23.19.1 For vertical surface two coats @ 0.70 kg per sqm	sqm	407.75
	23.19.2 For horizontal surface one coat @1.10 kg per sqm.	sqm	310.05
23.20	Providing & Applying polymer modified, flexible cementatious negative side waterproofing coating with elastic waterproofing polymers on interior wall plaster surface in three coats @14.35 kg/10 sqm. One coat of self priming of cementatious waterproofing polymer(dilution with water in the ratio of 1:1) and two coats of cementatious waterproofing polymer (dilution with water in the ratio of 3:1) after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible, complete in all respect as per the direction of Engineer-in-Charge.	sqm	520.95
23.21	Providing and applying integral crystalline (dry shake) of hydrophilic in nature for waterproofing treatment to the RCC structures like basement raft, foundation slab, sewage & water treatment plant slab, warehouses floor, parking structures and water tank base slab etc. sprinkled @0.60kg per sqm or higher as recommended by the manufacturer's specification over the lean concrete of above cited structures. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 85%, compared control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline dry shake shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.	sqm	267.25
23.22	Providing & Applying high quality acrylic modified resin based texture of Dholpur/Red sand stone Pattern with anti algae and UV resistance properties to be applied as intermediate finish in desired pattern @ 43.04 kgs/10 sqm to form film of 1- 1.5 mm thickness after scrapping and properly cleaning the surface to remove loose particles from the plaster surface, followed by top coating with Premium Acrylic Smooth exterior paint with Silicone additives of required shade by two or more coats @ 1.43 litres/10 sqm, complete as the direction of Engineer -in-Charge.	sqm	483.30

CODE	DESCRIPTION	UNIT	RATE ₹
NO.			
23.23	Providing and applying crystalline mortar by mixing in the ratio of 4.5:		
	1 (4.5 parts crystalline mortar : 1 part water) for the treatment of faulty		
	construction joints, cracks, tie rod holes and spalled &honeycombed		
	surface of RCC underground structures like basement, water tanks,		
	bridge deck etc. to ensure water tightness. The crystallie mortar shall		
	conform to the EN 1504-3 having compressive strength Class R4 > 45		
	MPa and adhesive bond strength Class $R3 > 1.5$ MPa. The work shall be		
	carried out all complete as per specification and the direction of the		
	Engineer-In-Charge. The product performance shall carry guarantee for		
	10 years against any leakage.		
	23.23.1 For sealing cracks and faulty construction joints, routed		
	out/making U-shape groove size 25x25mm and then primed the area		
	with integral crystalline slurry @0.05kg/ running metre and while the		
	surface is tacky filled the groove upto surface with crystalline mortar		
	@1.50kg/ running metre. Once crystalline mortar is touch dry then		
	finally applied two coats of integral crystalline slurry @0.05kg/running		150 65
	metre per coat.	metre	472.65
	23.23.2 For patching of tie rod holes, prepared tie rod hole surface and		
	then primed the area with integral crystalline slurry @0.070kg/sqm and		
	while the surface is tacky repair and then filled the tie rod holes with		
	crystalline mortar@0.040kg per hole. The crystalline mortar should be		
	tightly rodded into tie rod holes or packed tightly (For 25x25x25 mm tie rod hole, use 0.040kg to fill the hole)	each hole	20.85
23.24	Providing and applying of swellable type water stop tape, 19mm x 25mm	each noie	20.63
23.24	thick in linear meter (expansive nature) for construction joints treatment		
	of RCC structure such as raft slab, retaining walls, water storage tank		
	and at the junctions of raft slab with the retaining walls etc After		
	cleaning the surface, one coat of required primer for swellable water stop		
	tape shall be applied throughout the length of the joint @3.78 litre per		
	240 running meter. Over the primed surface swellable type water stop		
	tape shall be placed. The work shall be carried out all complete as per		
	specification and the direction of the Engineer-In-Charge. The product		
	performance shall carry guarantee for 10 years against any leakage.	metre	554.10

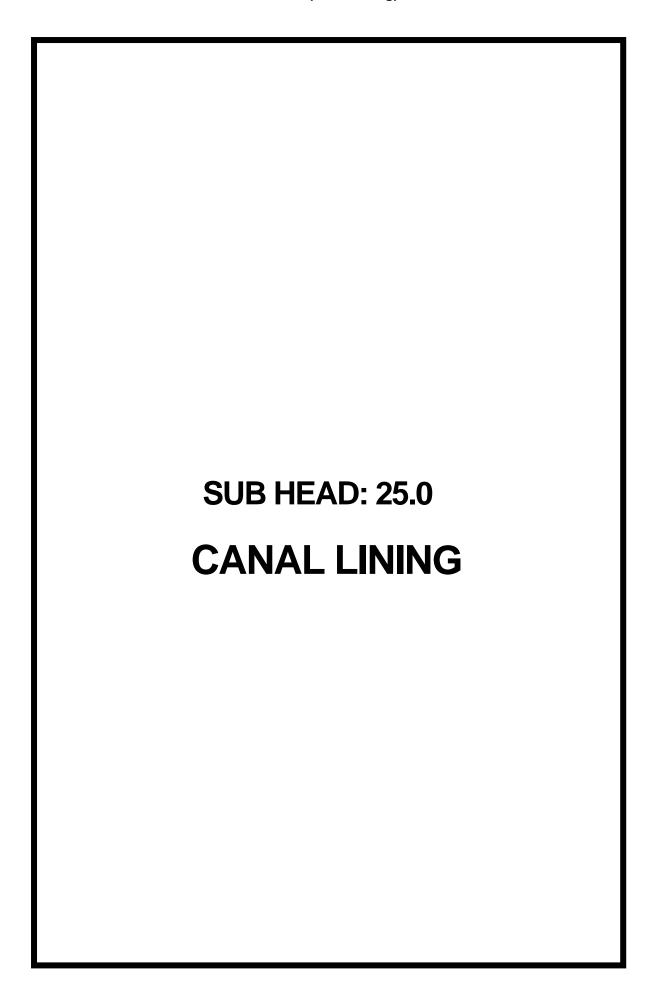


24.0 (River and Canal Protection Work)

24.0 (River and Canal Protection Work)

24.0 (River and Canal Protection Work)					
CODE	DESCRIPTION	UNIT	RATE		
NO.			₹		
24.1	Dry stone pitching, 225mm thick, including cost of stones and				
	preparation of surface.				
	24.1.1 Quarry stone	sqm	478.55		
	24.1.2 Nallah stone	sqm	335.60		
24.2	Constructing vertical bunds with sloping faces, by boulder filling (dry,				
	hand packed tightly); including cost of stones but excluding cost of wire-				
	crates	cum	2732.70		
24.3	Constructing muthu bunds, comprising boulders and wood bushes in				
	alternate layers; including working in water situations.	cum	1622.25		
24.4	Dry stone pitching (any thickness) excluding cost of stones.				
	24.4.1 On Horizontal	cum	535.55		
	24.4.2 On Top copings of banks	cum	673.80		
	24.4.3 On Slopes	cum	693.95		
24.5	Hand-packing stones in wire-crates; excluding cost of crates and stones	cum	371.15		
24.5A	Extra for every additional lift of 1.5 m or part there of beyond 1.5 m				
47.JA	height for hand-packing of stones in wire-crates	cum	81.40		
24.6	Dumping stone excluding cost of stones.	Cuili	01.40		
47. U	24.6.1 in Horizontal on level	cum	237.90		
	24.6.2 on Slopes (Behind pitching)	cum	261.45		
24.7	Grouting of riprap with dry aggregates, excluding cost of aggregates.	sqm	106.15		
24.7	Grouting of riprap with dry aggregates, excluding cost of aggregates.	Sqiii	100.13		
24.8	Grouting of stone pitching using M-10 nominal mix concrete (max. size				
	of aggregates; 20mm nominal) @ 3.65 cum per 100 sq m on				
	horizontal/side slopes; complete including curing.	sqm	199.30		
24.9	Grouting of stone pitching using M-10 nominal mix concrete (max. size				
	of aggregates; 20mm nominal) @ 6.00 cum per 100 sq m on				
	horizontal/side slopes; complete including curing.	sqm	327.60		
24.10	Making knitted wire crates of approved mesh-size; including weaving,				
	binding sides and partitions, and binding top after filling; excluding cost				
	of filling, stones and weaving materials	sqm	92.90		
24.11	Opening out old wire crates those and re-binding after filling.	sqm	35.60		
24.12	Tipping stone-filled wire crates in position; including equipment				
	charges.	cum.	312.20		
24.13	Filling empty cement bags with sand/ earth; including cost of sewing and				
	strings; excluding cost of bags and earth / sand.	no.	7.80		
24.14	Loading/Unloading sand/ earth filled bags in lorries; lead upto 50m.	no.	4.95		
24.15	Loading sand / earth filled bags in boats; lead upto 50m.	no.	4.95		
24.16	Unloading sand/earth filled bags from boats				
	24.16.1 Placing in dry	no.	9.25		
	24.16.2 Placing in Water	no.	18.50		
24.17	Silt clearance from canals. Inclusive of initial lead and lift (50m & 1.5m				
	respectively)				
	24.17.1 Dry	cum	111.00		
	24.17.2 Wet	cum	184.95		
24.18	Shingle clearance from canals.	cum	148.00		
24.19	Weed clearance				
	24.19.1 From lakes(using boats)	sqm	21.15		
	24.19.2 From canals(including extraction of roots)	sqm	13.45		
		~ -1	-55		

24.0 (River and Canal Protection Work)



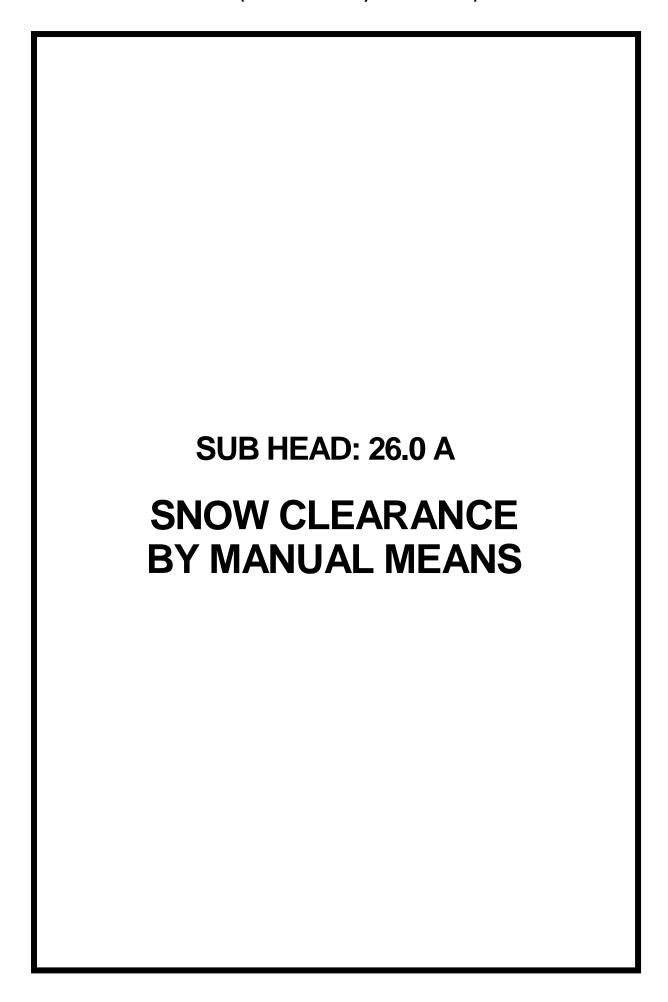
25.0 (Canal Lining)

25.0 (Canal Lining)

CODE	25.0 (Canal Lining)	*******	D 4 (5)
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
25.1	Lip-Cutting to desired profile for canal bed and sides, canal Including		
	dressing, all allowances and leads		
	25.1.1 Depth upto 3.0 m.	cum	472.15
	25.1.2 Depth over 3.0 m. but upto 4.5 m	cum	492.00
	25.1.3 Depth over 4.5 m. but upto 6.0 m	cum	514.45
	25.1.4 Depth over 6.0 m. but upto 7.5 m	cum	534.55
25.2	Preparing and dressing beds of canals for lining.		
	25.2.1 In ordinary soil	sqm	16.75
	25.2.2 In soils admixed with upto 40% shingle / kankar / boulder	sqm	26.55
	25.2.3 In soils admixed with more than 40% shingle / kankar / boulder	sqm	33.20
	25.2.4 In mixed gravels/ conglomerate reaches	sqm	49.80
25.3	Preparing and dressing side slopes of canals for lining.	~ 1	1,7100
20.0	25.3.1 In ordinary soils	sqm	27.45
	25.3.2 In soils admixed with upto 40% shingle / kankar / boulder	_	33.20
	1	sqm	44.25
		sqm	56.90
25.4		sqm	
25.4	Excavating conglomerate (for drains and bed-sleepers under the lining)	cum	1665.35
6			
25.5	Making dry brick drains (behind lining), 75mm thick brick all around:		40.75
	only labour	metre	49.55
25.6	Providing and laying 10mm thick, 1 cement: 3 fine sand mortar slurry'		
	on beds and side slopes (prior to laying In-situ concrete lining)	sqm	77.75
25.7	Providing and laying in-situ concrete lining using M-10 nominal mix		
	concrete (max. size of aggregates: 20mm nominal).		
	25.7.1 In beds	cum	5391.50
	25.7.2 In side slopes, - upto a height of 3.5 m above bed	cum	5735.60
	25.7.3 In side slopes, - at a height over 3.5 m but upto 5.5m above		
	bed	cum	5527.55
	25.7.4 In side slopes, at heights over 5.5 m but upto 7.5 m above bed	cum	5599.05
25.7A	Providing and laying in-situ concrete lining using M-20 nominal mix		
201/11	concrete (max. size of aggregates: 20mm nominal).		
	25.7A.1 In beds	cum	6911.80
	25.7A.1 In ocus 25.7A.2 In side slopes, - upto a height of 3.5 m above bed	cum	7255.90
	25.7A.2 In side slopes, - at a height over 3.5 m but upto 5.5m above	Cum	7233.90
	bed	01177	7047.90
		cum	
	25.7A.4 In side slopes, at heights over 5.5 m but upto 7.5 m above bed	cum	7119.40
25.0			
25.8	Curing canal lining for 28 days.		20.15
	25.8.1 In beds	sqm	20.15
	25.8.2 In side slopes	sqm	62.85
25.9	Flush pointing in 1 cement : 3 fine sand mortar		
	25.9.1 In beds of canal linings.	sqm	178.00
	25.9.2 In side slopes of canal linings.	sqm	182.15
25.10	Filling expansion joints (12mm wide) with special Impervious hot-pour	cum	96506.60
25.11	Extra over Item no, 25.7.1 towards allowance for form-work	cum	365.70
25.12	Extra over item no. 25.7.2 to 25.7.4 towards allowance for form-work	cum	410.65
-			
25.13	Extra over item no. 25.7.2 to 25.7.4 towards allowance for scaffolding	sqm	4.75
	2.1.1. 5 for real no. 25.7.2 to 25.7.1 towards anowance for scarfolding	54	,5
25.14	Extra over item no. 25.7.1,25.7.2 to 25.7.4 towards allowance for	sam	7.35
23.14		sqm	1.33
	providing templates In curved portion; area of curved portion to be		

25.0 (Canal Lining)

	measured	sqm	

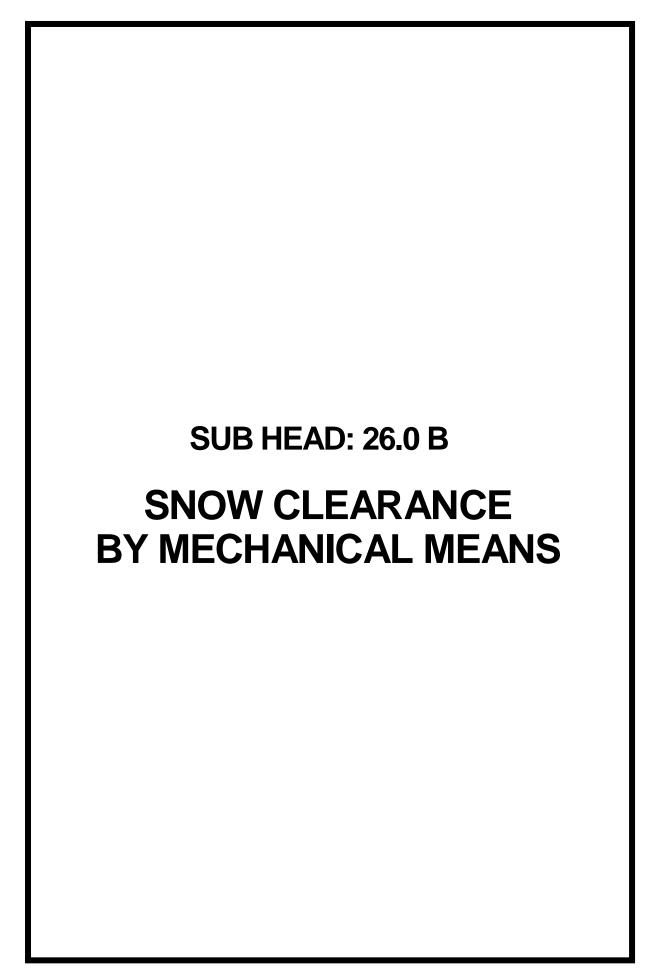


26.A (Snow Clearance by Manual Means)

26.A (Snow Clearance by Manual Means)

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
26.1A	Clearing snow (with frost) from Roads, manually using picks and		
	shovels; snow depth upto 150 mm	sqm	4.00
26.2A	Clearing Snow (without frost) from Roads, manually;		
	26.2A.1 Snow depth upto 150 mm	sqm	1.80
	26.2A.2 Snow depth over 150 mm but upto 250mm	sqm	2.30
	26.2A.3 Snow depth over 250 mm but upto 350mm	sqm	2.45
	26.2A.4 Snow depth over 350 mm but upto 450mm	sqm	2.85
	26.2A.5 Snow depth over 450 mm but upto 550mm	sqm	3.25
	26.2A.6 Snow depth over 550 mm but upto 650mm	sqm	3.40
	26.2A.7 Snow depth over 650 mm but upto 750mm	sqm	3.60
	26.2A.8 Snow depth over 750 mm but upto 850mm	sqm	3.80
	26.2A.9 Snow depth over 850 mm but upto 950mm	sqm	3.95
	26.2A.10 Snow depth over 950 mm but upto 1050mm	sqm	4.15
	26.2A.11 Snow depth over 1050 mm but upto 1150mm	sqm	4.35
	26.2A.12 Snow depth over 1150 mm but upto 1250mm	sqm	4.70
26.3A	Galla cutting in compressed snow		
	26.3A.1 150 mm deep and 4 m wide.	cum	11.85
	26.3A.2 1200 mm deep and 4 m wide.	cum	9.85

26.A (Snow Clearance by Manual Means)



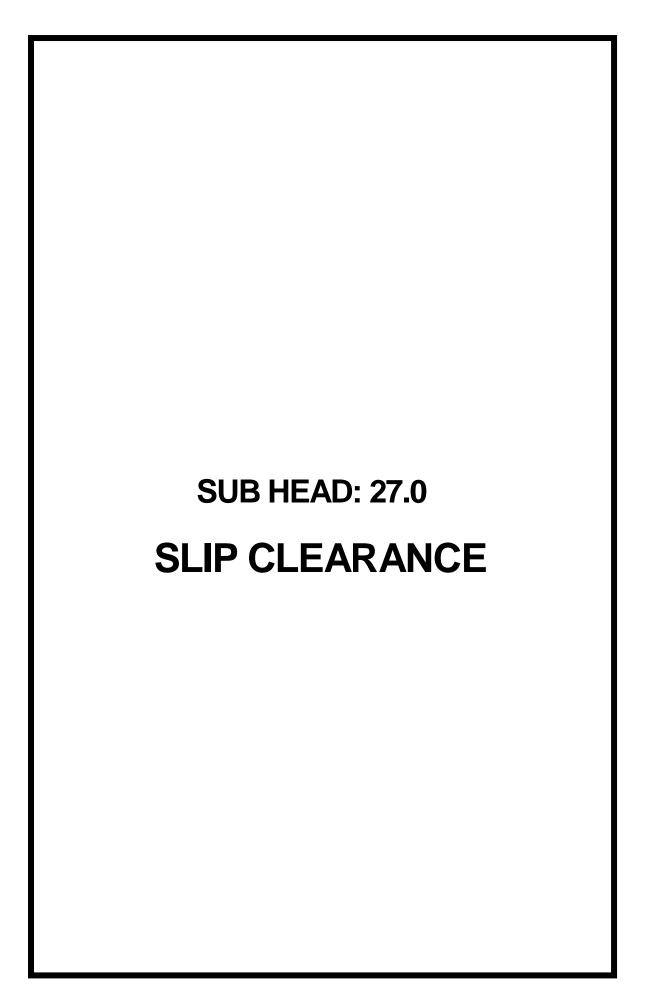
26.B (SNOW CLEARANCE BY MECHANICAL MEANS)

26.B (SNOW CLEARANCE BY MECHANICAL MEANS)

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
26.1B*	Snow Clearance by Mechanical Means using Machines as specified or		
	equivalent		
	26.1B.1 Dozer BD 80	cum	25.18
	26. 1B.2 Snow Plough 180 HP (Ashoka Leyland Stallion- 2009)	cum	1.32
	26. 1B.3 Snow Plough 4WD 170-180 BHP (Unimog)	cum	6.48
	26. 1B.4 Snow Plough 4WD 90 BHP (Trucks)	cum	5.63
	26. 1B.5 Snow Plough 4WD 60 BHP (Trucks)	cum	4.71
	26. 1B.6 Snow Plough 4WD 160 BHP (Trucks)	cum	5.68
	26. 1B.7 Snow cutter Rolba 1500	cum	1.63
	26. 1B.8 Snow cutter Rolba 3000	cum	1.36
	26. 1B.9 Snow Cat	cum	3.62
	26. 1B.10 Snow Blower 4WD 690 BHP 8500T/hr (Fresia Spa)	cum	4.44
	26. 1B.11 Snow Blower 4WD 420-430 BHP 3500T/hr (Supra 4001)	cum	5.24
	26. 1B.12 Snow Blower 4WD 570 BHP 5300T/hr (Supra 3000)	cum	5.23
	26. 1B.13 Snow Blower 4WD 420 BHP 3500T/hr (Rolba 1500)	cum	6.53

*Stands formulated and proposed by Mechanical Engineering Department Jammu vide office letter No.: CEM/J/Tech/5448-49 Dated: 23-11-2021 and Mechanical Engineering Department Kashmir vide office letter No.: MED/K/TS/4123-24 Dated: 11-12-2021 and as per the recommendations received from the administrative department vide Joint Director Planning PW Department letter No.; PWD-ACCT/316/2021-05 Dated: 13-12-2021

26.B (SNOW CLEARANCE BY MECHANICAL MEANS)

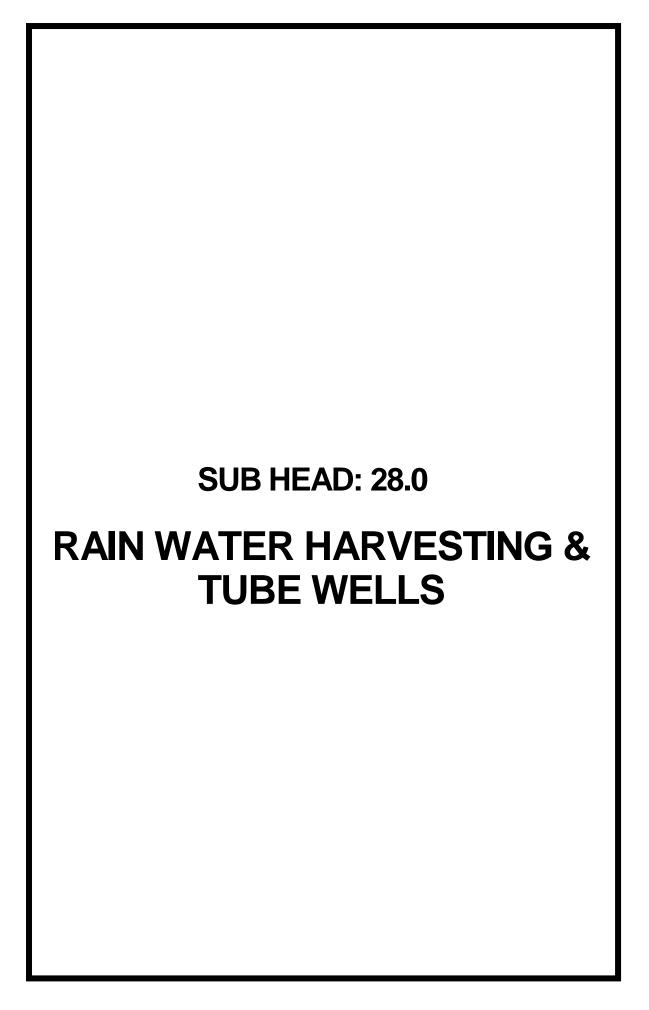


27.0 (Slip Clearance)

27.0 (Slip Clearance)

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
27.1	27.1.1 In ordinary soils disposal lead upto 50 m and lift upto 1.5 m.	cum	154.15
	27.1.2 In soils; mixed with moorum/Kankar/shingle/boulders; disposal lead upto 50 m and lift upto 1.5 m.	cum	331.15
	27.1.3 In soils; mixed with Decomposed Rocks; by blasting or any other means	cum	411.40
	27.1.4 In medium hard rocks; by blasting	cum	492.70
	27.1.5 In hard rocks; by blasting	cum	686.30

27.0 (Slip Clearance)



28.0 (Rain Water Harvesting and Tube wells)

28.0 (Rain Water Harvesting and Tube wells)

0055	28.0 (Rain Water Harvesting and Tube wells)		D 4 mm
CODE	DESCRIPTION	UNIT	RATE
NO.			₹
28.1	Boring/ drilling bore well of required dia for casing/ strainer pipe, by		
	suitable method prescribed in IS: 2800(part 1), including collecting		
	samples from different strata, preparing and submitting strata chart/ bore		
	log, including hire and running charges of all equipment tools plants and		
	machineries required for the job, all complete as per direction of		
	Engineer-in-charge upto 90 m depth below ground level.		
	28.1.1 All types of soil		
	28.1.1.1 300 mm dia	metre	544.45
	28.1.1.2 350 mm dia	metre	595.50
	28.1.1.3 400 mm dia		762.25
		metre	762.23
	28.1.2 Rocky strata including boulders		1010.10
	28.1.2.1 300 mm dia	metre	1310.10
	28.1.2.2 350 mm dia	metre	1384.80
	28.1.2.3 400 mm dia	metre	1641.80
28.2	Boring/ drilling bore well of required dia for casing/ strainer pipe, by		
	suitable method prescribed in IS: 2800(part 1), including collecting		
	samples from different strata, preparing and submitting strata chart/ bore		
	log, including hire and running charges of all equipment tools plants and		
	machineries required for the job, all complete as per direction of		
	Engineer-in-charge beyond 90 m &upto 150 m depth below ground		
	level.		
	V1		625.20
	28.2.1.1 300 mm dia	metre	635.20
	28.2.1.2 350 mm dia	metre	705.75
	28.2.1.3 400 mm dia	metre	952.80
	28.2.2 Rocky strata including boulders		
	28.1.2.3 300 mm dia	metre	1443.40
	28.2.2.1 350 mm dia	metre	1508.10
	28.2.2.2 400 mm dia	metre	1927.35
28.3	Supplying, assembling, lowering and fixing in vertical position in bore		
	well, unplasticized PVC medium well casing (CM) pipe of required dia,		
	conforming to IS: 12818, including required hire and labour charges,		
	fittings and accessories etc all complete for all depths as per direction of		
	Engineer-in-charge.		
	28.3.1 100mm nominal size dia	metre	549.60
	28.3.2 150 mm nominal size dia	metre	712.85
	28.3.3 200mm nominal size dia	metre	1078.10
	28.5.5 200mm nommar size dia	incuc	1076.10
28.4	Complete accompling lawying and fining in control position in home		
28.4	Supplying, assembling, lowering and fixing in vertical position in bore		
	well, unplasticized PVC medium well screen (RMS) pipe with ribs,		
	conforming to IS: 12818, including hire and labour charges, fittings and		
	accessories etc all complete for all depths as per direction of Engineer-		
	in-charge.		
	28.4.1 100mm nominal size dia	metre	576.35
	28.4.2 150 mm nominal size dia	metre	743.60
	28.4.3 200mm nominal size dia	metre	1131.70
28.5	Supplying, filling, spreading and leveling stone boulders of size range 5		
	cm to 20 cm, in recharge pit in the required thickness for all leads and		
	lifts all complete as per direction of Engineer-in-charge.	cum	857.30
	into an complete as per unection of Engineer-in-charge.	cum	057.30
20 6	Supplying filting engading and leveling against of size was a 5		
28.6	Supplying, filting, spreading and leveling gravels of size range 5 mm to		
	10 mm, in recharge pit over the existing layer of boulders, in the required		
	thickness for all leads and lifts all complete as per direction of Engineer-		
	in-charge.	cum	1031.20

28.0 (Rain Water Harvesting and Tube wells)

CORE	28.0 (Rain Water Harvesting and Tube wells)	TINIFF	DATE
CODE	DESCRIPTION	UNIT	RATE
NO.	Complaint Cilling annualing and Localing and Complaint Cilling and Complaint Cilling and Cilling City City City City City City City City		₹
28.7	Supplying, filling, spreading and leveling coarse sand of size range 1.5		
	mm to 2 mm, in recharge pit in required thickness over the gravel layer,		1021 20
20.0	for all leads and lifts all complete as per direction of Engineer-in-charge.	cum	1031.20
28.8	Gravel packing in tube well construction in accordance with IS: 4097,		
	including providing gravel fine/medium/coarse in required grading and		
	sizes as per actual requirement all complete as per direction of Engineer-	aum	1068.20
28.9	in-charge. Providing and fixing factory made precast RCC perforated drain covers,	cum	1006.20
20.9	having concrete of strength not less than M-25, of size 1000x450x50 mm		
	reinforced with 8 mm dia four nos longitudinal and 9nos cross sectional		
	T.M.T hoop bars, including providing 50 mm dia perforations @ 100 to		
	125 mm c/c, including providing edge binding with M.S flats of size		
	50mmx1.6mm complete all as per direction of Engineer-in-charge.	each	1220.85
28.10	Supplying, assembling, lowering and fixing in vertical position in bore	cacii	1220.03
20.10	well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and		
	socketed/plain ended casing pipes of required dia, conforming to IS:		
	4270 of reputed & approved make, including painted with outside		
	surface with two coats, of anticorrosive paint of approved brand and		
	manufacture including required hire & labour charges, fitting and		
	accessories, all complete for all depths, as per direction of Engineer-in-		
	charge.		
	28.10.1 100 mm nominal size dia having minimum wall		
	thickness 5.00 mm	metre	1161.90
	28.10.2 150 mm nominal size dia having minimum wall		
	thickness 5.00 mm.	metre	1661.65
	28.10.3 200 mm nominal size dia having minimum wall		
	thickness 5.40 mm.	metre	2060.00
28.11	Supplying, assembling, lowering and fixing in vertical position in bore		
	well, ERW (Electric Resistance Welded) FE 410 plain slotted (having		
	slot of size 1.6/3.2 mm) mild steel threaded and socketed/plain bevel		
	ended pipes (type A) of required dia, conforming to IS:8110,of reputed		
	& approved make having wall thickness not less than 5.40mm,		
	including painted with outside surface with two coats, of anticorrosive		
	bitumestic paint of approved brand and manufacture including required		
	hire & labour charges, fitting and accessories, all complete for all depths,		
	as per direction of Engineer-in-charge.		10.60.00
	28.11.1 100 nominal size dia	metre	1262.90
	28.11.2 150 nominal size dia	metre	1796.35
	28.11.3 200 nominal size dia	metre	2195.90
28.12	Development to tube well in accordance with IS: 2800(part 1) and		
20.12	IS:11189 to establish maximum rate of usable water yield without sand		
	content (beyond permissible limit) with required capacity air		
	compressor, running the compressor for required time till well is fully		
	developed measuring yield of well by "V" notch method or any other		
	approved method, measuring static level & draw down etc. by step draw		
	down method collecting water samples & getting tested in approved		
	laboratory, i/c disinfection of tube well, all complete including required		
	hire & labour charges of air compressor tools & accessories, etc. all, as		
	per direction of Engineer-in-charge.	hour	872.75
28.13	Providing and fixing suitable size threaded mild steel cap or spot welded	-1002	0.2.75
	plate to the top of bore well housing/ casing pipe removable as per		
	requirement all complete for bore well of:		
	28.13.1 100 mm dia	each	189.65
L	I	l	<u> </u>

28.0 (Rain Water Harvesting and Tube wells)

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	28.13.2 150 mm dia	each	210.75
	28.13.3 200 mm dia	each	280.95
28.14	Providing and fixing M.S clamp of required dia to the top of casing/		
	housing pipe of tube well as per IS:2800 (part 1), including necessary		
	bolts & nuts of required size complete:		
	28.14.1 100 mm clamp	each	1968.10
	28.14.2 150 mm clamp	each	2079.05
	28.14.3 200 mm clamp	each	2361.70
28.15	Providing and fixing Bail plug/ Bottom plug of required dia to the		
	bottom of pipe assembly of tube well as per IS: 2800 (part 1).		
	28.15.1 100 mm dia	each	230.80
	28.15.2 150 mm dia	each	284.30
	28.15.3 200 mm dia	each	311.05

28.0 (Rain Water Harvesting and Tube wells)

SUB HEAD: 29.0 CONSERVATION OF HERITAGE BUILDINGS
HERITAGE BUILDINGS

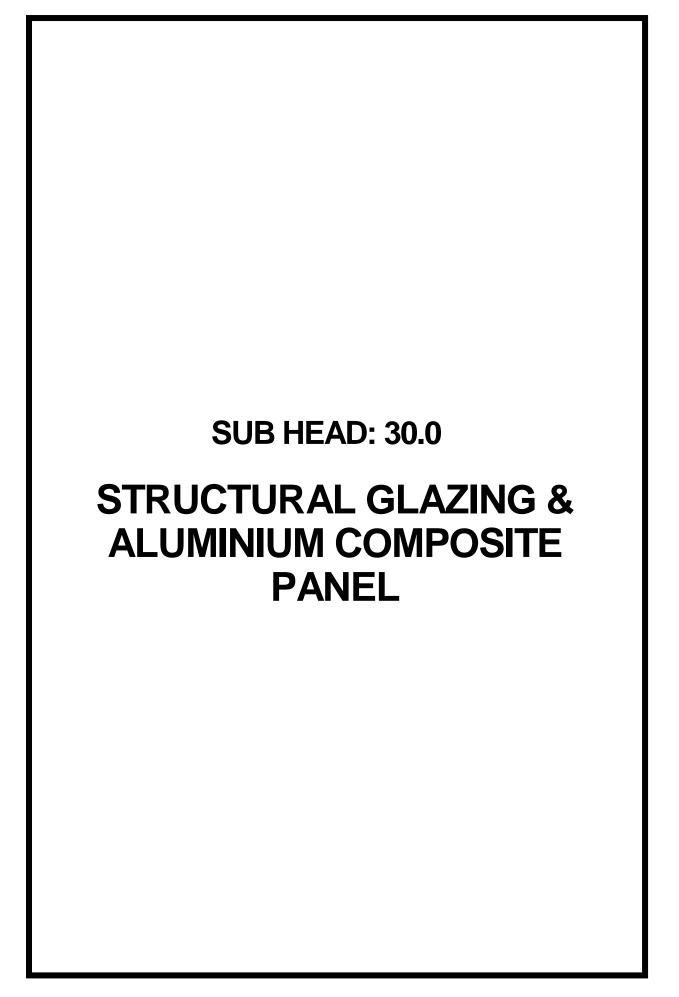
29.0 (Conservation of Heritage Buildings)

29.0 (Conservation of Heritage Buildings)

CODE	29.0 (Conservation of Heritage Buildings) DESCRIPTION	UNIT	RATE
NO.		~ <u>*</u>	₹
29.1	Raking out joints of stone masonry surface to the required width and		,
->	depth, with due care and precaution by mechanical/manual means		
	including preparing and cleaning the surface for re-pointing / refilling of		
	joints, including disposal of rubbish to the dumping ground within 50		
	mtrs lead.	sqm	51.45
29.2	Providing and fixing double scaffolding system (cup lock type) on the	54	31.10
27.2	exterior side of building/ structure, upto 25 mtrs height above ground		
	level, including additional rows of scaffolding in stepped manner as per		
	requirement of site, made with 40mm dia M.S. tube, placed 1.5 mtr.c/c,		
	horizontal and vertical tubes joint with cup and lock system with M.s		
	tube, M.S tubes Challis M.S clamps and stairs case system in the		
	scaffolding for working platform etc. and maintaining it in a serviceable		
	condition of execution of work of cleaning and/ or pointing and/or		
	applying chemical and removing it their after the scaffolding system		
	shall be stiffened with bracings, runners connecting with the building		
	etc. where ever required if feasible, for inspection of work at required		
	location with essential safety features for the work men etc, complete as	0.000	265.30
	per directions and approval of Engineer-in-charge.	sqm	203.30
	Note: - 1) The elevational area of the scaffolding shall be measured		
	for the payment purpose.		
	2) The payment will be made once only for execution all items of such works.		
20.2	Cleaning the sand stone surface and removing dirt, dust, bird dropping,		
29.3			
	grease, oil, algae, fungue, monkey beats, vegetable growth etc. including		
	providing, applying and washing the surface with liquid ammonia		
	chemical of 5% solution and other chemical cleaning agents as approved		
	by Archaeological survey of India/Engineer-in-charge, of approved		
	brand and manufacturer with the help of required scrubbers and also		
	cleaning with machine operated water jet mixed with desired quantity of		
	fine silica and finally washing the surface with clean water with the help		
	of pressure jet machine, windows door etc, by suitable covering so as to		
	avoid any damage to the building/structure, all as per directions of		
	Engineer-in-charge(the rate is inclusive of all materials and labours		162.00
	involved except scaffolding)	sqm	163.80
29.4	Providing and applying antifungal wash treatment using 3% solution of		
	sodium pentachlorophenate, of reputed brand and manufacturer, on		
	cleaned sand stone surface at desired locations as per directions of		
	Engineer-in-charge (the rate is inclusive of all materials and labours		10.55
	involved except scaffolding)	sqm	60.20
29.5	Ruled/ Flush pointing on Red sand stone masonry surface with lime,		
2>.0	surkhi and marble dust mortar in the ratio 1:1.5:1/2 one lime: 1.5 surkhi		

29.0 (Conservation of Heritage Buildings)

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	(50% red and 50% light yellow surkhi):1/2 marble dust (the rate is		
	inclusive of all materials and labours involved except scaffolding)	sqm	284.70
29.6	Ruled/flush pointing on white sand stone masonry surface with lime,		
	surkhi and marble dust mortar in the ratio 1:1.5:1/2 one lime : 1.5 surkhi		
	(50% red and 50% light yellow surkhi):1/2 marble dust (the rate is		
	inclusive of all materials and labours involved except scaffolding)	sqm	284.70
29.7	Applying two or more coats of Ethyl silicate chemicals as approved by		
	Archaeological survey of India/ Engineer-in-charge, of approved brand		
	and manufacturer, with brush or spray on the existing stone masonry		
	surface till there is no further absorption of chemical by stone surface,		
	including protecting the applied surface from direct sun light by suitable		
	means during application, all complete as per direction of the Engineer-		
	in-charge (the rate is inclusive of all materials and labours involved		
	except scaffolding)	sqm	279.10
29.8	Applying breathable, non-reactive antifungal and water repellant silane/		
	Siloxane chemical as approved by Archaeological survey of India/		
	Engineer-in-charge, of approved brand and manufacturer, diluted with		
	solvent mineral turpentine oil in the ratio of 1:12 (1 part of approved		
	Chemical:12 part of turpentine oil), on the existing sand stone masonry		
	surface with two or more codes to given uniforms application of		
	chemical on the surface all complete as per direction of Engineer-in-		
	charge (the rate is inclusive of all materials and labours involved except		
	scaffolding)	sqm	101.75



CODE	30.0 (Structural Glazing & Aluminium Composite P		DATE
CODE NO.	DESCRIPTION	UNIT	RATE ₹
30.1	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings, the aluminium quality as per grade 6063 T5 or T6 as per BS 1474,including super durable powder coating of 60-80 microns		
	conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as		
	cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account). The weight of aluminium extruded section shall be taken for purpose		
	of payment.	kg	428.00
30.2	Designing, fabricating, testing, protection, installing and fixing in		
	position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including:		
	(a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any		
	failure), including functional design of the aluminum sections for fixing		
	glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness,		
	pressure equalization &drainage and protection against fire hazard including: (b) Fabricating and supplying serrated M.S. hot dip galvanized /		
	Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the		
	RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade		
	316, of the required capacity and in required numbers. (c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural		
	silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as		
	per the approved sealant design, within and all around the perimeter for holding glass.		
	(d) Providing and fixing in position flashings of solid aluminium sheet 1mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight.		
	(e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if		
	required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, installation of glazed units, T&P, scaffolding and other incidental charges including		
	wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified. The item includes the cost of getting all the structural and functional design including shop		
	drawings checked by a structural designer, dully approved by Engineer-in-charge. Theitem also includes the cost of all mock ups at site, cost of		

CODE	30.0 (Structural Glazing & Aluminium Composite F		RATE
NO.	DESCRIPTION	UNII	
NO.	All samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance characteristics etc. all complete as required, 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. Note: - 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this subhead. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves) on the external face shall be measured in	UNIT	RATE ₹
	sqm. up to two decimal places. Note:-2. The following performance test are to be conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accredited by NABL (National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. Cost of testing is payable separately. The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the 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. 1. Performance Laboratory Test for Air Leakage Test (-50pa to - 300pa) & (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 mVhr 2. Static Water Penetration Test. (50pa to 1500p) as per ASTME-331-09 testing method for a range up to 2000 ml. 3. Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01-05 testing method for a range upto 2000 ml 4. Structural Performance Deflection and deformation by static air pressure test (1.5 times design wind pressure without any failure) as per ASTME-330-10 testing method for a range upto 50 mm 5. Seismic Movement Test (upto 30 mm) as per AAMA 501.4- 09 testing		
	method for Qualitative test, Tests to be conducted on site. 6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000 ml	sqm	3568.50
30.3	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube12mm wide, desiccants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.30.2) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be		

	30.0 (Structural Glazing & Aluminium Composite P		
CODE NO.	DESCRIPTION	UNIT	RATE ₹
	measured in sqm.		•
	(i) Coloured tinted float glass 6mm thick substrate with reflective soft	ļ	
	coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear	ļ	
	Glass of approved make having properties as visible Light transmittance	ļ	
	(VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection	ļ	
	external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0	ļ	
	to 3.3 W/m2 degree K etc. The properties of performance glass shall be	ļ	
	decided by technical sanctioning authority as per the site requirement.	sqm	3557.00
30.4	Extra for openable side / top hung vision glass panels (IGUs) including		
	providing and supplying at site all accessories and hardwares for the	ļ	
	openable panels as specified and of the approved make such as heavy	ļ	
	duty stainless steel friction hinges, min 4 -point cremone locking sets	ļ	
	with stainless steel plates, handles, buffers etc. including necessary	ļ	
	stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as	ļ	
	per the Architectural drawings, as per the approved shop drawings, as	ļ	• • • • • • •
	specified and as directed by the Engineer -in- Charge.	sqm	3466.80
20.5	Describing februaring and complete dealers to the last of the last		
30.5	Providing, fabricating and supplying shadow box of required size and	ļ	
	shape, for fixing in the spandrel portion of the structural glazing, in	ļ	
	linear as well as curvilinear portions of the building by providing semirigid, inorganic, non-combustible fibre glass wool insulation 50 mm	ļ	
	thick, conforming to IS: 8183 and BS: 3958 Part 5. The insulation layer	ļ	
	shall have facing (factory bonded on surface # 1 of the fibre glass	ļ	
	insulation layer), of black nonwoven fibre glass tissue of nominal	ļ	
	thickness 0.5 mm and nominal mass not less than 60 gm / sqm, made of	ļ	
	randomly oriented glass fibres distributed in a binder by a wet-lay	ļ	
	process including fixing 1.5 mm thick solid aluminum sheet backing		
	using, 6 mm thick cement board including SS rivets, nuts, bolts, washers		
	etc complete.	sqm	2365.35
30.6	Providing and supplying Spandrel Glass Panels comprising of 6 mm		
	thick heat strengthened monolithic float glass of approved colour and	ļ	
	shade with reflective soft coating on surface # 2 of approved colour and	ļ	
	shade so as to match the colour and shade of the IGUs in the vision	ļ	
	panels etc., all complete for the required performances as specified, as	ļ	
	per the Architectural drawings, as per the approved shop drawings, as	ļ	
	specified, and as directed by the Engineer- in-Charge. For payment, only	ļ	
	the actual area of glass on face # 1 of the glass panels (but excluding the	ļ	
	area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.(Payment for fixing of Spandrel Glass	ļ	
	Panels in the curtain glazing is included in cost of relevant Item*).		
	(i) Coloured tinted float glass 6mm thick substrate with reflective soft		
	coating on face # 2, having properties as visible Light transmittance	ļ	
	(VLT) of 25 to 35%, Light reflection internal 10 to 15%, light reflection		
	external 10 to 20%, shading coefficient (0.25- 0.28) and U value of 3.0 to		
	3.3 W/m2 degree K etc. The properties of performance glass shall be		
	decided by technical sanctioning authority as per the site requirement.	sqm	2351.00
30.8	Design supply & installation of suspended Spider Glazing system		
	designed to withstand the wind pressure as per IS 875 (Part-III). The		
	Suspended System held with Spider Fittings of SS-316 Grade Steel of		
	approved manufacturer with glass panel having 12 mm thick clear		
	toughened glass held together with SS- 316 Grade Stainless steel Spider		
	& bolt assembly with laminated glass fins 21 mm thick. The Glass fins		
	and glass panel assembly shall be connected to Slab/ beams by means of SS- 316 Grade stainless steel brackets & Anchor bolts and at the bottom	,	
	55- 510 Orace stanness steel diackets & Alichol bolts and at the bottom		

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	using SS channel of 50x25x2mm using fastener & anchor bolts, non		
	staining weather sealants of approved make, Teflon/ nylon bushes and		
	separators to prevent bi-metallic contacts, all complete to perform as per		
	specification and approved drawings. The complete system to be		
	designed to accommodate thermal expansion & seismic movements etc.		
	The joints between glass panels (6 to 8 mm) and gaps at the perimeter &		
	in U channel of the assembly to be filled with non staining weather		
	sealant, so as to make the entire system fully water proof & dust proof.		
	The rate shall include all design, Engineering and shop drawing		
	including approval from structural designer, labour, T&P, scaffolding,		
	other incidental charges including wastage, enabling temporary services		
	all fitting fixers nut bolts, washer, Buffer plates, fastener, anchors, SS		
	channel laminated glass etc. all complete. For the purpose of payment,		
	actual elevation area of Glazing including thickness of joints and the		
	portion of Glass panel inside the SS channel shall be measured.	sqm	8724.05

SUB HEAD: 31.0 NEW TECHNOLOGIES AND
MATERIALS

CODE	DESCRIPTION 31.0 (NEW TECHNOLOGIES AND MATERIALS)	UNIT	RATE
NO.			₹
31.1	Providing & fixing in position Phenol bonded Bamboowood flooring with planks of sizes 14mm thick, 1800mm length (minimum) and 130 mm wide(minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC). The flooring shall be fixed with tongue and groove interlocking system, with underlayment of 4mm thick expanded polyethylene foam sheets having density 40kg/cum, over prepared surface with necessary quarter round planks of size 1900mm x 18mm and door reducer of size 1900mm x 44mm, wherever required. The bamboowood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all		
	complete as per direction of the Engineer in-charge.	sqm	5289.40
31.2	Providing & fixing in position Phenol bonded Bamboowood in wall skirting with planks of sizes 14mm thick, 1900mm length (minimum) and 85mm wide(minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC). The skirting shall be fixed with SS screws & rawl plugs, over underlayment of 4mm thick, expanded polyethylene foam sheets having 40kg/cum density over prepared surface. The bamboowood planks shall have minimum density of 1000Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV		
31.3	coating, all complete as per direction of the Engineer in-charge. Providing & fixing in position Phenol bonded Bamboowood	sqm	5188.10
	wallcladding at all height with planks of sizes 10mm thick, 1800mm length (minimum) and 130 mm wide (minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials& Technology Promotion Council (BMTPC), with necessary profiled edges fixed with 40mm SS screws 5 nos in each tile to frame work made of second class teak wood of size 20x15 mm in centre of each tile and bottom and top of work height, 40x15mm placed at ends of each tile. The cladding shall be laid over back layment of 1.00 mm thick expanded polyethylene foam of density 40kg/cum in two layers, first layer on wall surface before fixing wooden frame and second layer on frame under cladding. The bamboowood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of the Engineer in-charge.	sqm	5622.30
31.4	Providing & fixing in position Phenol bonded Bamboowood panelled or panelled and glazed shutters for doors windows, clerestory windows with pre-molded 30mm thick planks, in approved colours, texture &finish. It shall have 10mm wide, 25mm deep grove to fit in panels. The bamboo wood shall have minimum density of 1000 Kg/ cum, minimum Hardness 1000 Kgf. All styles and rails shall have profiled interlocking system locked in place by bamboo pins, all complete as per direction of Engineer in charge. (The panelling will be paid for separately).	sqm	5491.50
31.5	Providing & fixing in position Phenol bonded Bamboowood paneling of 10mm thick, in 25 to 40 mm thick panelled or panelled & glazed shutters for doors, windows, clerestory windows, in approved colour, texture & finish. The bamboowood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. The panels shall have profiled interlocking system locked in place with bamboo pins all complete as per direction of the Engineer in-charge. (area of opening for panel inserts excluding portion inside grooves or rebates to be measured)	Sqm	3636.65
	<u> </u>		<u> </u>

CODE	DESCRIPTION 31.0 (NEW TECHNOLOGIES AND MIATERIALS)	UNIT	RATE
NO.	DEDOMI HON	01111	₹
31.6	Providing & fixing in position 65 mm thick factory made door frame of		-
	Phenol bonded Bamboo wood (superior class, interior use), in approved		
	colour, texture and finish. The bamboo wood shall have minimum		
	density of 1000 Kg/cum, minimum hardness 1000 Kgf. The door frame		
	shall have tenon & mortise interlocking system, to be fixed to the wall		
	with 100 mm size G.I screws all a complete as per direction of Engineer-		
	in charge.	cudm	256.00
31.6A	Providing, erecting, laying and fixing in position in 3.5 to 4mm thick		
	bamboo mat corrugated sheet (BMCS) as per IS:15476-2004 in roofing		
	with self drilling screws along with EPDM washers complete or with		
	galvanized iron J or L hooks 8mm dia G.I. plain and bitumen washers		
	etc, all complete as per direction of Engineer-in-Charge.	sqm	5041.40
31.6B	Providing and fixing in position ridges of 3.5 to 4 mm thick bamboo mat		
	ridge cap (BMRC) as per IS: 15476-2004 in roofing with self drilling		
	screws along with EPDM washers complete or with galvanized iron J or		
	L hooks 8mm dia G.I. plain and bitumen washers etc, all complete as per		4146 25
21.66	direction of Engineer-in- Charge.	metre	4146.35
31.6C	Providing and fixing at all height false ceiling of 4mm thick phenol bonded Bamboo Mat board (595x595mm) conforming to IS:13958-1994		
	including providing and fixing of frame work made of GI angle		
	25x25x0.4 mm thick all around suitably fixed to wall with the help of		
	dash fastener and hanger frame (600x600 c/c) made GI slotted Tee		
	having powder coating on bottom side (30x25x0.3 mm thick for main		
	member & 25x25x0.3 mm for cross member) connected to ceiling with		
	2.64mm GI wire and anchor fastener at every junction and also including		
	cost of making openings for light fittings, grills, diffusers, cut outs made		
	with frame of perimeter channels suitably fixed all complete as per		
	direction of Engineer-in-charge.	sqm	3512.15
31.6D	Providing and fixing at Bamboo Mat board conforming to IS:13958-		
	1994 for partition to frame by bucking or studding with screws etc.		
	complete (Frames, backing or studding to be paid separately)		
	31.6D.1 3mm thickness	sqm	2363.30
	31.6D.2 4mm thickness	sqm	2686.40
	31.6D.3 6mm thickness	sqm	3192.15
	31.6D.4 9mm thickness	sqm	4021.20
A1 :-	31.6D.5 12mm thickness	sqm	4620.90
31.6E	Providing and fixing at all height wall panelling with phenol bonded		
	Bamboo Mat board conforming to IS: 13958-1994 including providing		
	and fixing to frame work made of 50mm x 50mm hardwood plugs including cutting brick work and fixing in coment morter and making		
	including cutting brick work and fixing in cement mortar and making		
	good the wall etc. and also providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron		
	screws all complete as per direction of Engineer-in-Charge.		
	31.6E.1 9mm thickness	sqm	4348.80
	31.6E.2 12mm thickness	sqm	4948.70
		I	
31.7	Providing and fixing 50 mm thick extruded polystyrene rigid insulation		
	board of required size between cavity wall, complying with ISO		
	4898:2008 & ASTM C 578-08b - type VI, having thermal conductivity		
	of 0.0289 W/m K as per ASTM C 578 (measured as per IS 3346),		
	compressive strength of > 350kPa listed as per ASTM D 1621, density of		
	34-36 kg/m³ as per ASTM D 1622, water absorptions <1% by volume as		
	per ASTM D 2842, oxygen index of 24.1 to 28.1 listed as per ASTMD		
	2863, cell size 0.4 mm of dia (max) as per ASTM D 3576. Fire retardant		

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	A, fixed with suitable water based adhesive and fastener, complete in all		004.20
24.0	respect as per the direction of Engineer- in-Charge	sqm	891.38
31.8	Providing and fixing 50 mm thick extruded polystyrene rigid insulation		
	board of required size underdeck on ceiling surface, complying with ISO		
	4898:2008 & ASTM C 578-08b - type VI, having thermal conductivity		
	of 0.0289 W/m K as per ASTM C 578 (measured as per IS 3346), compressive strength of> 350 kPa listed as per ASTM D 1621, density of		
	34-36 kg/cum as per ASTM D 1622, water absorptions < 1% by volume		
	as per ASTM D 2842, oxygen index of 24.1 to 28.1 listed as per ASTM		
	D 2863, cell size 0.4 mm of dia(max) as per ASTM D 3576. Fire		
	retardant property as per DIN 4102, Part 1 of class B2 and as per ASTM		
	E84 class A, fixed with suitable water based adhesive and fastener,		
	complete in all respect as per the direction of Engineer-in-Charge.	sqm	957.70
31.9	Providing and fixing factory made solid Foam uPVC profile for kitchen	-	
	cabinet frame (45 x 20 mm) of approved shade, quality and make. The		
	profile shall be laminated on both sides, made from rigid foam sheets		
	(Single extruded) having density 600 Kg/cum and the exposed edges		
	sealed with PVC edge beading of same shade and colour. The frame		
	shall be fire retardant with necessary screw holding capacity. Frame shall		
	be fixed to wall using Expendable Fastner with necessary stainless steel		
	screws, all complete as per direction of Engineer-in-charge.	metre	447.70
31.10	Providing and fixing factory made Kitchen Cabinet Shutter/Partition		
	20mm nominal thickness of approved shade, quality and make, made		
	from rigid foam sheets (Single extruded) having density 600 Kg/cum and		
	laminated on both side by laminate Sheet/PVC foil lamination. The exposed edges shall be sealed with PVC edge beading of same shade and		
	colour. The shutter shall be fire retardent having necessary screw holding		
	capacity. Shutter shall be fixed to frame using approved hinges with		
	necessary stainless steel screws, all complete as per direction of		
	Engineer-in-charge.	sqm	4929.05
31.11	Providing and fixing concealed hinge of approved quality for 19-20mm	1	
	thick door with stainless steel screws complete :	each	114.05
31.12	Supplying & laying of bi-axial extruded high modulus		
	polypropylenegeogrid conforming to MORTH SPECIFICATION for		
	base/sub-base reinforcement having minimum tensile strength 15kN/m		
	in the longitudinal and transverse direction, with 5kN/m and 7kN/m		
	tensile strength at 2% and 5% strain respectively in the longitudinal and		
	transverse direction, junction efficiency not less than 95% and with		
21.12	38mm X 38mm mesh opening.	sqm	200.75
31.13	Supplying & laying of bi-axial extruded high modulus polypropylene		
	geogrid conforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum tensile strength 20kN/m in the		
	longitudinal and transverse direction, with 7kN/m and 14kN/m tensile		
	strength at 2% and 5% strain respectively in the longitudinal and		
	transverse direction, junction efficiency not less than 95% and with		
	38mm X 38mm mesh opening.	sqm	222.85
		~-1	
31.14	Supplying & laying of bi-axial extruded high modulus polypropylene		
	Geogrid conforming to MORTH SPECIFICATION for base/sub-base		
	reinforcement having minimum tensile strength 30kN/m in the		
	longitudinal and transverse direction, with 10.5kN/m and 21kN/m tensile		
	strength at 2% and 5% strain respectively in the longitudinal and		
	transverse direction, junction efficiency not less than 95% and with		
	38mm X 38mm mesh opening.	Sqm	325.85

CODE	DESCRIPTION 31.0 (NEW TECHNOLOGIES AND MATERIALS)	UNIT	RATE
NO.	BESCHI HOW	01111	₹
31.15	Supplying & laying of bi-axial extruded high modulus polypropylene		_
	Geogrid conforming to MORTH SPECIFICATION for base/sub-base		
	reinforcement having minimum tensile strength 40kN/m in the		
	longitudinal and transverse direction, with 14kN/m and 28kN/m tensile		
	strength at 2% and 5% strain respectively in the longitudinal and		
	transverse direction, junction efficiency not less than 95% and with		
	38mm X 38mm mesh opening.	sqm	450.995
31.16	Supplying & laying of drainage composite for use behind walls, between		
	two different fills, alongside drains of road, below concrete lining of		
	canals etc. Geocomposite for planar drainage, realized by thermo		
	bonding a draining core in extruded monofilaments with two filtering		
	nonwoven geotextiles that may also be working as separation or		
	protecting layers. The draining three dimensional core will have 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 characteristic opening size		
	(090) of 110 micron and tensile strength of 8.0 KN/m that will be		
	working as separation or protecting layer, geo composite having in plane		
	flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa		
	pressure and tensile strength of 18 kN/m, with mass per unit area of 740		
	gsm, supplied in the form of roll for easy transportation to site of work as		
	per detailed specification all complete as per directions of Engineer in		
	charge.	sqm	804.20
31.17	Supplying & laying of drainage composite for use behind walls, between		
	two different fills, alongside drains of road, below concrete lining of		
	canals etc. having thermo bonding a draining core – HDPE geonet		
	comprises of two sets of parallel over layed ribs integrally connected to		
	have a rhomboidal shape with a polyethylene film and a nonwoven		
	geotextile having mass per unit area 130 gsm and tensile strength of 8.0		
	kN/m that will be working as separation or protecting layer, geo composite 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, at easily accessible location		
	including top and bottom, with all leads and lifts, manpower and		
	machinery, materials, labour etc. complete and as directed by Engineer -		
	In - Charge.	sqm	951.35
31.18	Supplying and laying high strength flexible geogrids (HSFG) as soil	Sqm	751.55
01110	reinforcement / basal reinforcement as per MORTH 3100 and IRC 113,		
	made of high tenacity polyester core with polyethylene coating with		
	Minimum Long Term Design Strength (LTDS) of more than 50% of		
	ultimate tensile strength at 30 degree Celcius corresponding to 12 %		
	strain.		
	31.18.1 Ultimate tensile strength- 100 kN/m	sqm	318.50
	31.18.2 Ultimate tensile strength- 150 kN/m	sqm	333.25
	31.18.3 Ultimate tensile strength- 200 kN/m	sqm	524.55
	31.18.4 Ultimate tensile strength- 250 kN/m	sqm	539.25
	31.18.5 Ultimate tensile strength- 300 kN/m	sqm	554.00
	31.18.6 Ultimate tensile strength- 350 kN/m	sqm	568.70
	31.18.7 Ultimate tensile strength- 400 kN/m	sqm	686.45
	31.18.8 Ultimate tensile strength- 500 kN/m	sqm	760.05
	31.18.9 Ultimate tensile strength- 600 kN/m	sqm	833.60
	31.18.10 Ultimate tensile strength- 700 kN/m	sqm	980.80
	31.18.11 Ultimate tensile strength- 800 kN/m	sqm	1091.15
	31.18.12 Ultimate tensile strength- 900 kN/m	sqm	1275.15
	31.18.13 Ultimate tensile strength- 1000 kN/m	sqm	1422.30

CODE	DESCRIPTION 31.0 (NEW TECHNOLOGIES AND MATERIALS)	UNIT	RATE
NO.			₹
	31.18.14 Ultimate tensile strength- 1100 kN/m	sqm	1495.90
	31.18.15 Ultimate tensile strength- 1200 kN/m	sqm	1569.50
31.19	Providing at all heights, levels & locations Aluminium profile industrial		
	troughed sheet of Alloy 31500/31000/40800, conforming to IS 1254, IS		
	737, IS 2676. The sheet shall be fixed using self drilling/ self tapping SS		
	screws of size 5.5x65 mm with EPDM seal complete upto required pitch		
	in horizontal, vertical or curved surfaces i/c cutting to size and shape		
	where required as per specifications, detail drawings and direction of		
	Engineer-in-Charge. The rate shall be inclusive of all screws, seal, ridge,		
	labour, scaffolding, machinery for fixing and approved sealent where		
	required etc. but excluding the cost of purlins, rafters and trusses.		
	31.19.1 0.71 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm.	cam	984.35
	31.19.2 0.91 mm thick, the profile detail width 1044/920 mm ,cover	sqm	704.33
	width 1000/875 mm.	sqm	1247.90
31.20	Providing and fixing false ceiling at all heights with integral densified	sqiii	1247.50
UI.MU	calcium silicate reinforced with fibre and natural filler false ceiling tiles		
	of Size 595x595mm of approved texture, design and patterns having		
	NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS		
	8225:1987, Light reflectance of 85% (minimum). Non combustible as		
	per BS:476 (part-4), fire performance as per BS:476 (part 6 &7),		
	humidity resistance of 100%, thermal conductivity < 0.043 W/m K as		
	per ASTM 518:1991,in true horizontal level suspended on interlocking		
	metal T-Grid of hot dipped galvanised iron section of 0.33mm thick		
	(galvanized @ 120 grams per sqm including both sides) comprising of		
	main-T runners of size 24x38 mm of length 3000 mm, cross - T of size		
	24x32 mm of length 1200 mm and secondary intermediate cross-T of		
	size 24x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items		
	(galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter		
	M-6 dash fasteners, 6 mm diafully threaded hanger rod upto 1000 mm		
	length and L-shape level adjuster of size 85x25x25x2 mm. Galvanised		
	iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to		
	be fixed on periphery wall / partition with the help of plastic rawl plugs		
	at 450mm center to center and 40 mm long dry wall S.S screws. The		
	work shall be carried out as per specifications, drawing and as per		
	directions of the Engineer-in-Charge.		
	31.20.1 With 15 mm thick tegular edged light weight calcium silicate		
	false ceiling tiles.	sqm	1840.80
31.21	Providing and fixing false ceiling at all heights with integral densified		
	calcium silicate reinforced with fibre and natural filler false ceilingtiles		
	of Size 595x595 mm of approved texture, design and patterns having		
	NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as		
	per BS:476 (part-4), fire performance as per BS:476 (part 6 &7),		
	humidity resistance of 100%, thermal conductivity < 0.043 W/m K as		
	per ASTM 518:1991, in true horizontal level suspended on interlocking		
	metal powder coated T-Grid of hot dipped galvanised iron section of		
	0.40 mm thick on Silhouette profile, rotary stitched double webbed white		
	with 6mm reveal profile (white/black), comprising of main-T runners of		
	size 15x42mm of length 3000 mm, cross - T of size 15x42 mm of length		
	1200 mm and secondary intermediate cross- T of size 15x42 mm of		
	length 600mm to form grid module of size 600 x 600 mm, suspended		
	from ceiling using galvanised mild steelitems (galvanizing @ 80 grams		
	per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6		

CODE	DESCRIPTION	UNIT	RATE
NO.			₹
	mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. 31.21.1 With 15 mm thick integral densified micro edge light weight		
	calcium silicate false ceiling tiles	sqm	2259.00
31.22	Providing and fixing in position wall panelling at all heights with integral densified calcium silicate panels/tiles of size 595 x 595mm, having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity <0.043 W/m K as per ASTM 518:1991, comprising of a frame made from especially fabricated galvanised mild steel sheet 0.50 mm thick pressed section (galvanizing @120 grams per sqm including both sides) i.e. vertical studs of size 48 x 34 x 36 mm are placed at 600mm center to centerin a floor and ceiling channel section of size 50 x 32m fixed to the floor and soffit at 600mm centers using 12mm dia,50mm long wedge type expanded zinc alloy dash fastner with 10mm bolt. This same channel is then to be fixed in horizontal direction at 600mm center to center so as to form a grid of 600mm x 600mm. Glasswool of 50mm thickness is then to be inserted in the slots and finally calcium silicate non combustible panels/tiles are to be screw fixed with self tapping pan head nickel coated mild steel screws of size 13 x 3.2mm on to this grid leaving an even groove of 1 mm between the panels. The joints between the panels are to be duly jointed and finished using recommended jointing calcium silicate based compound and fiber joint tape roll 50mm wide (90 metre) roll and two coats of primer suitable for panelling as per manufacturer's specification as per direction of Engineer-in-Charge all complete. 31.22.1 With 15 mm thick fully perforated square/butt edge		
31.23	lightweight calcium silicate panels/ tiles Providing and fixing 15 mm thick false ceiling tiles at all heights with	sqm	2892.70
J1.4J	integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/mK as per ASTM 518:1991,in true horizontal level on the existing frame work consisting of T-sections and L sections suitably fixed according to tile size as per direction of Engineer-in-charge.	sam	1400.65
31.24	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items	sqm	1400.03

CODE	31.0 (NEW TECHNOLOGIES AND MATERIALS) DESCRIPTION	UNIT	RATE
NO.			₹
	(galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter		
	M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm		
	length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron		
	perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be		
	fixed on periphery wall / partition with the help of plastic rawl plugs at		
	450 mm center to center and 40 mm long dry wall wood screws. The		
	work shall be carried out as per specifications, drawing and as per		
	directions of the Engineer-in-Charge.		
	31.24.1With semi perforated 12 mm thick micro tegular edged GRG		
	false ceiling tiles.	sqm	1849.10
	31.24.2With fully perforated 12 mm thick micro tegular edged or 10 mm	1	
	thick square edged GRG false ceiling tiles.	sqm	1989.55
31.25	Providing and fixing mineral fibre false ceiling tiles at all heights of size	~~~	1,0,00
J1.4J	595X595mm of approved texture, design and pattern. The tiles should		
	have Humidity Resistance (RH) of 99%, Light Reflectance > 85%,		
	Thermal Conductivity $k = 0.052 - 0.057$ w/m K, Fire Performance as per		
	(BS 476 pt - 6 &7)in true horizontal level suspended on interlocking T-		
	Grid of hot dipped all round galvanized iron section of 0.33 mm thick		
	(galvanized @120 gsm) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and		
	secondary intermediate cross T of size 15x32 mm of length 600 mm to		
	form grid module of size 600x600 mm suspended from ceiling using		
	galvanized mild steel item (galvanised@80gsm) 50 mm long 8mm outer		
	diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod		
	up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm,		
	spaced at 1200 mm centre to centre along main 'T'. The system should		
	rest on periphery walls /partitions with the help of GI perimeter wall		
	angle of size24x24X3000 mm made of 0.40 mm thick sheet, to be fixed		
	to the wall with help of plastic rawl plug at 450 mm centre to centre &		
	40 mm long dry wall S.S. screws. The exposed bottom portion of all T-		
	sections used in false ceiling support system shall be pre-painted with		
	polyester baked paint, for all heights. The work shall be carried out as		
	per specifications, drawings and as per directions of the engineer-in-		
	charge.		
	31.25.1 With 16 mm thick bevelled tegular mineral fibre false ceiling		
	tile (NRC 0.55 to 0.6	sqm	2176.40
	31.25.2With 20 mm thick bevelled tegular mineral fibre false ceiling tile		
	(NRC 0.7)	sqm	2471.45
	31.25.3 With 16 mm thick bevelled tegular mineral fibre Antimicrobial		
	false ceiling tile confirming to ISO 5 (class 100) specifications	sqm	2302.85
	REPAIR AND REHABILITATION ITEMS		
31.26	Chipping of unsound/weak concrete material from slabs, beams, columns		
	etc. with manual Chisel and/ or by standard power driven percussion		
	type or of approved make including tapering of all edges, making square		
	shoulders of cavities including cleaning the exposed concrete surface and		
	reinforcement with wire brushes etc. and disposal of debris for all lead		
	and lifts all complete as per direction of Engineer-In-Charge		
	31.26.1 75mm average thickness	sqm	308.40
	31.26.2 50mm average thickness	sqm	208.80
	31.26.3 25mm average thickness	sqm	103.95
31.27	Cleaning of reinforcement from rust from the reinforcing bars to give	54	103.73
31,47	it a total rust free steel surface by using alkaline chemical rust remover		
	of approved make with paint brush and removing loose particles after 24		
	hours of its application with wire brush and thoroughly washing with		
	nours of its application with whe orush and moroughly washing with		

CODE	31.0 (NEW TECHNOLOGIES AND MATERIALS) DESCRIPTION	UNIT	RATE
NO.	2200111	01,11	₹
	water and allowing it to dry, all complete as per direction of Engineer-In-		
	Charge.		
	31.27.1 Bars upto 12 mm diameter	metre	6.60
	31.27.2 Bars above 12 mm diameter	metre	13.25
31.28	Drilling suitable holes in reinforced or plain cement concrete with power		
	driven drill machine to a minimum depth of 100mm upto 200mm in		
	RCC beams, lintels, columns and slabs to introduce steel bars for		
	sunshades/balconies including fixing the steel bars in position using		
	epoxy resin anchor grout of approved make but excluding the cost of		
	reinforcement, all complete as per direction of Engineer-In-Charge.		
	13.28.1 Upto and including 12mm dia.	each	111.50
31.29	Providing, mixing and applying bonding coat of approved adhesive on		
	chipped portion of RCC as per specifications and direction of Engineer-		
	In-charge complete in all respect.		
	31.29.1 SBR Polymer (@10% of cement weight) modified cementitious		
	bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	sam	134.90
	31.29.2 Epoxy bonding adhesive having coverage 2.20 sqm/kgof	sqm	134.70
	approved make	sqm	375.40
31.30	Providing, mixing and applying SBR polymer (of approved make)	- 1	
	modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse		
	sand with polymer minimum 2% by wt. of cement used) as per		
	specifications and directions of Engineer-in-charge.		
	Note: Measurement and payment: The pre-measurement of thickness		
	shall be done just after the surface preparation is completed and Payment		
	under this item shall be made only after proper wet curing has been done		
	and surface has been satisfactorily evaluated by sounding / tapping with		
	a blunt metal instrument and/or the 75mm size cube crushing strength at		
	the end of 28 days to be not less than 30 N/Sqmm2).		
	31.30.1 12 mm average thickness.	sqm	337.15
	31.30.2 25 mm average thickness in 2 layers.	sqm	516.25
21 21	31.30.3 50 mm average thickness in 3 layers.	sqm	1032.55
31.31	Providing, mixing and applying SBR polymer (of approved make @minimum 2% by wt. of cement used) modified plain/reinforced		
	cement concrete for structural members having minimum characteristic		
	compressive strength [with ordinary portland cement, coarse sand and		
	graded stone aggregate of 10mm maximum size in proportion as per		
	design criteria] with specified average thickness.		
	Note : Rates shall be for finished surface area of concrete and shall		
	include the cost of labour, concrete and appropriate approved Super-		
	Plasticiser for rendering concrete as flowable and SBR polymer but shall		
	exclude cost of reinforcement, bond coat, Shear Keys, centering and		
	shuttering, strutting, propping etc (Payment under this item shall be		
	made only after proper wet curing has been done and surface has been		
	satisfactorily evaluated by sounding/tapping with a blunt metal		
	instrument)		
	31.31.1 50mm thick in Grade M 25 with cement content not less than		540.45
	330 kg per cum	sqm	540.45
	31.31.2 75 mm thick in Grade M 25 with cement content not less than	agre	910 65
	330 kg per cum	sqm	810.65
31.32	Providing and laying SBR Polymer modified (of approved make		
31.34	@minimum 2% by wt. of cement used) plain/reinforced concrete jacket		
	for the structural members e.g. columns, pillars, piers, beams etc with		
	concrete having the specified minimum characteristic compressive		
		<u> </u>	1

CODE	31.0 (NEW TECHNOLOGIES AND MATERIALS) DESCRIPTION	UNIT	RATE
NO.		01111	₹
	strength [with ordinary Portland cement, coarse sand and graded stone aggregate of 10mm maximum size in proportion as per design criteria] with specified average thickness all-round existing core of RCC member. Note: Rates shall be for finished surface area of concrete and shall include the cost of making holes in existing RCC slab, if required, for		
	pouring concrete in shuttering mould of jacket and appropriate approved Super-Plasticiser for rendering concrete as flowable self compacting and SBR polymer but shall exclude cost of reinforcement, bond coat, Shear Keys, centering and shuttering, strutting, propping etc (Payment under		
	this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument)		
	31.32.1 50mm thick in Grade M 25 with cement content not lessthan 330 kg per cum 31.32.2 75mm thick in Grade M 25 with cement content not lessthan	sqm	540.45
	330 kg per cum 31.32.3 100mm thick in Grade M 25 with cement content not lessthan	sqm	810.65
31.33	330 kg per cum Providing and injecting approved grout in proportion recommended by	sqm	1080.90
	the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.		
	(The payment shall be made on the basis of actual weight of approved grout injected.)		
	31.33.1 Stirrer mixed Acrylic Polymer of approved make @ 2% of weight of cement used) modified Cement slurry made with non shrink compound in concrete/RCC work	kg	117.85
	31.33.2 Stirrer mixed SBR Polymer (of approved make) modified Cement slurry made with Shrinkage Compensating Cement in	Ng .	117.03
	concrete/RCC work. 31.33.3 Epoxy injection grout in concrete/RCC work of approved	kg	122.10
21.24	make	kg	748.05
31.34	Providing, erecting, maintaining and removing temporary protective screens made out of specified fabric with all necessary fixing arrangement to ensure that it remains in position for the work duration as required by the Engineer-in-charge.		
	31.34.1 Wooven PVC cloth	sqm	46.40
31.35	Cleaning of exposed concrete surface of sticking material includingloose and foreign material by sand blasting with coarse sand followed by and including cleaning with oil free air blast as per direction of Engineer in		242.45
31.36	charge. Shotcreting R.C.C. columns, beams and slabs etc. in layers wit approved design mix concrete having the specified minimum characteristic	sqm	242.45
	compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10 mm maximum size in proportion as per		
	design criteria] including the cost of centering and shuttering at edges and corners etc. as directed by Engineer-in- Charge Note: Rates shall include the providing necessary ground wires etc. The		
	levelling gauges, if used, shall be paid for separately. Payment under this item shall be made only after proper wet curing has been done and		
	surface has been satisfactorily evaluated by sounding/ tapping with a blunt metal instrument.		
	31.36.1 25mm thick in Grade M 25 with cement content not less than 330 kg per cum	sqm	642.25

CODE	31.0 (NEW TECHNOLOGIES AND MATERIALS) DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	UNII	₹
110.	31.36.2 50mm thick in Grade M 25 with cement content not less than		+
	330 kg per cum	sqm	1016.65
	31.36.3 75mm thick in Grade M 25 with cement content not less than	1	
	330 kg per cum	sqm	1452.60
31.37	Providing and inserting 12mm dia galvanized steel injection nipple in		
	honey comb area and along crack line including drilling of holes of		
	required diameter (20mm to 30mm) up to depth from 30mm to 80mm at		
	required spacing and making the hole & crack dust free by blowing		
	compressed air, sealing the distance between injection nipple with		
	adhesive chemical of approved make and allow it to cure complete as per	each	215.85
31.38	direction of Engineer-In-Charge. Providing and fixing hard drawn steel wire fabric of size 75 x25 mm	eacii	213.63
31.36	mesh or other suitable size wire mesh to be fixed & firmly anchored to		
	the concrete surface by means of "L" shaped mild steel shear key welded		
	with existing reinforcement including the cost of materials, labour, tool		
	& plants as approved by Engineer-in-charge.	sqm	821.55
		1	
NEW TE	CCHNOLOGY ITEMS		
31.39	Designing, providing, installing and fixing factory finished custom		
	designed cold form Light Gauge Steel Framed super structure comprising		
	of steel wall panel, trusses, purlins etc manufactured out of minimum		
	0.75 mm thick steel sheet as per design requirements. The steel sheet		
	shall be galvanized (AZ-150gms Aluminium Zinc Alloy coated steel		
	having minimum yield strength 300-550 Mpa) conforming to AISI specifications and IBC 2009 for cold formed steel framing and		
	construction and also as per IS: 875-1987, ISO 800- 1984 and IS: 801-		
	1975. The wind load shall be as per provisions of IS 875 (part -III).		
	LGSFS frame shall be designed as per IS: 801 using commercially		
	available software such as Frame CAD Pro-11.7/ STAAD PRO-		
	V8i/ArchitekV2.5.16/ Revit architecture-2011 or equivalent. Proper		
	usage of Connection Accessories like Heavy Duty Tension Ties, Light		
	Duty Hold-ons, Twist Straps (to connect truss with wall frames), Strong		
	Tie, Tie Rod, H-Brackets, Boxing Sections, L-Shaped Angles for better		
	structural stability. The framing section shall be cold form C-type having		
	minimum web depth 89 mm x 39mm flange x 11mm lip in required		
	length as per structural design requirement duly punched with dimple/slot		
	at required locations as per approved drawings. The slots will be along centre line of webs and shall be spaced minimum 250mm away from		
	both ends of the member. The frame can be supplied in panelized or		
	knock down condition in specific dimensions and fastened with screws		
	extending through the steel beyond by minimum of three exposed		
	threads. All self-drilling tapping screws for joining the members shall		
	have a Type II coating in accordance with ASTM B633(13) or equivalent		
	corrosion protection of gauge 10 & 12, TPI 16& 8 of length 20mm. The		
	frames shall be fixed to RCC slab or Tie beam over Neoprene rubber		
	using self-expanding carbon steel anchor bolt of dia as per approved		
	drawings. design subject to minimum 12mm diameter and 121mm length		
	conforming to AISI 304 and 316 at 500mm c/c with minimum		
	embedment of 100mm in RCC (RCC to be paid separately) and located		
	not more than 300mm from corners or termination of bottom tracks		
	complete in all respects. The item also includes the submission of stability reports duly examined and issued by any NIT/IIT. The rate		
	includes the concept design, detailed design, fabrication of sections,		
	transportation, installation and all required fixing arrangement at site as		
	described above.	kg	372.90
L	<u> </u>		

90. 31.40 Providing and fixing of external wall system on Light gauge steel frame work with. Outer face having form thick heavy duty fiber cement board on fixed on 9mm thick heavy duty fiber cement board confirming to 1S 14862:2000, category IV type A (High pressure steam cured) as per standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make. A grove of 2 mm to 3mm shall be maintained and groves shall be seaded with silicon based sealant. The board shall be fixed in a staggered pattern. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm and internal face 12.5mm thick gypsum plaster board fixed on 8mm thick fiber cement board confirming to 1S 14862:2000 of category III type B (High pressure steam cured) as per standard sizes fixed with self-drilling / taping compound for seamless finish, clost of frame work to be paid for separately). 31.41 Providing and fixing internal wall panels on Light gauge steel framework with 12.5mm thick gypsum plaster board conforming to 1S 14862:2000 of category III type B (High pressure steam cured) asper standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make, Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm. Proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for scameloss finish, cost of frame work to be paid for separately) 31.42 Providing and fixing in all exterior face panels breathable vapour barrier underneath the cement fiber board as per National Building Code 2009 complete as per direction of fragineer-in-change. 31.43 Supplying and installation of moisture resistant/fire resistant 6mm thick elected filling/laping screws. Screws shall be of counter sunk rib head of 1.60mm to 4mm thick of 8 to 10 gauge of length varying from 25 to 45mm. Providing and fixing in position, 200 mm thick factory made Expanded Pol	CODE	DESCRIPTION 31.0 (NEW TECHNOLOGIES AND MATERIALS)	UNIT	RATE
Providing and fixing of external wall system on Light gauge steel frame work with. Outer face having four thick heavy duty fiber cement board fixed on 9mm thick heavy duty fiber cement board confirming to IS 14862:2000, category IV type A (High pressure steam cured) as per standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make. A grove of 2 mm to 3mm shall be maintained and groves shall be sealed with self-drilling / taping screws for Stanters with the dof 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm and internal face 12.5mm thick gypsum plaster board fixed on 8mm thick fiber cement board confirming to IS 14862:2000 of category III type B (High pressure steam cured) as per standard sizes fixed with self-drilling/ taping screws / fasteners @ 60cm c/c of approved make, proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.cost of frame work with 12.5mm thick sypsum plaster board conforming IS 2095:2011 fixed on 8mm thick fiber cement board conforming to IS 14862:2000 of category III type B (High pressure steam cured) asper standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make, Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm. Proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.cost of frame work to be paid for separately) 31.42 Providing and installation of moisture resistant/fire resistant form thick Heavy duty fiber cement board (High pressure steam cured) conforming to IS 14862:2000 of category III type B as per standard sizes fixed with self-drilling/taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 4 5mm. 31.43 Supplying and installation of moisture resistant/fire resistant form thick Heavy duty fiber cement bo		DESCRIPTION	01111	
31.41 Providing and fixing internal wall panels on Light gauge steel framework with 12.5mm thick gypsum plaster board conforming IS 2095:2011 fixed on 8mm thick fiber cement board conforming to IS 14862:2000 of category III type B (High pressure steam cured) asper standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make, Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm. Proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cost of frame work to be paid for separately) 31.42 Providing and fixing in all exterior face panels breathable vapour barrier underneath the cement fiber board as per National Building Code 2009 complete as per direction of Engineer-in-charge. 31.43 Supplying and installation of moisture resistant/fire resistant 6mm thick Heavy duty fiber cement board (High pressure steam cured) conforming to IS 14862:2000 of category III type B as per standard sizes fixed with self-drilling/taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4mm thick of 8 to 10 gauge of length varying from 25 to 45mm. 31.44 Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shortcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall, kept at 120-135 mm gap and connected by the zigzag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20 kg/per cum. Both the outer faces of the panel shall be finished by applying the layer of 50 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} Å with the help		work with. Outer face having 6mm thick heavy duty fiber cement board fixed on 9mm thick heavy duty fiber cement board confirming to IS 14862:2000, category IV type A (High pressure steam cured) as per standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make. A grove of 2 mm to 3mm shall be maintained and groves shall be sealed with silicon based sealant. The board shall be fixed in a staggered pattern. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm and internal face 12.5mm thick gypsum plaster board fixed on 8mm thick fiber cement board confirming to IS 14862:2000 of category III type B (High pressure steam cured) as per standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make, proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cost of frame work		
with 12.5mm thick gypsum plaster board conforming IS 2095:2011 fixed on 8mm thick fiber cement board conforming to IS 14862:2000 of category III type B (High pressure steam cured) asper standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make, Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm. Proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cost of frame work to be paid for separately) 31.42 Providing and fixing in all exterior face panels breathable vapour barrier underneath the cement fiber board as per National Building Code 2009 complete as per direction of Engineer-in-charge. 31.43 Supplying and installation of moisture resistant/fire resistant 6mm thick Heavy duty fiber cement board (High pressure steam cured) conforming to IS 14862:2000 of category III type B as per standard sizes fixed with self-drilling/taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4mm thick of 8 to 10 gauge of length varying from 25 to 45mm. 31.44 Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shortcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 50 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} Å with the help of shotcreting/guniting equipment etc at a pressure not less than 1 bar (100Kn/m2) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and s	21 41		sqm	2907.05
31.42 Providing and fixing in all exterior face panels breathable vapour barrier underneath the cement fiber board as per National Building Code 2009 complete as per direction of Engineer-in-charge. 31.43 Supplying and installation of moisture resistant/fire resistant 6mm thick Heavy duty fiber cement board (High pressure steam cured) conforming to IS 14862:2000 of category III type B as per standard sizes fixed with self-drilling/taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4mm thick of 8 to 10 gauge of length varying from 25 to 45mm. 31.44 Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shortcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall, kept at 120-135 mm gap and connected by the zigzag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 50 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} À with the help of shotcreting/guniting equipment etc at a pressure not less than 1 bar (100Kn/m2) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge. 31.45 Providing and fixing in position, 230mm thick factory made Expanded Polystyrene Core (EPS Core) roof/floor panels made of 3 mm dia G.I.	31.41	with 12.5mm thick gypsum plaster board conforming IS 2095:2011 fixed on 8mm thick fiber cement board conforming to IS 14862:2000 of category III type B (High pressure steam cured) asper standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make, Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm. Proper taping and jointing to be done using fiber mesh tape and epoxy and		
underneath the cement fiber board as per National Building Code 2009 complete as per direction of Engineer-in-charge. 31.43 Supplying and installation of moisture resistant/fire resistant 6mm thick Heavy duty fiber cement board (High pressure steam cured) conforming to IS 14862:2000 of category III type B as per standard sizes fixed with self-drilling/taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4mm thick of 8 to 10 gauge of length varying from 25 to 45mm. 31.44 Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shortcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall, kept at 120-135 mm gap and connected by the zigzag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 50 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} À with the help of shotcreting/guniting equipment etc at a pressure not less than 1 bar (100Kn/m2) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge. 31.45 Providing and fixing in position, 230mm thick factory made Expanded Polystyrene Core (EPS Core) roof/floor panels made of 3 mm dia G.I.		to be paid for separately)	sqm	2207.35
Heavy duty fiber cement board (High pressure steam cured) conforming to IS 14862:2000 of category III type B as per standard sizes fixed with self-drilling/taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4mm thick of 8 to 10 gauge of length varying from 25 to 45mm. 31.44 Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shortcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall, kept at 120-135 mm gap and connected by the zigzag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 50 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} À with the help of shotcreting/guniting equipment etc at a pressure not less than 1 bar (100Kn/m2) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge. 31.45 Providing and fixing in position, 230mm thick factory made Expanded Polystyrene Core (EPS Core) roof/floor panels made of 3 mm dia G.I.	31.42	underneath the cement fiber board as per National Building Code 2009	sqm	295.45
Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shortcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall, kept at 120-135 mm gap and connected by the zigzag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 50 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} À with the help of shotcreting/guniting equipment etc at a pressure not less than 1 bar (100Kn/m2) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge. 31.45 Providing and fixing in position, 230mm thick factory made Expanded Polystyrene Core (EPS Core) roof/floor panels made of 3 mm dia G.I.	31.43	Heavy duty fiber cement board (High pressure steam cured) conforming to IS 14862:2000 of category III type B as per standard sizes fixed with self-drilling/taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4mm thick of 8 to 10 gauge of length varying from 25 to		997.20
31.45 Providing and fixing in position, 230mm thick factory made Expanded Polystyrene Core (EPS Core) roof/floor panels made of 3 mm dia G.I.	31.44	Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shortcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall, kept at 120-135 mm gap and connected by the zigzag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 50 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} À with the help of shotcreting/guniting equipment etc at a pressure not less than 1 bar (100Kn/m2) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and	sqiii	
, ·	31.45	Providing and fixing in position, 230mm thick factory made Expanded Polystyrene Core (EPS Core) roof/floor panels made of 3 mm dia G.I.	sqm	4264.10

CODE	31.0 (NEW TECHNOLOGIES AND MATERIALS) DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	01111	KAIE ₹
1,0,	faces of panel, kept at 120-135 mm gap and connected by the zigzag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of		
	density not less than 20kg/ per cum. The bottom side of the panel shall be finished by applying a layer of 60-65 mm thick cement mortar 1: 3 {1		
	cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} À with the help of shotcreting equipment etc at a pressure of not less than 1 bar (100Kn/m2) and surface finished with trowel. The top		
	face of the panel shall be provided and finished by applying 70-75 mm thick layer of cement concrete 1:1.5: 3 (1 cement :1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). Fixing operations of		
	roof/floor panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge	sam	4506.35
31.46	Providing and fixing of customized aluminium formwork for monolithic	sqm	4300.33
	construction RCC members with a repetitive usage of 100 times using grade 5052 aluminium of panel sheets of minimum 4 mm thick and grade 6061 (Type 6) aluminium for autraled sections. The form work includes		
	6061 (Type-6) aluminium for extruded sections. The form work includes of beam components i.e. beam side panel, prop head for soffit beam,		
	beams soffit panel, beam soffit bulk head and deck components i.e. deck panel, deck prop, prop length, deck mid, soffit length, deck beam bar and wall components i.e. wall panel, rocker, kiker and internal soffit corner,		
	external soffit corner, external corner, internal corner etc. The panels are held in position by a simple pin and wedge system that passes through		
	holes in the outside rib of each panel. The tolerance of finished panels to be (-1 mm), and shall conform to IS 14687-1999. Pins and wedges to be made of high grade mild steel, all complete as per direction of Engineer-		
	in- charge. (Cost of RCC work shall be paid separately)	sqm	209.95
31.47	Providing and fixing in position factory made EPS cement sandwich		
	wall/roof/floor light weight solid core panels made of core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have		
	density not less than 15kg per cum) adhesive, cement, sand, flyash and		
	other bonding material in mortar state processed to form in a preset		
	mould. 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. Panel shall be		
	laid on 6mm thick cement mortar (1 cement: 2 fine sand) mixed with		
	chemical adhesive of 0.5kg per 50kg of cement or shall be preferably		
	fixed into 'C' channel made of 1.2mm thick MS plate screwed/fastenened		
	to the slab/column/ beam etc. The panel shall fixed vertically with tongue and groove joint and horizontally locked with steel bar between each		
	other and floors and filled with cement mortar and adhesive. Panels		
	should be used as floor & roofing with additional structural support, steel		
	or RCC depending upon the design. All the operation shall be completed		
	in all respect as per drawings, Manufacturers specifications and under the		
	overall direction of Engineer-in-Charge (Cost of all the material is		
	included except "C channel" which will be paid separately).	sam	1102 00
	31.47.1 Non load bearing panels 50mm thick of required size 31.47.2 Non load bearing panels 60mm thick of required size	sqm sqm	1193.90 1355.45
	31.47.2 Non load bearing panels of min thick of required size 31.47.3 Non load bearing panels 75mm thick of required size	sqm	1643.45
	31.47.4 Non load bearing panels 90mm thick of required size	sqm	1966.55
	31.47.5 Non load bearing panels 100mm thick of required size	sqm	2310.75
31.48	Providing and fixing in position factory made non asbestos fibre		
	reinforced aerated cement sandwich wall/roof/floor light weight solid		
	core panels made of light weight cement concrete core composed of OPC		

CODE	31.0 (NEW TECHNOLOGIES AND MATERIALS) DESCRIPTION	UNIT	RATE
	DESCRIPTION	01111	
NO.	cement, pulverized flyash, quick lime, cotton pulp & Gypsum in mortar state mixed with aeration agent in a preset mould. The outer face on both sides of the panels will be non asbestos fibre cement board confirming to IS 14862:2000. These solid wall panels are installed using Galvanized iron steel tracks/C channel of 1mm thick of required sizes as recommended by manufacturer's and fixed to floor and RCC soffit in plumb to each other with steel screw/ fasteners. The panel shall be fixed vertically with tongue &groove joint with cement based polymer modified jointing compound. The exposed surface finished with fibre mesh/glass fibre tape with polymer based jointing compound having superior flexibility. Panels should be used as floor & roofing with		₹
	additional structural support, steel or RCC depending upon the design. All the operation shall be completed in all respect as per drawings, Manufacturers specifications and under the overall direction of Engineer-in-Charge (Cost of all the material is included except "tracks/C channel" which will be paid separately). 31.48.1 Non load bearing panels 50mm thick of required size (minimum 4mm thick fibre cement board) 31.48.2 Non load bearing panels 75mm thick of required size (minimum	sqm	1362.80
	4mm thick fibre cement board)	sqm	1580.55
31.49	Supplying of standard quality GFRG panel of 124 mm thickness with modular cavities purchased from GFRG panel manufacturing plant in the country, cut to required wall sizes and floor/ roof slab sizes in correct length and height, including cutting of door, window and ventilator opening as per the cutting drawing prepared by architects /design engineers for the construction of GFRG building and loaded in stillages for transportation to the construction site. Cost of panel includes security deposits, hire charges of stillages & jaws, cost of transportation in trucks/ lorries without any damages upto300kms including all leads and lifts from GFRG manufacturing plant to construction site and unloading at site using suitable fork lift/ crane. (Payment shall be made on the basis of area of one side of panel without reduction of opening of door/window / ventilator). For transportation above 300kms, additional charges to be paid. Erection of GFRG Panels in walls in all floors using suitable crane as per	sqm	1422.25
	instructions of Engineer-in-Charge, as per cutting drawings and structural drawings, in perfect line and plumb, above RCC plinth beam/GFRG panel below and provide necessary lateral/ slanting support to keep the wall panel in safe position, providing & tieing of Reinforcement as per structural drawings and applying a coat of water repellent coating Zycosil/equivalent or equivalent product (1 Zycosil/equivalent compound:10 water) to saturation level over RCC plinth beam to provide water proofing treatment to joint between wall panel & plinth beam as per the guide line /instruction by the engineer in charge. (Cost of reinforcement, water proofing of walls and plinth beam/GFRG panel below joints and installation of door/window frames before filling of concrete shall be paid separately). The rate quoted shall include making provision for laying of lintels, beams, sunshades, staircase beams, lofts, plumbing work, electrical conduits and any structural insertion etc., as per the drawing and direction of the engineer in charge. The payment shall be made based on the actual exposed area (one side only) of the panel. The work shall be carried out as per the Special Conditions For Glass Fibre Reinforced Gypsum (GFRG) Structures mentioned in NIT.Note: i) When cutting panel, "A" side is to be for outside or external surface of respective external wall and B side is to be for internal surface of wall		

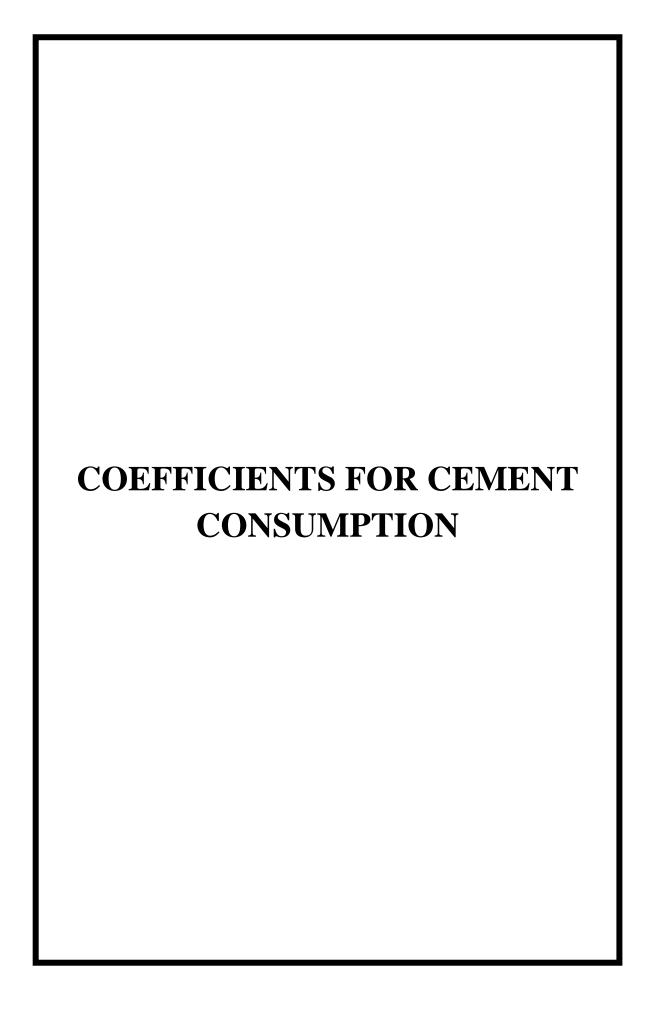
CODE	DESCRIPTION DESCRIPTION	UNIT	RATE
NO.			₹
	ii)Erection of panel is to be with reference to both building plan &cutting		
	drawing by following notational mark indicated in the cutting drawing as		
	well as notional mark written on each panel cut as per cutting drawing	sqm	240.05
31.51	Filling of empty cavities (as shown in the structural design drawing) with		
	quarry dust mixed with 5% cement (by volume). After initial infill of		
	50mm thick with M25 concrete at base/ bottom of cavities to seal off,		
	infill wall panel cavities in 3 stages as detailed below, (i) 1st pour / infill		
	to be limited to 0.3 to 0.50 m height from bottom of the panel.(ii) 2nd		
	Pour/ infill: infilling shall be done only after 90 minutes interval between		
	successive pours. The maximum height of infill shall be restricted to		
	1.5m height or up to the top level of door / window.(iii) 3rd pour/infill:		
	After an interval of 90 minutes of second pour, infill or pour the balance		
	height up to the bottom of embedded RCC tie beam. Pour enough water just required to dampen the dry mix enough to form cake form after each		
	stage.(cost of laying M25 concrete shall be paid separately)(If any rain		
	falls in between any stages of concrete pour, make sure to cover the panel		
	top to prevent ingress of water or water falling into the cavities. In case of		
	water collection over the concrete inside the panel, drill 10mm hole in		
	GFRG panel immediately above concrete filled level to drain out water		
	before pour/in-fill of balance concreting)	cum	2115.15
31.52	Laying of GFRG panel as roof / floor slab panel and stair case panel		
01102	using suitable crane as per instructions of Engineer-in Charge, including		
	providing support system with 25mm x 300mm-400 mm wide plywood,		
	as runner with proper prop below proposed micro beams including		
	(a) Cutting of top flange of panel to 180 mm wide (leaving 25mm		
	projection on either side) to provide RCC embedded micro beam as per		
	cutting drawings and structural drawings.		
	(b) Reinforcement for micro beams and tie beams to be provided in		
	position with proper anchorage as per structural drawings.		
	(c) Provision for Electrical cabling, fan hooks and laying of pipes for		
	plumbing work.		
	(d) Concreting of Tie beam, micro beam and top of GFRG panels (50		
	mm thick) with M-25 cement concrete mix using coarse aggregate of size		
	less than 20 mm including laying of 10 gauge 100x100 size weld mesh		
	with 25 mm effective cover from the panel top.	sqm	244.15
31.53	Supplying and fixing 10 Gauge weld mesh of size 100mm x100mm for		
	floor/roof slab concrete screed over the micro beams as reinforcement.		255.70
21.54	The weld mesh shall be fixed as per drawing.	sqm	255.70
31.54	Application of ZMB 60/equivalent solution (100 Kg ZMB 60/equivalent,		
	1 litre ZMB Nano Thinner, 20 litre water & 1 Litre		
	Zycoprime/equivalent = 122 litre/kg) over already applied coat of		
	Zycosil/equivalent & Zycoprime/equivalent solution on the top of all the RCC plinth beams by brush/spray coat before erection of GFRG over		
	RCC plinth beams in GF. In the case of upper floors 150 mm wide on		
	floor slab for all the external walls, bath/toilet/wet areas (3 hrs drying		
	time) before erection of wall panel on upper floors including erection of	sqm	319.40
	parapet wall.	oq	517.10
31.55	After erection of GFRG wall panels, seal all GFRG wall joints with paper		
	tape temporarily. Water proofing treatment of vertical joints with		
	Zycosil/equivalent water proofing Solution (1 litre of Zycosil/equivalent		
	& 20 litres of water stirred first & 2 litres of Zycoprime/equivalent added		
	and stirred (total 23 litres)) with 50 ml syringe till the gap and in filled		
	concrete is completely saturated. After removing the paper seal, seal off		
	the vertical joints with water proofing material "Grout RW/ equivalent"		
	(Sealing cost excluded.)	metre	90.25
	•	i	

CODE	DESCRIPTION 31.0 (NEW TECHNOLOGIES AND MATERIALS)	UNIT	RATE
NO.	DESCRIPTION	01111	KAIL
31.56	Filling of joints between RCC plinth beam / floor slab and wall panel of		`
31.50	external walls, toilet / bath room / wet areas walls on all floor and parapet		
	wall over roof slab, stair case head room at the time of erection of GFRG		
	panels with Grout RW/ equivalent sealant compound after the erection of		
	panel before the infill of concrete in panel cavities and fine finish. This		
	applies for all horizontal and vertical joints between GFRG wall and slab		
	panels.	metre	42.55
31.57	Water proofing treatment of Vertical joints (of external side and internal		
	side) between door frame, window & ventilator frames (on all four sides)		
	of outer wall over the Zycosil/equivalent & Zycoprime/equivalent		
	solution already applied (before the installation of door / window /		
	ventilator frames in position) and fine finish with Grout RW/equivalent.	metre	43.45
31.58	Water proofing treatment of RCC sunshade with Zycosil/equivalent	1110110	
	water proofing Solution (1 litre of Zycosil/equivalent & 20 litres of water		
	stirred first & 2 litres of Zycoprime/equivalent added and stirred (total 23		
	litres)) till it meets the saturation level and testing as per RILEM or by		
	water drops test in which water drops do not absorb but drops remain or		
	rolls.	sqm	140.90
31.59	In-filling / sealing of joint between RCC lintel cum sun shade and wall	-1	
	(on external side) in all floors by pushing in Grout RW/equivalent in		
	paste form and coving 20 mm x 20 mm after applying a coat of		
	Zycosil/equivalent & zycoprime/equivalent solution before cement		
	plastering of top, bottom and sides of RCC sunshade.	metre	43.45
31.60	Designing, Providing, installing and fixing factory finished customed		
	design pregalvanized high tensile steel joists manufactured from G350		
	Z275 confirming to IS: 277-1992, minimum coating of galvanizing 275		
	gm/sqm, minimum yield stress 35 MPa & minimum tensile strength of		
	380 M Paplaced 1.23 metre apart to support the load of slab etc as per the		
	design & directions of Engineer-in-Charge.	kg	153.45
31.61	Providing and fixing special adjustable lockbars of mild steelE-250 to		
	support the temporary plywood for work between joists during		
	construction as per design & directions of the Engineer-in-charge.	kg	21.15
31.62	Centering and shuttering with 12mm thick shuttering plywood		
	confirming to IS 4990:2011 and removal of form at all heights. Plywood		
	will be supported on lock bars.		
	31.62.1 Suspended floors, roofs, landings, balconies and access		
	platform.	sqm	91.80
31.63	Providing and fixing roofing consist of 0.8 mm thick galvanizedsteel		
	deck sheet confirming to IS 277:1992 used as permanent shuttering over		
	which MS wire mesh 3mm laid at 100x100 mm grid including edge trim		
	covered with concrete. This metal deck will be supported on structural		
	steel beam with shear studs. (Structural steel like Beam, column, joists		
	etc. & concrete of different grade as per design will be paid separately).	sqm	1810.90
31.64	Providing and fixing in position, 130 mm thick factory made Expanded		
	Polystyrene Core (EPS Core) wall panels consisting of EPS core		
	sandwiched between two Engineered sheets of welded wire fabric mesh		
	duly finished with shortcrete materials on outer faces. The fabric mesh		
	shall be made of 3 mm dia zinc coated G.I. wire mesh with 50 mm pitch		
	in both the directions and on both faces of the wall and connected by GI		
	wire of 3mm dia at alternate row by welding. The EPS core shall consist		
	of 60 mm thick EPS of density not less than 16 kg/per cum. Both the		
	outer faces of the panel shall be finished by applying the layer of 35 mm		
	thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than		
	40% stone chips of size upto 6 mm)} with the help of		

CODE	DESCRIPTION DESCRIPTION	UNIT	RATE
NO.	22001112 11011	01,11	₹
	shotcreting/guniting equipment etc at a pressure not less than 1 bar (100KN/m2) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in- charge.	sqm	2622.80
31.65	Providing and fixing of external thermal insulation and composite system		
	with First layer of self-extinguishing type Expanded Polystyrene (EPS) insulation boards of 120 mm thick (max 1mX0.5m section), confirming to IS 4671:1984, having thermal conductivity of 0.034 W/mK, (measured as per IS 3346- 1980), density of 20-24 kg/m³ measured as per IS 5688-1982, Fire retardant property self-extinguishing type as per EN 13501-1, bonded with special polymer modified cementitious adhesive confirming		
	to EOTA ETAG 004 (European Technical Approval) formulated to bond polystyrene insulation boards to typical mineral substrate (according to ETAG 004) and Polypropylene mechanical fasteners with plastic pin confirming to EOTA ETAG 014 (European Technical Approval) having dia 10mm & L=200mm on finished level wall and the junction between		
	two adjacent EPS boards to be sealed with low expansion moisture cure Polyurethane Foam. Second layer consists of Fiberglass mesh covered with alkali-resistant coating, mass per unit area > 145 gm/m2, mesh size:		
	3.9x4.0 mm ±10% embedded in special polymer modified cementitious Base Coat with hydrophobes and the corners will be protected with Corner-beads with alkali-resistant mesh wings at least 10cm wide, mesh		
	mass per unit area min 145 gm/m2. The surface will be levelled, finished, made smooth complete in all respect as per manufactures specification		2710.70
21.66	and as per directions of Engineer-in-Charge.	sqm	3710.70
31.66	Providing and laying factory made Precast concrete solid blocks of 200mm thickness of grade M10 made of C&D waste from approved		
	manufacturer in foundation and plinth in:		
31.67	31.66.1 Cement mortar 1:6 (1 cement : 6 coarse sand) Providing and laying factory made Precast concrete solid blocks of	cum	6124.65
31.07	200mm thickness of grade M10 made of C&D waste from approved		
	manufacturer in superstructure above plinth level up to floor V level 31.67.1 Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	8585.90
31.68	Providing and laying half block masonry with factory madePrecast	cum	0303.70
	concrete solid blocks of 100 mm thickness of grade M10 made of C&D waste from approved manufacturer in foundation and plinth in: 31.68.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	752.00
31.69	Providing and laying half block masonry with factory made Precast	··· 1 ·	
	concrete solid blocks of 100 mm thickness of grade M10 made of C&D waste from approved manufacturer in superstructure above plinth level up to floor V level:		
	31.69.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	970.55
31.70	Providing and laying 60mm thick factory made cement concrete paver block of approved shape and colour of M -30 grade made of C&D waste by block making machine with vibratory compaction laid in required		
	pattern and including over 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of		602 50
	Engineer-in-charge. PREFAB/PRECAST TECHNOLOGY	sqm	692.60
	I REFAD/I RECASI TECHNOLOGI		
31.71	Fabrication & Manufacturing of Prestressed Hollow Core slab(Hollow		
	area 25 to 30%) of different thickness & modular width 1200 mm in Controlled Factory Environment with approved methodology informing to IS 10297- 1982 conforming to IS: 10297- 1982 by using long line		
	casting method having arrangement of proper steel bed. Concreting		

CODE	DESCRIPTION 31.0 (NEW TECHNOLOGIES AND MATERIALS)	UNIT	RATE
NO.		01111	₹
1,0,	should be done by batch mixing plant capable of producing zero slump		•
	concrete, transported through automatic shuttels of standard make &		
	layed on bed with the help of extruder/Slip former, finishing, curing and		
	also provision of steam curing. Cutting, making necessary cut out/holes		
	of required sizes for services in slab element after achieving required		
	strength, yard handling& stacking all complete as per approved shop		
	drawings & design mix as per the direction of the Engineer-in-charge.		
	(Cost of strands should be paid separately).		
	Note: Excess/ less cement over the specified cement content used as per		
	design mix is payable / recoverable separately.		
	31.71.1 Concrete Grade-M-40 (cement content 400 kg)		
	31.71.1 100 mm thick hollow core slab	matra	1197.15
		metre	
	31.71.1.2 120 mm thick hollow core slab	metre	1398.20
	31.71.1.3 150 mm thick hollow core slab	metre	1699.75
	31.71.1.4 200 mm thick hollow core slab	metre	2069.85
	31.71.1.5 250 mm thick hollow core slab	metre	2539.50
	31.71.1.6 300 mm thick hollow core slab	metre	3008.75
	31.71.1.7 350 mm thick hollow core slab	metre	3478.20
	31.71.1.8 400 mm thick hollow core slab	metre	3947.65
	31.71.2 Extra for using M-50 (Cement content 425 kg) instead of M40		• • • •
	31.71.2.1 100 mm thick hollow core slab	metre	25.40
	31.71.2.2 120 mm thick hollow core slab	metre	30.45
	31.71.2.3 150 mm thick hollow core slab	metre	38.10
	31.71.2.4 200 mm thick hollow core slab	metre	47.40
	31.71.2.5 250 mm thick hollow core slab	metre	59.25
	31.71.2.6 300 mm thick hollow core slab	metre	71.10
	31.71.2.7 350 mm thick hollow core slab	metre	82.95
	31.71.2.8 400 mm thick hollow core slab	metre	94.80
	31.71.3 Extra for using M-60 (Cement content 440 kg) instead of M40		
	31.71.3.1 100 mm thick hollow core slab	metre	40.60
	31.71.3.2 120 mm thick hollow core slab	metre	48.70
	31.71.3.3 150 mm thick hollow core slab	metre	60.95
	31.71.3.4 200 mm thick hollow core slab	metre	75.80
	31.71.3.5 250 mm thick hollow core slab	metre	94.80
	31.71.3.6 300 mm thick hollow core slab	metre	113.75
	31.71.3.7 350 mm thick hollow core slab	metre	132.65
	31.71.3.8 400 mm thick hollow core slab	metre	151.65
31.72	Fabrication and manufacturing of solid precast concrete element with		
	provisions of shear keys, connecting loops, dowel tubes and proper lifting		
	accessories for walls, beams, slabs, stairs, column etc, of various		
	thickness, shape and size of different concrete grades manufactured in		
	controlled factory environment with approved methodology including		
	moulds (Pallet system, Tilts form, table moulds, battery moulds, vertical		
	moulds, beam moulds, column moulds, staircase moulds, Facade mould,		
	etc.), mixing, transporting and placing of concrete, vibrating, curing,		
	finishing, making necessary cutout/ holes of required sizes for services,		
	yard handling & stacking all complete as per IS 11447:1985 and as per		
	approved shop drawings and design mix as per the direction of Engineer-		
	in-Charge (Cost of reinforcement, Mechanical, Electrical and Plumbing		
	inserts will be paid separately).		
	31.72.1 Concrete grade M-35 (Cement content 370 kgs)	cum	19190.80
	31.72.2 Extra for using M-40 (Cement content 400 kg) instead of M-35	cum	338.50
ļ	31.72.3 Extra for using M-50 (Cement content 425 kg) instead of M-35	cum	620.55
1			
	31.72.4 Extra for using M-60 (Cement content 440 kg) instead of M-35	cum	789.80

CODE	31.0 (NEW TECHNOLOGIES AND MATERIALS) DESCRIPTION	UNIT	RATE
NO.	DESCRIPTION	UNII	₹
31.73	Providing & laying in position Prestressing steel strands (low relaxation)		
31.73	on hollow core bed by using mechanical pulling arrangement like Rabbit/		
	Bed master including all accessories for Stressing & distressing		
	operations as per approved make conforming to IS1343 & grade FY-		
	1860 etc, complete as per drawings and direction of Engineer -in-charge.	Va	148.90
	1800 etc, complete as per drawings and direction of Engineer -in-charge.	Kg	140.90
31.74	Transportation of Precast Elements by flatbed Trailer (Double/ Triple		
	axle 40ft Length with proper accessories like A frame etc) from factory,		
	including the cost of loading, unloading &stacking at site with the help		
	of required capacity cranes.		
	31.74.1 Lead within 15km	MT	507.20
	31.74.2 Add/Deduct over item 31.74.1 for every additional lead of 5 km	MT	121.50
31.75	Erection & Installation of Precast/Prestressed Concrete elements in		
	correct & final position with proper line level and plumb at site making		
	all arrangements (i.e cranes, push-pull jacks & all another T & P for		
	lifting Placing & Alignment of elements, within erection tolerance as per		
	IS 15916 as per approved shop drawings and all complete as per the		
	direction of Engineer-in-Charge but excluding the cost of sim pads, non		
	shrink grout and steel works i.e hangers. All work up to fifth floor.		
	31.75.1 Prestressed hollow core Slab up to 200 mm thickness	sqm	171.20
	31.75.2 Prestressed hollow core slab above 200 mm up to 400 mm	1	
	thickness	sqm	289.65
	31.75.3 Solid concrete wall elements	cum	1818.65
31.76	Providing & Applying weather proof sealant on outer joints of approved		
	make confirming to IS & directed by Engineer-in-charge.		
	31.76.1 Sealant 25mmx10mm at joints	metre	155.40
31.77	Providing & Laying of levelling sim pads required sizes (5x5cmto		
	10x10cm) of PVC / Rubber to adjust level of bearing surface of		
	supporting members as per the direction of Engineer in charge.		
	31.77.1 2 mm thick	each	23.55
	31.77.2 5 mm thick	each	30.20
	31.77.3 10 mm thick	each	43.60
31.78	Providing & Grouting of dowel tubes / Shear keys / Joints of precast		
	members with M-60 grade cementitious grout (Non Shrink) of approved		
	make by suitable means (Free flowing / pump), curing etc. Complete as		
	per directions of Engineer-in-charge.		
	(The payment shall be made on the basis of actual weight of approved		
	grout injected.)		
	31.78.1 Stirrer mixed cementitious grout (non shrink) of approved		
	make in dowel tubes / Shear keys / Joints of precast members.	kg	113.35
31.79	Providing and fixing Scaffolding net of required width made of high		
	density Polyethylene UV stabilized knitted on warp knitting machines		
	having density 100gm/sqm and shading coefficient minimum 75%		
	around the construction site/ for vertical extension as per requirement		
	including fastening/tying with building/scaffolding pipes or with any		
	other fixtures etc. complete as per direction of Engineer-in-Charge. (One-		
	time payment shall be made for providing Scaffolding net from start of		
	work till completion of work including shifting if any. The Scaffolding		
	net shall be the property of the contractor on completion of the work)	sqm	24.15
	or the property of the contractor on completion of the work)	~ 4	



1.0 COEFFICIENT FOR CEMENT CONSUMPTION

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 3.0 MORTARS

2055	3.U MUKTARS		T a
NO.	DESCRIPTION	UNIT	Quantity of cement in quintals per unit quantity of work
3.6	Cement Mortar 1 : 1 (1 cement: 1 fine sand)	cum	10.20
3.7	Cement Mortar 1 : 2 (1 cement: 2 fine sand)	cum	6.80
3.8	Cement Mortar 1 : 3 (1 cement: 3 fine sand)	cum	5.10
3.9	Cement Mortar 1 : 4 (1 cement: 4 fine sand)	cum	3.80
3.10	Cement Mortar 1 : 5 (1 cement: 5 fine sand)	cum	3.10
3.11	Cement Mortar 1 : 6 (1 cement: 6 fine sand)	cum	2.50
3.13	Cement Mortar 1 : 2 (1 cement: 2 coarse sand)	cum	6.80
3.14	Cement Mortar 1:3 (1 cement: 3 coarse sand)	cum	5.10
3.15	Cement Mortar 1 : 4 (1 cement: 4 coarse sand)	cum	3.80
3.16	Cement Mortar 1 : 5 (1 cement: 5 coarse sand)	cum	3.10
3.17	Cement Mortar 1 : 6 (1 cement: 6 coarse sand)	cum	2.50
3.19	Cement Mortar 1 : 2 (1 cement: 2 stone dust)	cum	6.80
3.20	Cement Mortar 1 : 2 (1 cement: 2 Marble dust)	cum	6.80
3.21	Cement Mortar 1 : 5 (1 cement: 5 Marble dust)	cum	3.10
3.22	White Cement Lime Mortar 1/4:1:1:1 (1/4 white cement : 1 lime putty : 1 stone dust : 1 marble dust)	cum	1.60*
3.23	White Cement Mortar 1:2 (1 white cement : 2 marble dust)	cum	6.80*
3.24	White Cement Mortar 1:3 (1 white cement : 3 marble dust)	cum	5.10*
3.25	White Cement Mortar 1:5 (1 white cement : 5 marble dust)	cum	3.10*
3.26	Cement Lime Mortar 1:1:3 (1cement : 1 lime putty: 3 fine sand)	cum	4.10
3.27	Cement Lime Mortar 1:1:6 (1cement : 1 lime putty: 6 fine sand)	cum	2.50
3.29	Cement Lime Mortar 1:1:6 (1cement : 1 lime putty: 6 coarse sand)	cum	2.50

^{*}denotes the White Cement

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 4.0 CEMENT CONCRETE

CODE NO.	DESCRIPTION 4.0 CEMENT CONCRETE	UNIT	Quantity of cement in quintals per unit quantity of work
	CEMENT CONCRETE (CAST-IN-SITU)		
4.4	P/L cement concrete- all work upto plinth level:		
	4.4.1 DELETED		
	4.4.2 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm		
	nominal size)	cum	4.00
	4.4.3 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm		
	nominal size)	cum	3.20
	4.4.4 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm		
	nominal size)	cum	3.20
	4.4.5 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm		2.20
	nominal size)	cum	2.20
	4.4.6 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm		2.20
	nominal size)	cum	2.20
	4.4.7 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm		1.70
	nominal size)	cum	1.70
	4.4.8 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	aum	1.30
	nominai size)	cum	1.50
4.5	P/L cement concrete in retaining walls, return walls, etc.		
1.0	4.5.1 DELETED		
	4.5.2 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm		
	nominal size)	cum	4.00
	4.5.3 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm		
	nominal size)	cum	3.20
	4.5.4 DELETED		
	4.5.5 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm		
	nominal size)	cum	2.20
	4.5.6 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm		
	nominal size)	cum	2.20
	4.5.7 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm		
	nominal size)	cum	1.30
	4.5.8 1:5:10 (1 cement : 5 coarse sand : 10 graded brick aggregate 40 mm		
	nominal size	cum	1.30
4.7	P/L cement concretein kerbs, steps etc.		
	4.7.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm		
	nominal size)	cum	4.0.
	4.7.2 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm		2.20
	nominal size)	cum	3.20
	CEMENT CONCRETE (PRECAST)		
4.8	P/L precast cement concrete in string or lacing courses, etc.		
7.0	4.8.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm		
	nominal size)	cum	4.05
	4.8.2 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm	Cuiii	1.00
	nominal size)	cum	3.25
	4.8.3 DELETED		
4.9	P/L precast cement concrete in kerbs,, edging etc		
	4.9.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm		
	nominal size)	cum	4.05
	4.9.2 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm		
	nominal size)	cum	3.25

CODE	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
4.10	P/L precast cement concrete solid blocks.		
	4.10.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm		
	nominal size)	cum	4.56
	4.10.2 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20		
	mm nominal size)	cum	3.76
	4.10.2 1:3:6 (1 cement : 3 coarse sand : 6 graded crushed stone aggregate 20		
	mm nominal size)	cum	2.76
	4.10.3 DELETED		
	4.10.4 DELETED		
4.11	P/L precast cement concrete hollow blocks.		
	4.11.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm		
	nominal size)	cum	2.899
	4.11.2 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20		
	mm nominal size)	cum	2.099
	4.11.3 1:3:6 (1 cement : 3 coarse sand : 6 graded crushed stone aggregate 20		4 40.0
	mm nominal size)	cum	1.693
4.16	Pre-casting & Placing in position 125 mm dia Bollards 600 mm high.	each	0.097
	DALLED DD OOL GOVIDGE		
4.15	DAMP PROOF COURSE		0.12
4.17	P/L D.P.C. 40 mm thick with cement concrete 1:2:4.	sqm	0.13
4.18	P/L D.P.C. 50 mm thick with cement concrete 1:2:4.	sqm	0.16
4.24	<u>MISCELLANEOUS</u>		
	Making plinth protection 50mm thick of cement concrete 1:3:6.	sqm	0.11
4.26	P/L ready mixed plain cement concrete. (Fly Ash)		
	4.26.1 All works upto plinth level		
	4.26.1.1 M-15 grade plain cement concrete	cum	2.40
	4.26.1.2 M-10 grade plain cement concrete	cum	2.20
	4.26.2 All works above plinth level and upto floor five level		2.40
	4.26.2.1 M-15 grade plain cement concrete	cum	2.40
4.25	4.26.2.2 M-10 grade plain cement concrete	cum	2.20
4.27	P/L ready mixed plain cement concrete.		
	4.27.1 All works upto plinth level		2.40
	4.27.1.1 M-15 grade plain cement concrete	cum	2.40
	4.27.1.2 M-10 grade plain cement concrete	cum	2.20
	4.27.2 All works above plinth level and upto floor five level	aum	2.40
	4.27.2.1 M-15 grade plain cement concrete	cum	2.40
	4.27.2.2 M-10 grade plain cement concrete	cum	2.20

5.0 REINFORCED CEMENT CONCRETE

CODE	DESCRIPTION 5.0 REINFORCED CEMENT CONCRETE	UNIT	Quantity of cement
NO.			in quintals per unit quantity of work
	<u>CAST-IN-SITU</u>		
5.1	P/L R.C.C. upto plinth level		
	5.1.1 DELETED		
	5.1.2 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.1.3 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20 mm nominal size)		3.20
5.2	R.C.C work in walls etc.	cum	3.20
3.2	5.2.1 DELETED		
	5.2.2 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.2.3 DELETED		
5.3	R.C.C work in beams etc.		
	5.3.1 1:1½:3 (1 cement: 1½ coarse sand: 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.3.2 DELETED		
5.4	R.C.C work in kerbs, steps etc.		
	5.4.1 1:1½:3 (1 cement:1½ coarse sand:3 graded crushed stone aggregate		4.00
	20 mm nominal size) 5.4.2 DELETED	cum	4.00
5.5	R.C.C work in arches, domes, etc.		
3.3	5.5.1 1:1½:3 (1 cement: 1½ coarse sand: 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.5.2 DELETED		
5.6	R.C.C work in chimneys, shafts etc.		
	5.6.1 1:1½:3 (1 cement: 1½ coarse sand: 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.6.2 DELETED		
5.7	R.C.C work in well-steining.		
	5.7.1 1:1½:3 (1 cement:1½ coarse sand:3 graded crushed stone aggregate		4.00
	20 mm nominal size) 5.7.2 DELETED	cum	4.00
5.8	R.C.C (1:1½:3) work in vertical and horizontal fins individually or forming		
3.0	box louvers, facias and eaves boards.	cum	4.00
	PRE-CAST R.C.C.		
5.12	P/F R.C.C. work in string courses, bands, copings, bed plates, anchor blocks,		
	plain window sills, etc.		
	5.12.1 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.05
F 10	5.12.2 DELETED		
5.13	P/F R.C.C. work in small lintels not exceeding 1.5 m clear span. 5.13.1 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.13.2 DELETED	Cuili	F.00
5.14	P/F R.C.C. work in mouldings as in cornices, windows sills etc.		
	5.14.1 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.14.2 DELETED		
5.15	P/F R.C.C. work in lintels, beams and bressumers etc.		
	5.15.1 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.15.2 DELETED		

CODE	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
5.16	P/F R.C.C. work in shelves.		
	5.16.1 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.05
	5.16.2 DELETED		
5.17	P/F R.C.C. work in vertical & horizontal fins individually or forming box		
	louvers.		
	5.17.1 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.17.2 DELETED		
5.18	Fixing precast cement concrete Jali (1:2:4).		
	5.18.1 50 mm thick	sqm	1.64*
	5.18.2 40 mm thick	sqm	1.64*
	5.18.3 25 mm thick	sqm	1.64*
	* Cement for fixing only		
	ENCASING ROLLED STEEL SECTIONS		
5.19	Encasing rolled steel sections, in beams and columns, with cement concrete:		
	5.19.1 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.19.2 DELETED		
5.20	Encasing rolled steel sections, in grillage, with cement concrete:		
	5.20.1 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded crushed stone aggregate		
	20 mm nominal size)	cum	4.00
	5.20.2 DELETED		
	MISCELLANEOUS		
5.23	Smooth finishing of the exposed surface of RCC work with 6mm thick cement		
	mortar (1:3)	100 sqm	3.67
5.24	Rendering smooth the top of suspended floors, landings and staircases (treads		
	and risers) with cement mortar (1:2)	100 sqm	4.17
5.27	Providing and filling in position bitumen mix filler.	Per cm	0.00032
		depth per	
		cm width	
	DEGLOVA MY CONCIDENT	per 100m	
5.22	DESIGN MIX CONCRETE		
5.33	DELETED AM 25		2.20*
5.34	P/L Design mix concrete (M-25)	cum	3.30*
5.35	Extra for providing richer mixes at all floor levels:		
3.35	5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC.	cum	0.10*
	5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. 5.35.2 Providing M-35 grade concrete instead of M-25 grade BMC/RMC.	cum	0.10*
	5.35.3 Providing M-40 grade concrete instead of M-25 grade BMC/RMC.	cum	0.30*
5.37	P/F precast R.C.C. in waffle units		4.16*
	•	cum	
5.38	P/L RMC manufactured in fully automatic batching plant M-25 grade R.C.C.	cum	3.30
5.39	P/L Design mix concrete (M-25) using Flyash	cum	3.30*
5.47	P/F factory made precast R.C.C. M-40 doors and windows		
	5.47.1 Door frame 125 mm x 60 mm	meter	0.049
	5.47.2 Door frame 100 mm x 60 mm	meter	0.044
	5.47.3 Door frame 85 mm x 60 mm	meter	0.041
5.48	Providing and laying R.C.C for construction of piers, abutments, portal frames,		
	etc.	cum	4.80
5.49	Constructing cast insitu RCC diaphram wall by providing	cum	4.14
*Actual	weight for design mix will be worked out taking into consideration the ceme	ant roquiron	nant ac nan nantiaular

^{*}Actual weight for design mix will be worked out taking into consideration the cement requirement as per particular mix design

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 6.0 BRICK WORK

CODE	DESCRIPTION 6.0 BRICK WORK	UNIT	Overtity of coment
NO	DESCRIPTION	UNII	Quantity of cement
NO.			in quintals per unit
			quantity of work
6.1	Brick work in foundation and plinth with non-modular bricks		
	6.1.1 Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 fine sand)	cum	0.625
	6.1.2 Cement lime mortar 1:2:9 (1 cement : 2 lime putty : 9 fine sand)	cum	0.425
	6.1.3 Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 coarse sand)	cum	0.625
	6.1.4 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	0.95
	6.1.5 Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	0.625
6.2	Brick work in foundation & plinth with modular bricks.		
	6.2.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	0.836
	6.2.2 Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	0.55
6.3	Brick work with machine moulded perforated bricks.		
	6.3.1 With non modular bricks.	cum	0.625
	6.3.2 With modular bricks.	cum	0.55
6.10	Half brick masonry in cement mortar (1:3) for closing cavity 5 to 7.5cm wide in		
	cavity wall.	100 m	3.86
6.11	Brick work 7 cm in cement mortar (1:3)	100 sqm	9.23
	` '	1	
6.12&	Brick work in plain and gauged arches in cement mortar (1:3)	cum	1.28
6.13	1 6 6 6 (1.0)		
	HALF BRICK MASONRY		
6.15	Half brick masonry in foundations and plinth :		
0.15	6.15.1 Cement mortar 1:3 (1 cement : 3 coarse sand)	100 sqm	14.28
	6.15.2 Cement mortar 1:4 (1 cement : 4 coarse sand)	100 sqm	10.64
6.19	Providing bricks band in cement mortar (1:4)	100 sqm	0.380
0.17	BRICK TILE WORK	100 111	0.360
6.20	Tile brick masonry in foundation and plinth:		
0.20	· · · · · · · · · · · · · · · · · · ·		1.00
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	cum	
	6.20.3 Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 coarse sand)	cum	1.00
	6.20.4 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	1.52
(2(0	6.20.5 Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	1.00
6.26 &	Tile brick masonry in plain and gauged arches in cement mortar (1:3)	cum	1.33
6.27			
	mu 1 1 1 1 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1	100	
6.28	Tile brick masonry work 5cm thick in cement mortar 1:3	100 sqm	7.65
6.28	HONEY COMB WORK		
	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4	100 sqm 100 sqm	7.65 6.56
6.28	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES		
6.28	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement	100 sqm	6.56
6.28 6.29 6.30	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4	100 sqm	
6.28 6.29	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement	100 sqm	6.56
6.28 6.29 6.30	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4	100 sqm	0.38
6.28 6.29 6.30	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4	100 sqm 100 m 100 m/	0.38
6.28 6.29 6.30	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4	100 sqm 100 m 100 m/	0.38
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work	100 sqm 100 m 100 m/	0.38
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work 6.34.1 From ground level upto plinth level	100 sqm 100 m 100 m/ cm girth	0.38 0.0353
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work 6.34.1 From ground level upto plinth level 6.34.1.1 With Non Modular bricks	100 sqm 100 m 100 m/ cm girth cum	0.38 0.0353
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work 6.34.1 From ground level upto plinth level 6.34.1.1 With Non Modular bricks 6.34.1.2 With Modular bricks	100 sqm 100 m 100 m/ cm girth cum	0.38 0.0353
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work 6.34.1 From ground level upto plinth level 6.34.1.1 With Non Modular bricks 6.34.1.2 With Modular bricks 6.34.2 Above plinth level and upto floor V level	100 sqm 100 m 100 m/ cm girth cum cum	0.38 0.0353 0.625 0.55
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work 6.34.1 From ground level upto plinth level 6.34.1.1 With Non Modular bricks 6.34.1.2 With Modular bricks 6.34.2 Above plinth level and upto floor V level 6.34.2.1 With Non Modular bricks	100 sqm 100 m 100 m/ cm girth cum cum	0.38 0.0353 0.625 0.625 0.625
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work 6.34.1 From ground level upto plinth level 6.34.1.1 With Non Modular bricks 6.34.1.2 With Modular bricks 6.34.2 Above plinth level and upto floor V level 6.34.2.1 With Non Modular bricks 6.34.2.2 With Modular bricks	100 sqm 100 m 100 m/ cm girth cum cum	0.38 0.0353 0.625 0.625 0.625
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work 6.34.1 From ground level upto plinth level 6.34.1.1 With Non Modular bricks 6.34.1.2 With Modular bricks 6.34.2 Above plinth level and upto floor V level 6.34.2.1 With Non Modular bricks 6.34.2.2 With Modular bricks 6.34.2.2 With Modular bricks Brick work with common burnt clay machine moulded bricks in 1:6	100 sqm 100 m 100 m/ cm girth cum cum	0.38 0.0353 0.625 0.625 0.625
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work 6.34.1 From ground level upto plinth level 6.34.1.1 With Non Modular bricks 6.34.1.2 With Modular bricks 6.34.2 Above plinth level and upto floor V level 6.34.2.1 With Non Modular bricks 6.34.2.2 With Modular bricks 6.34.2.2 From ground level upto plinth level moulded bricks in 1:6 6.35.1 From ground level upto plinth level 6.35.1.1 With Modular bricks	100 sqm 100 m 100 m/ cm girth cum cum cum	0.38 0.0353 0.625 0.55 0.625 0.55
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work 6.34.1 From ground level upto plinth level 6.34.1.1 With Non Modular bricks 6.34.2 With Modular bricks 6.34.2 Above plinth level and upto floor V level 6.34.2.1 With Non Modular bricks 6.34.2.2 With Modular bricks 6.35.1.2 From ground level upto plinth level 6.35.1.1 With Modular bricks 6.35.1.2 With Non Modular bricks	100 sqm 100 m 100 m/ cm girth cum cum cum	0.38 0.0353 0.625 0.55 0.625 0.55
6.28 6.29 6.30 6.31	HONEY COMB WORK Honey-comb brick work 10/11.4 cm thick in cement mortar 1:4 MOULDING AND CORNICES Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course in cement mortar 1:4 Moulding and cornices in cement mortar 1:4 Exposed Brick work 6.34.1 From ground level upto plinth level 6.34.1.1 With Non Modular bricks 6.34.1.2 With Modular bricks 6.34.2 Above plinth level and upto floor V level 6.34.2.1 With Non Modular bricks 6.34.2.2 With Modular bricks 6.34.2.2 From ground level upto plinth level moulded bricks in 1:6 6.35.1 From ground level upto plinth level 6.35.1.1 With Modular bricks	100 sqm 100 m 100 m/ cm girth cum cum cum	0.38 0.0353 0.625 0.55 0.625 0.55

CODE	DESCRIPTION 1.0 COEFFICIENT FOR CEMENT CONSUMPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
6.36	Brick work with common burnt clay machine moulded perforated bricks in 1:6		
	6.36.1 From ground level upto plinth level		
	6.36.1.1 With Modular bricks	cum	0.55
	6.36.1.2 With Non Modular bricks	cum	0.625
	6.36.2 Above plinth level and upto floor V level		
	6.36.2.1 With Modular bricks	cum	0.55
	6.36.2.2 With Non Modular bricks	cum	0.625
6.37	Brick work in clay fly ash (non-modular) bricks in superstructure		
	6.37.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	0.95
	6.37.2 Cement mortar 1:6(1cement : 6 coarse sand)	cum	0.625
6.38	Brick work with non modular fly ash lime bricks (FALG Brick) in:		
	6.38.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	0.95
	6.38.2 Cement mortar 1:6(1cement : 6 coarse sand)	cum	0.625
6.39	Brick work with modular Calcium silicate bricks machine moulded in:		
	6.39.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	0.836
	6.39.2 Cement mortar 1:6(1cement : 6 coarse sand)	cum	0.55
6.40	Brick work with modular extruded burnt fly ash clay sewer brick in cement		
	mortar 1:4 (1 cement : 4 coarse sand)	cum	0.836
6.41	Brick work with modular extruded burnt fly ash clay sewer brick in cement		
	mortar 1:3	cum	1.275
6.42	Autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in		
	cement mortar 1:4	cum	0.57
6.45	Half brick masonry with non modular fly ash bricks		
	6.45.1 Cement mortar 1:3 (1 cement : 3 coarse sand)	100 sqm	14.28
	6.45.2 Cement mortar 1:4 (1 cement : 4 coarse sand)	100 sqm	10.64
6.47	Making plinth protection with common burnt clay bricks.	sqm	0.118
6.48	Brick edging 7cm wide in cement mortar 1:4	100 m	0.137
	CEMENT CONCRETE BRICK WORK		
6.49	DELETED		
6.50	DELETED		
6.51	DELETED		
6.52	Providing and laying autoclaved aerated cement blocks masonry	cum	0.57

7.0 STONE WORK

CODE NO.	DESCRIPTION	UNIT	Quantity of cement in quintals per unit quantity of work
7 10	RANDOM RUBBLE MASONRY		0.007
7.1& 7.2	Random Rubble masonry cement mortar (1:6)	cum	0.825
	COURSED RUBBLE MASONRY		
7.6	Coursed Rubble Masonry with hard stone in cement mortar 1:6	cum	0.750
7.7	Coursed rubble masonry with hard stone (first or second sort) in		
	cement mortar 1:6	cum	0.750
	ASHLAR MASONRY		
7.10	Stone work in plain ashlar in cement mortar 1:6 including		
	pointing with cement mortar 1:2	cum	0.54
7.11	Stone work plain ashlar in arches/domes super in cement mortar		
	1:3 including centering, shuttering and pointing with cement		
	mortar 1:2.	cum	1.07
7.16	Stone work, sunk or moulded or sunk and moulded in cement		
	mortar 1:6 including pointing with white cement mortar 1:2	cum	0.54
7.23	Providing and fixing stone dowels 10 x 5 x 2.50 cm in cement		
	mortar 1:2.	each	0.007
7.25	Providing and fixing sloping chajja of stone 40mm thick and upto		
	80cm wide in cement mortar 1:4 including pointing in cement	100	5.50
7.00	mortar 1:2	100 sqm	5.59
7.26	Providing and fixing horizontal chajja of stone 40mm thick and		
	upto 80cm projection in cement mortar 1:4including pointing in white cement mortar 1:2	100 sqm	4.94+ 0.03*
7.27	P/F 30 mm red sand stone sun shade with cement mortar 1:4	100 sqiii	4.94+ 0.03
1.41	including finishing and curing complete.	100 cam	2.19
7.28	Providing and fixing red sand stone brackets 55 x 22.5 x 45 cm	100 sqm 100 nos.	3.02
7.20	Froviding and fixing fed sand stone brackets 33 x 22.3 x 43 cm	100 1108.	3.02
7.29	Stone work, plain in copings, cornices, string courses and plinth		
	coursesin cement mortar 1:6 including pointing with white cement		
	mortar 1:2	cum	0.54
7.30	30 mm thick red sand stone in cement mortars 1:3 including		
	finishing complete.	100 sqm	1.64
7.31	30 mm thick red sand stone shelves in cement concrete 1: 3: 6and	100	0.77
	curing complete.	100 sqm	0.55
7.32	30 mm thick red sand stone shelves (chisel dressed) with cement	100	4.20
	mortar 1:4	100 sqm	4.30
7.40	Stone tile work for wall lining with 12mm thick bed in cement	100	10.44. 1.50:
	mortar 1: 3	100 sqm	10.44+ 1.70*
	DEVRI STONE WORK		0.074
7.44	P/L chisel dressed Devri Stone in cement mortar 1: 6	sqm	0.074
7.46	P/L rough chisel dressed Devri Stone in cement mortar 1: 6	sqm	0.074

^{*}White Cement

8.0 MARBLE & GRANITE WORK

CODE	DESCRIPTION 6.0 MARBLE & GRANTE WORK	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
8.1	Marble work gang 16 mm thick for wall lining in cement mortar 1:3		
	including pointing with white cement mortar 1:2	100 sqm	8.16+ 1.63*
8.2	P/F 16 mm thick gang saw cut, mirror polished, premoulded and pre		
	polished, machine cut for kitchen platforms, vanity counters etc laid over		
	20 mm thick base cement mortar 1:4	100 sqm	9.12
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.	100 m	1.27
8.7	P/F cramps in RCC/CC/brick masonry backing with cement mortar 1:2		
	8.7.1 Gunmetal cramps	kg	0.0635
	8.7.2 Stainless steel cramps.	kg	0.0701
8.9	Stone tile work for wall lining over 12mm thick bed of cement mortar 1:3		
	and cement slurry @ 3.3kg/sqm including pointing in white cement		
	complete.	100 sqm	10.44+ 1.90*
8.11	P/F machine cut, mirror / edge polished	100 sqm	8.16+ 3.30*
8.13	Stone work (machine cut edges) for wall lining etc. (veneer work) in		
	cement mortar (1:3) including pointing in white cement mortar (1:2).	100 sqm	9.18+ 1.56*
8.14	P/F stainless steel cramps in stone wall lining in cement mortar (1:2).	kg	0.07
8.16	P/F copper pins 7.5 cm long 6 mm diameter in stone wall lining in cement		
	mortar (1:2).	each	0.007
8.17	Wall lining butch work with Dholpur stone 40mm thick in cement mortar		
	(1:3) including ruled pointing in cement mortar (1: 2)	100 sqm	15.50+ 1.70*
8.18	Stone work (machine cut edges) for wall lining with grout of 12 mm thick		
	in cement mortar (1:3) and jointed with Cement mortar (1:2).	100 sqm	13.744
8.21	P/F structural steel frame (for dry stone cladding) embedded		
	in brick wall with cement concrete block (1:2:4)	100 kg	1.05
8.22	P/F 50x50x50 mm 2nd class teak wood plugs in cement mortar 1:3.	100 nos.	0.01
8.24	P/F 2nd class teak wood plain lining with wooden plugs	100 sqm	0.055
8.27	Providing and fixing plain panelling with skirting chair rails, and cornice	100 sqm	0.17
8.31	P/F 1st quality ceramic glazed wall tiles over 12 mm thick bed of cement		
	Mortar (1:3) with grey cement slurry @ 3.3 kg/ sqm	sqm	0.1044

^{*}White Cement

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 9.0 WOOD & PVC WORK

CODE NO.	DESCRIPTION	UNIT	Quantity of cement in quintals per unit
			quantity of work
9.46	P/F curtain rods of 1.25 mm thick chromium plated brass plate, with		
	wooden plugs, etc.	100 m	0.01
9.47	P/F nickel plated M.S. pipe curtain rods with nickel plated brackets	100 m	0.01
9.52	Providing 40x5 mm flat iron hold fast 40 cm long with cement		
	concrete block 30x10x15 cm 1:3:6 mix	100 nos.	1.10

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 10.0 STEEL WORK

CODE	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
10.4	P/F 1mm thick M.S. sheet sliding-shutters with frame	100 sqm	0.35
10.5	P/F 1mm thick M.S. sheet door with frame	100 sqm	0.35
10.6	Supplying and fixing rolling shutters	100 sqm	0.35
10.10.1	Fixing standard steel glazed doors, windows etc.	100 kg	0.13
&			
10.11.1			
10.13.1	Providing and fixing T-iron frames for doors, windows and		
	ventilators.	100 kg	0.11
10.15	Providing and fixing M.S tubular frames for doors, windows,		
	ventilators and cupboard with 15x3 mm lugs 10cm long		
	embedded in cement concrete blocks 15x10x10cm of C.C.		
	1:3:6 mix	100 kg	0.28
10.17 &	Providing and fixing clamps and steel rings		
10.18		100 nos.	0.05

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 11.0 FLOORING

~~	11.0 FLOORING	l	T
CODE	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
11.1	Brick on edge		
	11.1.1 1:4 (1cement : 4 coarse sand)	sqm	0.185
	11.1.2 1:6 (1cement : 6 coarse sand)	sqm	0.1285
11.3	Cement concrete flooring 1:2:4	Sqiii	0.1203
11.5	•	cam	0.122
	ee e	sqm	
	11.3.2 40mm thick with 20mm nominal size stone aggregate.	sqm	0.17
	11.3.3 50 mm thick with 20mm nominal size stone aggregate.	sqm	0.202
11.6	52mm thick cement concrete flooring	sqm	0.231
11.7	62mm thick cement concrete flooring	sqm	0.263
11.8	Cement plaster skirting with cement mortar 1:3		
	11.8.1 18 mm thick	sqm	0.14
11.9	Red oxide plaster skirting	1	
	11.9.1 18 mm thick	sqm	0.1302
	11.9.2 21 mm thick	sqm	0.1302
11.10	Cement concrete pavement with C.C. 1:2:4		3.20
11.10		cum	3.20
11.15	TERRAZO FLOORING		
11.12	40mm thick marble chips flooring with under layer 34 mm thick		
	cement concrete 1:2:4		
	11.12.1 Dark shade pigment with ordinary cement.	sqm	0.1695
	11.12.2 Light shade pigment with white cement.	sqm	0.129+0.0405*
	11.12.3 Medium shade pigment with 50% white cement and		
	50% ordinary cement.	sqm	0.1492+0.0202*
	11.12.4 White cement without any pigment.	sqm	0.129+0.0202*
	11.12.5 Light shade pigment with ordinary cement.	sqm	0.1695
	11.12.6 Ordinary cement without any pigment.	sqm	0.1695
11.13	40mm thick marble chips flooring with under layer 31mm thick	~ 1	
11.13	cement concrete 1:2:4		
			0.1783
	1 6	sqm	
	11.13.2 Light shade pigment with white cement.	sqm	0.1205+0.0578*
	11.13.3 Medium shade pigment with 50% white cement and		
	50% ordinary cement.	sqm	0.1494+0.0289*
	11.13.4 White cement without any pigment.	sqm	0.1205+0.0578*
	11.13.5 Light shade pigment with ordinary cement.	sqm	0.1783
	11.13.6 Ordinary cement without any pigment.	sqm	0.1783
11.14	40mm thick marble chips flooring with under layer 28mm thick		
	cement concrete 1:2:4		
	11.14.1 Dark shade pigment with ordinary cement.	sqm	0.1907
	11.14.2 Light shade pigment with white cement.	sqm	0.1097+0.081*
	11.14.3 Medium shade pigment with 50% white cement and	1	
	50% ordinary cement.	sqm	0.1502+0.0405*
	11.14.4 White cement without any pigment.	_	0.1097+0.081*
	, i e	sqm	
	11.14.5 Light shade pigment with ordinary cement.	sqm	0.1097
	11.14.6 Ordinary cement without any pigment.	sqm	0.1097
11.15	Marble chips skirting		
	11.15.1 18 mm thick with under layer 12 mm thick cement		
	plaster 1:3 (1 cement : 3 coarse sand) -		
	11.15.1.1 Dark shade pigment with ordinary cement.	sqm	0.1292
	11.15.1.2 Light shade pigment with white cement.	sqm	0.0887+0.0405*
	11.15.1.3 Medium shade pigment with 50% white cement and		
	50% ordinary cement.	sqm	0.109+0.0203*
	11.15.1.4 White cement without any pigment.	sqm	0.109+0.0405*
	11.15.1.5 Light shade pigment with ordinary cement.	sqm	0.1292
	11.15.1.6 Ordinary cement without any pigment.	_	0.1292
	11.15.1.0 Ordinary cement without any pigment.	sqm	U.1272

11.21 Special surface finishing to treads, risers etc. Sqm 0.022 11.22 Crazy marble stone flooring. 11.221 IS mm thick crazy marble stone white, black or as specified. Sqm 0.1200-0.0405* 11.23 Pressat terrazzo files 22mm thick with in floors, and landing, on 20 mm thick bed of cement mortar 1:4 11.23.1 Light shade using white cement Sqm 0.0895-0.044* 11.23.2 Medium shade using 50% white cement and 50% ordinary cement. Sqm 0.0939 0.0939 11.25 Pressat terrazzo tiles 22mm thick in skirting and risers of steps on 12 mm thick cement plaster 1:3 11.25.1 Light shade using ordinary cement. Sqm 0.0939 0.0939 11.25 Pressat terrazzo tiles 22mm thick on walls, on 12mm thick cement plaster 1:3 11.25.4 Ordinary cement without any pigment. Sqm 0.1394 11.26 Pressat terrazzo tiles 22mm thick on walls, on 12mm thick cement plaster 1:3 11.26.1 Light shade using white cement Sqm 0.1394 0.1394 11.26 Pressat terrazzo tiles 22mm thick on walls, on 12mm thick cement plaster 1:3 11.26.4 Ordinary cement without any pigment. Sqm 0.1394 11.26 Pressat terrazzo tiles 22mm thick on walls, on 12mm thick cement plaster 1:3 11.26.4 Ordinary cement without any pigment. Sqm 0.1394 11.28 Ordinary cement without any pigment. Sqm 0.1064-0.033* Sqm 0.1394 11.28 Ordinary cement without any pigment. Sqm 0.1394 11.28 Ordinary cement without any pigment. Sqm 0.1064-0.033* Sqm 0.1394 11.29 Ordinary cement without any pigment. Sqm 0.1394 11.29 Ordinary cement without any pigment. Sqm 0.1064-0.033* Sqm 0.1064-	CODE	1.0 COEFFICIENT FOR CEMENT CON		
11.21 Special surface finishing to treads, risers etc. Sqm 0.022	CODE	DESCRIPTION	UNIT	Quantity of cement
11.22 Special surface finishing to treads, risers etc. Sqm 0.022	NO.			
11.22 Crazy marble stone flooring.				
11.22.1 18 mm thick crazy marble stone white, black or as specified.	11.21	•	sqm	0.022
11.23 Precast terrazzo tiles 22mm thick with in floors, and landing, on 20 mm thick bed of cement mortar 1:4 11.23.1	11.22	Crazy marble stone flooring.		
11.23 Precast terrazzo tiles 22mm thick with in floors, and landing, on 20 mm thick bed of cement mortar 1:4		11.22.1 18 mm thick crazy marble stone white, black or as		
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mm thick bed of cement mortar 1:4 11.23.1 Light shade using white cement and 50% ordinary cement. 11.23.2 Medium shade using 50% white cement and 50% ordinary cement. 11.23.4 Ordinary cement without any pigment. sqm 0.0939 11.25.1 Light shade using software cement and 50% ordinary cement without any pigment. sqm 0.0734+0.066* 11.25.2 Medium shade using 50% white cement and 50% ordinary cement. sqm 0.1394 11.26.3 Dark shade using ordinary cement. sqm 0.1394 11.26.1 Light shade using white cement 11.26.2 Medium shade using 50% white cement and 50% ordinary cement sqm 0.1394 11.26.1 Light shade using white cement 11.26.2 Medium shade using 50% white cement and 50% ordinary cement sqm 0.1394 11.28 Chequered terrazzo tiles 22mm thick in floors on 20 mm thick bed of cement mortar 1:4 sqm 0.1394 11.28.1 Light shade using white cement sqm 0.1394 11.28.2 Medium shade using 50% white cement and 50% ordinary cement. sqm 0.1394 11.28.1 Light shade using white cement sqm 0.0939 11.29 Chequered terrazzo tiles 22mm thick in floors on 20 mm thick bed of cement mortar 1:4 sqm 0.0939 11.29 Chequered precast cement concrete tiles 22mm thick in footpath on 20 mm thick bed of cement mortar 1:4 sqm 0.0939 11.29 Chequered precast cement concrete tiles 22mm thick in footpath on 20 mm thick bed of cement mortar 1:4 sqm 0.1951 sqm 0.1951 11.30 Chequered terrazzo tiles 30mm thick in stairs on 20 mm thick bed of cement mortar 1:4 sqm 0.1951 sqm 0.0786**	11.23	· · · · · · · · · · · · · · · · · · ·		
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11.23.3			eam	0.0917±0.0220*
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plaster 1:3			sqm	0.1394
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11.26.4 Ordinary cement without any pigment. sqm 0.1394		ordinary cement	sqm	0.1064+0.033*
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on 20 mm thick bed of cement mortar 1:4 11.29.1 Light shade using white cement 11.29.2 Medium shade using 50% white cement and 50% ordinary cement. 11.29.3 Dark shade using ordinary cement. 11.29.4 Ordinary cement without any pigment. 11.30 Chequerred terrazzo tiles 30mm thick in stairs on 20 mm thick bed of cement mortar 1:4 11.30.1 Light shade using white cement 11.30.2 Medium shade using 50% white cement and 50% ordinary cement. 11.30.3 Dark shade using ordinary cement. 11.30.4 Ordinary cement without any pigment. 11.31 Providing and fixing 10 mm thick acid and/or alkali resistant tiles 11.31.1 In flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement: 4 coarse sand) 11.31.2 In adado/skirting on 12mm thick mortar 1:4 (1 acid proof cement: 4 coarse sand) 11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble	11.29	Chequerred precast cement concrete tiles 22mm thick in footpath	-	
11.29.2 Medium shade using 50% white cement and 50% ordinary cement. 11.29.3 Dark shade using ordinary cement. 11.29.4 Ordinary cement without any pigment. 11.30 Chequerred terrazzo tiles 30mm thick in stairs on 20 mm thick bed of cement mortar 1:4 11.30.1 Light shade using white cement 11.30.2 Medium shade using 50% white cement and 50% ordinary cement. 11.30.3 Dark shade using ordinary cement. 11.30.4 Ordinary cement without any pigment. 11.31 Providing and fixing 10 mm thick acid and/or alkali resistant tiles 11.31.1 In flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement: 4 coarse sand) 11.31.2 In dado/skirting on 12mm thick mortar 1:4 (1 acid proof cement: 4 coarse sand) 11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble		on 20 mm thick bed of cement mortar 1:4		
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11.30 Chequerred terrazzo tiles 30mm thick in stairs on 20 mm thick bed of cement mortar 1:4 11.30.1 Light shade using white cement 11.30.2 Medium shade using 50% white cement and 50% ordinary cement. 11.30.3 Dark shade using ordinary cement. 11.30.4 Ordinary cement without any pigment. 11.31 Providing and fixing 10 mm thick acid and/or alkali resistant tiles 11.31.1 In flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) 11.31.2 In dado/skirting on 12mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) 11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble				
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ordinary cement. 11.30.3 Dark shade using ordinary cement. 11.30.4 Ordinary cement without any pigment. Providing and fixing 10 mm thick acid and/or alkali resistant tiles 11.31.1 In flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) 11.31.2 In dado/skirting on 12mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) Tile work in skirting, risers of steps etc. with 8 mm thick marble		e e	54111	0.127110.000
11.30.3 Dark shade using ordinary cement. 11.30.4 Ordinary cement without any pigment. 11.31 Providing and fixing 10 mm thick acid and/or alkali resistant tiles 11.31.1 In flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) 11.31.2 In dado/skirting on 12mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) 11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble		E	sam	0.1621±0.033*
11.30.4 Ordinary cement without any pigment. Providing and fixing 10 mm thick acid and/or alkali resistant tiles 11.31.1 In flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) 11.31.2 In dado/skirting on 12mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) 11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble			_	
Providing and fixing 10 mm thick acid and/or alkali resistant tiles 11.31.1 In flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) 11.31.2 In dado/skirting on 12mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) 11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble		•	_	
11.31.1 In flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) sqm 0.0786** 11.31.2 In dado/skirting on 12mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) sqm 0.0862** 11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble	11 21	, , , ,	sqiii	0.1731
proof cement: 4 coarse sand) 11.31.2 In dado/skirting on 12mm thick mortar 1:4 (1 acid proof cement: 4 coarse sand) sqm 0.0786** 11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble	11.31			
11.31.2 In dado/skirting on 12mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) sqm 0.0862** 11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble		Č		0.0796**
(1 acid proof cement : 4 coarse sand) sqm 0.0862** 11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble		•	sqm	U.U/86**
11.32 Tile work in skirting, risers of steps etc. with 8 mm thick marble				0.0060***
			sqm	0.0862**
tile sqm 0.1044	11.32	•		0.1044
		tile	sqm	0.1044

CODE NO.	DESCRIPTION	UNIT	Quantity of cement in quintals per unit quantity of work
	MARBLE STONE FLOORING		
11.33	Marble stone flooring with 16/18 mm thick marble stone over 20	0	
	mm thick base of cement mortar 1:4	sqm	0.13512
	KOTA STONE FLOORING		
11.36	Kota stone slab flooring over 20mmthick bed of cement mortar 1:4	1	
		sqm	0.1491
11.37	Kota stone slab 20 mm thick in risers of steps, skirting, etc laid or	n	
	12 mm (average) thick cement mortar 1:3	sqm	0.1374
	SAND STONE FLOORING		
11.38	40mm thick fine dressed stone flooring over 20mm (average) thick	k	
	base of cement mortar 1:5with joints finished flush.	sqm	0.0775
11.39	40mm thick fine dressed stone flooring over 20mm (average) thick	k	
	base of cement mortar 1:5 i/c pointing with cement mortar 1:2	sqm	0.0931
11.40	40 mm thick rubbed stone flooring over 20mm (average) thick		
	base of cement mortar 1:5 with joints 3mm thick, side buttered	d	
	with cement mortar 1:2	sqm	0.0931
CERAN	IIC GLAZED TILES		
11.50	P/L Ceramic glazed floor tiles laid on 20 mm thick bed of		
	cement mortar 1: 4	sqm	0.1242
11.51	P/L rectified Glazed Ceramic floor tiles laid on 20 mm thick		
	cement mortar 1:4	sqm	0.1242
	VITRIFIED FLOOR TILES		
11.52	P/L vitrified floor tiles laid on 20mm thick cement mortar 1:4	sqm	0.1242
11.56	P/L Vitrified tiles skirting in cement mortar 1:3	sqm	0.088
11.60	Crazy ceramic tile flooring	sqm	0.1046
11.63	P/L machine cut, mirror polished, Italian Marble stone flooring	sqm	0.085+0.05*
11.64	P/L machine cut, mirror polished Marble stone flooring	sqm	0.085+0.05*
11.66	Providing and laying flamed finish Granite stone flooring	100 sqm	13.50
11.00	110 roing and laying named initial Grante stone flooring	100 sqiii	13.50
11.68	Providing and laying Polished Granite stone flooring	100 sqm	13.50

^{*}White Cement

^{**} Acid alkali resistant cement

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 12.0 ROOFING

CODE	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
12.25	10cm thick mud phaska with flat bricks grouted with cement		
	mortar 1:3	100 sqm	3.11
12.27	Providing and laying brick tiles over mumty roofs grouted with		
	cement mortar 1:3	100 sqm	9.13
12.28	Providing and laying pressed clay tiles on roofs jointed with		
	cement mortar 1:4	100 sqm	9.92
12.31	Providing gola 75x75 mm in cement concrete 1:2:4	meter	0.031
12.32	Making khurras 45x45 cm with average minimum thickness of		
	5 cm cement concrete 1:2:4	each	0.06
12.33	Providing sand stone slab for roofing and laying them in		
	cement mortar 1:4	100 sqm	0.74
12.55	Providing and fixing M.S. holder bat clamps in cement concrete		
	blocks 10x10x10cm of 1:2:4 mix	each	0.005
12.67	P/F Heat Resistant Terrace Tiles on roof with cement mortar		
	1:4 (1 cement : 4 coarse sand) and filling joint with white		
	cement marble mix	sqm	0.1367

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 13.0 FINISHING

NO.	DESCRIPTION	UNIT	Quantity of cement in quintals per unit quantity of work
	Cement plaster (in fine sand)		
13.1	12mm Cement plaster of mix:		
	13.1.1 1 : 4 (1 cement : 4 fine sand)	100 sqm	5.47
	13.1.2 1 : 6 (1 cement : 6 fine sand)	100 sqm	3.60
13.2	15mm Cement plaster on the rough side of single or half brick	100 54111	2.00
10.2	wall of mix:		
	13.2.1 1 : 4 (1 cement : 4 fine sand)	100 sqm	6.54
	13.2.2 1 : 6 (1 cement : 6 fine sand)	100 sqm	4.30
13.3	20mm Cement plaster of mix:	100 sqiii	4.30
13.3	13.3.1 1 : 4 (1 cement : 4 fine sand)	100 sqm	8.51
	13.3.2 1 : 6 (1 cement : 6 fine sand)	100 sqm	5.60
12.4	,	100 sqiii	3.00
13.4	Cement plaster (in coarse sand)		
	12mm Cement plaster of mix:	100	
	13.4.1 1 : 4 (1 cement : 4 coarse sand)	100 sqm	5.47
	13.4.2 1 : 6 (1 cement : 6 coarse sand)	100 sqm	3.60
13.5	15mm Cement plaster		
	13.5.1 1 : 4 (1 cement : 4 coarse sand)	100 sqm	6.54
	13.5.2 1 : 6 (1 cement : 6 coarse sand)	100 sqm	4.30
13.6	20 mm Cement plaster of mix:		
	13.6.1 1 : 4 (1 cement : 4 coarse sand)	100 sqm	8.51
	13.6.2 1 : 6 (1 cement : 6 coarse sand)	100 sqm	5.60
	Cement plaster with a floating coat of neat cement		
	12mm Cement plaster finished with a floating coat of neat		
13.7	cement of mix:		
	13.7.1 1:3 (1 cement: 3 fine sand)	100 sqm	9.54
	13.7.2 1 : 4 (1 cement : 4 fine sand)	100 sqm	7.67
13.8	15 mm cement plaster on the rough side of single or half brick		
10.0	wall finished with a floating coat of neat cement of mix:		
	13.8.1 1 : 3 (1 cement : 3 fine sand)	100 sqm	10.97
	13.8.2 1 : 4 (1 cement : 4 fine sand)	100 sqm	8.74
12.0	20 mm cement plaster finished with a floating coat of neat	100 sqiii	0.74
13.9			
	cement of mix:	100	12.62
	13.9.1 1 : 3 (1 cement : 3 fine sand)	100 sqm	13.62
	13.9.2 1 : 4 (1 cement : 4 fine sand)	100 sqm	10.51
13.10	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a		
	floating coat of neat cement		
	13.10.1 12 mm cement plaster	100 sqm	9.54
	13.10.2 20 mm cement plaster	100 sqm	13.62
13.11	15 mm Cement plaster 1 : 3 finished with a floating coat of neat		
	cement on the rough side of single or half brick wall	100 sqm	10.97
	Cement plaster in two coats		
13.12	18 mm Cement plaster in two coats under layer 12mm thick		
	cement plaster 1:5 finished with a top layer 6mm thick cement		
	plaster 1: 6	100 sqm	6.26
13.13	18 mm Cement plaster in two coats under layer 12mm thick	1	
	cement plaster 1 : 5 finished with a top layer 6mm thick cement		
	plaster 1 : 3 finished rough with sponge	100 sqm	8.13
13.14	12mm Cement plaster 1 : 2 (1 cement : 2 Stone dust)	100 sqm	9.79
	=		
13.15	15mm Cement plaster 1 : 2 (1 cement : 2 Stone dust)	100 sqm	11.70
13.16	20mm Cement plaster 1 : 2 (1 cement : 2 Stone dust)	100 sqm	15.23
	6mm cement plaster		
13.17	6 mm cement plaster to ceiling of mix 1:3	100 sqm	3.67

CODE	1.0 COEFFICIENT FOR CEMENT CO		
CODE NO.	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
12.10	Communication 1 25 distributed to Continuous of most		quantity of work
13.18	6 mm cement plaster 1 : 3finished with a floating coat of neat	100	5 07
12 10	cement	100 sqm	5.87
13.19	Neat cement punning	100 sqm	2.20
13.20	Cement lime plaster		
	12mm cement lime plaster of mix:	100	2.60
	13.20.1 1 : 1 : 6 (1 cement : 1 lime putty : 6 fine sand)	100 sqm	3.60
12.21	13.20.2 1 : 2 : 9 (1 cement : 2 lime putty : 9 fine sand)	100 sqm	2.54
13.21	15mm cement lime plaster on rough side of single or half brick	100	4.20
12.22	wall of mix1:1:6	100 sqm	4.30
13.22	Rough cast plaster		
	Rough cast plaster in two layers, under layer 12 mm cement	100	11.50
12.02	plaster 1:4and top layer 10 mm cement plaster 1:3	100 sqm	11.59
13.23	Pebble dash plaster		
	Pebble dash plaster in two layers, under layer 12mm cement		
	plaster 1:4and top layer 10mm cement plaster with cement	100	11.50
10.05	mortar 1:3	100 sqm	11.59
13.31	18mm thick artificial red stone plaster of 12mm under coat of		
	cement plaster 1 : 4with 6mm thick finishing coat of cement	400	
	mortar 1: 1 : 3	100 sqm	9.47
	Terrazo plaster		
13.32	18mm plastering with terrazzo under layer 12mm thick cement		
	plaster 1:3 and top layer 6mm thick in cement marble powder	400	
	mix 3 : 1	100 sqm	11.64
13.33	Extra if white cement is used instead of ordinary cement in top		
	layer of 18 mm thick plastering with terrazzo finish	100 sqm	7.34+4.30*
	<u>Plain cement mortar bands</u>		
13.36	12 mm thick plain cement mortar bands in cement mortar 1 : 4	100 m 1	0.053
	(flush/sunk/raised/moulded band)	cm wide	
13.37	18mm thick plain cement mortar band in cement mortar 1:4	100 m 1	0.076
		cm wide	
13.38	18 mm thick moulded cement mortar band in two coats under		
	layer 12 mm thick with cement mortar 1: 5 top layer 6mm thick	100 m 1	0.07
	with cement mortar 1:4	cm wide	
13.39	Pointing on brick work		
	Pointing on brick work with cement mortar 1:3		
	13.39.1 Flush/Ruled/Struck or weathered Pointing	100 sqm	1.53
10.10	13.39.2 Raised and cut Pointing	100 sqm	2.04
13.40	Pointing on brick work with cement mortar 1:4	100	1.02
	13.40.1 Flush/Ruled/Struck or weathered Pointing	100 sqm	1.02
	Pointing on tile brick work		
13.41	Pointing on tile brick work with cement mortar 1:3	100	2.25
	13.41.1 Flush/Ruled/Struck or weathered Pointing	100 sqm	2.35
	Pointing on stone work		
13.42	Pointing on stone work with cement mortar 1:3	105	
	13.42.1 Flush/Ruled Pointing	100 sqm	1.17
	13.42.2 Raised and cut pointing	100 sqm	2.35
13.43	Raised & cut pointing on stone work in white cement mortar 1: 3	100 sqm	2.35*
13.44	Pointing on stone slab ceiling with cement mortar 1 : 2		
	13.44.1 Flush/Ruled Pointing	100 sqm	1.02
13.80	Washed stone grit plaster on exterior walls in two layers, under		
	layer 12 mm cement plaster 1:4, top layer 15mm cement plaster		
	1: ½ :2	100 sqm	17.472
	coment consumption for pointing is some for modular & non mo		

Note: - cement consumption for pointing is same for modular & non modular bricks.

^{*}White Cement

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 14.0 REPAIRS TO BUILDING

CODE	DESCRIPTION	UNIT	Quantity of cement in
NO.			quintals per unit quantity of work
14.1	Repairs to plaster of thickness 12mm to 20 mm in patches		
	with cement mortar 1:4	100 sqm	6.95
14.2	Fixing chowkhats in existing opening with holdfasts, in cement concrete 1:3:6		
	14.2.1 Door chowkhats	each	0.12
	14.2.2 Window chowkhats	each	0.06
	14.2.3 Clerestory window chowkhats	each	0.03
14.13	Providing and fixing 16 mm M.S. Fan clamps in existing		
	R.C.C. slab.	each	0.016
14.14	Regrading terracing of mud phaska to proper slope	100 sqm	3.11
14.15	Replacing sand stone slabs in roofing, laid in cement mortar		0.78
	1:4	100 sqm	
14.16	Renewing wooden battens in roofs& making good the holes		0.36
	in walls	cum	
14.17	Renewing wooden beams in roofs& making good the holes		0.13
	in walls	cum	
14.21	Flush pointing with cement mortar 1:3 for flat tile bricks on		
	top of mud phaska	100 sqm	0.76

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 16.0 ROAD WORK

0055	16.0 ROAD WORK			
CODE	DESCRIPTION	UNIT	Quantity of cement	
NO.			in quintals per unit	
			quantity of work	
	FENCING			
16.16	Supplying at site R.C.C. Standards post/ struts/rails/ pales of			
	mix 1:1.5:3	cum	4.00	
16.31	P/F boundary stone including finishing smooth with cement			
	mortar 1:3	each	0.082	
16.32	P/F precast R.C.C kilometer stone including finishing smooth in			
	1:3 cement mortar			
	16.32.1 35x111x25 cm size.	each	0.37	
	16.32.2 50x152.5x25 cm size.	each	0.698	
	16.32.3 35x93.5x18 cm size	each	0.23	
	CONCRETE PAVEMENTS			
16.50	Cement concrete 1:2:4 in pavements	cum	3.20	
16.51	Providing and laying design mix cement concrete of M-30			
10001	grade, inroads/taxi tracks/ runways, using cement content as per			
	design mix.	cum	3.40	
16.57	Making bell mouth opening including providing cement	Cuiii	3.10	
10.57	concrete 1:3:6 and plastering with cement mortar 1:3	10 nos.	6.60	
16.60	Providing and fixing precast lime fly ash concrete blocks in	10 1103.	0.00	
10.00	cement mortar 1:3	eam	0.05	
16.70		sqm	0.03	
16.70			0.11	
17.50	concrete 1:3:6	meter	0.11	
16.73	Providing and fixing factory made RCC pavement slab of M-30			
	grade in footpath over a bed of 20 mm average thick cement	400		
	mortar 1:5	100 sqm	7.75	
16.75	Providing and laying factory made kerb stone of M-25 grade			
	jointed with cement mortar 1:3	cum	0.05	
16.79	Providing and laying C.C. pavement of mix M-25 with ready			
	mixed concrete.	cum	3.30	
16.84	Dry lean cement concrete sub base.	cum	1.50	
16.89	Laying old kerb stones, jointed with cement mortar 1:3.	100 m	0.3723	
16.90	P/L gang saw cut 18 mm and 30 mm thick, mirror polished.	sqm	0.09	
		_		
16.91	P/L matt finished vitrified tile of size			
	16.91.1 100x100x16 mm	sqm	0.12	
	16.91.2 300x300x9.8 mm	sqm	0.12	
16.92	P/L tactile tile.	sqm	0.12	
10.72				
16.95	P/F 10x10x7.50 cm Granite stone block.	sqm	1.85	
10.75	1/1 TOATOA/150 cm Offine Stone Glock.	Squi	1.00	
16.96	Providing and placing in position 100mm thick Precast RCC			
10.70	Covers on drains of footpath.	sam	0.352	
	Covers on trains or rootpatir.	sqm	0.332	

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 17.0 HORTICULTURE AND LANDSCAPING

CODE NO.	DESCRIPTION	UNIT	Quantity of cement in quintals per unit quantity of work
17.29	Providing Circular Cement Concrete pots with cement		
	concrete of nominal mix. 1:2:4.	100 nos.	4.00
17.30	Providing square Cement Concrete pots with cement		
	concrete of nominal mix. 1:2:4.	100 nos.	2.30

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 18.0 SANITARY INSTALLATION

	18.0 SANITARY INSTALLATI		T
CODE NO.	DESCRIPTION	UNIT	Quantity of cement in quintals per unit quantity of work
18.1/	Fixing Indian type W.C. pan	each	0.05
18.2/			
18.3			
18.4	Fixing white vitreous china urinal basin:		
	18.4.1 One urinal basin with 5 liter white P.V.C automatic		
	flushing cistern.	each	0.025
	18.4.2 Range of two urinal basins with 5 liter white P.V.C	Cucii	0.023
	automatic flushing cistern.	each	0.04
	18.4.3 Range of three urinal basins with 10 liter white P.V.C	Cacii	0.04
		1.	0.067
	automatic flushing cistern.	each	0.067
	18.4.4 Range of four urinal basins with 10 liter white P.V.C		
	automatic flushing cistern	each	0.095
18.5	Fixing white vitreous china flat back half stall urinal:		
	18.5.1 Single half stall urinal with 5 liter P.V.C automatic		
	flushing cistern.	each	0.051
	18.5.2 Range of two half stall urinals with 5 liter P.V.C		
	automatic flushing cistern.	each	0.102
	18.5.3 Range of three half stall urinals with 10 liter P.V.C		
	automatic flushing cistern.	each	0.153
	18.5.4 Range of four half stall urinals with 10 liter P.V.C		
	automatic flushing cistern.	each	0.203
18.6	Fixing one piece construction white vitreous china squatting	Cacii	0.203
10.0			
	plate:	1.	0.051
	18.6.1 Single squatting plate with 5 liter P.V.C. automatic	each	0.051
	flushing cistern.		0.104
	18.6.2 Range of two squatting plates with 5 liter P.V.C.	each	0.102
	automatic flushing cistern.		
	18.6.3 Range of three squatting plates with 10 liter P.V.C.	each	0.153
	automatic flushing cistern.		
	18.6.4 Range of four squatting plates with 10 liter P.V.C.	each	0.203
	automatic flushing cistern.		
18.7	Fixing wash basin with C.I. brackets.	each	0.025
18.9	Fixing white vitreous china pedestal for wash basin.	each	0.016*
18.10/	Fixing kitchen sink with C.I. brackets.	each	0.025
18.11/	Same man one ordered		
18.12			
18.13	Fixing draining board with C.I. brackets	each	0.014
10.13	Traing draining obard with C.I. Drackets	eacii	0.014
10 1 4	Fining white standard ships and a standard of	1.	0.025
18.14	Fixing white vitreous china water closet squatting pan	each	0.025
			0.005
18.18	Fixing a pair of white vitreous china foot rests.	each	0.025
18.23	Fixing white vitreous china flat urinal.	each	0.01
18.24	Fixing white vitreous china squatting plate urinal.	each	0.02
18.25	Fixing white vitreous china wash basin.	each	0.015
18.26/	Fixing kitchen sink.	each	0.015
18.27	1 IAMS RICHCH SHIK.	Cacii	0.013
	Duoviding and fiving M.C. halder hat slavers	20 -1-	0.005
18.37	Providing and fixing M.S. holder-bat clamps.	each	0.005

CODE NO.	DESCRIPTION	UNIT	Quantity of cement in quintals per unit
			quantity of work
18.59	Providing and fixing M.S. stays and clamps.	each	0.005
18.60	Providing and fixing trap of self-cleansing design.	each	0.025
18.61	Cutting chases in brick masonry walls for sand cast iron /		
	centrifugally cast (spun) iron pipes and making good the same		
	with cement concrete 1:3:6.		
	18.61.1 100 mm dia.	100 m	5.40
	18.61.2 75 mm dia.	100 m	3.70
	18.61.3 50 mm dia.	100 m	1.87

^{*}White Cement

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 19.0 WATER SUPPLY

CODE	DESCRIPTION	UNIT	Quantity of cement in
NO.			quintals per unit
			quantity of work
	Providing and fixing G.I./PE-AL-PE/PP-R pipes		
19.1.1/	Internal work-exposed on wall		
19.2.1/	15 mm dia nominal bore	100 m	0.05
19.3.1/	20 mm dia nominal bore	100 m	0.06
19.4.1	25 mm dia nominal bore	100 m	0.07
	32 mm dia nominal bore	100 m	0.075
	40 mm dia nominal bore	100 m	0.08
	50 mm dia nominal bore	100 m	0.08
19.1.2/	Providing and fixing concealed pipes	100 m	0.88
19.2.2/			
19.3.2/			
19.4.2			
19.26	Constructing masonry Chamber 30x30x50 cm, for stop	each	0.26
	cock.		
19.27	Constructing masonry Chamber		
	19.27.1.1 60x60x75 cm For sluice valve	each	1.44
	19.27.1.2 90x90x100 cm For sluice valve	each	2.48
	19.27.1.3 120x120x100 cm For sluice valve	each	3.50
	19.27.2.1 60x60x75 cm for fire hydrants	each	1.30
	19.27.3.1 60x45x50 cm for water meter	each	1.34
19.67	Cutting holes up to 30x30 cm in walls including making		
	good the same.	100 nos.	2.92
19.68	Cutting holes up to 15x15 cm in R.C.C. floors and roofs		
	and repairing the hole after insertion of drain pipe etc. with		
	cement concrete 1:2:4.	100 nos.	0.70
19.69	Making chases up to 7.5x7.5 cm in walls including		
	finishing.	100 m	0.88
19.70	Making hole up to 20x20 cm and embedding pipes up to		
	150 mm diameter in masonry and filling with cement		
	concrete 1:3:6.	100 m	4.90

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 20.0 DRAINAGE

CODE	DESCRIPTION 20.0 DRAINAGE	TINITT	Overtites of
CODE	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
20.1	Jointing glazed stoneware pipes with stiff mixture of cement		
	mortar in the proportion of 1:1		
	20.1.1 100 mm diameter	100 m	0.63
	20.1.2 150 mm diameter	100 m	1.20
	20.1.3 200 mm diameter	100 m	1.77
	20.1.4 230 mm diameter	100 m	2.17
	20.1.5 250 mm diameter	100 m	3.13
	20.1.6 300 mm diameter	100 m	4.10
20.2	Laying cement concrete 1:5:10		
	20.2.1 All around S.W. pipe		
	20.2.1.1 100 mm diameter S.W. pipe	100 m	19.24
	20.2.1.2 150 mm diameter S.W. pipe	100 m	23.53
	20.2.1.3 200 mm diameter S.W. pipe	100 m	27.43
	20.2.1.4 230 mm diameter S.W. pipe	100 m	30.03
	20.2.1.5 250 mm diameter S.W. pipe	100 m	31.72
	20.2.2 Upto haunches of S.W. pipe	100 111	31.72
	20.2.2.1 100 mm diameter S.W. pipe	100 m	9.14
	20.2.2.1 100 mm diameter S.W. pipe	100 m	14.82
	20.2.2.2 130 mm diameter S.W. pipe 20.2.2.3 200 mm diameter S.W. pipe	100 m	17.42
	20.2.2.4 230 mm diameter S.W. pipe	100 m	19.11
		100 m	
	20.2.2.5 250 mm diameter S.W. pipe		20.28
	20.2.2.6 300 mm diameter S.W. pipe	100 m	23.40
	20.2.2.7 350 mm diameter S.W. pipe	100 m	26.65
	20.2.2.8 400 mm diameter S.W. pipe	100 m	30.03
	20.2.2.9 450 mm diameter S.W. pipe	100 m	33.15
20.3	Providing and fixing square- mouth S.W. gully trap		
	20.3.1 With non-modular bricks		
	20.3.1.1 100 x 100 mm size P type	each	0.27
	20.3.1.2150 x 100 mm size P type	each	0.26
	20.3.1.3180 x 150 mm size P type	each	0.25
20.5	P/L non-pressure NP2 class (light duty) R.C.C. pipes with		
	collars jointed with stiff mixture of cement mortar in the		
	proportion of 1:2		
	20.5.1 100 mm dia. R.C.C. pipe	100 m	0.50
	20.5.2 150 mm dia. R.C.C. pipe	100 m	0.60
	20.5.3 250 mm dia. R.C.C. pipe	100 m	0.90
	20.5.4 300 mm dia. R.C.C. pipe	100 m	1.10
	20.5.5 450 mm dia. R.C.C. pipe	100 m	2.40
	20.5.6 500 mm dia. R.C.C. pipe	100 m	2.60
	20.5.7 600 mm dia. R.C.C. pipe	100 m	3.20
	20.5.8 700 mm dia. R.C.C. pipe	100 m	3.70
	20.5.9 800 mm dia. R.C.C. pipe	100 m	4.20
	20.5.10 900 mm dia. R.C.C. pipe	100 m	4.90
	20.5.11 1000 mm dia. R.C.C. pipe	100 m	5.50
	20.5.12 1100 mm dia. R.C.C. pipe	100 m	6.10
	20.5.12 1700 mm dia. R.C.C. pipe	100 m	6.80
20.6	P/L non-pressure R.C.C. pipes	100111	
20.0	20.6.1 Non-pressure NP-3 class (Medium duty) R.C.C.		
	,		
	pipes 20.6.1.1. 450 mm dia P.C.C. pipe	100 m	1.20
	20.6.1.1 450 mm dia. R.C.C. pipe	100 m	1.20
	20.6.1.2 600 mm dia. R.C.C. pipe	100 m	1.60
	20.6.1.3 900 mm dia. R.C.C. pipe	100 m	2.50
	20.6.1.4 1000 mm dia. R.C.C. pipe	100 m	2.80

CODE	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
	20.6.1.5 1200 mm dia. R.C.C. pipe	100 m	3.40
	20.6.1.6 1800 mm dia. R.C.C. pipe	100 m	4.90
	20.6.2 Non-pressure NP-4 class (Heavy duty) R.C.C.		
	pipes	100	1.00
	20.6.2.1 450 mm dia. R.C.C. pipe	100 m	1.20
	20.6.2.2 600 mm dia. R.C.C. pipe	100 m	1.60
	20.6.2.3 900 mm dia. R.C.C. pipe	100 m	2.50
	20.6.2.4 1000 mm dia. R.C.C. pipe	100 m	2.80
	20.6.2.5 1200 mm dia. R.C.C. pipe	100 m	3.40
20.7	20.6.2.6 1800 mm dia. R.C.C. pipe	100 m	4.90
20.7	Constructing brick masonry manhole in cement mortar 1:4		2.02
	20.7.1 Inside size 90x80 cm and 45 cm deep	each	2.92
	20.7.2 Inside size 90x80 cm and 60 cm deep 20.7.3 Inside size 120x90 cm and 90 cm deep	each	2.49
	-	each	4.73
20.0	20.7.4 Inside size 120x90 cm and 90 cm deep	each	4.73
20.8	Extra for depth for manholes 20.8.1 With non-modular bricks		
	20.8.1.1 Size 90x80cm	motor	1.26
	20.8.1.1 Size 90x80cm	meter	1.52
20.9	Constructing brick masonry circular type manhole in cement	meter	1.32
20.9	mortar 1:4		
	20.9.1 Manhole of size 0.91m internal dia at bottom and		
	0.91 m deep	each	2.75
	20.9.2 Manhole of size 1.22 m internal dia at bottom and	Cacii	2.73
	1.68 m deep	each	5.39
	20.9.3 Manhole of size 1.52 m internal dia at bottom and	Cacii	3.37
	2.30 m deep	each	10.86
20.10	Extra depth for circular type manholes	Cucii	10.00
20.10	20.10.1 Manhole 0.91m internal dia (at bottom) beyond		
	0.91 m to 1.67 m	meter	1.40
	20.10.2 Manhole 1.22 m internal dia (at bottom) beyond	motor	1.10
	1.68 m to 2.29 m	meter	1.43
	20.10.3 Manhole 1.52 m internal dia (at bottom) beyond		
	2.30 m	meter	3.11
20.11	Providing M.S. foot rests including fixing in manholes with		
	20x20x10cm cement concrete blocks 1:3:6	100 nos.	0.88
20.12	Providing orange colour safety foot rest.	100 nos.	1.98
20.13	Replacement of M.S. foot rests in manholes with 20x20x10		
	cm cement concrete blocks 1:3:6 mix	100 nos.	0.88
20.15	Providing and fixing in position precast R.C.C. manhole		
	cover and frame		
	20.15.1 LD - 2.5		
	20.15.1.1 Rectangular shape 600x450 internal dimensions	each	0.128
	20.15.1.2 Square shape 350mm internal dimensions	each	0.096
	20.15.1.3 Circular shape 450mm internal diameter	each	0.096
	20.15.2 MD - 10		
	20.15.2.1 Square shape 450mm internal dimensions	each	0.128
	20.15.2.2 Circular shape 500mm internal diameter	each	0.096
	20.15.3 HD - 20		
	20.15.2.1 (2) 1 1 560	1.	0.006
	20.15.3.1 Circular shape 560mm internal diameter	each	0.096
	20.15.3.1 Circular shape 560mm internal diameter 20.15.4 EHD - 35	eacn	0.096

CODE	1.0 COEFFICIENT FOR CEMENT C DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
20.17	Making connection of drain or sewer line with existing		
	manhole and making good the walls, floors with cement		
	concrete 1:2:4 mix		
	20.17.1 For pipes 100 to 250 mm diameter	each	0.056
	20.17.2 For pipes 250 to 300 mm diameter	each	0.095
	20.17.3 For pipes 350 to 450 mm diameter	each	0.153
20.18	Providing sand cast iron drop connection externally for 60 cm		
	drop from branch sewer line to main sewer manhole.		
	20.18.1 100 mm dia. sand cast iron drop connection	each	0.34
	20.18.2 150 mm dia. sand cast iron drop connection	each	0.46
20.19	Extra for depths beyond 60 cm of sand cast iron drop		
	connection complete:		
	20.19.1 For 100 mm dia. sand cast iron drop connection	meter	0.21
	20.19.2 For 150 mm dia. sand cast iron drop connection	meter	0.26
20.23	Constructing brick masonry road gully chamber in cement		
	mortar 1:4		
	20.23.1 Chamber size 50x45x60 cm	each	0.93
	20.23.2 Chamber size 45x45x77.50 cm	each	0.82
	20.23.3 Chamber size 110x50x77.50cm	each	1.66
20.24	Constructing brick masonry chamber for underground C.I.		
	inspection chamber and bend in cement mortar 1:4		
	20.24.1 Inside dimensions 455x610 mm and 45 cm deep for		
	single pipe line-	each	0.90
	20.24.2 Inside dimensions 500x700 mm and 45 cm deep for		
	single pipe line with one or two inlets	each	1.02
	20.24.3 Inside dimensions 600x850 mm and 45 cm deep for		
	singlepipe line with three or more inlets.	each	1.27
20.25	Extra for depth beyond 45 cm of brick masonry chamber		
	20.25.1 For 455x610 mm size	meter	0.87
	20.25.2 For 500x700 mm size	meter	0.95
	20.25.3 For 600x850 mm size	meter	1.12
20.26	Making soak pit 2.5 m diameter 3.0 meter deep.	each	0.072
20.28	Providing and fixing S.W. intercepting trap in manholes with		
	stiff mixture of cement mortar 1:1.		
	20.28.1 100 mm dia	each	0.013
	20.28.2 150 mm dia	each	0.019

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 21.0 PILE WORK

CODE	DESCRIPTION	UNIT	Quantity	f cement in	anintals
NO.	DESCRIPTION		Quantity of cement in quintals per unit quantity of work		
110.			M-25	M-30	M-35
21.1	Providing, driving and installing driven cast-in-situ		IVI-25	W1-30	W1-35
21.1	reinforced cement concrete piles				
	21.1.1 400 mm dia piles	meter	0.414	0.427	0.44
	*		0.414	0.427	0.44
	<u>.</u>	meter			
	21.1.3 500 mm dia piles	meter	0.648	0.666	0.686
	21.1.4 550 mm dia piles	meter	0.784	0.808	0.831
	21.1.5 750 mm dia piles	meter	1.456	1.501	1.544
	21.1.6 1000 mm dia piles	meter	2.590	2.669	2.74
	21.1.7 1200 mm dia piles	meter	3.729	3.842	3.955
	21.1.8 1500 mm dia piles	meter	5.83	6.007	6.183
21.2	Boring, providing and installing bored cast-in-situ				
	reinforced cement concrete pile.				
	21.2.1 By tripod and mechanical Winch Machine.				
	21.2.1.1 450 mm dia piles	meter	0.525	0.541	0.557
	21.2.1.2 500 mm dia piles	meter	0.648	0.666	0.686
	21.2.1.3 600 mm dia piles	meter	0.932	0.960	0.988
	21.2.1.4 750 mm dia piles	meter	1.456	1.501	1.544
	21.2.2 By Crawler mounted, telescopic boom hydraulic				
	pilling Rig.				
	21.2.2.1 600 mm dia piles	meter	0.932	0.960	0.988
	21.2.2.2 750 mm dia piles	meter	1.456	1.501	1.544
	21.2.2.3 1000 mm dia piles	meter	2.590	2.669	2.74
	21.2.2.4 1200 mm dia piles	meter	3.729	3.842	3.955
	21.2.2.5 1500 mm dia piles	meter	5.830	6.007	6.183
21.3	Boring, providing and installing cast-in-situ single under				
	reamed piles.				
	21.3.1 300 mm dia piles	meter	0.257	0.265	0.272
	21.3.2 400 mm dia piles	meter	0.488	0.503	0.517
	21.3.3 450 mm dia piles	meter	0.629	0.648	0.667
	21.3.4 550 mm dia piles	meter	0.792	0.816	0.84
21.4	Extra for providing additional bulb in under reamed piles.				
	21.4.1 300 mm dia piles	each	0.109	0.112	0.115
	21.4.2 400 mm dia piles	each	0.208	0.214	0.220
	21.4.3 450 mm dia piles	each	0.267	0.275	0.284
	21.4.4 550 mm dia piles	each	0.336	0.347	0.357
21.5	Providing, driving and installing driven pre-cast reinforced				
	cement concrete piles.				
	21.5.1 400 mm dia piles	meter	0.414	0.427	0.44
	21.5.2 450 mm dia piles	meter	0.525	0.541	0.557
	21.5.3 500 mm dia piles	meter	0.648	0.666	0.686
	21.5.4 550 mm dia piles	meter	0.784	0.808	0.831
	21.5.5 750 mm dia piles	meter	1.795	1.849	1.904
	21.5.6 1000 mm dia piles	meter	2.590	2.669	2.74

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 23.0 WATER PROOFING

	23.0 WATER PROOFING		T
CODE	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
23.1	P/L integral cement based treatment for water proofing on		
	horizontal surface.		
	23.1.1 Using rough kota stone.	sqm	0.342
23.2	P/L integral cement based treatment for water proofing on the		
	vertical surface		
	23.2.1 Using rough kota stone.	sqm	0.443
23.3	P/L water proofing treatment to vertical and horizontal surfaces		
	of depressed portions of W.C., kitchen and the like consisting of:		
	(i) Ist course of applying cement slurry @ 4.4 kg/sqm		
	(ii) IInd course of 20 mm cement plaster 1:3		
	(iii) IIIrd course of applying blown or residual bitumen applied		
	hot at 1.7 kg. Per sqm of area.		
	(iv) IVth course of 400 micron thick PVC sheet.	sqm	0.158
23.5	P/Lwater proofing treatment in sunken portion of WCs, bathroom		
	etc.	sqm	0.0123
23.6	P/Lwater proofing treatment on roofs.	sqm	0.0195
23.7	P/L integral cement based water proofing treatment on roofs,		
	balconies, terraces etc.		
	23.7.1 With average thickness of 120mm and minimum thickness		
	at khurra as 65 mm	sqm	0.387
23.12	Grading roof for water proofing treatment with		
	23.12.1 Cement concrete 1:2:4	cum	3.20
	23.12.2 Cement mortar 1:3.	cum	5.10
	23.12.3 Cement mortar 1:4.	cum	3.80

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 24.0 RIVER AND CANAL PROTECTION WORK

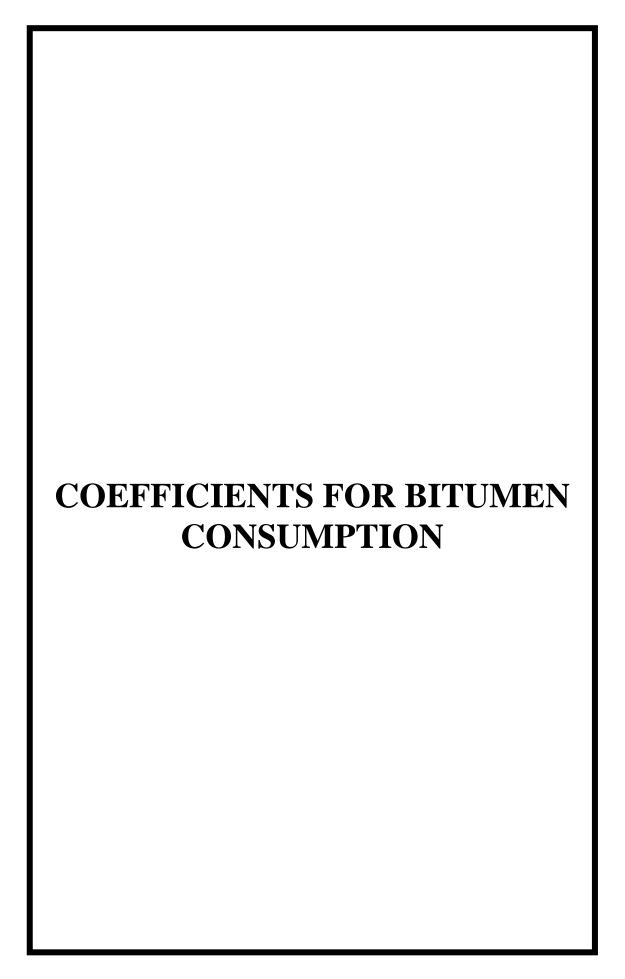
CODE NO.	DESCRIPTION	UNIT	Quantity of cement in quintals per unit quantity of work
24.8&	Grouting of stone pitching.		
24.9		cum	2.20

1.0 COEFFICIENT FOR CEMENT CONSUMPTION 31.0 NEW TECHNOLOGIES & MATERIALS

ace.	31.0 NEW TECHNOLOGIES &		
CODE	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
31.29.1	SBR Polymer (@10% of cement weight) modified		
	cementitious bond coat @ 2.2 kg cement per sqm	100 sqm	2.20
31.30	Providing, mixing and applying SBR polymer (of approved		
	make) modified Cement mortar in proportion of 1:4 (1		
	cement: 4 graded coarse sand with polymer minimum 2% by		
	wt. of cement used)		
	31.30.1 12 mm average thickness.	100 sqm	5.47
	31.30.2 25 mm average thickness in 2 layers.	100 sqm	11.40
	31.30.3 50 mm average thickness in 3 layers.	100 sqm	22.80
31.31	Providing, mixing and applying SBR polymer (of approved	100 3411	22.00
31.31	make @minimum 2% by wt. of cement used) modified		
	•		
	plain/reinforced cement concrete for structural members.		
	31.31.1 50mm thick in Grade M 25 with cement content	100	16.50
	not less than 330 kg per cum	100 sqm	16.50
	31.31.2 75mm thick in Grade M 25 with cement content	100	24.75
	not less than 330 kg per cum	100 sqm	24.75
31.32	Providing and laying SBR Polymer modified (of approved		
	make @minimum 2% by wt. of cement used)		
	plain/reinforced concrete jacket for the structural members		
	e.g. columns, pillars, piers, beams etc with concrete.		
	31.32.1 50mm thick in Grade M 25 with cement content		
	not less than 330 kg per cum	100 sqm	16.50
	31.32.2 75mm thick in Grade M 25 with cement content		
	not less than 330 kg per cum	100 sqm	24.75
	31.32.3 100mm thick in Grade M 25 with cement content	_	
	not less than 330 kg per cum	100 sqm	33.00
31.33	Providing and injecting approved grout in proportion	1	
	recommended by the manufacturer into cracks/honey-comb		
	area of concrete/ masonry by suitable gun/pump.		
	31.33.1 Stirrer mixed Acrylic Polymer of approved make		
	@ 2% of weight of cement used) modified Cement slurry		
	made with non shrink compound in concrete/RCC work	100 kg	1.00
	31.33.2 Stirrer mixed SBR Polymer (of approved make)	100 kg	1.00
	modified Cement slurry made with Shrinkage Compensating		
	Cement in concrete/RCC work.	100 1	1.00
21.24		100 kg	1.00
31.36	Shotcreting R.C.C. columns, beams and slabs etc. in layers		
	wit approved design mix concrete		
	31.36.1 25mm thick in Grade M 25 with cement content	100	40.04
	not less than 330 kg per cum	100 sqm	10.31
	31.36.2 50mm thick in Grade M 25 with cement content		
	not less than 330 kg per cum	100 sqm	20.63
	31.36.3 75mm thick in Grade M 25 with cement content		
	not less than 330 kg per cum	100 sqm	30.94
31.44	Providing and fixing in position, 200 mm thick factory made		
	Expanded Polystyrene Core (EPS Core) wall panels.	100 sqm	51.00
31.45	Providing and fixing in position, 230mm thick factory made		
	Expanded Polystyrene Core (EPS Core) roof/floor panels		
	made of 3 mm dia G.I. wire mesh with 50 mm pitch in both		
	the directions and on both.	100 sqm	58.60
31.51	Filling of empty cavities (as shown in the structural design	· · · · · · · · · · · · · · · · · · ·	
01.01	drawing) with quarry dust mixed with 5% cement (by		
	volume).	cum	0.72
	volume).	cum	0.72

CODE NO.	DESCRIPTION	UNIT	Quantity of cement in quintals per unit quantity of work
31.56	Filling of joints between RCC plinth beam / floor slab and wall panel of external walls, toilet / bath room / wet areas walls.	100 m	0.03125
31.57	Water proofing treatment of Vertical joints (of external side and internal side) between door frame, window & ventilator frames.	100 m	0.03125
31.59	In-filling / sealing of joint between RCC lintel cum sunshade and wall	100 m	0.03125
31.64	Providing and fixing in position, 130 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels.	sqm	0.357
31.66	Providing and laying factory made Precast concrete solid blocks in foundation and plinth in:	cum	0.2825
31.67	Providing and laying factory made Precast concrete solid above plinth level up to floor V level	cum	0.2825
31.68	Providing and laying half block masonry with factory made Precast concrete solid blocks in foundation and plinth	100 sqm	2.6904
31.69	Providing and laying half block masonry with factory made Precast concrete solid blocks above plinth level up to floor V level	100 sqm	2.6904
31.71	Fabrication & Manufacturing of Prestressed Hollow Core slab 31.71.1 Concrete Grade-M-40 (cement content 400 kg) 31.71.1.1 100 mm thick hollow core slab 31.71.1.2 120 mm thick hollow core slab 31.71.1.4 200 mm thick hollow core slab 31.71.1.5 250 mm thick hollow core slab 31.71.1.6 300 mm thick hollow core slab 31.71.1.7 350 mm thick hollow core slab 31.71.1.1 400 mm thick hollow core slab 31.71.1.1 500 mm thick hollow core slab 31.71.1.1 500 mm thick hollow core slab 31.71.1.1 500 mm thick hollow core slab 31.71.1 100 mm thick hollow core slab 31.71.2 100 mm thick hollow core slab 31.71.2 120 mm thick hollow core slab 31.71.2 150 mm thick hollow core slab 31.71.1 100 mm thick hollow core slab	metre	0.36 0.432 0.54 0.672 0.84 1.008 1.176 1.344 0.0225 0.027 0.03375 0.042 0.0525 0.063 0.0735 0.084 0.036 0.0432 0.054 0.0672 0.084 0.1176

CODE	DESCRIPTION	UNIT	Quantity of cement
NO.			in quintals per unit
			quantity of work
31.72	Fabrication and manufacturing of solid precast concrete		
	element for walls, beams, slabs, stairs, column		
	31.72.1 Concrete grade M-35 (Cement content 370 kgs)	cum	3.70
	31.72.2 Extra for using M-40 (Cement content 400 kg)	cum	0.30
	instead of M-35	cum	0.55
	31.72.3 Extra for using M-50 (Cement content 425 kg)	cum	0.70
	instead of M-35		
	31.72.4 Extra for using M-60 (Cement content 440 kg)		
	instead of M-35		



14.0 REPAIRS TO BUILDINGS

CODE	DESCRIPTION	UNIT	Quantity of Bitumen in
NO.			quintals per unit
			quantity of work
14.85	P/L in situ seven course water proofing treatment with APP		
	14.85.1 Modified Polymeric membrane 1.5 mm thick of		
	2.25 Kg/ sqm	sqm	0.036
	14.85.2 Modified Polymeric membrane 2.0 mm thick of		
	3.0 Kg/ sqm	sqm	0.036
14.86	Providing and laying in situ five course water proofing		
	treatment with APP (2.0mm thick @ 3.00 Kg/sqm)	sqm	0.024
14.87	Providing and laying APP		
	14.87.1 With glass fibre matt		
	14.87.1.1 2mm (for corrugated roof sheets)	sqm	0.0035
	14.87.1.2 3mm (for corrugated roof sheets)	sqm	0.0035
	14.87.2 3 mm thick water proofing membrane. Tear		
	strength in longitudinal and transverse direction as		
	300/250N.	sqm	0.0035

16.0 ROAD WORK

	16.0 KOAD WORK	1	1
CODE	DESCRIPTION	UNIT	Quantity of Bitumen
NO.			in quintals per unit
			quantity of work
	SURFACE DRESSING		
16.33	Surface dressing on new surface with paving bitumen of		
	grade VG – 10.	sqm	0.0225
16.34	Surface dressing on new surface in two coats with bitumen of	-	
	grade VG – 10.	sqm	0.029
16.35	Surface dressing on old surface with hot bitumen of grade	-	
	VG-10.	sqm	0.0195
16.36	Surface dressing one coat on new surface.	1	
	16.36.1 Using bitumen emulsion.	sqm	0.0195
16.37	Surface dressing one coat on old surface.	1	
2000.	16.37.1 Using bitumen emulsion.	sqm	0.0122
	PRE MIX CARPET	34	0.0122
16.38	Providing and applying tack coat with bitumen of grade –		
10.00	VG-10.		
	16.38.1 On W.B.M. @ 0.75 Kg/sqm.	sqm	0.0075
	16.44.2 On bitumen surface @ 0.50 Kg/sqm.	sqm	0.0073
16.39	Providing and applying tack coat using bitumen emulsion.	Sqiii	0.0030
10.37	13.39.1 With rapid setting bitumen emulsion		
	16.39.1.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm.	sqm	0.0040
	16.39.1.2 On bituminous surface @ 0.25 Kg/sqm.	_	0.0040
	13.39.2 With medium setting bitumen emulsion	sqm	0.0023
	16.39.2.1 On W.B.M. /W.M.M. @ 0.4 Kg/sqm.	eam	0.0040
	16.39.2.2 On bituminous surface @ 0.25 Kg/sqm.	sqm	0.0040
16.40	2 cm premix carpet surfacing with paving Asphalt VG-	sqm	0.0023
10.40	2 cm premix carpet surfacing with paving Aspnait VG- 10/VG-30/ Modified Bitumen CRMB 55	eam	0.0144
16 41		sqm	0.0144
16.41	2.5 cm premix carpet surfacing with paving Asphalt VG-10 /VG-30 / Modified Bitumen CRMB 55	aam	0.019
16.40		sqm	0.018
16.42	2 cm premix carpet surfacing with bitumen emulsion.	sqm	0.0255*
17.40	2.5 am mannin agant seefesting with his		0.0212*
16.43	2.5 cm premix carpet surfacing with bitumen emulsion.	sqm	0.0313*
16.44	D. C.		
16.44	Providing and laying Bitumen Penetration Macadam.		
	16.44.1 For 50 mm compacted thickness with paving asphalt		0.05
	grade VG-10 @ 50 kg/10sqm	sqm	0.05
	16.44.2 For 75 mm compacted thickness with paving asphalt		0.000
	grade VG-10 @ 68 kg/10sqm	sqm	0.068
	MASTIC AND BITUMASTIC BEARING COARSE		
16.45	Providing and laying bitumen mastic wearing course		0.0500
	16.45.1 25mm thick	sqm	0.0588
	16.45.2 40mm thick	sqm	0.0941
16.46	2.5 cm thick bitumastic sheet with hot bitumen, paving		
	Asphalt VG-10 /VG-30 / Modified Bitumen CRMB 55	sqm	0.0303
16.47	4 cm thick bitumastic sheet with hot bitumen, paving Asphalt		
	VG-10 /VG-30 / Modified Bitumen CRMB 55	sqm	0.0479
	SEAL COAT		
16.48	P/L seal coat using 128 kg of bitumen of grade VG-10.	sqm	0.0077
16.49	P/L seal coat using 98 kg of bitumen of grade VG-10.	sqm	0.0098
16.62	P/L Dense Bituminous Macadam:		
	16.62.1 50 to 100 mm average compacted thickness with		
	bitumen of grade VG-30 @5% (percentage by weight of total		
	mix) and lime filler @ 2% (percentage by weight of		

CODE	2.0 COEFFICIENTS FOR BITUMEN CO DESCRIPTION		
CODE NO.	DESCRIFTION	UNIT	Quantity of Bitumen in quintals per unit
NO.			
	Accused and an analysis Details Time Het Min Plant of 100 120		quantity of work
	Aggregate) prepared in Batch Type Hot Mix Plant of 100-120		1 1520
	TPH capacity.	cum	1.1538
	16.62.2 50 to 100 mm average compacted thickness with		
	bitumen of grade VG-30 @5% (percentage by weight of total		
	mix) and lime filler @ 2% (percentage by weight of		
	Aggregate) prepared in Drum Type Hot Mix Plant of 60-90		
	TPH capacity.	cum	1.1538
16.63	P/L bituminous macadam:		
	16.63.1 50 to 100 mm average compacted thickness with		
	bitumen of grade VG-30 @ 3.5% (percentage by weight of		
	total mix) prepared in Batch Type Hot Mix Plant of 100-120		
	TPH capacity.	cum	0.7683
	16.63.2 50 to 100 mm average compacted thickness with		
	bitumen of grade VG-30 @ 3.5% (percentage by weight of		
	total mix) prepared in Drum Type Hot Mix Plant of 60-90		
	TPH capacity.	cum	0.7683
16.64	Providing and laying semi- dense Bituminous concrete:		
10.07	16.64.1 25 mm compacted thickness with bitumen of		
	grade VG- 30 @5% (percentage by weight of total mix) and		
	lime filler @ 2% (percentage by weight of Aggregate)		
	prepared in Batch Type Hot Mix Plant of 100-120 TPH	100	2.0046
	capacity.	100 sqm	2.8846
	16.64.2 25 mm compacted thickness with bitumen of		
	grade VG- 30 @ 5% (percentage by weight of total mix) and		
	lime filler @ 2% (percentage by weight of Aggregate)		
	prepared in Drum Type Hot Mix Plant of 60-90 TPH		
	capacity.	100 sqm	2.8846
16.65	P/L Bituminous concrete:		
	16.65.1 40/50 mm compacted thickness with bitumen of		
	grade VG-30@5.5% (percentage by weight of total mix) and		
	lime filler @3% (percentage by weight of Aggregate)		
	prepared in Batch Type Hot Mix Plant of 100-120 TPH		
	capacity.	cum	1.296
	16.65.2 40/50 mm compacted thickness with bitumen of		
	grade VG-30@5.5% (percentage by weight of total mix) and		
	lime filler @3% (percentage by weight of Aggregate) and		
	waste plastic additive @8% (percentage by weight of		
	bitumen) prepared in Batch Type Hot Mix Plant of 100- 120		
	TPH capacity.	cum	1.296
	16.65.3 40/50 mm compacted thickness with bitumen of	cum	1.290
	÷		
	grade PMB-40 @5.5% (percentage by weight of total mix)		
	and lime filler @3% (percentage by weight of Aggregate)		
	prepared in Batch Type Hot Mix Plant of 100-120 TPH		1.206
	capacity.	cum	1.296
	16.65.4 40/50 mm compacted thickness with bitumen of		
	grade CRMB-60 @5.5% (percentage by weight of total mix)		
	and lime filler @3% (percentage by weight of Aggregate)		
	prepared in Batch Type Hot Mix Plant of 100-120 TPH		
	capacity.	cum	1.296
	16.65.5 40/50 mm compacted thickness with bitumen of		
	grade VG-30@5.5% (percentage by weight of total mix) and		
	lime filler @3% (percentage by weight of Aggregate)		
		cum	1.296
	prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.	cum	1.296

CODE	DESCRIPTION	UNIT	Quantity of Bitumen
NO.			in quintals per unit
			quantity of work
	16.65.6 40/50 mm compacted thickness with bitumen of		
	grade VG-30@5.5% (percentage by weight of total mix) and		
	lime filler @3% (percentage by weight of Aggregate) and		
	waste plastic additive @8% (percentage by weight of		
	bitumen) prepared in drum Type Hot Mix Plant of 60-90 TPH		
	capacity.	cum	1.296
	16.65.7 40/50 mm compacted thickness with bitumen of		
	grade PMB-40 @5.5% (percentage by weight of total mix)		
	and lime filler @3% (percentage by weight of Aggregate)		
	prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.	cum	1.296
	16.65.8 40/50 mm compacted thickness with bitumen of		
	grade CRMB-60 @5.5% (percentage by weight of total mix)		
	and lime filler @3% (percentage by weight of Aggregate)		
	prepared in Drum Type Hot Mix Plant of 60-90 TPH		
	capacity.	cum	1.296

^{*}Including tack coat

2.0 COEFFICIENTS FOR BITUMEN CONSUMPTION 23.0 WATER PROOFING

CODE	DESCRIPTION	UNIT	Quantity of Bitumen in
NO.			quintals per unit
			quantity of work
23.3	P/L water proofing treatment to vertical and horizontal		
	surfaces of depressed portions of W.C., kitchen and the like.	sqm	0.017
23.6	P/L water proofing treatment on roofs with cement slurry &		
	fibre glass cloth	sqm	0.0097
23.8	Providing and laying four courses water proofing treatment		
	with bitumen felt over roofs:		
	23.8.1 Bitumen felt (Hessian based) type 3grade I	sqm	0.029
23.9	P/L six courses water proofing treatment with bitumen felt		
	over roofs applied hot for first, third and fifth course		
	23.9.1 Blown type Bitumen85/25 or 90/15 conforming to		
	IS: 702 applied hot @ 1.45, 1.20 and 1.45 Kg per square		
	metre	sqm	0.041
	23.9.2 Blown or/and residual Bitumen applied hot @ 1.45,		
	1.20 and 1.70 Kg per square metre	sqm	0.0435
	23.9.3 Blown or/and residual Bitumen applied hot @		
	1.45, 1.20 and 1.70 Kg per square metre	sqm	0.0435