



GOVERNMENT OF INDIA



CENTRAL PUBLIC WORKS DEPARTMENT

ANALYSIS OF RATES FOR DELHI (Vol-1) 2018

Director General, CPWD, New Delhi



सत्यमेव जयते

GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

**ANALYSIS OF RATES
FOR DELHI
(VOL. 1)**

2018



Published under the Authority of Director General, CPWD, New Delhi

© All rights reserved. No part of this publication, either in English or in Hindi, may be reproduced in any form or by any means, electronic or mechanical including photocopy, recording or any information storage and retrieval system, without permission, in writing, from the Director General, CPWD, New Delhi.

DISCLAIMER

The Delhi Analysis of Rates is indicative, as coefficients for labour are likely to vary due to technological innovations, skill of workman and other local factors affecting the efficiency and output of labour. Further its use by Govt. Departments, PSUs, private bodies & individuals shall be at their own discretion. CPWD shall not be responsible for any ambiguity, discrepancy, dispute or financial loss, arising directly or indirectly by using or following items of Delhi Analysis of Rates by such Govt./Private bodies or individuals.

For feed back and suggestions, please contact SE(TAS),CPWD, Room No. 418, "A" Wing, Nirman Bhawan, New Delhi.Tel No. 01123062339. Email: delsetascsq.cpzd@nic.in

A GOVERNMENT OF INDIA PUBLICATION

Published by
DIRECTOR GENERAL
CPWD, Nirman Bhawan, New Delhi - 110011
&
Printed & Marketed by

JAIN BOOK AGENCY

Authorised Dealers of Govt. Publications
C-9, Connaught Place, New Delhi-110001
Phones : 011- 44556677, 23416390 upto 94
E-mail : cp@jainbookagency.com
Website : www.jainbookagency.com

JAIN BOOK DEPOT

C - 4, Opp. PVR Plaza, Post Box. No. 51,
Connaught Place, New Delhi-110001 (India)
Phone : 011- 23416101 / 02 / 03
E-mail : sales@jainbookdepot.com

JAIN BOOK AGENCY (SOUTHEND)

1, Aurobindo Place Market,
Hauz Khas, New Delhi-110016
Phone : 011- 41755666
E-mail : sales@jainbookagency.com
Website : www.jainbookagency.com

JAIN BOOK AGENCY (GURGAON)

19, Central Plaza Mall, Sector 53,
Golf Course Road,
Gurgaon 122002 Haryana
Phone : 0124- 4042665
Mobile : 9810666810

JAIN BOOK AGENCY (INTERNATIONAL)

RA- 11, Sector- 126,
Opp. Gate No. 2A of Amity University,
Noida
Mobile. : 9210080580

JAIN BOOK AGENCY (GREATER NOIDA)

11 Jagat farm Complex
Gama Sector Market
Near OBC Bank
Greater Noida
Phone : 0120-4206655

Distributed by

JAIN BOOK AGENCY (CENTRAL)

4574/15, 2nd Floor, Padamchand Marg,
Near Happy School, Daryaganj, New Delhi-110002
Phone : 011- 43513689, 43513570
Mob: 9667274446, 9810666810
E-mail : thakur@jainbookagency.com

Also available at

All Leading Booksellers & Authorised Govt. Dealers In India

Price : Rs. 3200/- (for both volumes) excluding postage and forwarding charges etc.



PRABHAKAR SINGH
Director General



भारत सरकार
Government of India



केन्द्रीय लोक निर्माण विभाग
निर्माण भवन, नई दिल्ली 110011
Central Public Works Department
Nirman Bhawan, New Delhi- 110011
Tel : 23062556 / 1317, Fax : 23061884
E-Mail : cpwd_dgw@nic.in

FOREWORD

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

It was first compiled in the year 1950, followed by subsequent publication or revision in the years 1955, 1962, 1972, 1977, 1985, 1997, 2007, 2012, 2013, 2014 & 2016.

Last Delhi Analysis of Rates was published in the year 2016. Revision of this DAR has become necessary due to changes in wages of labour & price of materials, adoption of new construction technologies & materials as well as implementation of GST. This has necessitated revision of existing Analysis of Rates for Delhi 2016 to include the above changes. Accordingly, this Analysis of Rates for Delhi 2018 has been prepared.

The analysis of existing items has been updated in conformity with updated items of works in DSR 2018.

I wish to place on record the technical input and the effective coordination on the part of Shri A.S. Arora ADG (S&P), Dr K M Soni ADG(TD), Shri Manu Amitabh CE(CSQ) (Civil) and team efforts put in by Shri Divakar Agrawal SE(TAS), Shri D.S.Panwar EE(TAS-I), Shri M.L.Prasad EE(TAS-II), Shri D.S.Adhikari AE(QA), Shri Naveenkumar P JE(TAS) and team of officers in CSQ unit in finalizing Analysis of Rates for Delhi 2018 in a record time.

I am sure that C.P.W.D. Analysis of Rates for Delhi 2018 shall be very useful document to various Central Govt. Ministries, Departments & Public Sector Undertakings also besides various units of CPWD.

(PRABHAKAR SINGH)
Director General

Place : New Delhi

Date : December 14, 2018



DR K.M. SONI
Addl. Director General (TD)



भारत सरकार
Government of India



केन्द्रीय लोक निर्माण विभाग
निर्माण भवन, नई दिल्ली 110011
Central Public Works Department
Nirman Bhawan, New Delhi- 110011

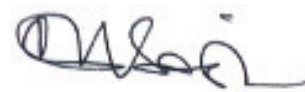
PREFACE

1. C.P.W.D. Analysis of Rates for Delhi 2018 is the revised edition of C.P.W.D. Analysis of Rates for Delhi 2016.
2. Analysis of Rates for Delhi 2018 incorporates most of the analysis of items of Analysis of Rates for Delhi 2016 with updated correction slips, including analysis of existing items and also corresponding new items introduced in DSR 2018.
3. Analysis of Rates for Delhi, 2018 is published in two volumes i.e. volume I & II as under:

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

Volume Number	Sub-head No.	Content/ Sub-head
	24	Conservation of Heritage Buildings.
	25	Structural Glazing Aluminium Composite Panel
	26	New Technologies and Materials

4. Analysis of few existing items in sub head - 13 (Finishing) have been deleted. Similarly, analysis of many items have been modified correspond to items of DSR 2018. Several new analysis and existing subhead renamed in sub head 6 (Masonry work instead Brick work) Sub head 8 (Cladding work instead of Marble & Granite work) have been introduced in Analysis of Rates for Delhi 2018.
5. Analysis of Rates for Delhi 2018 is based on the study of current market rates of materials at Delhi, prevailing as on 01.10.2018. The basic rates of materials, incorporated in the analysis, pertain to materials conforming to BIS Standards/ CPWD Specifications/Materials of good quality generally available in the market. The effect of GST on works contracts has been incorporated in all items. Labour rates are taken from the minimum wages issued by the Government of Delhi and Govt. of India (whichever is higher) w.e.f. 01.10.2018.
6. The nomenclatures of main items have been printed along with the analysis of first Sub item only to conserve the space and number of pages.
7. Sundries have been considered as 2.00 times based on Cost Index of Delhi as on 01.10.2018 (118) with base as per PAR-2012 as 100.
8. Lot of efforts has gone into the preparation of this Analysis of Rates for Delhi. I convey my deep appreciation and sincere thanks to:
 Shri Manu Amitabh CE(CSQ); Shri Divakar Agrawal SE (TAS); Shri Sudhir Kumar Dak, SE (C&M); Shri D.S. Panwar EE (TAS-I); Shri M.L. Prasad EE-(TAS-II); Shri P. Goyal EE-(TAD); Shri A.K. Sikka EE (QA) Shri M.C. Singal EE (QA); Shri S N Jaiswal EE (HQ); Shri Shivani Kaushal EE (M); Shri Sajal Mitra, EE (CON); Shri Kunwar Chandresh EE (TLC); Shri D.S. Adhikari AE (QA); Shri D.K. Malhotra AE (TAS); Shri Patta Madhukumar AE(TAS); Shri Prabhat Kumar Srivastav AE(TAS); Shri Gurmeet Singh AE (TAD); Shri H.K. Gupta AE, (M); Shri Mohammad Tarik AE, (QA); Shri S.K. Sharma, AE, (QA); Shri Gopal Warshney AE, (QA); Shri K.R. Meena AE, (CON); Shri Ved Khurana AE, (TLC); Shri Jai Bhagwan AE, (M); Shri Chalapaka Ramaraju JE, (TAD); Shri Naveenkumar P, JE (TAS); Shri Jay Prakash, Chief Estimator (TAS); Shri Bhim Singh Sr. D/man (TAS); Shri Hariram Sr. D/man (TAS); Shri. Prabhat Singh Sr. D/man (TAS) and other officers and staff of CSQ unit whose names are not mentioned here, for sincere efforts made in the preparation of this document in such a short time. Various Committees and field units, who contributed field inputs, also deserve appreciation for their timely help.
9. Due care has been taken to print the C.P.W.D. Analysis of Rates for Delhi as correctly as possible. It is, however possible that some errors might have crept in. In case any error or omission is noticed, it may be brought to the notice of the Superintending Engineer (TAS), CPWD, Room no. 418, A-wing, Nirman Bhawan, New Delhi.



(Dr K M SONI)
ADG (TD) CPWD

C O N T E N T S

Vol. 1

SH. No.	NAME OF SUB-HEAD	PAGE No.
A.	BASIC RATES	
0.1	HIRE CHARGES OF PLANTS & MACHINERY	3-6
0.2	LABOUR	7-8
0.3	MATERIALS	9-61
0.4	CARRIAGE CODES	62-64
B.	SUB -HEADS	
1.	Carriage of Materials	65-76
2.	Earth Work	77-132
3.	Mortars	133-142
4.	Concrete Work	143-178
5.	Reinforced Cement Concrete	179-270
6.	Masonry Work	271-312
7.	Stone Work	313-356
8.	Cladding Work	357-416
9.	Wood and PVC Work	417-664
10.	Steel Work	665-710
11.	Flooring	711-802
12.	Roofing	803-894
Note: For remaining Sub Heads refer to Vol. 2		

C O N T E N T S

Vol. 2

SH. No.	NAME OF SUB-HEAD	PAGE No.
13.	Finishing	895-994
14.	Repairs to Building	995-1064
15.	Dismantling and Demolishing	1065-1112
16.	Road Work	1113-1256
17.	Sanitary Installations	1257-1370
18.	Water Supply	1371-1638
19.	Drainage	1639-1740
20.	Pile work	1741-1772
21.	Aluminium Work	1773-1804
22.	Water Proofing	1805-1830
23.	Rain Water Harvesting & Tubewells	1831-1856
24.	Conservation of Heritage Buildings	1857-1864
25.	Structural Glazing Aluminium Composite Panel	1865-1876
26.	New Technologies and Materials	1877-1994

BASIC RATES

BASIC RATES

0.1 HIRE CHARGES OF PLANTS & MACHINERY

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

Code No.	Description	Unit	Rate ₹
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	350.00
0005	Hire charges of Diesel Truck - 9 tonne	day	2000.00
0006	Hire charges of Spraying machine including electric charges	day	250.00
0007	Hire charges of Coaltar Sprayer	day	300.00
0008	Hire charges of Barber green, drying, mixing and Asphalt Plant, with accessories, capacity 30/45 tonne	day	7700.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	210.00
0010	Hire charges of Derrick monkey rope	day	750.00
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	700.00
0012	Vibrator (Needle type 40 mm)	day	370.00
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	1900.00
0016	Mastic Cooker	day	750.00
0017	Hire and running charges of tipper	day	1700.00
0018	Hire and running charges of loader	day	5000.00
0019	Hand Grinder for mirror polish	day	250.00
0020	Hydraulic Excavator (3D) with driver and fuel	day	7000.00
0021	Pin vibrator	day	325.00
0022	Surface Vibrator	day	400.00
0023	Hot Bitumen Mixer 0.5 cum i/c hand cart	day	3500.00
0024	Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site	day	30000.00
0025	Hire and running charges of light crane	day	3000.00
0026	Hire and running charges of bentonite pump	day	3500.00

BASIC RATES : 0.1 HIRE CHARGES OF PLANTS & MACHINERY

Code No.	Description	Unit	Rate ₹
0027	Hire and running charges of vibrating pile driving hammer complete with power unit and accessories	day	30000.00
0028	Hire and running charges of crane 20 tonne capacity	day	7000.00
0029	Carriage of concrete by transit mixer	km/cum	30.00
0030	Generator 250 KVA	day	2500.00
0031	Steam curing by using boiler /Heater	cum	500.00
0032	Stressing Machine (jack with pump)	day	11500.00
0033	Paint applicator	day	750.00
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	7500.00
0038	Tractor with ripper attachment	day	1200.00
0039	Tractor with trolley	day	1350.00
0040	Air compressor 250 cfm with two leads for pneumatic cutters / hammers	day	1600.00
0041	Joint cutting machine with 2-3 blades	day	800.00
0042	C.C .batch mix plant	day	10000.00
0043	Road sweeper	day	550.00
0044	Cost for crane upto 40 tonne capacity	day	8000.00
0045	Slip form paver with sensor	day	13000.00
0046	Water tanker 5000 litre	day	1200.00
0047	Concrete joint cutting machine	day	900.00
0048	Texturing machine	day	925.00
0049	Dozer D-80-A 12	hour	1500.00
0050	Motor Grader 3.35 metre blade	hour	2450.00
0051	Hydraulic Excavator of 1 cum bucket	hour	1000.00
0052	Front end loader 1 cum bucket capacity (incl POL)	hour	900.00
0053	Tipper-5 Cum	tonne/km	3.00
0054	Vibratory roller 8 to 10 tonne	hour	600.00
0055	Smooth Wheeled Roller 8 to 10 tonne	hour	300.00
0056	Tandem Road Roller	hour	1200.00
0057	Water Tanker 5 to 6 KL capacity	hour	150.00

BASIC RATES : 0.1 HIRE CHARGES OF PLANTS & MACHINERY

Code No.	Description	Unit	Rate ₹
0058	Air compressor	hour	200.00
0059	Wet Mix Plant 60 TPH	hour	800.00
0060	Mechanical Broom Hydraulic	hour	360.00
0061	Emulsion Pressure Distributor of capacity 1750 sqm per hour	hour	800.00
0062	Hot mix Plant -120 TPH capacity	hour	15000.00
0063	Hot mix Plant 100 TPH Capacity	hour	13000.00
0064	Paver finisher Hydrostatic with sensor control 100 TPH	hour	1500.00
0065	Paver finisher Mechanical 100 TPH	hour	800.00
0066	Batching and Mixing Plant @ 75 cum per hour	hour	2400.00
0067	Cost for crane upto 80 tonne capacity	day	15000.00
0068	Concrete Paver finisher with 40 HP Motor and sensor	hour	3000.00
0069	Generator 250 KVA	hour	350.00
0070	Generator 100 KVA/125 KVA	hour	250.00
0071	Truck 5.5 cum/10 tonnes	tonne km	3.00
0072	Cost for crane having capacity 50MT	day	8500.00
0075	Road sweeper (Mechanical Broom) @ 1250 sqm per hour	hour	350.00
0076	Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output	hour	12000.00
0080	Hire and running charges of drill machine up to 400 mm dia (including cost of mobile oil, diesel consumption in ordinary soil and operator)	day	7500.00
0081	Pile Integrity testing equipment	day	3000.00
0082	Excavation of Diaphragm wall by Mechanical Grab	sqm	1300.00
0083	Hire charges of TATA 407 or equivalent for local shifting.	day	1200.00
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.			
0084	Hire charges of diesel truck - 9 tonne (witout POL)	day	1500.00
0085	Using cost of Ultra Violet Radiation tube	Hour	189.00
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 and operator	day	36000.00

BASIC RATES : 0.1 HIRE CHARGES OF PLANTS & MACHINERY

Code No.	Description	Unit	Rate ₹
0088	Hire charges of Drill machine upto 30 mm dia	day	160.00
0089	Hire charges of sand blasting equipment	day	160.00
0090	Hire charges of compressor	day	420.00
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 and operator	day	8000.00

BASIC RATES : 0.1 HIRE CHARGES OF PLANTS & MACHINERY

BASIC RATES

0.2 LABOUR

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

Code No.	Description	Unit	Rate ₹
0100	Bandhani	day	617.00
0101	Bhisti	day	617.00
0102	Blacksmith 1st class	day	738.00
0103	Blacksmith 2nd class	day	679.00
0111	Carpenter 1st class	day	738.00
0112	Carpenter 2nd class	day	679.00
0113	Chowkidar	day	558.00
0114	Beldar	day	558.00
0115	Coolie	day	558.00
0116	Fitter (grade 1)	day	738.00
0117	Assistant Fitter or 2nd class Fitter	day	679.00
0119	Glazier	day	679.00
0122	Mason (for plaster of paris work) 1st class	day	738.00
0123	Mason (brick layer) 1st class	day	738.00
0124	Mason (brick layer) 2nd class	day	679.00
0125	Mason (for plain stone work) 2nd class	day	679.00
0126	Mason (for ornamental stone work) 1st class	day	738.00
0127	Driver for (Road roller, concrete mixer, Trucks etc.)	day	738.00
0128	Mate	day	617.00
0129	Sewer man	day	558.00
0130	Mistry	day	738.00
0131	Painter	day	679.00
0132	Rock Excavator	day	558.00
0133	Rock Breaker	day	558.00
0134	Rock Hole Driller	day	558.00
0135	Stone Chiseller	day	617.00
0138	Sprayer (for bitumen, tar etc.)	day	617.00
0139	Skilled Beldar (for floor rubbing etc.)	day	617.00
0141	White Washer	day	617.00

Code No.	Description	Unit	Rate ₹
0154	Nozzel man/ gun man	day	738.00
0155*	Mason (average)	day	709.00
0156*	Carpenter (average)	day	709.00
0157	Operator (Pile/ Special machine)	day	738.00
0159	Skilled torch operator for laying tack	day	738.00
0160	Technician	day	775.00
0161	Helper (Technician)	day	558.00
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	485.00
0163	Labour for installation of uPVC extruded casement/ sliding windows and doors including scaffolding	sqm	430.00
0164	Security guard without gun (8 hours shift duty per day)	day	617.00
0165	Security guard with gun (8 hours shift duty per day)	day	679.00
*Note:These rates are average of 1st class and 2nd class catogories. These are for use in the analysis of rates only.			

BASIC RATES

0.3 MATERIALS

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

Code No.	Description	Unit	Rate ₹
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	10.00
0223	Fibre (reinforced by organic fibres and / or inorganic synthetic 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 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 ventilator curves	each	310.00
0232	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement barge boards boards 6 mm thick	metre	400.00
0233	Fibre (reinforced by organic fibres and / or inorganic synthetic fibre) cement 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	470.00
0239	8mm thick heavy duty fiber cement board	sqm	300.00
0240	9 mm thick heavy duty fiber cement board	sqm	625.00
0241	12.5 mm thick Gypsum plaster board	sqm	170.00
0242	6 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	195.00
0243	8 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	215.00
0244	Factory made light weight composite non asbestos fibre reinforced aerated cement sandwiched wall/roof panel (50mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 4mm thick) confirming to IS 14862:2000	sqm	634.00
0245	Factory made light weight non asbestos fibre reinforced aerated cement sandwiched wall/roof panel (75mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 5mm thick) confirming to IS 14862:2000	sqm	789.00
0246	2mm thick sim pad	each	10.00
0247	5mm thick sim pad	each	15.00
0248	10mm thick sim pad	each	25.00
0285	Brick Aggregate (Single size) : 63 mm nominal size	cum	650.00

Code No.	Description	Unit	Rate ₹
0286	Brick Aggregate (Single size) : 50 mm nominal size	cum	650.00
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	650.00
0291	Stone Aggregate (Single size) : 63 mm nominal size	cum	1000.00
0292	Stone Aggregate (Single size) : 50 mm nominal size	cum	1000.00
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	1300.00
0294	Stone Aggregate (Single size) : 25 mm nominal size	cum	1350.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1350.00
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1350.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1350.00
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	1400.00
0302	Safeda ballies 125 mm diameter	metre	40.00
0303	Cowdung	cum	50.00
0304	Bajri	cum	1000.00
0305	Bamboo 25 mm dia 2.5 metre long	score	400.00
0308	Bhusa	quintal	500.00
0309	Paving bitumen of grade VG-10 of approved quality	tonne	25614.00
0310	Bitumen emulsion	tonne	30099.00
0312	Bitumen grade PMB - 40	tonne	32200.00
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	34000.00
0314	Bitumen hot sealing compound : grade A	kg	28.00
0316	Bitumen solution primer of approved quality	litre	45.00
0317	Premoulded joint filler 12 mm thick	sqm	360.00
0318	Bitumen felt fibre base (vegetable or animal):As per IS 7193 Grade I	sqm	70.00
0319	Bitumen felt as per IS 7193 Grade II	sqm	80.00
0322	Bitumen felt :Type 3 grade 1	sqm	70.00
0323	Separation Membrane of impermeable plastic sheeting 125 micron thick	sqm	12.00
0324	Coal Tar	litre	30.00
0325	Blasting powder	kg	40.00
0326	Blasting fuse (fuse wire)	each	15.00
0328	White face insulating board: 12 mm thick	sqm	235.00
0332	Natural colour insulating board: 12 mm thick	sqm	210.00
0336	Flame retardant face insulating board: 12 mm thick	sqm	320.00
0339	Flame retardant face insulating, Impregnated fibre board 12 mm thick	sqm	375.00
0341	Flat pressed 3 layer particle board (medium density) Grade 1, 12 mm thick	sqm	288.00
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side	sqm	230.00
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	155.00
0348	Extra for veneered particle board with Teak veneering on both sides	sqm	500.00
0349	Curing compound	litre	38.00
0351	Integral crystalline slurry	kg	238.00
0352	Integral crystalline admixture	kg	272.00
0353	Crystalline mortar	kg	215.00
0354	Integral crystalline dry shake	kg	360.00
0355	Swellable type water stop tape	metre	365.00
0356	Primer for swellable type water stop tape	litre	1540.00
0357	Polymer modified adhesive mortar	kg	15.00
0362	Brick bats	cum	450.00
0364	Wire brush	each	20.00

Code No.	Description	Unit	Rate ₹
0365	Soft brush	each	20.00
0367	Portland Cement (OPC-43 Grade)	tonne	4940.00
0368	White Cement	tonne	11200.00
0369	Plastic sheet, 1.25 mm thick for dowel bars	sqm	25.00
0370	Coal (steam)	quintal	440.00
0371	Sealant primer	kg	130.00
0373	Cramp Gun metal 25x6x300 mm	each	80.00
0374	Pre moulded Joint filler, 25 mm thick for expansion joint.	sqm	400.00
0378	Brass butt hinges (light/ordinary type) : 125x70x4 mm	10 Nos	775.00
0379	Brass butt hinges (light/ordinary type) : 100x70x4 mm	10 Nos	625.00
0380	Brass butt hinges (light/ordinary type) : 75x40x2.5 mm	10 Nos	380.00
0381	Brass butt hinges (light/ordinary type) : 50x40x2.5 mm	10 Nos	155.00
0382	Brass butt hinges (heavy type) : 125x85x5.5 mm(0.70 kg)	10 Nos	1309.00
0383	Brass butt hinges (heavy type) : 100x85x5.5 mm(0.56 kg)	10 Nos	997.00
0384	Brass butt hinges (heavy type) : 75x65x4.0 mm (weighing not less than 0.20 kg)	10 Nos	838.00
0385	Brass parliamentary hinges 150x125x27x5 mm	10 Nos	2610.00
0386	Brass parliamentary hinges 125x125x27x5 mm	10 Nos	2300.00
0387	Brass parliamentary hinges 100x125x27x5 mm	10 Nos	2090.00
0388	Brass parliamentary hinges 75x100x20x3.2 mm	10 Nos	1870.00
0389	Brass single acting spring hinges 150 mm	each	425.00
0390	Brass single acting spring hinges 125 mm	each	285.00
0391	Brass single acting spring hinges 100 mm	each	250.00
0392	Brass double acting spring hinges 150 mm	each	480.00
0393	Brass double acting spring hinges 125 mm	each	400.00
0394	Brass double acting spring hinges 100 mm	each	390.00
0400	Brass tower bolt (barrel type) 250x10 mm	each	257.00
0401	Brass tower bolt (barrel type) 200x10 mm	each	205.00
0402	Brass tower bolt (barrel type) 150x10 mm	each	154.00
0403	Brass tower bolt (barrel type) 100x10 mm	each	103.00
0404	Brass flush bolt 250 mm	each	150.00
0405	Brass flush bolt 150 mm	each	130.00
0406	Brass flush bolt 100 mm	each	90.00
0408	Brass handles 125 mm with plate 175x32 mm	each	144.00
0409	Brass handles 100 mm with plate 150x32 mm	each	133.00
0410	Brass handles 75 mm with plate 125x32 mm	each	103.00
0411	Brass door latch 300x16x5 mm weighing not less than 0.380 kg	each	185.00
0412	Brass door latch 250x16x5 mm weighing not less than 0.350 kg	each	175.00
0413	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	400.00
0414	Brass mortice latch 100x65mm with a pair of brass lever handles	each	310.00
0417	Brass 150 mm floor door stopper weighing not less than 0.357kg	each	160.00
0418	Brass hard drawn hooks and eyes 300 mm	10 Nos	600.00
0419	Brass hard drawn hooks and eyes 250 mm	10 Nos	574.00
0420	Brass hard drawn hooks and eyes 200 mm	10 Nos	510.00
0421	Brass hard drawn hooks and eyes 150 mm	10 Nos	400.00
0422	Brass hard drawn hooks and eyes 100 mm	10 Nos	345.00
0423	Brass casement window fastener	each	45.00

Code No.	Description	Unit	Rate ₹
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	126.00
0425	Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	100.00
0426	Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	95.00
0427	Brass quadrant stays 300 mm	each	110.00
0428	Brass fanlight catch	10 Nos	170.00
0429	Brass fanlight pivot	10 Nos	168.00
0430	Brass chain with hook for fan light catch	each	36.00
0431	Brass hasps and staples (safety type) 150 mm	10 Nos	740.00
0432	Brass hasps and staples (safety type) 115 mm	10 Nos	670.00
0433	Brass hasps and staples (safety type) 90 mm	10 Nos	575.00
0438	Brass night latch	each	610.00
0442	Brass helical spring 150 mm	each	290.00
0444	Brass curtain rod 20 mm dia 1.25 mm thick	metre	140.00
0445	Brass curtain rod 25 mm dia 1.25 mm thick	metre	190.00
0446	Brass brackets (curtain rods) 20 mm	each	45.00
0447	Brass cupboard knob or wardrobe knob 50 mm	each	36.00
0449	Brass screws 50 mm	100 Nos	220.00
0450	Brass screws 40 mm	100 Nos	170.00
0451	Brass screws 30 mm	100 Nos	140.00
0452	Brass screws 25 mm	100 Nos	100.00
0453	Brass screws 20 mm	100 Nos	95.00
0454	Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick	metre	125.00
0455	Stainless steel SS grade 304, curtain rod 25 mm dia 1.20mm thick	metre	170.00
0456	Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick	each	46.00
0457	Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick	each	55.00
0458	plastic sleeves for screw	each	2.00
0524	Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms	10 Nos	905.00
0525	Chromium plated Brass butt hinges (light/ordinary) type 125x70x4mm	10 Nos	805.00
0526	Chromium plated Brass butt hinges (light/ordinary) type 100x70x4 mm	10 Nos	690.00
0527	Chromium plated Brass butt hinges (light/ordinary) type 75x40x2.5 mm	10 Nos	421.00
0528	Chromium plated Brass butt hinges (light/ordinary) type 50x40x2.5 mm	10 Nos	180.00
0552	75mm SS fancy handles for kitchen cabinet	10 Nos.	255.00
0553	100mm SS fancy handles for kitchen cabinet	10 Nos	455.00
0554	125mm SS fancy handles for kitchen cabinet	10 Nos	640.00
0555	Chromium plated Brass handles 125 mm with plate 175 x32 mm	each	160.00
0556	Chromium plated Brass handles 100 mm with plate 150 x 32 mm	each	140.00
0557	Chromium plated Brass handles 75mm with plate 125x32 mm	each	125.00
0558	Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	470.00
0568	Chromium plated brass casement window fastener	each	90.00
0569	Chromium plated Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	140.00
0570	Chromium plated Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	120.00

Code No.	Description	Unit	Rate ₹
0571	Chromium plated Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	100.00
0583	Chromium plated Brass Night latch	each	500.00
0584	Chromium plated Brass Wardrobe Knob 50 mm	each	80.00
0585	Chromium plated Brass screws 50 mm	100 Nos	300.00
0586	Chromium plated Brass screws 40 mm	100 Nos	290.00
0587	Chromium plated Brass screws 30 mm	100 Nos	240.00
0588	Chromium plated Brass screws 25 mm	100 Nos	180.00
0589	Chromium plated Brass screws 20 mm	100 Nos	160.00
0590	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	185.00
0591	Chromium plated Brass curtain rod 20 mm dia 1.25mm thick	metre	260.00
0592	Chromium plated Brass curtain rod 25 mm dia 1.25mm thick	metre	340.00
0593	C.P. Brass Extension Nipple (1/2"x2" size)	each	40.00
0594	Bright finished or black enameled mild steel butt hinges 125x65x 2.12 mm	10 Nos	135.00
0595	Bright finished or black enameled mild steel butt hinges 100x58x 1.90 mm	10 Nos	80.00
0596	Bright finished or black enameled mild steel butt hinges 75x47x 1.70 mm	10 Nos	56.00
0597	Bright finished or black enameled mild steel butt hinges 50x37x 1.50 mm	10 Nos	49.00
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	39.00
0635	Bright finished or black enameled mild steel screws 50 mm	100 Nos	75.00
0637	Bright finished or black enameled mild steel screws 40 mm	100 Nos	60.00
0638	Bright finished or black enameled mild steel screws 30 mm	100 Nos	45.00
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	36.00
0640	Bright finished or black enameled mild steel screws 20 mm	100 Nos	30.00
0641	Bright finished or black enameled mild steel bolts and nuts 50x6 mm	each	5.00
0642	Oxidised mild steel butt hinges 125x65x2.12 mm	10 Nos	130.00
0643	Oxidised mild steel butt hinges 100x58x1.90 mm	10 Nos	85.00
0644	Oxidised mild steel butt hinges 75x47x1.70 mm	10 Nos	63.00
0645	Oxidised mild steel butt hinges 50x37x1.50 mm	10 Nos	53.00
0646	Oxidised mild steel parliamentary hinges 150x125x27x2.8 mm	10 Nos	334.00
0647	Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm	10 Nos	309.00
0648	Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm	10 Nos	231.00
0649	Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm	10 Nos	196.00
0650	Oxidised mild steel single acting spring hinges 150 mm	each	138.00
0651	Oxidised mild steel single acting spring hinges 125 mm	each	118.00
0652	Oxidised mild steel single acting spring hinges 100 mm	each	98.00
0653	Oxidised mild steel double acting spring hinges 150 mm	each	157.00
0654	Oxidised mild steel double acting spring hinges 125 mm	each	135.00
0655	Oxidised mild steel double acting spring hinges 100 mm	each	118.00
0656	Nickel plated mild steel piano hinges 1 mm thick 35 mm wide	metre	44.00
0660	Oxidised mild steel sliding door bolt 300x16 mm	each	93.00
0661	Oxidised mild steel sliding door bolt 250x16 mm	each	84.00
0662	Oxidised mild steel door latch 300x20x6 mm	each	49.00
0663	Oxidised mild steel door latch 250x20x6 mm	each	39.00
0664	Oxidised mild steel tower bolt (barrel type) 250x10 mm	each	43.00
0665	Oxidised mild steel tower bolt (barrel type) 200x10 mm	each	34.00
0666	Oxidised mild steel tower bolt (barrel type) 150x10 mm	each	29.00
0667	Oxidised mild steel tower bolt (barrel type) 100x10 mm	each	20.00
0668	Oxidised mild steel handles 125 mm	each	20.00

Code No.	Description	Unit	Rate ₹
0669	Oxidised mild steel handles 100 mm	each	15.00
0670	Oxidised mild steel handles 75 mm	each	12.00
0679	Oxidised mild steel hasps and staples (safety type) 150 mm	10 Nos	128.00
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	108.00
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	79.00
0682	Oxidised mild steel screws 50 mm	100 Nos	76.00
0683	Oxidised mild steel screws 40 mm	100 Nos	62.00
0684	Oxidised mild steel screws 30 mm	100 Nos	49.00
0685	Oxidised mild steel screws 25 mm	100 Nos	36.00
0686	Oxidised mild steel screws 20 mm	100 Nos	32.00
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	560.00
0688	Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	393.00
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	393.00
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	270.00
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	324.00
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	275.00
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	226.00
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	196.00
0696	Anodised Aluminium sliding door bolt 300x16 mm	each	147.00
0697	Anodised Aluminium sliding door bolt 250x16 mm	each	128.00
0698	Anodised Aluminium tower bolt (barrel type) 300x10 mm	10 Nos	580.00
0699	Anodised Aluminium tower bolt (barrel type) 250x10 mm	10 Nos	481.00
0700	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 Nos	383.00
0701	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 Nos	304.00
0702	Anodised Aluminium tower bolt (barrel type) 100x10 mm	10 Nos	226.00
0703	Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 Nos	324.00
0704	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10 Nos	275.00
0705	Anodised Aluminium handles 75mm with plate 125 x 32 mm	10 Nos	231.00
0706	Anodised Aluminium kicking plate 50 cm long 100x3.15 mm	each	142.00
0713	Block board construction flush door with teak wood ply on both faces 35 mm thick	sqm	1800.00
0714	Block board construction flush door with teak wood ply on both faces 30 mm thick	sqm	1600.00
0715	Block board construction flush door with teak wood ply on both faces 25 mm thick	sqm	1400.00
0717	Block board construction flush door with commercial ply on both faces 35 mm thick	sqm	950.00
0718	Block board construction flush door with commercial ply on both faces 30 mm thick	sqm	900.00
0719	Block board construction flush door with commercial ply on both faces 25 mm thick	sqm	890.00
0752	Block board construction flush door lipping 25 mm thick	sqm of door area	300.00
0753	Square vision panel in Block board construction flush door not exceeding 0.10 sqm	sqm of door area	130.00
0754	Circular vision panel in Block board construction flush door	sqm of door area	135.00
0755	Decorative type louvers in Block board construction flush door	sqm of door area	265.00
0757	Rebate cutting in block board construction flush door	sqm of door area	70.00

Code No.	Description	Unit	Rate ₹
0759	Decorative plywood 4 mm	sqm	320.00
0761	Fuel wood	quintal	500.00
0763	Glue	kg	75.00
0764	Calcium silicate base compound for jointing calcium silicate tiles	kg	26.00
0765	Hessian cloth	sqm	35.00
0768	Cement Concrete Jali 50 mm thick	sqm	400.00
0769	Cement Concrete Jali 40 mm thick	sqm	350.00
0770	Cement Concrete Jali 25 mm thick	sqm	275.00
0771	Kerosene oil	litre	50.00
0772	White cement based polymer modified self curing compound in powder form	kg	15.00
0773	Unslaked lime	quintal	300.00
0775	Dehradun white lime	quintal	600.00
0776	Satna lime	quintal	370.00
0777	Dry hydrated lime (factory made)	quintal	290.00
0784	Marble dust/ powder	cum	1130.00
0785	Marble chips up to 4 mm and down size White & black	quintal	189.00
0788	Marble chips large size above 4 mm White & black	quintal	250.00
0801	Silicon and acrylic emulsion	litre	130.00
0802	Acrylic distemper 1st quality , having VOC content less than 50 grams/ litre	Kg	36.00
0803	Acrylic emulsion, having VOC content less than 50 grams/ litre	litre	94.00
0804	Premium acrylic emulsion of interior grade, having VOC content less than 50 grams/ litre	litre	220.00
0806	Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	litre	105.00
0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 grams/ litre	litre	50.00
0809	Exterior primer	kg	140.00
0810	Moorum	cum	500.00
0811	Mud (dry)	cum	165.00
0815	Dry distemper	kg	30.00
0816	1st quality Acrylic distemper(Ready mix) having VOC content less than 50 grams/ litre	kg	50.00
0818	Linseed oil (double boiled)	litre	200.00
0820	Cement primer	litre	80.00
0821	Distemper primer	litre	70.00
0823	Pink primer (for wood)	litre	105.00
0824	White cement based putty	kg	13.00
0826	Aluminium paint	litre	150.00
0827	Acid proof paint (chocolate or black)	litre	225.00
0828	Anticorrosive bituminous paint (black)	litre	100.00
0829	Black Japan paint	litre	90.00
0830	Enamel paint	litre	165.00
0831	Floor enamel paint in all shades except green	litre	250.00
0833	Synthetic enamel paint in black or chocolate shade	litre	170.00
0834	Synthetic enamel paint in all shades except black or chocolate shade	litre	160.00
0835	Plastic acrylic emulsion paint	litre	200.00
0836	100% Premium acrylic dirt resistance, Silicone additives exterior paint	litre	270.00
0837	Acrylic Exterior Primer	litre	100.00

Code No.	Description	Unit	Rate ₹
0845	Roofing paint for iron sheets in red colour	litre	120.00
0850	White lead	kg	170.00
0851	Water proofing cement paint	kg	38.00
0855	Wax polish (ready made)	kg	230.00
0856	Ordinary varnish	litre	100.00
0857	Superior copal varnish	litre	115.00
0858	Superior spar varnish	litre	115.00
0859	Oil type wood preservative	litre	130.00
0863	Putty for wood work	kg	30.00
0865	Pig lead	kg	130.00
0868	Premixed super white gypsum plaster	kg	6.00
0869	Plaster of Paris	kg	5.00
0870	Plug	each	10.00
0873	Copper pins 6 mm dia 7.5 cm long	each	10.00
0874	Black colour dark shade pigment	kg	70.00
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kg	60.00
0876	Green or blue medium shade pigment	kg	56.00
0886	Standard holder bat clamps for sand cast iron or cast iron pipes 150 mm dia	each	45.00
0966	Sand Cast iron plain shoe 150 mm dia	each	285.00
0967	Copper plate	kg	527.00
0969	Pulley 25 mm dia	each	48.00
0973	Rolling shutter made of 80x1.25 mm machine rolled laths	sqm	1400.00
0974	Top cover for rolling shutters 1.25 mm thick	metre	800.00
0975	27.5 cm long wire spring grade No. 2 for rolling shutters	each	300.00
0976	Ball bearing for rolling shutters	each	260.00
0977	Extra for mechanical devices chain and cranked operation for operating rolling shutters: exceeding 10.00 sqm and up to 16.80 sqm area of door	sqm	800.00
0978	Extra for mechanical devices chain and cranked operation for operating rolling shutters: exceeding 16.80 sqm area of door	sqm	800.00
0979	Royalty for good earth	cum	40.00
0980	Royalty for sludge	cum	90.00
0982	Coarse sand (zone III)	cum	1350.00
0983	Fine sand (zone IV)	cum	900.00
0992	Galvanised steel plain sheets	quintal	5000.00
0993	FY-1860 grade wire strands	quintal	5700.00
0994	Standard quality hard board sheet 3 mm thick	sqm	135.00
0996	Standard quality hard board sheet 4.5 mm thick	sqm	210.00
0999	Shellac	kg	300.00
1000	Spirit	litre	48.00
1001	Spun yarn	kg	50.00
1002	Mild steel round bar 12 mm dia and below	quintal	4500.00
1003	Mild steel round bar above 12 mm dia	quintal	4400.00
1004	Average rate of Mild steel round bars for reinforcement	quintal	4500.00
1005	Twisted steel/ deformed TMT bars Fe-500D	quintal	4600.00
1006	Mild steel square bars	quintal	4500.00
1007	Structural steel such as tees, angles channels and R.S. joists	quintal	4600.00
1008	Flats up to 10 mm in thickness	quintal	4500.00

Code No.	Description	Unit	Rate ₹
1009	Flats exceeding 10 mm in thickness	quintal	4600.00
1010	Mild steel plates	quintal	4800.00
1011	Steel glazed door, window/ ventilator, all members viz. F7D, F4B, K11 and K12B etc.	kg	54.00
1012	Pregalvanized high tensile steel confirming to IS:277-199	kg	90.00
1013	Mild steel sheets of 1.00 mm thickness for tanks	quintal	4600.00
1015	Mild steel expanded metal 20x60 mm strands 3.25 mm wide 1.60 mm thick	sqm	280.00
1019	Mild steel hooks	each	32.00
1020	Mild steel rivets	quintal	5000.00
1021	Hard drawn steel wire fabric 75 x 25 mm mesh of weight not less than 7.75 kg/sqm	sqm	430.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	38.00
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	120.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	9.00
1025	Mild steel bolts 6 mm dia and 25 mm long with hexagonal head	10 Nos	10.00
1027	Erection Bolts (Minimum 04 nos for each element)	each	25.00
1028	Straining bolts	each	80.00
1029	Galvanised steel barbed wire of 9.8 kg /100metre	quintal	5500.00
1030	Galvanised steel turn buckles	each	25.00
1031	Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steel nuts	each	20.00
1032	Galvanised steel bolts 10 mm dia and 7 cm long with nuts	each	6.00
1034	Bolts and nuts up to 300 mm in length	quintal	4800.00
1035	Bolts and nuts above 300 mm in length	quintal	5100.00
1036	Iron pintels including welded pin	each	37.00
1143	Steel beading 10x10x1.6mm (box type)	metre	27.00
1145	Aluminium Plain Strip edging 38x12x3 mm	metre	90.00
1149	Glass strip 4 mm thick 40 mm deep	metre	20.00
1151	Boundary stone top chisel dressed 15x15x90 cm	each	80.00
1154	Through and bond stone	100 Nos	5000.00
1157	Stone for masonry work	cum	1100.00
1158	Stone for pitching 15 cm x 22.5 cm	cum	600.00
1159	Stone dust	cum	1100.00
1160	Red sand stone block	10 cudm	79.00
1161	White sand stone block	10 cudm	205.00
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	900.00
1164	Red sand stone slab 40 mm thick (un-dressed)	sqm	200.00
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	200.00
1166	Red sand stone slab 30 mm thick (un-dressed)	sqm	200.00
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished)	sqm	280.00
1169	Kota stone slab 25mm thick (rough chiseled)	sqm	301.00
1174	Red sand stone slab 45 mm to 50 mm thick (un-dressed)	sqm	225.00
1175	White sand stone slab 45 mm to 50 mm thick (un-dressed)	sqm	240.00
1177	Stone grit 6 mm and down size or pea sized gravel	cum	800.00
1179	Crushed stone 2.36 mm to 12.5 mm size	cum	900.00
1182	Surkhi	cum	700.00

Code No.	Description	Unit	Rate ₹
1186	Superior class teak wood such as Dandeli, Balarshah or Malabar in planks	10 cudm	1100.00
1187	First class teak wood in scantling	10 cudm	880.00
1188	First class teak wood in planks	10 cudm	850.00
1189	Second class teak wood in scantling	10 cudm	776.00
1190	Second class teak wood in planks	10 cudm	791.00
1191	Marandi wood in planks	10 cudm	440.00
1192	Marandi wood in scantling	10 cudm	431.00
1194	Second class deodar wood in planks	10 cudm	500.00
1196	First class kail wood in planks	10 cudm	300.00
1197	Second class kail wood in scantling	10 cudm	260.00
1198	Second class kail wood in planks	10 cudm	260.00
1199	Sal wood in scantling	10 cudm	600.00
1200	Kiln seasoned selected sheesham wood planks	10 cudm	650.00
1201	Precast terrazzo tiles 22 mm thick (light shade)	sqm	285.00
1202	Precast terrazzo tiles 22 mm thick (medium shade)	sqm	265.00
1203	Precast terrazzo tiles 22 mm thick (dark shade)	sqm	245.00
1204	Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick	sqm	409.00
1207	G.I. Limpet washer	100 Nos	21.00
1208	Bitumen washer	100 Nos	30.00
1209	G.I. plain washer thick	100 Nos	35.00
1210	G.I. plain washer thin	100 Nos	21.00
1211	G.I. plain washer for seam bolts	100 Nos	32.00
1213	Water proofing materials	kilogram	35.00
1214	Welding by gas plant	cm	2.00
1215	Welding by electric plant	cm	2.00
1216	Whiting	quintal	600.00
1217	GI Wire mesh 100x100 mm	kg	75.00
1218	Shear stud	each	50.00
1219	Wire nails	kilogram	58.00
1220	Wire mesh (rabbit)	sqm	42.00
1221	20 mm dia holding down bolts	quintal	6100.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	120.00
1223	Steel weld mesh	sqm	150.00
1224	Hard drawn steel wire	quintal	4800.00
1225	Mild steel flat strap fitting	quintal	4120.00
1227	Chequered terrazzo tiles 22 mm thick (light shade)	sqm	275.00
1228	Chequered terrazzo tiles 22 mm thick (medium shade)	sqm	300.00
1229	Chequered terrazzo tiles 22 mm thick (dark shade)	sqm	260.00
1231	Extra for selected planks of second class teakwood	10 cudm	150.00
1234	Aluminium Plain Strip edging 57x12x3 mm	metre	135.00
1235	Diesel	litre	73.50
1237	Cutting marble or sand stone slab up to 50 mm thick by mechanical device	metre	10.00
1238	Extra for selected planks of first class teakwood	10 cudm	150.00
1239	18 mm thick Flamed finish granite stone slab	sqm	1000.00
1240	18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 sqm).	sqm	3209.00
1241	Commercial LPG in cylinder	kg	82.00
1242	Glass mosaic tiles (20 mm x 20 mm x 4 mm)	sqm	2049.00

Code No.	Description	Unit	Rate ₹
1243	Tile fixing chemical adhesive	kg	8.70
1244	Cement Polymer Grout Compound	kg	16.00
1245	Acid for cleaning tiles	litre	18.00
1246	Silicon based Joint Sealant for Tiles	kg	160.00
1247	Rubber base Adhesive	kg	223.00
1248	Epoxy based sealing Compound	kg	535.00
1249	Acrylic based sealing compound	kg	500.00
1250	Non woven reinforcement Tape	metre	0.14
1251	M-60 grade cementitious grout (Non Shrink)	kg	28.00
1252	Cementitious polymer base adhesive confirming to EOTA ETAG 004 (European Technical Approval)	kg	34.00
1253	Polypropylene mechanical fastener with plastic pin confirming to EOTA ETAG 014 (European Technical Approval) having dia 10mm & L=200mm	each	30.00
1254	Moisture cure Polyurethane Foam	750 ml	600.00
1255	PVC Corner Bead of size 25mmx25mm fixed with glass fibre mesh (100mm x 100mm)	metre	90.00
1256	Cementitious polymer base coat confirming to EOTA ETAG 004 (European Technical Approval)	kg	40.00
1257	Fiberglass mesh with alkali-resistant coating having mass per unit area 145 g/m ² , mesh size: 3.9x4.0 mm ±10%	sqm	75.00
1301	Bleaching powder	quintal	1800.00
1304	Surface box for stop cock	each	125.00
1305	Surface box for sluice valve	each	210.00
1307	Surface box for water meter	each	250.00
1309	C.I. bracket for wash basin and sinks	pair	88.00
1313	8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate for European type W.C.	each	200.00
1314	C.P.brass chain with 32 mm dia rubber plug	each	40.00
1315	C.P.brass chain with 40 mm dia rubber plug	each	40.00
1316	50mmx50mm hardwood plug	each	75.00
1330	Clamps and M.S. stays including bolts and nuts for 100 mm pipe	each	67.50
1331	M.S. Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	30.00
1332	M.S. Holder bat clamp of approved design for 75 mm S.C.I. pipe	each	27.00
1334	Clamps and M.S. stays including bolts and nuts for 50 mm pipe	each	35.00
1335	Clamps and M.S. stays including bolts and nuts for 75 mm pipe	each	37.00
1336	Clearing eye with chain and lid 100 mm dia	each	44.00
1337	Clearing eye with chain and lid 150 mm dia	each	50.00
1339	Brass bib-cock 15 mm dia	each	210.00
1340	Brass bib-cock 20 mm dia	each	225.00
1342	Brass stop-cock 15 mm dia	each	210.00
1343	Brass stop-cock 20 mm dia	each	225.00
1350	Mosquito proof coupling of approved design	each	30.00
1352	C.I. cover and frame 300x300 mm inside	each	477.00
1353	C.I. cover without frame 300x300 mm inside i/c cover of 4.50 kg	each	477.00
1354	Rectangular cover 455x610 mm with frame (low duty)	each	1400.00
1355	Rectangular cover 455x610 mm without frame (low duty)	each	910.00
1356	500 mm dia cover with frame (medium duty)	each	4400.00
1357	500 mm dia cover without frame (medium duty)	each	2300.00
1360	C.I. mouth, brass ferrule 15 mm dia	each	140.00

Code No.	Description	Unit	Rate ₹
1361	C.I. mouth, brass ferrule 20 mm dia	each	160.00
1362	C.I. mouth, brass ferrule 25 mm dia	each	220.00
1363	Vitreous china foot rests 250x130x30 mm	pair	100.00
1364	C.I. grating 100x100 mm	each	40.22
1366	C.I. grating 150x150 mm	each	54.42
1367	C.I. grating 180x180 mm	each	65.00
1369	S.C.I. gully or nahani grating 100 mm dia	each	25.00
1373	Rubber insertions for 75 mm dia pipe joints	each	16.00
1374	Rubber insertions for 100 mm dia pipe joints	each	18.00
1375	Rubber insertions for 125 mm dia pipe joints	each	20.00
1376	Rubber insertions for 150 mm dia pipe joints	each	20.00
1377	Rubber insertions for 200 mm dia pipe joints	each	25.00
1378	Rubber insertions for 250 mm dia pipe joints	each	40.00
1379	Rubber insertions for 300 mm dia pipe joints	each	45.00
1380	Rubber insertions for 350 mm dia pipe joints	each	50.00
1381	Rubber insertions for 400 mm dia pipe joints	each	73.00
1382	Rubber insertions for 450 mm dia pipe joints	each	92.00
1383	Rubber insertions for 500 mm dia pipe joints	each	110.00
1384	Rubber insertions for 600 mm dia pipe joints	each	125.00
1392	Mirror of superior make glass 60x45 cm	each	400.00
1396	Vitreous china pedestal for wash basin	each	900.00
1397	Pig lead	kg	176.00
1464	S & S.C.I. standard specials upto 300 mm dia (heavy class)	quintal	3600.00
1466	S & S.C.I. standard specials over 300 mm dia (heavy class)	quintal	3700.00
1468	Flanged C.I. standard specials upto 300 mm dia (heavy class)	quintal	5500.00
1470	Flanged C.I. standard specials over 300 mm dia (heavy class)	quintal	5500.00
1472	Casing pipe 100 mm dia	metre	335.00
1532	Flush pipe with union spreaders and clamps all in C.P. brass for single stall	each	270.00
1533	Flush pipe with union spreaders and clamps all in C.P. brass for double stall	each	400.00
1534	Flush pipe with union spreaders and clamps all in C.P. brass for range of three stall	each	520.00
1535	Flush pipe with union spreaders and clamps all in C.P. brass for range of four stall	each	600.00
1540	Flush pipe and spreaders G.I. for single set of one squatting plate urinal	each	175.00
1541	Flush pipe and spreaders G.I. for range of two squatting plates urinal	each	250.00
1542	Flush pipe and spreaders G.I. for range of three squatting plates urinal	each	300.00
1543	Flush pipe and spreaders G.I. for range of four squatting plates urinal	each	390.00
1545	G.I. pipes 15 mm dia	metre	91.00
1546	G.I. pipes 20 mm dia	metre	120.00
1547	G.I. pipes 25 mm dia	metre	171.00
1548	G.I. pipes 32 mm dia	metre	215.00
1549	G.I. pipes 40 mm dia	metre	250.00
1550	G.I. pipes 50 mm dia	metre	310.00
1551	G.I. pipes 65 mm dia	metre	395.00
1552	G.I. pipes 80 mm dia	metre	505.00
1555	G.I. back (jam) nuts 25 mm dia	each	15.00
1559	G.I. back (jam) nuts 65 mm dia	each	25.00

Code No.	Description	Unit	Rate ₹
1608	G.I. tees (equal) 25 mm	each	50.00
1612	G.I. tees (equal) 65 mm	each	452.00
1614	G.I. inlet connection	each	60.00
1616	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 75 mm dia	each	1050.00
1617	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 100 mm dia	each	1135.00
1618	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 150 mm dia	each	1750.00
1620	S.C.I. plain bend 75 mm dia	each	210.00
1621	S.C.I. plain bend 100 mm dia	each	258.00
1622	S.C.I. plain bend 150 mm dia	each	460.00
1624	S.C.I. bend with access door 75 mm dia	each	240.00
1625	S.C.I. bend with access door 100 mm dia	each	300.00
1627	S.C.I. plain single equal junctions 75x75x75 mm dia	each	278.00
1628	S.C.I. plain single equal junctions 100x100x100 mm dia	each	360.00
1630	S.C.I. single equal junctions 75x75x75 mm dia with access door	each	320.00
1631	S.C.I. single equal junctions 100x100x100 mm dia with access door	each	405.00
1633	S.C.I. plain double equal junctions 75x75x75x75 mm dia	each	382.00
1634	S.C.I. plain double equal junctions 100x100x100x100 mm dia	each	590.00
1636	S.C.I. double equal junctions 75x75x75x75 mm dia with access door	each	500.00
1637	S.C.I. double equal junctions 100x100x100x100 mm dia with access door	each	715.00
1639	Slotted cowl (terminal guard) 75 mm dia	each	191.00
1640	Slotted cowl (terminal guard) 100 mm dia	each	239.00
1641	G.I. Union 15 mm nominal bore	each	30.00
1642	G.I. Union 20 mm nominal bore	each	49.00
1643	G.I. Union 25 mm nominal bore	each	108.00
1644	G.I. Union 32 mm nominal bore	each	141.00
1645	G.I. Union 40 mm nominal bore	each	192.00
1646	G.I. Union 50 mm nominal bore	each	249.00
1647	G.I. Union 65 mm nominal bore	each	504.00
1648	G.I. Union 80 mm nominal bore	each	563.00
1649	Polyethylene water storage tank with cover and suitable locking arrangement	per litre	5.50
1653	Sand cast iron S&S plain single unequal junctions: 100x100x75 mm dia	each	494.00
1656	Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door	each	550.00
1659	Sand cast iron S&S plain double unequal junctions: 100x100x75x75 mm dia	each	615.00
1662	Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door	each	700.00
1666	Sand cast iron heel rest bend 75 mm dia	each	274.00
1667	Sand cast iron heel rest bend 100 mm dia	each	347.00
1669	S.C.I. single equal invert branch of required degree 75x75x75 mm dia	each	320.00
1670	S.C.I. single equal invert branch of required degree 100x100x100 mm dia	each	410.00
1672	S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia	each	410.00
1673	S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia	each	550.00
1674	S.C.I. single unequal invert branch of required degree 100x100x75 mm dia	each	495.00

Code No.	Description	Unit	Rate ₹
1677	S.C.I. double unequal invert branch of required degree 100x100x75x 75 mm dia	each	570.00
1682	S.C.I. door pieces 75 mm dia	each	283.00
1683	S.C.I. door pieces 100 mm dia	each	475.00
1685	S.C.I. collar 75 mm dia	each	177.00
1686	S.C.I. collar 100 mm dia	each	246.00
1687	Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore	each	30.00
1688	Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore	each	35.00
1689	Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore	each	35.00
1690	Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore	each	48.00
1693	S.C.I. hand pump	each	670.00
1700	R.C.C. pipes NP2 class 100 mm dia	metre	200.00
1701	R.C.C. pipes NP2 class 150 mm dia	metre	212.00
1702	R.C.C. pipes NP2 class 250 mm dia	metre	350.00
1703	R.C.C. pipes NP2 class 300 mm dia	metre	445.00
1704	R.C.C. pipes NP2 class 450 mm dia	metre	750.00
1705	R.C.C. pipes NP2 class 500 mm dia	metre	925.00
1706	R.C.C. pipes NP2 class 600 mm dia	metre	1100.00
1707	R.C.C. pipes NP2 class 700 mm dia	metre	1485.00
1709	R.C.C. pipes NP2 class 800 mm dia	metre	1800.00
1710	R.C.C. pipes NP2 class 900 mm dia	metre	2500.00
1711	R.C.C. pipes NP2 class 1000 mm dia	metre	2900.00
1712	R.C.C. pipes NP2 class 1100 mm dia	metre	3200.00
1713	R.C.C. pipes NP2 class 1200 mm dia	metre	3510.00
1714	R.C.C. collars NP2 class 100 mm dia	each	30.00
1715	R.C.C. collars NP2 class 150 mm dia	each	35.00
1716	R.C.C. collars NP2 class 250 mm dia	each	50.00
1717	R.C.C. collars NP2 class 300 mm dia	each	55.00
1718	R.C.C. collars NP2 class 450 mm dia	each	100.00
1719	R.C.C. collars NP2 class 500 mm dia	each	115.00
1720	R.C.C. collars NP2 class 600 mm dia	each	140.00
1721	R.C.C. collars NP2 class 700 mm dia	each	150.00
1723	R.C.C. collars NP2 class 800 mm dia	each	200.00
1724	R.C.C. collars NP2 class 900 mm dia	each	235.00
1725	R.C.C. collars NP2 class 1000 mm dia	each	280.00
1726	R.C.C. collars NP2 class 1100 mm dia	each	300.00
1727	R.C.C. collars NP2 class 1200 mm dia	each	350.00
1728	RCC pipe 450 mm dia NP-3 spigot	metre	1496.00
1729	RCC pipe 600 mm dia NP-3 spigot	metre	1995.00
1730	RCC pipe 900 mm dia NP-3 spigot	metre	3150.00
1731	RCC pipe 1000 mm dia NP-3 spigot	metre	3885.00
1732	RCC pipe 1200 mm dia NP-3 spigot	metre	5040.00
1733	RCC pipe 1800 mm dia NP-3 spigot	metre	9450.00
1734	RCC pipe 450 mm dia NP-4 spigot	metre	1733.00
1735	RCC pipe 600 mm dia NP-4 spigot	metre	2310.00

Code No.	Description	Unit	Rate ₹
1736	RCC pipe 900 mm dia NP-4 spigot	metre	4494.00
1737	RCC pipe 1000 mm dia NP-4 spigot	metre	5565.00
1738	RCC pipe 1200 mm dia NP-4 spigot	metre	6510.00
1739	RCC pipe 1800 mm dia NP-4 spigot	metre	13650.00
1854	Stoneware pipes grade A (60 cm long) 100 mm dia	each	55.00
1855	Stoneware pipes grade A (60 cm long) 150 mm dia	each	100.00
1856	Stoneware pipes grade A (60 cm long) 200 mm dia	each	200.00
1857	Stoneware pipes grade A (60 cm long) 230 mm dia	each	250.00
1858	Stoneware pipes grade A (60 cm long) 250 mm dia	each	320.00
1859	Stoneware pipes grade A (60 cm long) 300 mm dia	each	478.00
1863	Fire clay kitchen sink: 600x450x250 mm	each	1283.00
1871	White vitreous china laboratory sink 450x300x150 mm	each	1500.00
1872	White vitreous china laboratory sink 600x450x200 mm	each	2500.00
1875	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	400.00
1876	Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	310.00
1878	Shower rose C.P. brass for 15 to 20 mm inlet 100 mm dia	each	100.00
1879	Shower rose C.P. brass for 15 to 20 mm inlet 150 mm dia	each	125.00
1880	Dismanteled P or S trap scrap (approx wt 2kg)	kg	22.00
1881	Spun yarn	kg	50.00
1882	Strainer brass 40 mm dia 1.5 metre long	each	600.00
1885	15 mm C.P. brass tap	each	207.00
1889	C.P. brass toilet paper holder of standard size	each	225.00
1890	Centrifugally SCI(spun) S & S P or S trap	each	300.00
1891	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	each	170.00
1893	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 80 mm dia	each	225.00
1895	C.P. brass trap 40 mm dia	each	300.00
1896	100 mm S.C.I. trap with vent heel	each	320.00
1897	100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet	each	271.00
1898	100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet	each	218.00
1900	S.W. gully trap P type 100x100 mm	each	100.00
1902	S.W. gully trap P type 150x100 mm	each	130.00
1904	S.W. gully trap P type 180x150 mm	each	225.00
1913	Vitreous china lipped front urinal	each	460.00
1915	Vitreous china squatting plate urinal	each	1053.00
1922	H.P. or L.P. ball valve with polythene floats: 15 mm dia	each	210.00
1923	H.P. or L.P. ball valve with polythene floats: 20 mm dia	each	235.00
1924	H.P. or L.P. ball valve with polythene floats: 25 mm dia	each	230.00
1926	20 mm dia Gunmetal gate valve with wheel	each	325.00
1927	Brass full way valve with C.I. wheel (screwed end) 25 mm dia	each	350.00
1928	Brass full way valve with C.I. wheel (screwed end) 32 mm dia	each	410.00
1929	Brass full way valve with C.I. wheel (screwed end) 40 mm dia	each	480.00
1930	Brass full way valve with C.I. wheel (screwed end) 50 mm dia	each	620.00
1931	Brass full way valve with C.I. wheel (screwed end) 65 mm dia	each	1080.00
1932	Brass full way valve with C.I. wheel (screwed end) 80 mm dia	each	1620.00
1933	Gunmetal non-return valve-horizontal (screwed end) 25 mm dia	each	330.00
1934	Gunmetal non-return valve-horizontal (screwed end) 32 mm dia	each	450.00
1935	Gunmetal non-return valve-horizontal (screwed end) 40 mm dia	each	560.00

Code No.	Description	Unit	Rate ₹
1936	Gunmetal non-return valve-horizontal (screwed end) 50 mm dia	each	820.00
1937	Gunmetal non-return valve-horizontal (screwed end) 65 mm dia	each	1490.00
1938	Gunmetal non-return valve-horizontal (screwed end) 80 mm dia	each	2120.00
1940	C.I. sluice valve (with caps) class I: 100 mm dia	each	2410.00
1941	C.I. sluice valve (with caps) class I : 125 mm dia	each	2600.00
1942	C.I. sluice valve (with caps) class I: 150 mm dia	each	3600.00
1943	C.I. sluice valve (with caps) class I : 200 mm dia	each	7500.00
1944	C.I. sluice valve (with caps) class I : 250 mm dia	each	10980.00
1945	C.I. sluice valve (with caps) class I: 300 mm dia	each	15500.00
1947	Vitreous china flat back wash basin 630x450 mm	each	725.00
1949	Vitreous china angle back wash basin 600x480 mm	each	725.00
1950	Vitreous china angle back wash basin 400x400 mm	each	425.00
1951	C.P. brass waste 32 mm	each	80.00
1952	C.P. brass waste 40 mm	each	95.00
1953	Vitreous china Indian type W.C. pan of size 580 mm	each	450.00
1954	Vitreous china orrisa type W.C. pan of size 580 mm	each	1200.00
1955	Vitreous china pedestal type water closet	each	1000.00
1956	Bolts and nuts 16 mm dia 60 mm long	each	11.00
1957	Bolts and nuts 16 mm dia 65 mm long	each	12.00
1958	Bolts and nuts 20 mm dia 65 mm long	each	15.00
1959	Bolts and nuts 20 mm dia 70 mm long	each	17.00
1960	Bolts and nuts 20 mm dia 75 mm long	each	16.00
1961	Bolts and nuts 20 mm dia 80 mm long	each	18.00
1962	Bolts and nuts 24 mm dia 85 mm long	each	28.00
1963	Bolts and nuts 24 mm dia 90 mm long	each	32.00
1964	Bolts and nuts 27 mm dia 100 mm long	each	38.00
1965	White vitreous china dual purpose closet (Anglo Indian W.C.) suitable for use as squatting pan or European type water closet as per manufacturer's specifications	each	2500.00
1966	Floor mounted white vitreous china double trap syphonic WC with 10 litre cistern and all fittings & fixtures, seat cover etc	each	9500.00
1970	Vitreous china foot rests 250x125x25 mm	pair	100.00
1980	Fly ash	cum	10.00
1984	Common burnt clay F.P.S. bricks tile class designation 10	1000 Nos	4500.00
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	5000.00
2200	Carriage of Steam coal	tonne	120.00
2201	Carriage of Bricks	1000 Nos	276.72
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	103.77
2203	Carriage of Coarse sand	cum	103.77
2204	Carriage of Timber	cum	118.59
2205	Carriage of Steel	tonne	92.24
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	112.79
2207	Carriage of Brick tiles	1000 Nos	166.03
2208	Carriage of Lime	cum	103.77
2209	Carriage of Cement	tonne	92.24
2211	Carriage of Tar / Bitumen	tonne	103.77
2215	Carriage of Soling stone & masonry stone	cum	122.08
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	92.24
2224	Carriage of S.W. pipes 100 mm dia	100 metre	138.36

Code No.	Description	Unit	Rate ₹
2225	Carriage of S.W. pipes 150 mm dia	100 metre	276.72
2226	Carriage of S.W. pipes 200 mm dia	100 metre	461.19
2228	Carriage of S.W. pipes 250 mm dia	100 metre	790.62
2229	Carriage of S.W. pipes 300 mm dia	100 metre	988.27
2241	Carriage of Good earth	cum	129.71
2242	Carriage of Dump manure by mechanical transport upto 5 km lead	cum	112.79
2260	Carriage of Brick aggregate	cum	112.79
2261	Carriage of Fine sand (1 Part badarpur sand : 2 parts jamuna sand)	cum	103.77
2262	Carriage of Flyash	cum	103.77
2264	Carriage of Rubbish	cum	103.77
2265	Carriage of Moorum	cum	103.77
2266	Carriage of Surkhi	cum	103.77
2267	Carriage of Stone dust	cum	103.77
2268	Carriage of Marble dust and/or marble chips	cum	103.77
2271	Carriage of G.I. pipes below 100 mm dia	tonne	92.24
2272	Carriage of Stainless Steel pipes below 100 mm dia	tonne	92.24
2273	Carriage of A.C.sheet and accessories	tonne	92.24
2275	Carriage of R.C.C. pipes 100 mm dia	100 metre	226.82
2281	Carriage of R.C.C. pipes 150 mm dia	100 metre	378.03
2287	Carriage of R.C.C. pipes 250 mm dia	100 metre	873.84
2290	Carriage of R.C.C. pipes 300 mm dia	100 metre	1080.08
2299	Carriage of R.C.C. pipes 450 & 500 mm dia	100 metre	2520.19
2302	Carriage of G.I. sheet and accessories	tonne	92.24
2303	Carriage of R.C.C. pipes 600,700,750 & 800 mm dia	100 metre	3780.28
2308	Carriage of Plaster of paris	tonne	92.24
2309	Carriage of Cast Iron fittings	tonne	92.24
2311	Carriage of Red bajri	cum	103.77
2314	Carriage of Barbed wire	tonne	92.24
2317	Carriage of Sludge	cum	112.79
2319	Carriage of Spun iron S & S pipes 100 mm dia	100 metre	226.82
2320	Carriage of Spun iron S & S pipes 125 mm dia	100 metre	302.97
2321	Carriage of Spun iron S & S pipes 150 mm dia	100 metre	378.03
2322	Carriage of Spun iron S & S pipes 200 mm dia	100 metre	614.93
2323	Carriage of Spun iron S & S pipes 250 mm dia	100 metre	873.84
2324	Carriage of Spun iron S & S pipes 300 mm dia	100 metre	1080.08
2325	Carriage of Spun iron S & S pipes 350 mm dia	100 metre	1512.11
2326	Carriage of Spun iron S & S pipes 400 mm dia	100 metre	2061.97
2327	Carriage of Spun iron S & S pipes 450 mm dia	100 metre	2520.19
2328	Carriage of Spun iron S & S pipes 500 mm dia	100 metre	2520.19
2329	Carriage of Spun iron S & S pipes 600mm dia	100 metre	3780.28
2330	Carriage of C.I. pipes 500 mm dia	100 metre	2520.19
2331	Carriage of R.C.C. pipes 900 mm dia	100 metre	5670.42
2332	Carriage of R.C.C. pipes 1000 mm dia	100 metre	7560.57
2333	Carriage of R.C.C. pipes 1100 mm dia	100 metre	7560.57
2334	Carriage of R.C.C. pipes 1200 mm dia	100 metre	7560.57
2335	Carriage of sand	cum	103.77
2336	Carriage of R.C.C. pipe above 1200 mm dia and upto 1800 mm dia	100 metre	7560.57
2341	Carriage of Pig lead	tonne	92.24

Code No.	Description	Unit	Rate ₹
2342	Carriage of Solvent / Diesel.	quintal	10.38
2343	Carriage of Ductile Iron pipes (k7) 100 mm dia	100 metre	226.82
2344	Carriage of Cast iron pipes 150 mm dia	100 metre	378.03
2345	Carriage of Cast iron pipes 200 mm dia	100 metre	614.93
2346	Carriage of Cast iron pipes 250 mm dia	100 metre	873.84
2347	Carriage of Cast iron pipes 300 mm dia	100 metre	1080.08
2348	Carriage of Cast iron pipes 350 mm dia	100 metre	1512.11
2349	Carriage of Cast iron pipes 400 mm dia	100 metre	2061.97
2350	Carriage of Cast iron pipes 450 mm dia	100 metre	2520.19
2351	Carriage of Cast iron pipes 500 mm dia	100 metre	2520.19
2352	Carriage of Cast iron pipes 600 mm dia	100 metre	3780.28
2353	Carriage of Cast iron pipes 700 mm dia	100 metre	3780.28
2355	Carriage of Cast iron pipes 800 mm dia	100 metre	3780.28
2356	Carriage of Cast iron pipes 900 mm dia	100 metre	5670.42
2357	Carriage of Cast iron pipes 1000 mm dia	100 metre	7560.57
2358	Carriage of Bamboo Mat corrugated sheets and accessories	tonne	11500.00
2391	Strips-Aluminium fluted 3.15 mm thick and 150 mm wide	metre	278.00
2392	Strips Aluminium fluted 3.15 mm thick and 200 mm wide	metre	370.00
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	275.00
2394	Coupler 16 mm dia	each	30.00
2395	Coupler 20 mm dia	each	39.00
2396	Coupler 25 mm dia	each	69.50
2397	Coupler 28 mm dia	each	80.00
2398	Coupler 32 mm dia	each	110.00
2399	Complete Roof Joint of 100 mm	metre	2800.00
2400	Complete Roof Joint of 150 mm	metre	3200.00
2401	Complete Roof Joint of 200 mm	metre	4000.00
2402	Epoxy adhesive	kg	150.00
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 10 kg/sqm)	sqm	300.00
2407	Float glass panes of nominal thickness 5 mm (weight not less than 12.50 kg/sqm)	sqm	500.00
2408	Float glass panes of nominal thickness 8 mm (weight not less than 20.00 kg/sqm)	sqm	610.00
2409	Wall Joint of 100 mm	metre	2400.00
2410	Wall Joint of 150 mm	metre	2800.00
2411	Wall Joint of 200 mm	metre	3400.00
2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	300.00
2413	12 mm commercial ply	sqm	500.00
2414	18 mm thick block board with commercial ply veneering on both side	sqm	760.00
2415	21mm thick clear toughened Laminated glass for fins with holes	sqm	6000.00
2447	Hollock ballies 125 mm diameter	metre	35.00
2449	Oxidised mild steel pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	60.00
2451	Brass cupboard lock 6 levers of approved quality, 40 mm size	each	55.00
2452	Brass cupboard lock 6 levers of approved quality, 50 mm size	each	85.00

Code No.	Description	Unit	Rate ₹
2453	Brass cupboard lock 6 levers of approved quality, 65 mm size	each	90.00
2454	Brass cupboard lock 6 levers of approved quality, 75 mm size	each	105.00
2455	Brass hanging type door stopper 150 mm	each	75.00
2456	Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete	each	673.00
2459	Anodised Aluminium hanging type door stopper	each	19.00
2464	Anodised Aluminium pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	46.00
2465	Anodised Aluminium Casement stay 250 mm	each	32.00
2466	Hollock wood in scantling	10 cudm	350.00
2467	Chromium plated Brass pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	165.00
2468	Nickled Chromium Brass cupboard lock 40 mm size	each	60.00
2469	Nickled Chromium Brass cupboard lock 50 mm size	each	70.00
2470	Nickled Chromium Brass cupboard lock 65 mm size	each	95.00
2471	Nickled Chromium Brass cupboard lock 75 mm size	each	120.00
2480	Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	850.00
2481	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	870.00
2483	Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	950.00
2484	Pre-laminated with decorative lamination on both side exterior Grade-I MDF Board 12 mm thick confirming to IS:14587	sqm	460.00
2485	Pre-laminated with decorative lamination on both side exterior Grade-I MDF Board 18 mm thick confirming to IS:14587	sqm	597.00
2486	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 25 mm thick confirming to IS: 14587	sqm	860.00
2487	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 12 mm thick confirming to IS:14587	sqm	430.00
2488	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 18 mm thick confirming to IS:14587	sqm	565.00
2489	PVC edge bending tape 2.00 mm thick	metre	20.00
2491	Pre laminated both side solid foam uPVC profile (45x20mm)	metre	130.00
2492	Solid foam uPVC sheet 20mm thick pre laminated on both side	sqm	2090.00
2493	PVC edge beading	metre	31.00
2494	Expandable fastner with plastic sleeve	each	5.00
2500	Extra for selected planks of second class deodar wood	10 cudm	110.00
2504	Kiln seasoning of timber	cum	750.00
2505	Hollock wood in planks	10 cudm	390.00
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 sleeve. Size 10mm x 60 mm	10 Nos	260.00
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 sleeve. Size 10mm x 80 mm	10 Nos	300.00

Code No.	Description	Unit	Rate ₹
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 sleeve. Size 10 mm x 120 mm	10 Nos	365.00
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 sleeve. Size 10mm x 140 mm	10 Nos	450.00
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 sleeve. Size 10mm x 160 mm	10 Nos	575.00
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	4500.00
2603	Common burnt clay F.P.S. (non modular) bricks class designation 5.0	1000 Nos	4000.00
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	30.00
2606	Spacer tape 6.4 mm thick x 6 mm wide	metre	20.00
2607	Weather Sealant - Non Staining (600 ml)	each	325.00
2608	Weather Sealant - Normal (300 ml)	each	98.00
2609	MS Brackets/Aluminium Alloy Brackets	kg	100.00
2610	Silicon Gasket in Kg (Above 50 g / m)	kg	465.00
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	150.00
2612	Anchor Fastner - M10	each	10.00
2613	SS Bolt with washer of different sizes for structural glazing / ACP Cladding	each	35.00
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	3.00
2615	Protective Tape	metre	20.00
2616	GI flashing - 1.2 mm Thick	kg	59.00
2617	6 mm thick High performance glass	sqm	1000.00
2618	6 mm thick clear heat strengthened glass	sqm	650.00
2619	6 mm thick clear heat strengthened glass	each	128.00
2620	ARMS GS HD - Top Hung -20"- Type P- Couple	pair	1350.00
2621	Connection Block for vision glass panel	each	35.00
2622	Curtain wall striker for vision glass panel	each	85.00
2623	Adjustable Fastening Pawl for vision glass panel	each	35.00
2624	Corner drive for vision glass panel	each	255.00
2625	Top wedge Block for vision glass panel	each	120.00
2626	Glass wool of denisity @ 48 Kg / cum with black glass tissue (BGT)	sqm	250.00
2627	SS Screws - # 8 x 19	each	6.00
2628	Weather Sealant - DC 789	cartridge	120.00
2629	Cement Board	sqm	235.00
2630	Baker rod	metre	5.00
2631	4 mm thick ACP	sqm	1100.00
2632	Fire Stop	metre	480.00
2634	GI/Aluminium Sheet (0.8 mm thick)	kg	55.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section	each	3.00

Code No.	Description	Unit	Rate ₹
2636	GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section	each	3.00
2637	Vapour barrier	sqm	175.00
2640	Glass panes of required thickness having 120 minutes of fire resistance both integrity and radiation control (EI 120) and minimum 20 minutes of insulation (EI 20)	sqm	25000.00
2641	G.I U beading of 1.6 mm thick G.I sheet with ceramic tape.	metre	245.00
2642	Ceramic tape 5 x20 mm size	metre	410.00
2704	Aluminium Strip 40 mm wide and 2 mm thick	kg	240.00
2708	Truf Paver (500 x 500 x 40 mm)	sqm	500.00
2709	Ceremic Tiles Pieces for Crazy Flooring	quintal	135.00
2710	White marble makrana second quality plain veined stone pieces for crazy flooring	quintal	150.00
2711	FS800H Grade Flooring Panel (Size 600 mm x600 mm x32 mm)	each	750.00
2712	Zinc Electroplated Pedestals - 300 mm	each	140.00
2713	Zinc Electroplated Pedestals - 450 mm	each	200.00
2714	Zinc Electroplated Tube Stinger	each	66.00
2715	Machine Screw for Fixing	each	2.00
2750	8 mm thick granite stone tiles (mirror polished of all shades)	sqm	700.00
2751	8 mm thick marble tiles (polished) Raj Nagar	sqm	400.00
2901	Stone Aggregate (Single size): 100 mm nominal size	cum	1350.00
2902	Stone Aggregate (Single size): 80 mm nominal size	cum	1350.00
2903	Stone chippings/ screenings 4.75 mm nominal size	cum	1400.00
2904	Stone chippings/ screenings 150 micron nominal size	cum	1400.00
2908	Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size	cum	500.00
2909	Over burnt (Jhama) Brick Aggregate: 90 mm to 40 mm size	cum	480.00
2910	Stone chippings/ screenings 12.5/ 13.2 mm nominal size	cum	1150.00
2911	Stone chippings/ screenings 10/ 11.2 mm nominal size	cum	1150.00
2914	Solvent	kg	25.00
2916	Paving Asphalt VG 10 of approved quality	tonne	24000.00
3002	Polyvinyl chloride sheet 400 micron thick	sqm	40.00
3004	Stone ware spouts 100 mm dia 60 cm long	each	40.00
3050	Galvanised steel corrugated sheets	quintal	5600.00
3080	Gunmetal non-return valve - vertical (screwed end) 25 mm dia	each	350.00
3084	Gunmetal non-return valve - vertical (screwed end) 32 mm dia	each	500.00
3088	Gunmetal non-return valve - vertical (screwed end) 40 mm dia	each	700.00
3092	Gunmetal non-return valve - vertical (screwed end) 50 mm dia	each	900.00
3096	Gunmetal non-return valve - vertical (screwed end) 65 mm dia	each	1500.00
3213	Vitreous china Surgeon type wash basin of size 660x460 mm	each	1000.00
3228	600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size	each	250.00
3229	Vitreous china flat back wash basin 550x400 mm	each	545.00
3300	Gunmetal non-return valve - vertical (screwed end) 80 mm dia	each	2500.00
3311	C.I. sluice valve (with caps) class II : 100 mm dia	each	2700.00
3314	C.I. sluice valve (with caps) class II : 125 mm dia	each	3200.00
3317	C.I. sluice valve (with caps) class II : 150 mm dia	each	4000.00
3320	C.I. sluice valve (with caps) class II : 200 mm dia	each	8900.00
3321	C.I. sluice valve (with caps) class II : 250 mm dia	each	14500.00
3326	C.I. sluice valve (with caps) class II : 300 mm dia	each	18200.00
3327	15 mm Battery Based Sensor Pillar Cock	each	5800.00

Code No.	Description	Unit	Rate ₹
3617	C.P. Brass union 40mm dia	each	200.00
3620	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long: 100 mm dia	each	1200.00
3621	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long: 75 mm dia	each	1100.00
3624	S.C.I. S&S bends with access door 100 mm dia	each	300.00
3625	S.C.I. S&S bends with access door 75 mm dia	each	250.00
3628	S.C.I. S&S bend 100 mm dia	each	265.00
3629	S.C.I. S&S bend 75 mm dia	each	195.00
3634	S.C.I. S&S heel rest sanitary bend 100 mm dia	each	296.00
3635	S.C.I. S&S heel rest sanitary bend 75 mm dia	each	250.00
3640	S.C.I. S&S single equal junctions 100x100x100 mm	each	472.00
3641	S.C.I. S&S single equal junctions 75x75x75 mm	each	330.00
3644	S.C.I. S&S single equal junctions with access door 100x100x 100 mm	each	495.00
3645	S.C.I. S&S single equal junctions with access door 75x75x75 mm	each	373.00
3650	S.C.I. S&S double equal junctions 100x100x100x100 mm	each	620.00
3651	S.C.I. S&S double equal junctions 75x75x75x75 mm	each	462.00
3654	S.C.I. S&S double equal junctions with access door 100x100x100x 100 mm	each	615.00
3655	S.C.I. S&S double equal junctions with access door 75x75x75x75 mm	each	480.00
3660	S.C.I. S&S single unequal junctions 100x100x75 mm	each	570.00
3664	S.C.I. S&S single unequal junctions with access door 100x100x75 mm	each	640.00
3670	S.C.I. S&S double unequal junctions 100x100x75x75 mm	each	800.00
3674	S.C.I. S&S double unequal junctions with access door 100x100x75x 75 mm	each	850.00
3681	S.C.I. S&S single equal invert branch of required degree 100x100x 100 mm dia	each	425.00
3682	S.C.I. S&S single equal invert branch of required degree 75x75x 75 mm dia	each	323.00
3685	S.C.I. S&S double equal invert branch of required degree 100x100x 100x100 mm dia	each	530.00
3686	S.C.I. S&S double equal invert branch of required degree 75x75x75x 75 mm dia	each	425.00
3690	S.C.I. S&S single unequal invert branch of required degree 100x100x 75 mm dia	each	545.00
3695	S.C.I. S&S double unequal invert branch of required degree 100x100x 75x75 mm dia	each	725.00
3699	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	225.00
3707	S.C.I. S&S, 150 mm offset for 75 mm dia pipe	each	285.00
3708	S.C.I. S&S, 150 mm offset for 100 mm dia pipe	each	390.00
3712	S.C.I. S&S, 114 mm offset for 75 mm dia pipe	each	300.00
3713	S.C.I. S&S, 114 mm offset for 100 mm dia pipe	each	383.00
3716	S.C.I. S&S, 152 mm offset for 75 mm dia pipe	each	358.00
3717	S.C.I. S&S, 152 mm offset for 100 mm dia pipe	each	455.00
3728	S.C.I. S&S door pieces 100 mm dia	each	400.00
3729	S.C.I. S&S door pieces 75 mm dia	each	295.00
3733	S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm	each	264.00
3734	S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm	each	210.00
3738	S.C.I. S&S, collars 100 mm	each	279.00
3739	S.C.I. S&S, collars 75 mm	each	170.00
3746	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	218.00

Code No.	Description	Unit	Rate ₹
3747	S.C.I. S&S, 75 mm offset for 100 mm dia pipe	each	363.00
3749	Vitreous china toilet paper holder of standard size	each	100.00
3860	560 mm dia cover with frame (Heavy duty)	each	9000.00
3861	560 mm dia cover without frame (Heavy duty)	each	5000.00
3991	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window/door frame, sash, mullion & small series sliding window frame	metre	66.00
3992	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window/door frame, sash, mullion, big & small series sliding window frame	metre	71.00
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash	metre	97.00
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window / door sash	metre	86.00
3995	G.I fasteners 100 x 8 mm	each	14.00
4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	220.00
4002	Stainless steel bolts/square bar and plates	kg	115.00
4006	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "B"	metre	190.00
4007	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "C"	metre	210.00
4008	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "E"	metre	240.00
4009	Mild steel tubes hot finished welded type	kg	57.00
4010	Mild steel tubes hot finished seamless type	kg	67.00
4011	Mild steel tubes electric resistant or induction butt welded	kg	47.00
4012	Circular C.I. Box for ceiling fan internal dia 140 mm, 73 mm height, toplid of 1.5mm thick MS sheet	each	52.00
4013	Pulley 40 mm dia	each	30.00
4201	Aluminium primer	litre	110.00
4202	Red oxide Zinc chromate primer	litre	110.00
4203	Copper acetate	kg	285.00
4204	Hydrochloric acid	kg	33.00
4205	Copper chloride	kg	270.00
4206	Copper nitrate	kg	210.00
4207	Ammonium chloride	kg	20.00
5001	Mobil oil	litre	315.00
5050	SS pipe 304 grades with press fit technology as per JIS 3448 Standard 48.60 mm outer dia	metre	650.00
5743	Coloured inter locking C.C. paver Block	sqm	480.00
6001	White marble slab Makrana second quality plain veined 18 mm thick	sqm	1430.00
6007	Pink marble slab plain 18 mm thick	sqm	645.00
6010	Udaypur green marble slab plain 18 mm thick	sqm	620.00
6019	Black Zebra marble slab plain 18 mm thick	sqm	900.00
6501	Sand zone V (Jamuna)	cum	1225.00
7001	Brass 100mm mortice latch and lock with 6 levers without pair of handles	each	210.00
7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	each	215.00
7004	Vitreous china flat back wash basin 450x300 mm	each	310.00
7005	Vitreous china 10 litres low level cistern without fittings	each	715.00
7006	Vitreous china 10 litres low level cistern with fittings	each	1240.00
7008	F.P.S. (non modular) clay fly ash bricks class designation 7.5	1000 Nos	4800.00
7009	12.5 mm thick tapered edge plain Gypsum plaster borad Confirming to IS 2095 (Part- I) : 2011	sqm	155.00

Code No.	Description	Unit	Rate ₹
7010	Galvanised Steel ceiling section (size 80x26x0.50 mm)	metre	46.00
7011	Galvanised Steel perimeter Channel (Size 20x27x30x0.50 mm)	metre	22.00
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90 mm)	metre	38.00
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50 mm)	metre	12.00
7014	Galvanised Steel connecting clips (2.64 mm dia and 230 mm long GI wire)	each	4.00
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60 mm)	each	3.00
7016	Joint filler	kg	26.00
7017	Joint finisher	kg	23.00
7018	Joint tape roll	roll	100.00
7019	Dash fastener / Chemical fastener	each	14.00
7020	All drive screws (for gypsum board)	100 Nos	58.00
7021	Primer (for gypsum board)	litre	85.00
7022	Chlorpyriphos 20% E.C. / Lindane 20% E.C.	litre	150.00
7023	Chromium plated brackets (curtain rods)	each	7.00
7024	Acid Proof cement	tonne	7800.00
7025	Self tapping pan head nickel coated mild steel screws of size 13 x 3.2 mm	1000 Nos	525.00
7026	Fibre joint tape 50 mm wide (90 metre) roll	each roll	165.00
7027	M.S. Butt hinges 125x90x4 mm	10 Nos	105.00
7028	12.5 mm thick Fully Perforated gypsum board	sqm	410.00
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	sqm	250.00
7031	12.5 mm thick tapered edge moisture resistant plain Gypsum plaster board confirming to IS 2095 (Part- I) : 2011	sqm	275.00
7032	Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	460.00
7033	Nickel plated M.S. pipe 25 mm dia	metre	76.00
7034	Nickel plated M.S. pipe 20 mm dia	metre	72.00
7035	Nickel plated M.S. Brackets for curtain rod 20 mm	each	7.00
7036	Nickel plated M.S - Brackets for curtain rod 25 mm	each	8.00
7040	Oxidised mild steel screws 35 mm	100 Nos	48.00
7042	Mild steel conduit pipe (heavy type) ISI marked-20 mm dia	metre	42.00
7043	Mild steel conduit pipe (heavy type) ISI marked-25 mm dia	metre	54.00
7044	Rolling shutters of 80x0.90 mm laths	sqm	1300.00
7045	Rolling shutters of 80x1.2 mm laths	sqm	1375.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	450.00
7047	Top cover of Rolling shutters 1.20 mm thick	metre	560.00
7048	Rawl plug 50 mm (designation 10 nos)	each	25.00
7049	Teak wood lipping of size 25x3 mm in pelmets	metre	14.00
7050	PU Primer	sqm	60.00
7051	40 mm (average) PU spray having 40-45 kg/m3 density	sqm	400.00
7052	GI wire netting 3/4" x 24 G	sqm	26.00
7053	400 G polythene sheet	sqm	14.00
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	480.00
7056	Aluminium tee channel (heavy duty) with rollers and stop end	metre	100.00
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	40.00
7060	Hydraulic door closer tubular type Aluminium section body	each	560.00

Code No.	Description	Unit	Rate ₹
7063	Oxidised M.S.casement stay (straight peg type) 300 mm not less than 0.33 kg	each	35.00
7064	Oxidised M.S.casement stay (straight peg type) 250 mm not less than 0.28 kg	each	30.00
7065	Oxidised M.S. casement stay (straight peg type) 200 mm not less than 0.24 kg	each	25.00
7068	Extra for providing grilled rolling shutters with 8 mm dia M.S. rod	sqm	500.00
7070	Chequered precast cement concrete tiles 22 mm thick using marble chips of size 6mm - Light shade using white cement	sqm	400.00
7071	White marble Raj Nagar plain 18 mm thick upto 0.50 sqm area	sqm	600.00
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/ 6litre 9adjustibla to 4 litre/8litre)	each	1900.00
7074	White Vetrious China Waterless Urinal of size 600x330x315 mm	each	9650.00
7075	Cistern with fittings for Waterless Urinal	each	2290.00
7076	Battery based infrared sensor operated white Vitreous Urinal of aprox. size 610x390x370 mm	each	4500.00
7077	Acid and alkali resistant tiles 300x300 mm size, 10 mm thick	10 Nos	520.00
7087	S.C.I. Tee 150 mm	each	570.00
7090	Expanded polystyrene type N- Normal 50 mm thick	sqm	125.00
7091	Expanded polystyrene type - SE 50 mm thick	sqm	150.00
7095	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 250 mm	each	2480.00
7096	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm	each	3000.00
7097	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 200 mm	each	2800.00
7098	Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 178 mm	each	2500.00
7101	Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm	each	1800.00
7102	Stainless steel kitchen sink - without drain board 610x460 mm bowl depth 200 mm	each	1200.00
7103	Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm	each	1050.00
7104	Coloured Orissa pattern W.C. pan 580x440 mm	each	1830.00
7105	Coloured Pedestal type W.C. pan 580x440 mm (European type)	each	860.00
7106	Coloured Vitreous china 10 lit. low level cistern	each	1050.00
7107	Coloured (other than black) solid P.V.C. seat in European W.C. pan	each	390.00
7112	Circular shape 450 mm dia Mirror with Plastic moulded frame	each	430.00
7113	Rectangular shape 453x357 mm Mirror with Plastic moulded frame	each	290.00
7114	Oval shape 450x350 mm (outer dimensions) Mirror with Plastic moulded frame	each	340.00
7115	Rectangular shape 1500x450 mm Mirror with Plastic moulded frame	each	670.00
7116	Hard board 6 mm thick	sqm	115.00
7117	Semi Rigid PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings	each	25.00
7118	Semi Rigid PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings	each	33.00
7119	Flexible (coil shaped) PVC waste pipe for sink and wash basin 32mm dia with length not less than 700 mm i/c PVC waste fittings	each	35.00
7120	Flexible (coil shaped) PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings	each	35.00

Code No.	Description	Unit	Rate ₹
7121	Bottle Trap	each	620.00
7122	CP Brass Single lever telephonic wall mixer of approved make	each	4500.00
7123	Coloured High density polyethylene / poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings	each	550.00
7126	White Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	700.00
7127	Coloured Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	1150.00
7128	S.W. intercepting trap 100 mm dia	each	185.00
7129	S.W. intercepting trap 150 mm dia	each	240.00
7130	Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 2.5	each	675.00
7131	Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 2.5	each	575.00
7132	Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 2.5	each	575.00
7133	Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10	each	670.00
7134	Circular shape 500 mm dia precast R.C.C. manhole cover with frame- M.D.-10	each	575.00
7135	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20	each	880.00
7136	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - E.H.D. - 35	each	1170.00
7137	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of 12 mm thick plain type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	1620.00
7139	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of 12 mm thick both sides prelaminated type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	1720.00
7143	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of 12 mm thick one side prelaminated type-I, and other side balancing lamination, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	1910.00
7151	Factory made 30 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of sheet glass using 10 kg/ sqm glass panes	sqm	1620.00
7154	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm	sqm	1620.00
7155	Factory made 30 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm	sqm	1430.00
7157	Laminated veneer lumber confirming to TADS 15:1995 manufactured in factory in frames of doors, windows	10 cudm	700.00

Code No.	Description	Unit	Rate ₹
7178	Chemical ASTM C-type I	kg	105.00
7181	C.I. pile shoe	kg	48.00
7182	M.S. clamps for pile shoe of 35 kg per pile	kg	43.00
7183	Bentonite of 35 kg per pile	tonne	2960.00
7184	Oxidised M.S. safety chain (weighing not less than 450 gms) for door	each	57.00
7187	C.I. grating 150 mm dia, weighing not less than 440 gm	each	27.00
7188	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 75 mm dia	metre	70.00
7189	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 110 mm dia	metre	130.00
7190	U-PVC pipes (working pressure 4 kg / cm ²) Rubber (Seal) Ring 75 mm dia	each	8.00
7191	U-PVC pipes (working pressure 4 kg / cm ²) Rubber (Seal) Ring 110 mm dia	each	11.00
7192	uPVC coupler for UPVC drainage pipes 75 mm	each	18.00
7193	uPVC coupler for UPVC drainage pipes 110 mm	each	39.00
7194	uPVC pushfit coupler (single) 75 mm thick	each	18.00
7195	uPVC pushfit coupler (single) 110 mm thick	each	32.00
7196	uPVC single equal Tee (without door) 75x75x75 mm	each	46.00
7197	uPVC single equal Tee (without door) 110x110x110 mm	each	81.00
7198	uPVC single equal Tee (with door) 75x75x75 mm	each	59.00
7199	uPVC single equal Tee (with door) 110x110x110 mm	each	92.00
7208	UPVC bend 87.5° 75 mm bend	each	35.00
7209	UPVC bend 87.5° 110 mm bend	each	59.00
7212	UPVC plain shoe 75 mm bend	each	27.00
7213	UPVC plain shoe 110 mm bend	each	47.00
7214	UPVC pipe clip 75 mm bend	each	15.00
7215	UPVC pipe clip 110 mm bend	each	14.00
7231	Resin Bonded Glass wool 16 kg/m ³ : 50 mm thick	sqm	100.00
7232	Resin Bonded Glass wool 24 kg/m ³ : 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 Dark shade using ordinary cement	sqm	225.00
7237	Precast chequered cement tiles 22 mm thick medium shade using 50% white cement 50% ordinary cement	sqm	335.00
7238	High Albedo paint	kg	230.00
7239	Epoxy paint	litre	230.00
7240	Fire retardant paint	litre	260.00
7241	Melamine polish	litre	280.00
7244	Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick	sqm	1620.00
7245	Table rubbed polished stone 18mm thick (75x50cm) Granite stone- 18 mm thick	sqm	1620.00
7246	Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification and up to 50 tonne capacity pile	per test	40000.00
7247	Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & above 50 tonne and up to 100 tonne	per test	45000.00

Code No.	Description	Unit	Rate ₹
7248	Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & group of two or more up to 50 tonne	per test	50000.00
7249	Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Single pile up to 50 tonne capacity	per test	15000.00
7250	Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Single pile above 50 tonne capacity pile and up to 100 tonne capacity pile	per test	23000.00
7251	Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Group of two piles up to 50 tonne capacity each	per test	29500.00
7252	Lateral load testing of single pile in accordance with IS : 2911 part -IV for determining safe allowable lateral load on pile up to 50 tonne capacity	per test	15000.00
7253	Lateral load testing of single pile in accordance with IS : 2911 part -IV for determining safe allowable lateral load on pile above 50 tonne capacity	per test	23600.00
7254	Hardening compound	litre	38.00
7255	Road marking paint (spirit based)	litre	115.00
7256	Superior quality road marking paint (water based)	litre	135.00
7257	C.P. Brass bibcock 15 mm	each	290.00
7258	C.P. Brass long nose bibcock 15 mm	each	430.00
7259	C.P. Brass long body bibcock 15 mm	each	385.00
7260	C.P. Brass stop cock (concealed) 15 mm	each	430.00
7261	C.P. Brass angle valve 15 mm	each	375.00
7266	Pressed clay tiles 20mm thick 250x250 mm size	1000 Nos	8600.00
7267	Plain ceiling tiles (BWP type phenol formaldehyde synthetic resin bonded) (600x600x12 mm)	each	115.00
7268	Semi perforated ceiling tiles (600x600x12 mm)	each	107.00
7269	25 mm thick particle board	sqm	460.00
7270	30 mm thick prelaminated flush door shutter	sqm	810.00
7271	Second class teak wood lipping 25 mm wide x 12 mm thick	metre	29.00
7272	25 mm thick melamine faced prelaminated three layer particle board	sqm	900.00
7273	Resin Bonded Rockwool 48 kg/m3	sqm	120.00
7274	Glass wool 50 mm thick	sqm	238.00
7280	Waste plastic additive	tonne	40000.00
7281	Chemical ASTM C-type II	kg	165.00
7295	Granite of any colour, 18 mm thick (slab area upto 0.50 sqm)	sqm	1600.00
7296	Granite of any colour, 30 mm thick (slab area upto 0.50 sqm)	sqm	1800.00
7297	Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	1800.00
7306	Aluminium T or L sections	kg	190.00
7307	For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering	sqm	330.00
7309	Paving Asphalt of grade VG-30 of approved quality	tonne	39570.00
7312	Expandable fastener with plastic sleeve and M.S. screws : 25 mm long	each	10.00
7313	Expandable fastener with plastic sleeve and M.S. screws : 32 mm long	each	10.00
7314	Expandable fastener with plastic sleeve and M.S. screws : 40 mm long	each	13.00
7315	Expandable fastener with plastic sleeve and M.S. screws. 50 mm long	each	14.00

Code No.	Description	Unit	Rate ₹
7318	Plasticizer / super plasticizer	kg	36.00
7319	Wall form panel 1250x500 mm	each	860.00
7320	Tie bolt 12 mm dia 100 mm length	each	38.00
7321	Tie bolt 12 mm dia 150 mm length	each	48.00
7322	Tie bolt 20 mm dia 150 mm length	each	57.00
7323	Tie bolt 20 mm dia 225 mm length	each	67.00
7324	Spring coil 12 mm	each	15.00
7325	Plastic cone 12 mm dia	each	17.00
7326	Corner angle 45x45x5 mm 1.50 m long	each	240.00
7327	100 mm channel shoulder 2.5 m long	each	910.00
7328	Double clip (bridge clip)	each	76.00
7329	Single clip	each	59.00
7330	M.S. tube 40 mm dia	metre	215.00
7331	Wall form panel 1250x450 mm	each	860.00
7332	Corner angle 45x45x5 mm 2.50 m long	each	255.00
7333	Column clamp 450x1070 mm	each	965.00
7334	Prop 2 m (2-3.5 m)	each	635.00
7335	Binding wire	kg	46.00
7336	Lock Bar (E 250) - 10 thick MS Plate	kg	76.00
7338	Gun metal cramp	kg	315.00
7339	Stainless steel cramp	kg	290.00
7340	Stainless steel pin	kg	182.00
7342	Adjustable span ESO+SI (2.35-3.40)	each	1480.00
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	955.00
7344	Beam clamp 300-380 mm (450-1070 mm)	each set	355.00
7345	Prop 4 m	each	910.00
7346	Double coupler	each	46.00
7347	Cadmium plated full threaded steel screws (30x4 mm dia)	100 Nos	27.00
7348	Aluminium washer 2 mm thick 15 mm dia	100 Nos	10.00
7349	12 mm M.S. 'U' beading	metre	14.00
7354	Plastic encapsulated M.S. foot rest 30x20x15 cm	each	110.00
7358	Flushing Cistern P.V.C. 10 litre capacity (low level) (White) (with fittings, accessories and flush pipe)	each	575.00
7359	P.V.C. automatic flushing cistern 5 litre capacity	each	470.00
7361	P.V.C. automatic flushing cistern 10 litre capacity	each	510.00
7363	15 mm C.P. brass tap with elbow operation lever	each	430.00
7364	White glazed fire clay draining board 600x450x25 mm	each	525.00
7366	Glass reinforced Gypsum (GRG) plaster board 12.5 mm thick confirming to IS 2095 (Part- 3) : 1996	sqm	240.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm	metre	57.00
7368	GFRG Panel of 124 mm thick	sqm	847.46
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm	metre	71.00
7375	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal	each	445.00
7376	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of two lipped urinals	each	765.00
7377	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of three lipped urinals	each	1050.00
7378	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of four lipped urinals	each	1430.00

Code No.	Description	Unit	Rate ₹
7379	White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS:2556	each	865.00
7380	Precast R.C.C. grating with frame 500x450 mm horizontal grating	each	620.00
7381	Precast R.C.C. grating with frame 450x100 mm vertical grating	each	235.00
7382	Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887	tonne	19000.00
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	43.00
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	11.00
7389	Anodising 15 microns on aluminium sections	kg	38.00
7390	EPDM Gasket for uPVC window/door	metre	19.00
7391	Anodising 25 microns on aluminium sections	kg	48.00
7392	Powder coating 50 microns on aluminium sections	kg	61.00
7393	Polyester powder coating 50 microns on aluminium sections	kg	67.00
7394	Double action hydraulic floor spring with stainless steel cover plate	each	1500.00
7395	6 mm dia G.I. adjustable hangers including clips (up to 1.2 m length)	each	20.00
7396	Double action hydraulic floor spring with brass cover plate	each	1620.00
7397	Base Jack	each	145.00
7398	Challies	each	765.00
7399	Cup locks	each	48.00
7400	15 mm PTMT bib cock	each	71.00
7401	15 mm PTMT bib cock with flange (fancy)	each	105.00
7402	15 mm PTMT bib cock long body with flange	each	116.00
7403	15 mm dia PTMT stop cock (male thread)	each	71.00
7405	20 mm dia PTMT stop cock	each	97.00
7406	PTMT pillar cock	each	125.00
7407	PTMT push cock 15 mm dia	each	62.00
7408	PTMT push cock 12 mm dia 20 mm BSP	each	57.00
7409	PTMT grating 100 mm dia	each	20.00
7410	PTMT Pillar cock (fancy) 15 mm foam flow	each	138.00
7411	125 mm grating with waste hole	each	30.00
7412	Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm)	each	118.00
7415	Double acting air valve 50 mm	each	3715.00
7416	Double acting air valve 80 mm	each	4525.00
7417	Double acting air valve 100 mm	each	5910.00
7418	Water meter (including testing charges) 80 mm	each	2030.00
7419	Water meter (including testing charges) 100 mm	each	3143.00
7420	Water meter (including testing charges) 150 mm	each	4765.00
7421	Water meter (including testing charges) 200 mm	each	5145.00
7422	Dirt box strainer 80 mm	each	2680.00
7423	Dirt box strainer 100 mm	each	4370.00
7424	Dirt box strainer 150 mm	each	5540.00
7425	Dirt box strainer 200 mm	each	7860.00
7426	Cat's eye	each	100.00
7427	Water stops Serrated with central bulb (225 mm wide, 8-11 mm thick)	metre	200.00
7428	Water stops Dumb bell with central bulb	metre	160.00
7429	Kickers	metre	185.00

Code No.	Description	Unit	Rate ₹
7430	Wedge expansion hold fastener 1/4" or 6 mm	each	11.00
7431	Wedge expansion hold fastener 3/8" or 10 mm	each	11.00
7432	Wedge expansion hold fastener 1/2" or 12 mm	each	27.00
7439	8mm thick (mirror polished tiles machine cut edge) Raj Nagar white	sqm	500.00
7442	Wheel 75 mm dia. 40 mm wide	each	62.00
7443	Aluminium single cleat of size 30x32x3 mm	each	14.00
7444	Aluminium grip strip of size 50x12x2 mm	each	11.00
7445	25 mm thick prelaminated flush door shutter both side decorative	sqm	800.00
7449	Aluminium U beading	kg	210.00
7451	Glass sheet (Pin headed) 4 mm thick	sqm	305.00
7452	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	575.00
7453	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	690.00
7466	Second class deodar teak wood lipping 30 mm wide x 12 mm thick	metre	24.00
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	500.00
7477	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade i, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	540.00
7478	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	650.00
7479	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	900.00
7480	Prelaminated particle board with both sides decorative lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	575.00
7485	Oxidised M. S. hinges finished with nickel plating 50 mm (Over all width)	metre	40.00
7486	Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width)	metre	52.00
7491	PTMT - Waste Coupling 31/32 mm	each	34.00
7492	PTMT - Waste Coupling 38/40 mm	each	48.00
7493	PTMT - Bottle Trap 31/32 mm	each	210.00
7494	PTMT - Bottle Trap 38/40 mm	each	220.00
7495	PTMT Ball Cock 15mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	100.00
7496	PTMT Ball Cock 20mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	135.00
7497	PTMT Ball Cock 25mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	290.00
7498	PTMT Ball Cock 40mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	480.00
7499	PTMT Ball Cock 50mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	870.00
7500	PTMT Angle Stop cock with Flange 15 mm	each	100.00
7501	PTMT Swiveling shower 15 mm	each	70.00
7503	PTMT Liquid Soap Container of 400 ml capacity	each	105.00
7504	PTMT - Towel Ring 215x200x37 mm	each	130.00
7505	PTMT - Towel Rail (450 mm long)	each	135.00
7506	PTMT - Towel Rail (600 mm long)	each	165.00

Code No.	Description	Unit	Rate ₹
7507	PTMT Shelf 450x124x36 mm	each	200.00
7508	PTMT - Urinal Spreader 15 mm	each	76.00
7509	PTMT Soap Dish/Holder 138x102x75 mm	each	84.00
7512	PTMT handle 125x34x24 mm	each	24.00
7513	PTMT handle 150x34x24 mm	each	24.00
7514	PTMT butt hinges 75x60x10 mm	each	33.00
7515	PTMT butt hinges 100x75x10 mm	each	43.00
7516	PTMT Tower bolt 152x42x18 mm	each	48.00
7517	PTMT Tower bolt 202x42x18 mm	each	67.00
7518	PTMT door catcher 72x42 mm	each	24.00
7552	Coir veneered board 4 mm thick	sqm	290.00
7553	Coir veneered board 6 mm thick	sqm	385.00
7555	Coir veneered board 12 mm thick	sqm	670.00
7556	Coir veneered board 18 mm thick	sqm	1000.00
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 per IS 15905 - 75x75x75 mm dia	each	260.00
7634	Hubless centrifugally cast (spun) iron single unequal plain invert branch 45 degree as per IS 15905 - 100x100x75 mm dia	each	430.00
7635	Hubless centrifugally cast (spun) iron 65 mm offset with 100 mm dia pipe as per IS 15905	each	360.00
7636	Hubless centrifugally cast (spun) iron 65 mm offset with 75 mm dia pipe as per IS 15905	each	295.00
7637	Hubless centrifugally cast (spun) iron 130 mm offset with 100 mm dia pipe as per IS 15905	each	440.00
7638	Hubless centrifugally cast (spun) iron 130 mm offset with 75 mm dia pipe as per IS 15905	each	310.00
7639	Hubless centrifugally cast (spun) iron bend with access door - 100mm dia as per IS 15905	each	365.00

Code No.	Description	Unit	Rate ₹
7640	Hubless centrifugally cast (spun) iron bend with access door - 75mm dia as per IS 15905	each	290.00
7641	Hubless centrifugally cast (spun) iron terminal guard (slotted cowl) - 100 mm dia as per IS 15905	each	270.00
7642	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 100 mm outlet as per IS 15905	each	540.00
7643	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 75 mm outlet as per IS 15905	each	385.00
7644	SS 304 grade shielded coupling with EPDM rubber gasket for 100mm dia Hubless centrifugally cast (spun) iron	each	275.00
7645	SS 304 grade shielded coupling with EPDM rubber gasket for 75 mm dia Hubless centrifugally cast (spun) iron	each	250.00
7651	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 100 mm dia	metre	765.00
7652	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 150 mm dia	metre	1150.00
7653	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 200 mm dia	metre	1575.00
7654	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 250 mm dia	metre	2200.00
7655	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 300 mm dia	metre	2750.00
7656	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 350 mm dia	metre	3350.00
7657	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 400 mm dia	metre	4300.00
7658	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 450 mm dia	metre	5000.00
7659	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 500 mm dia	metre	6270.00
7660	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 600 mm dia	metre	7560.00
7661	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 700 mm dia	metre	10500.00
7662	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 750 mm dia	metre	11350.00
7663	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 800 mm dia	metre	11450.00
7664	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 900 mm dia	metre	13900.00
7665	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 1000 mm dia	metre	15550.00
7666	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia	each	29.00
7668	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150 mm dia	each	36.00
7669	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200 mm dia	each	63.00
7670	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250 mm dia	each	74.00
7671	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300 mm dia	each	110.00
7672	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350 mm dia	each	126.00
7673	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia	each	230.00
7674	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia	each	270.00
7675	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia	each	290.00
7676	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia	each	365.00
7677	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia	each	550.00
7678	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750 mm dia	each	660.00
7679	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia	each	725.00
7680	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia	each	960.00
7681	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia	each	1145.00
7682	Ductile Iron K - 12 specials suitable for push on jointing up to 600 mm dia	quintal	12400.00
7683	Ductile Iron K - 12 specials suitable for push on jointing over 600 mm dia	quintal	17200.00
7684	Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - up to 600 mm dia	quintal	13050.00
7685	Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600 mm dia	quintal	18750.00
7686	Ductile Iron Pipe Class K-9 flanges and welding 100 mm dia	metre	1100.00
7687	Ductile Iron Pipe Class K-9 flanges and welding 150 mm dia	metre	1650.00

Code No.	Description	Unit	Rate ₹
7688	Ductile Iron Pipe Class K-9 flanges and welding 200 mm dia	metre	2075.00
7689	Ductile Iron Pipe Class K-9 flanges and welding 250 mm dia	metre	2950.00
7690	Ductile Iron Pipe Class K-9 flanges and welding 300 mm dia	metre	3790.00
7691	Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia	metre	4780.00
7692	Ductile Iron Pipe Class K-9 flanges and welding 400 mm dia	metre	6150.00
7693	Ductile Iron Pipe Class K-9 flanges and welding 450 mm dia	metre	6453.00
7694	Ductile Iron Pipe Class K-9 flanges and welding 500 mm dia	metre	9180.00
7695	Ductile Iron Pipe Class K-9 flanges and welding 600 mm dia	metre	12150.00
7696	Ductile Iron Pipe Class K-9 flanges and welding 700 mm dia	metre	14370.00
7697	S&S Centrifugally (Spun) C.I. Pipe class LA 100 mm dia	metre	857.00
7698	S&S Centrifugally (Spun) C.I. Pipe class LA 125 mm dia	metre	1067.00
7699	S&S Centrifugally (Spun) C.I. Pipe class LA 150 mm dia	metre	1286.00
7700	S&S Centrifugally (Spun) C.I. Pipe class LA 200 mm dia	metre	2190.00
7701	S&S Centrifugally (Spun) C.I. Pipe class LA 250 mm dia	metre	2857.00
7702	S&S Centrifugally (Spun) C.I. Pipe class LA 300 mm dia	metre	3857.00
7703	S&S Centrifugally (Spun) C.I. Pipe class LA 350 mm dia	metre	4619.00
7704	S&S Centrifugally (Spun) C.I. Pipe class LA 400 mm dia	metre	6095.00
7705	S&S Centrifugally (Spun) C.I. Pipe class LA 450 mm dia	metre	7381.00
7706	S&S Centrifugally (Spun) C.I. Pipe class LA 500 mm dia	metre	8571.00
7707	S&S Centrifugally (Spun) C.I. Pipe class LA 600 mm dia	metre	11995.00
7708	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia	quintal	5190.00
7709	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia	quintal	6200.00
7710	S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia	quintal	8571.00
7711	S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per I.S. 13382 over 300 mm dia	quintal	9048.00
7712	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100 mm dia	metre	1310.00
7713	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 150 mm dia	metre	2048.00
7714	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200 mm dia	metre	3238.00
7715	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250 mm dia	metre	3905.00
7716	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300 mm dia	metre	4990.00
7717	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350 mm dia	metre	6286.00
7718	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400 mm dia	metre	8143.00
7719	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450 mm dia	metre	10381.00
7720	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500 mm dia	metre	12914.00
7721	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600 mm dia	metre	17905.00
7722	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia	metre	800.00
7723	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia	metre	1140.00
7724	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia	metre	1400.00

Code No.	Description	Unit	Rate ₹
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	5400.00
7737	Fly ash bricks conforming to I.S. 12894	1000 Nos	4300.00
7738	Calcium Silicate Bricks machine moulded conforming to I.S. 4139	1000 Nos	5400.00
7739	Modified Bitumen Refinery produced CRMB - 55	tonne	29995.00
7741	Modified Bitumen Refinery produced CRMB - 60	tonne	30536.00
7742	Bitumen emulsion medium setting (M.S.) conforming to IS : 8887	tonne	27909.00
7743	M.S. pipe 150 mm dia casing pipe	metre	1126.00
7744	M.S. pipe 200 mm dia casing pipe	metre	1400.00
7745	PVC blind pipe 150 mm dia as per IS: 12818	metre	508.62
7746	PVC blind pipe 200 mm dia as per IS: 12818	metre	788.12
7747	M.S. cap 150 mm dia	each	150.00
7748	M.S. cap 200 mm dia	each	200.00
7749	M.S. bail plug 150 mm dia	each	200.00
7750	M.S. bail plug 200 mm dia	each	220.00
7751	PVC slotted pipe 150 mm dia as per IS: 12818	metre	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	850.00
7754	Gravel 5 mm to 10 mm	cum	850.00
7755	Gravel 1.5 mm to 2 mm	cum	850.00
7756	Gravel 3 mm to 6 mm	cum	850.00
7757	M.S. pipe 100 mm dia casing pipe	metre	800.00
7758	uPVC blind pipe 100 mm dia as per IS: 12818	metre	442.00
7759	uPVC slotted pipe 100 mm dia as per IS: 12818	metre	480.00
7760	M.S. cap 100 mm dia	each	135.00
7761	M.S. bail plug 100 mm dia	each	160.00
7762	Precast R.C.C. perforated slab	each	875.00
7763	Water supply tanker of 5000 litre capacity	each	900.00
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	295.00
7768	Water repellent chemical approved by ASI	litre	1200.00
7769	Stone surface strengthening chemical approved by ASI	litre	900.00
7770	Turpentine oil	litre	55.00
7771	Liquid Ammonia 5%	litre	160.00
7772	Pea Gravel	cum	950.00
7773	Coloured inter locking C.C. paver Block (60 mm thick, M-35)	sqm	450.00

Code No.	Description	Unit	Rate ₹
7774	Stone size 10x10x7.50cm	each	10.00
7775	Sodium pentachlorophenate	kg	550.00
7776	Concrete paver block of grade M-30 made of C&D waste (60mm thickness)	sqm	317.22
7800	Ceramic Glazed Tiles 1st quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black	sqm	212.00
7801	Ceramic Glazed Tiles 1st quality 300 x 300 mm in all shades and designs of White, Ivory, grey, Fume Red brown etc.	sqm	209.10
7802	Ceramic Glazed Tiles 1st quality 300 x 300 in all shades designs except White, Ivory, Grey, Fume Red Brown etc.	sqm	260.00
7803	Rectified Ceramic Glazed Tiles 1st quality 300 x 300 mm or more in all shades designs White, Ivory, Grey, Fume Red Brown etc.	sqm	340.00
7804	Rectified Ceramic Glazed Tiles 1st quality 300 x 300 mm or more in all shades designs except White, Ivory, Grey, Fume Red Brown etc.	sqm	400.00
7805	Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724mm X 578 mm	each	4500.00
7806	Salem Stainless steel AISI - 304 (18/8) Round basin 405mm X 355 mm	each	1500.00
7807	Salem Stainless steel AISI - 304 (18/8) Wash basin 530mm X 345 mm	each	2000.00
7808	Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet	each	450.00
7809	Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet	each	500.00
7850	Agaria White marble slab plain 18 mm thick	sqm	1100.00
7857	P.T.M.T. Grating square slit 150 mm	each	66.75
7858	P.T.M.T. Urinal cock 15 mm dia	each	106.50
7859	P.T.M.T. Bib cock with nozzle 15 mm	each	154.50
7861	P.T.M.T. Stop cock (concealed) 15 mm	each	133.50
7862	15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts	each	46.50
7863	15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts	each	57.00
7864	P.T.M.T. extension nipple 15 mm dia	each	30.00
7865	P.T.M.T. extension nipple 20 mm dia	each	54.00
7866	P.T.M.T. extension nipple 25 mm dia	each	78.00
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	4000.00
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	4700.00
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	5200.00
7903	Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	5000.00
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	4900.00
7911	Chemical Rust Remover	litre	210.00
7912	Hire charges of Drill machine upto 30 mm dia	day	160.00
7913	Epoxy	kg	585.00
7914	SBR Polymer	kg	190.00
7915	Woven PVC cloth	sqm	25.00
7916	Hire charges of sand blasting equipment	day	420.00
7917	Hire charges of compressure	day	645.00
7918	25mm thick cement concrete shotcrete(guniting) with compressor	sqm	105.00

Code No.	Description	Unit	Rate ₹
7919	50mm thick cement concrete shotcrete(guniting) with compressor	sqm	160.00
7920	75mm thick cement concrete shotcrete(guniting) with compressor	sqm	266.00
7921	Adhesive chemical	ml	2.00
7922	Bit of drilling machine for Hole upto 30mm dia	each	500.00
7923	GI injection nipple 12mm dia, 75mm long	each	42.00
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	67.00
7926	Welding charges of shear key to existing reinforcement	each	2.00
7927	Acrylic Polymer chemical for cracks	kg	31.00
7928	Hire charges of Plant and machinery, it can inject - 350kg/day	day	100.00
7929	Shear loops (6mm dia GI wire rope) (For vertical joints) 6 nos on each side	each	192.00
7930	dowel tubes (Corrugated GI pipes 50 to 80mm dia) (For horizontal joints)	metre	120.00
7931	Hooks for lifting (Alloy steel) having 2.5 tonne capacity	each	250.00
7996	Factory made EPS light weight composite sandwiched wall/roof panel (50mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each.	sqm	735.25
7997	Factory made EPS light weight composite sandwiched wall/roof panel (60mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	845.00
7998	Factory made EPS light weight composite sandwiched 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	1047.46
7999	Factory made EPS light weight composite sandwiched wall/roof panel (90mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	1268.00
8000	Factory made EPS light weight composite sandwiched wall/roof panel (100mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	1512.37
8001	24 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1085.93
8002	30 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1248.82
8003	Factory made PVC rigid foam panelled shutter i/c carriage	sqm	1547.45
8004	Factory made PVC rigid foam panelled shutter as per IS : 4020 i/c carriage	sqm	1547.45
8006	Factory made PVC rigid foam sheet 1 mm thick	sqm	155.80
8007	Factory made PVC rigid foam sheet 5 mm thick	sqm	632.00
8008	Factory made prelaminated PVC rigid foam sheet 5 mm thick	sqm	752.00

Code No.	Description	Unit	Rate ₹
8010	48mmX40mmX1.5mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	125.79
8011	Factory made door frame PVC extruded sheet i/c carriage	metre	251.58
8012	Adhesive solvent cement	kg	140.00
8013	Factory made EPS Core wallpanel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh, with 50 mm pitch in both the directions, kept at 120-135 mm gap and interconnected by the zig zag G.I. wire of 3 mm dia at alternate row by welding.	sqm	1650.00
8014	Factory made door frame of size 50x47 mm with wall thickness 5 mm made of single piece extruded profile	metre	298.74
8015	Expanded poly ethylene Foam sheet 4mm thick of Density 40kg/m3	sqm	18.00
8016	High Density expanded poly ethylene (EPE) Foam 1mm thick	sqm	8.50
8017	Fire rated door frame made with 1.6 mm thick G.I sheet (120 minutes fire rating)	metre	1000.00
8018	Fire rated door shutter made with 1.6 mm thick G.I sheet (120 minutes fire rating) including hinges (without glass panels)	sqm	5000.00
8019	GI sheet 0.8 mm thick confirming to IS 277:1992	kg	75.00
8020	Factory made EPS Core wall panel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh, with 50 mm pitch in both the directions, connected by G.I. wire of 3mm dia at alternate row by welding	sqm	600.00
8021	Bamboo wood Tile Flooring 14mm thick of minimum size 1800mm x 130mm	sqm	3470.00
8022	Bamboo wood Quarter Round 18mm thick of size 1900mm x 18mm	metre	112.00
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	3385.00
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	1080.00
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	365.00

Code No.	Description	Unit	Rate ₹
8045	Wall Attached Bracket 600x1000mm	each	985.00
8046	Alignment Pipe - 3.00 Mtr.	each	995.00
8047	Alignment Bracket	each	475.00
8048	Tie Rod for Bracket - 500mm	each	115.00
8049	Anchor Wing Nut Ø100 mm	each	64.00
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	360.00
8057	Door spacer 45x45x5-1135mm Long	each	315.00
8100	Powder coated M.S. butt hinges 100 mm X58 mmX1.9 mm	10 Nos	123.00
8101	SS ball bearing of size 100 x89x3mm	each	450.00
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door	each	451.00
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	2296.00
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	1394.00
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	1150.00
8121	uPVC extruded (small series) casement window frame size 47x50mm	metre	258.30
8122	uPVC extruded (small series) casement window sash/window mullion size 47x68 mm	metre	282.90
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash	metre	98.40
8126	uPVC extruded (big series) casement window frame size 67x60 mm	metre	319.80
8127	uPVC extruded (big series) casement door frame size 67x64 mm	metre	360.80
8128	uPVC extruded (big series) casement window sash/window mullion/door mullion size 67x80 mm	metre	426.40
8129	uPVC extruded (big series) casement door sash size 67x110 mm	metre	516.60
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window/door sash	metre	123.00
8131	uPVC extruded glazing bead of appropriate dimension for small series sliding window sash	metre	60.00
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window/ door sash	metre	85.00
8133	uPVC extruded (small series) 2 track sliding window frame size 52x44 mm	metre	285.00
8134	uPVC extruded (big series) 2 track sliding window/door frame size 67x50mm	metre	385.00
8135	uPVC extruded (small series) 3 track sliding window frame size 92x44 mm	metre	380.00
8136	uPVC extruded (big series) 3 track sliding window/door frame size 116x45mm	metre	530.00
8137	uPVC extruded (small series) 2 track sliding window sash/3 track sliding window sash size 32x60mm	metre	265.00

Code No.	Description	Unit	Rate ₹
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm	metre	325.00
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm	metre	325.00
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash	metre	80.00
8141	uPVC extruded interlock of appropriate dimension for big series sliding window/ door sash	metre	90.00
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window/door sash	metre	90.00
8143	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash (big series) size 46x82mm	metre	350.00
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	100.00
8203	A.P.P. modified 2 mm thick membrane reinforced with glass fibre matt	sqm	126.67
8204	A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt	sqm	190.00
8205	A.P.P. modified 3 mm thick membrane reinforced with polyester matt	sqm	205.00
8206	Bitumen primer for bitumen membrane	litre	80.00
8207	Geotextile 120 grams per sqm membrane	sqm	45.00
8210	Stainless steel screws 50 mm	100 Nos	270.00
8211	Stainless steel screws 40 mm	100 Nos	215.00
8212	Stainless steel screws 30 mm	100 Nos	190.00
8214	Stainless steel screws 20 mm	100 Nos	125.00
8215	Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked	10 Nos	265.00
8216	Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked	10 Nos	235.00
8217	Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked	10 Nos	160.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	135.00
8219	Stainless steel butt hinges (heavy weight) 125x64x2.5 mm IS :12817 marked	10 Nos	350.00
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS :12817 marked	10 Nos	255.00
8221	Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS :12817 marked	10 Nos	205.00
8222	M.S. heavy weight butt hinges 125x90x4.0 mm IS: 1341 marked.	10 Nos	210.00
8223	M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked	10 Nos	160.00
8224	M.S. heavy weight butt hinges 75x60x3.1 mm IS: 1341 marked	10 Nos	95.00
8225	M.S. heavy weight butt hinges 50x40x2.5 mm IS : 1341 marked	10 Nos	80.00
8226	Concealed zinc coated hinges 19-20 mm thick with mounting plate	10 Nos	420.00
8300	1216 mm PE-AL-PE Composite pressure pipe	metre	62.00
8301	1620 mm PE-AL-PE Composite pressure pipe	metre	78.00
8302	2025 mm PE-AL-PE Composite pressure pipe	metre	110.00
8303	2532 mm PE-AL-PE Composite pressure pipe	metre	157.00
8304	3240 mm PE-AL-PE Composite pressure pipe	metre	235.00
8305	4050 mm PE-AL-PE Composite pressure pipe	metre	330.00
8306	PPR Union 20 mm	each	48.00
8307	PPR Union 25 mm	each	97.00

Code No.	Description	Unit	Rate ₹
8308	PPR Union 32 mm	each	137.20
8309	PPR Union 40 mm	each	184.80
8310	PPR Union 50 mm	each	352.80
8311	PPR Union 63 mm	each	483.60
8312	PPR Union 75 mm	each	933.00
8500	Water for jetting / blowback	1000 litre	1500.00
8501	Polymer modified cementation coating	kg	140.00
8502	Fibre glass cloth	sqm	25.00
8504	Multi surface paint	litre	255.00
8505	Acrylic exterior paint	litre	170.00
8506	Premium Acrylic exterior paint	litre	180.00
8507	Textured exterior paint	litre	240.00
8508	Primer for cement paint	litre	79.00
8509	Special Primer (C.W.)	litre	140.00
8510	Metal Primer (U.G.)	litre	90.00
8511	Fibre reinforced elastomeric liquid water proofing membrane	litre	198.69
8512	Cementitious water proofing coating with elastic polymers	kg	189.13
8513	Acrylic modified resin based texture	kg	36.00
8514	40 mm long S.S screws with plastic rawl plugs	100	40.00
8515	Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long	each	31.00
8516	ZMB 60/equivalent	kg	105.00
8517	ZMB thinner	litre	205.00
8518	Zycoprime / equivalent	litre	210.00
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	830.00
8553	Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick with bio-block conforming to ISO 5 (class 100) specifications.	sqm	920.00
8554	Mineral fiber beveled tegular edged ceiling tiles 595 x595mm,20 mm thick.	sqm	1040.00
8555	G.I main runner 15 x32 mm of 3000 mm length, 0.33 mm thick	each	185.00
8556	G.I cross-T 15 x32 mm of 1200 mm length, 0.33 mm thick	each	78.00
8557	G.I cross-T 15 x32 mm of 600 mm length, 0.33 mm thick	each	35.00
8558	G.I hanger rod 6mm dia fully threaded upto 1000 mm length	each	26.00
8559	Stainless steel U Channel of size (50x25x2mm)	metre	160.00
8560	Non staining water resistant clear silicon	metre	65.00
8561	Extruded polystyrene rigid insulation board 50 mm thick	sqm	525.00
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	800.00
8563	15 mm thick, light weight, integral densified micro look edged,false ceiling tiles of size 595x595 mm.	sqm	720.00
8564	15 mm thick, light weight,fully perforated square/butt edge integral densified,false ceiling tiles of size 595x595 mm.	sqm	900.00
8565	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000mm length	each	26.00
8566	Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long)	each	235.00
8567	Galvanized mild steel perimeter wall angle 22x19x0.40 mm (3000mm long)	each	115.00

Code No.	Description	Unit	Rate ₹
8568	Powder coated Galvanised Iron intermediate cross-T section 15x42x 0.40 mm (1200 mm long)	each	95.00
8569	Powder coated Galvanised Iron intermediate cross-T section 15x42x 0.40mm (600 mm long)	each	47.00
8570	GI Main T ceiling section 30x25x0.3 mm (3 metre long)	each	187.00
8571	GI Perimeter wall angle 25x25x0.4 mm (3 metre long)	each	157.00
8572	GI Intermediate cross T section 25x25x0.3 mm (1.2 metre long)	each	72.00
8573	GI Intermediate cross T section 25x25x0.3 mm (0.6 metre long)	each	34.00
8576	Powder coated Galvanised Iron intermediate cross-T section wire diameter 3.00 mm).	sqm	190.00
8577	Crates made of Mesh type 10x12 (D=100 mm) Zn+PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD).	sqm	220.00
8578	Crates made of Mesh type 10x12 (D=100 mm) Zn+10% Al alloy +PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD).	sqm	290.00
8579	Cold form light gauge Steel C-section of thickness 0.75mm i/c zink coating/slitting etc.	kg	130.00
8580	Wastage of cold form light gauge steel	kg	17.00
8581	12 mm thick micro tegular edged semi perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	510.00
8582	12 mm thick micro tegular edged fully perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	600.00
8583	10 mm thick square edge fully perforated GRG(Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	750.00
8587	Galvanized iron intermediate cross-T section 15x32x0.33 mm (600mm long)	each	35.00
8588	Galavanised MS hanger rod 6mm dia MS fully threaded up to 1000mm length	each	26.00
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	120.00
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	65.00
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33mm (1.2 metre long)	each	40.00
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33mm (0.6 metre long)	each	20.00
8594	Galvanised Steel soffit cleat size 25x35x1.60 mm	each	4.00
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	1.00
8596	Galvanised MS 8mm outer diameter M-6 dash fastener 25mm long	each	32.00
8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	677.00
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	782.00
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	612.00
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	715.00
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	880.00
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	375.00
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	190.00
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)	metre	95.00

Code No.	Description	Unit	Rate ₹
8606	Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)	metre	115.00
8607	Spring T-connector	each	5.00
8608	C Carrier Connector	each	11.00
8609	C Suspension Clip	each	8.00
8610	Wire Coupling Clip	each	9.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	115.00
8612	Perimeter wall angle 24 x 24 x 0.3 mm (3 metre long)	each	80.00
8613	Intermediate cross T-Section 24x25x0.3 mm (1.2 m long)	each	35.00
8614	Intermediate cross T-Section 24x25x0.3 mm (0.6 m long)	each	17.00
8615	Hanger rod 4 mm thick	each	8.00
8616	Adjustment clip 85x30x0.8 mm	each	5.00
8617	Soffit cleat (Size 27x37x25x1.60 mm)	each	4.00
8618	Dash fastener 6 mm dia 50 mm long	each	8.00
8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm	each	15.00
8620	Vitrified floor tile 50x50 cm conforming to IS 15622:2006 group (B1a)	sqm	490.00
8621	Vitrified floor tile 60x60 cm conforming to IS 15622:2006 group (B1a)	sqm	659.72
8622	Vitrified floor tile 80x80 cm conforming to IS 15622:2006 group (B1a)	sqm	850.00
8623	Vitrified floor tile 100x100 cm conforming to IS 15622:2006 group (B1a)	sqm	1390.00
8624	"Border tiles 200x75mm size	each	16.00
8626	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 20 mm Outer dia	metre	43.27
8627	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 25 mm Outer dia	metre	66.80
8628	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 32 mm Outer dia	metre	107.47
8629	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 40 mm Outer dia	metre	161.07
8630	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 50 mm Outer dia	metre	252.22
8631	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 63 mm Outer dia	metre	281.73
8632	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 75 mm Outer dia	metre	418.18
8633	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 90 mm Outer dia	metre	597.63
8634	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 110 mm Outer dia	metre	885.83
8635	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 160 mm Outer dia	metre	2557.30
8636	Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia	metre	48.55
8637	Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia	metre	77.80
8638	Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia	metre	113.60
8639	Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia	metre	163.65
8640	Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia	metre	228.70
8641	Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia	metre	375.25
8642	Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5 mm inner dia	metre	793.30
8643	Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia	metre	1031.05
8644	Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia	metre	1466.75
8645	Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia	metre	3145.15
8646	Weather Silicon sealant	cartridge	100.00

Code No.	Description	Unit	Rate ₹
8647	Stainless steel screws 30 mm x4 mm	100 Nos	32.00
8648	Hermetically sealed double glazed unit made with 6 mm thick clear float glass both side having 12 mm air gap	sqm	2150.00
8649	Stainless steel (SS 304 grade) adjustable friction window stay 205 x 19 mm	each	172.00
8650	Stainless steel (SS 304 grade) adjustable friction window stay 255 x 19 mm	each	222.00
8651	Stainless steel (SS 304 grade) adjustable friction window stay 355 x 19 mm	each	195.00
8652	Stainless steel (SS 304 grade) adjustable friction window stay 510 x 19 mm	each	525.00
8653	Stainless steel (SS 304 grade) adjustable friction window stay 710 x 19 mm	each	900.00
8654	Masking tape	metre	1.95
8655	Autoclaved aerated cement (AAC) blocks	cum	2600.00
8656	Gypsum panel 666 X 500 X 100 mm size	sqm	480.00
8657	Bonding plaster for Gypsum panel	kg	25.00
8658	Precast C&D waste concrete block	1000 Nos	25150.00
8659	Water proof ply 12 mm thick	sqm	517.00
8660	Aluminium casement window fastener (Anodised AC 15)	each	44.00
8661	Aluminium casement window fastener (powder coated)	each	47.00
8662	Aluminium casement window fastener (polyester powder coated)	each	46.00
8663	Aluminium round shape handle (anodised AC 15) outer dia 100 mm	each	53.00
8664	Aluminium round shape handle (powder coated) outer dia 100 mm	each	56.00
8665	Aluminium round shape handle (polyester powder coated) outer dia 100 mm	each	60.00
8666	Stainless steel screws 25 mm x4 mm	100 Nos	38.00
8667	UV stabilised 2 mm thick plain FRP sheet	sqm	430.00
8668	UV stabilised 2 mm thick corrugated FRP sheet	sqm	485.00
8669	Mangalore ridge tiles 20 mm thick	each	8.00
8670	Mangalore tiles 20 mm thick	each	8.00
8671	Precoated galvanised iron profile sheet 0.50 mm TCT	sqm	350.00
8672	Precoated galvanised steel plain ridges 0.50 mm TCT and 500-600mm wide	metre	210.00
8673	Precoated galvanised steel flashings/aprons 0.50 mm TCT and upto 600mm wide	metre	210.00
8674	Precoated galvanised steel gutter 600mm overall girth	metre	420.00
8675	Precoated galvanised steel north light curves	metre	230.00
8676	Precoated galvanised steel barge board (upto 300mm)	metre	215.00
8677	Precoated galvanised steel crimp curve	sqm	230.00
8678	1 mm thick 35 mm wide bright finished stainless steel piano hinges	metre	42.00
8682	Epoxy Grout	kg	371.00
8683	Red sand stone gang saw cut 30 mm thick	sqm	425.00
8684	White sand stone gang saw cut 30 mm thick	sqm	560.00
8685	Delineator	each	300.00
8686	Precast C.C. Kerb stone M - 25	cum	5500.00
8687	Thermoplastic paint	kg	65.00
8688	Glass beads	kg	70.00
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	1300.00
8691	Punched tape concertina coil 600 mm dia 10 m openable length (Total length 90 m)	bundle	600.00
8692	RBT reinforced barbed wire	metre	6.50
8693	Turn buckle and strengthening bolt	each set	40.00

Code No.	Description	Unit	Rate ₹
8694	Precast pavement slab 450 x 450 x 50 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	280.00
8696	Chain link fabric fencing mesh of size 50x50 mm made of G.I. wire of dia 4 mm, PVC coated to outer dia 5 mm	sqm	300.00
8697	Chain link fabric fencing mesh of size 25x25 mm made of G.I. wire of dia 3 mm	sqm	360.00
8698	Stainless steel cramps(weight 260 grams) with nuts, bolts and washer for dry stone cladding	each	100.00
8699	8 mm thick tapered edge calcium silicate board	sqm	265.00
8700	10 mm thick calcium silicate board	sqm	420.00
8701	SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia	metre	610.00
8702	Coupling/Socket fittings for 15.88 mm outer dia SS pipe	each	59.00
8703	Telescopic drawer channels 300 mm long	set	230.00
8704	Stainless steel roller for sliding arrangement in racks/ cupboards/cabinets shutter	each	9.00
8705	50 mmX42 mmX2 mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	160.00
8706	25 mm thick factory made PVC flush door shutter i/c carriage	sqm	1700.00
8707	Factory made glass reinforced plastic door frame 90x45 mm i/c carriage	metre	467.00
8708	30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage	sqm	2326.00
8709	30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)	sqm	2100.00
8710	Factory made solid PVC door frame 60 x 30 mm i/c carriage	metre	315.00
8711	20 mm factory made solid PVC panel door shutter i/c carriage	sqm	2050.00
8712	30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish	sqm	2000.00
8713	Fiber glass reinforced plastic chajja	sqm	3000.00
8714	Magnetic catcher triple strip vertical type	each	24.00
8715	Magnetic catcher double strip horizontal type	each	18.00
8716	100 mm mortice lock with 6 levers for aluminium door	each	375.00
8719	2nd class teak wood moulded beading or Taj beading/ornamental bleading of size 18X5 mm	metre	28.00
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm	metre	35.00
8721	Perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm	metre	22.00
8722	Nylon sleeves & wooden screws (40 mm)	each	2.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	68.00
8724	12 mm thick marine plywood conforming to IS: 710	sqm	695.00
8725	12 mm thick fire retardant plywood conforming to IS: 5509	sqm	850.00
8726	1.5 mm thick decorative laminated sheet	sqm	365.00
8727	1.0 mm thick decorative laminated sheet	sqm	280.00
8730	30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage	sqm	2675.00
8731	High polymer modified quickset tile adhesive	kg	9.00
8732	Synthetic ployster triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40	kg	365.00

Code No.	Description	Unit	Rate ₹
8733	Synthetic ployster triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40	kg	400.00
8734	P.V.C. Single piece extruded door frame of profile size 50 mm x 47mm with wall thickness of 5 mm	metre	255.00
8735	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non decorative finished (Matt finished)	sqm	2150.00
8736	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile decorative finished (wood grain finished)	sqm	2600.00
8737	Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50mm dia wire	sqm	400.00
8738	Factory made door frame fire rated (60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with vermiculite based concrete mix	metre	1050.00
8739	Fire rated door shutter made with 16 SWG G.I. sheet (60 minutes) without panel	sqm	4500.00
8740	Fire seal Putty	kg	295.00
8741	Clear fire resistant glass panes 6mm thick (60 minutes)	sqm	21500.00
8742	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/ m²) with ceramic tape of suitable thickness and fire resistant primer coating	metre	295.00
8743	Matrix Mineral Board	metre	68.00
8744	Panic Bar / latch (Double point)	each	5200.00
8745	65 mm x 55 mm x 2 mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	355.00
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	2400.00
8747	75 mm x 53 mm x 2.0 mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	400.00
8748	37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish	sqm	2600.00
8749	Zinc alloy (white powder coated) touch lock with hook for wire mesh shutter	each	120.00
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	105.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	56.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door/window	each	95.00
8754	Zinc alloy (white powder coated) crescent lock for uPVC sliding door/window	each	115.00
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows	each	205.00
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for uPVC windows	each	230.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	245.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	345.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	365.00
8760	Glass panes of required thickness having 60 minutes of fire resistance both integrity and radiation control (EW 60) and minimum 20 minutes of insulation (EI 20)	sqm	22500.00
8761	Scaffolding net made of high density polyethylene UV stabilized having density 100gm/ sqm.	sqm	21.50
8772	Aluminium Track on bottom rail for uPVC window	metre	30.00
8773	Wool pile/ weather pile strip for uPVC sliding window	metre	20.00
8774	Aluminium Grill as per IS 1868	kg	260.00
8775	Steel Galvanised tubular reinforcement for uPVC door/ window	metre	60.00
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt	each	15.00

Code No.	Description	Unit	Rate ₹
8777	GI Fastener 100x8 mm	each	15.00
8778	Toughened glass 12 mm thickness	sqm	1747.00
8779	SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia	metre	130.00
8780	SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia	metre	243.00
8781	SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia	metre	297.00
8782	SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia	metre	423.00
8783	SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia	metre	441.00
8784	8 mm thick Calcium silicate perforated tiles of size 595 x595 mm	sqm	833.00
8785	Interlocking C.C. paver block (80 mm thick, M-30)	sqm	470.00
8786	Coupling/Socket fittings for 22.22 mm outer dia SS pipe	each	63.00
8787	Coupling/Socket fittings for 28.58 mm outer dia SS pipe	each	89.00
8788	Coupling/Socket fittings for 34.00 mm outer dia SS pipe	each	131.00
8789	Coupling/Socket fittings for 42.70 mm outer dia SS pipe	each	158.00
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	103.00
8792	Reducer for 28.58 mm X 15.88 mm outer Dia SS pipe	each	141.00
8793	Reducer for 28.58 mm X 22.22 mm outer Dia SS pipe	each	145.00
8794	Reducer for 34.00 mm X 15.88 mm outer Dia SS pipe	each	184.00
8795	Reducer for 34.00 mm X 22.22 mm outer Dia SS pipe	each	187.00
8796	Reducer for 34.00 mm X 28.58 mm outer Dia SS pipe	each	190.00
8797	Reducer for 42.70 mm X 15.88 mm outer Dia SS pipe	each	359.00
8798	Reducer for 42.70 mm X 22.22 mm outer Dia SS pipe	each	362.00
8799	Reducer for 42.70 mm X 28.58 mm outer Dia SS pipe	each	362.00
8800	Reducer for 42.70 mm X 34.00 mm outer Dia SS pipe	each	387.00
8801	Reducer for 48.60 mm X 15.88 mm outer Dia SS pipe	each	410.00
8802	Reducer for 48.60 mm X 22.22 mm outer Dia SS pipe	each	410.00
8803	Reducer for 48.60 mm X 28.58 mm outer Dia SS pipe	each	410.00
8804	Reducer for 48.60 mm X 34.00 mm outer Dia SS pipe	each	410.00
8805	Reducer for 48.60 mm X 42.70 mm outer Dia SS pipe	each	410.00
8806	Slip Coupling / Socket 15.88 mm outer dia SS pipe	each	47.00
8807	Slip Coupling / Socket 22.22 mm outer dia SS pipe	each	63.00
8808	Slip Coupling / Socket 28.58 mm outer dia SS pipe	each	89.00
8809	Slip Coupling / Socket 34.00 mm outer dia SS pipe	each	131.00
8810	Slip Coupling / Socket 42.70 mm outer dia SS pipe	each	158.00
8811	Slip Coupling / Socket 48.60 mm outer dia SS pipe	each	170.00
8812	Elbow 90° for 15.88 mm outer dia SS pipe	each	58.00
8813	Elbow 90° for 22.22 mm outer dia SS pipe	each	63.00
8814	Elbow 90° for 28.58 mm outer dia SS pipe	each	96.00
8815	Elbow 90° for 34.00 mm outer dia SS pipe	each	109.00
8816	Elbow 90° for 42.70 mm outer dia SS pipe	each	116.00
8817	Elbow 90° for 48.60 mm outer dia SS pipe	each	150.00
8818	Reducing Elbow 90° for 22.22 mm X 15.88 mm outer dia SS pipe	each	148.00
8819	Reducing Elbow 90° for 28.58 mm X 15.88 mm outer dia SS pipe	each	191.00
8820	Reducing Elbow 90° for 28.58 mm X 22.22 mm outer dia SS pipe	each	221.00

Code No.	Description	Unit	Rate ₹
8821	Reducing Elbow 90° for 34.00 mm X 22.22 mm outer dia SS pipe	each	287.00
8822	Reducing Elbow 90° for 34.00 mm X 28.58 mm outer dia SS pipe	each	345.00
8823	Reducing Elbow 90° for 42.70 mm X 34.00 mm outer dia SS pipe	each	179.00
8824	Equal Tee for 15.88 mm outer dia SS pipe	each	159.00
8825	Equal Tee for 22.22 mm outer dia SS pipe	each	231.00
8826	Equal Tee for 28.58 mm outer dia SS pipe	each	273.00
8827	Equal Tee for 34.00 mm outer dia SS pipe	each	437.00
8828	Equal Tee for 42.70 mm outer dia SS pipe	each	683.00
8829	Equal Tee for 48.60 mm outer dia SS pipe	each	887.00
8830	Reducing Tee for 22.22 mm X 15.88 mm outer dia SS	each	179.00
8831	Reducing Tee for 28.58 mm X 15.88 mm outer dia SS pipe	each	273.00
8832	Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe	each	273.00
8833	Reducing Tee for 34.00 mm X 15.88 mm outer dia SS pipe	each	437.00
8834	Reducing Tee for 34.00 mm X 22.22 mm outer dia SS pipe	each	437.00
8835	Reducing Tee for 34.00 mm X 28.58 mm outer dia SS pipe	each	437.00
8836	Reducing Tee for 42.70 mm X 15.88 mm outer dia SS pipe	each	683.00
8837	Reducing Tee for 42.70 mm X 22.22 mm outer dia SS pipe	each	683.00
8838	Reducing Tee for 42.70 mm X 28.58 mm outer dia SS pipe	each	683.00
8839	Reducing Tee for 42.70 mm X 34.00 mm outer dia SS pipe	each	683.00
8840	Reducing Tee for 48.60 mm X 15.88 mm outer dia SS pipe	each	887.00
8841	Reducing Tee for 48.60 mm X 22.22 mm outer dia SS pipe	each	887.00
8842	Reducing Tee for 48.60 mm X 28.58 mm outer dia SS pipe	each	887.00
8843	Reducing Tee for 48.60mm X 34.00 mm outer dia SS pipe	each	887.00
8844	Reducing Tee for 48.60mm X 42.70mm outer dia SS pipe	each	887.00
8845	Stainless steel Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	179.00
8846	Stainless steel Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	200.00
8847	Stainless steel Male thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	205.00
8848	Stainless steel Male thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	273.00
8849	Stainless steel Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	273.00
8850	Stainless steel Male thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded	each	273.00
8851	Stainless steel Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	437.00
8852	Stainless steel Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	437.00
8853	Stainless steel Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	437.00
8854	Stainless steel Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	437.00
8855	Stainless steel Male thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	683.00
8856	Stainless steel Male thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	683.00
8857	Stainless steel Male thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	683.00

Code No.	Description	Unit	Rate ₹
8858	Stainless steel Male thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	683.00
8859	Stainless steel Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	683.00
8860	Stainless steel Male thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	887.00
8861	Stainless steel Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	887.00
8862	Stainless steel Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	887.00
8863	Stainless steel Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	887.00
8864	Stainless steel Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	887.00
8865	Stainless steel Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	887.00
8866	Stainless steel Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	179.00
8867	Stainless steel Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	200.00
8868	Stainless steel Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	200.00
8869	Stainless steel Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	273.00
8870	Stainless steel Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	273.00
8871	Stainless steel Female thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded	each	273.00
8872	Stainless steel Female thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	437.00
8873	Stainless steel Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	437.00
8874	Stainless steel Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	437.00
8875	Stainless steel Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	437.00
8876	Stainless steel Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	683.00
8877	Stainless steel Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	683.00
8878	Stainless steel Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	683.00
8879	Stainless steel Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	683.00
8880	Stainless steel Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	683.00
8881	Stainless steel Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	887.00
8882	Stainless steel Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	887.00
8883	Stainless steel Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	887.00

Code No.	Description	Unit	Rate ₹
8884	Stainless steel Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	887.00
8885	Stainless steel Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	887.00
8886	Stainless steel Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	887.00
8887	Stainless steel Female threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded	each	190.00
8888	Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded	each	230.00
8889	Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded	each	237.00
8890	Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 15 mm nominal threaded	each	277.00
8891	Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded	each	286.00
8892	Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded	each	337.00
8893	Stainless steel Female threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded	each	409.00
8894	Stainless steel Female threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded	each	538.00
8895	Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded	each	576.00
8896	Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded	each	681.00
8897	Stainless steel Female threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded	each	838.00
8898	Stainless steel Female threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded	each	965.00
8899	Stainless steel Male threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded	each	193.00
8900	Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded	each	227.00
8901	Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded	each	248.00
8902	Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded	each	313.00
8903	Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded	each	320.00
8904	Stainless steel Male threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded	each	461.00
8905	Stainless steel Male threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded	each	565.00
8906	Stainless steel Male threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded	each	649.00
8907	Stainless steel Male threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded	each	726.00
8908	Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded	each	840.00
8909	Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded	each	1138.00

Code No.	Description	Unit	Rate ₹
8910	Stainless steel Valve Connector for 15.88 mm outer dia X 15 mm nominal dia threaded	each	234.00
8911	Stainless steel Valve Connector for 22.22 mm outer dia X 15 mm nominal dia threaded	each	276.00
8912	Stainless steel Valve Connector for 22.22 mm outer dia X 20 mm nominal dia threaded	each	295.00
8913	Stainless steel Valve Connector for 28.58 mm outer dia X 25 mm nominal dia threaded	each	424.00
8914	Stainless steel Valve Connector for 34.00 mm outer dia X 32 mm nominal dia threaded	each	629.00
8915	Stainless steel Valve Connector for 42.70 mm outer dia X 40 mm nominal dia threaded	each	875.00
8916	Stainless steel Valve Connector for 48.60 mm outer dia X 50 mm nominal dia threaded	each	1176.00
8917	SS Female Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded	each	150.00
8918	Stainless steel Female Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded	each	191.00
8919	Stainless steel Female Threaded Elbow 90o for 22.22 mm outer dia X 20 mm nominal dia threaded	each	191.00
8920	Stainless steel Female Threaded Elbow 90o for 28.58 mm outer dia X 25 mm nominal dia threaded	each	205.00
8921	Stainless steel Female Threaded Elbow 90o for 34.00 mm outer dia X 32 mm nominal dia threaded	each	287.00
8922	Stainless steel Female Threaded Elbow 90o for 42.70 mm outer dia X 32 mm nominal dia threaded	each	478.00
8923	Stainless steel Female Threaded Elbow 90o for 42.70 mm outer dia X 40 mm nominal dia threaded	each	478.00
8924	Stainless steel Female Threaded Elbow 90o for 48.60 mm outer dia X 40 mm nominal dia threaded	each	683.00
8925	Stainless steel Female Threaded Elbow 90o for 48.60 mm outer dia X 50 mm nominal dia threaded	each	683.00
8926	Stainless steel Male Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded	each	191.00
8927	Stainless steel Male Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded	each	205.00
8928	Stainless steel Male Threaded Elbow 900 for 22.22 mm outer dia X 20 mm nominal dia threaded	each	205.00
8929	Stainless steel Male Threaded Elbow 900 for 28.58 mm outer dia X 25 mm nominal dia threaded	each	205.00
8930	Stainless steel Male Threaded Elbow 900 for 34.00 mm outer dia X 25 mm nominal dia threaded	each	287.00
8931	Stainless steel Male Threaded Elbow 900 for 34.00 mm outer dia X 32 mm nominal dia threaded	each	287.00
8932	Stainless steel Male Threaded Elbow 900 for 42.70 mm outer dia X 32 mm nominal dia threaded	each	478.00
8933	Stainless steel Male Threaded Elbow 900 for 42.70 mm outer dia X 40 mm nominal dia threaded	each	478.00
8934	Stainless steel Male Threaded Elbow 900 for 48.60 mm outer dia X 40 mm nominal dia threaded	each	683.00
8935	Stainless steel Male Threaded Elbow 900 for 48.60 mm outer dia X 50 mm nominal dia threaded	each	683.00
8936	Stainless steel Cap for 15.88 mm outer dia pipe	each	45.00

Code No.	Description	Unit	Rate ₹
8937	Stainless steel Cap for 22.22 mm outer dia pipe	each	64.00
8938	Stainless steel Cap for 28.58 mm outer dia pipe	each	84.00
8939	Stainless steel Cap for 34.00 mm outer dia pipe	each	163.00
8940	Stainless steel Cap for 42.70 mm outer dia pipe	each	236.00
8941	Stainless steel Cap for 48.60 mm outer dia pipe	each	299.00
8942	Stainless steel Pipe Bridge for 15.88 mm outer dia pipe	each	214.00
8943	Stainless steel Pipe Bridge for 22.22 mm outer dia pipe	each	271.00
8944	Stainless steel Pipe Bridge for 28.58 mm outer dia pipe	each	407.00
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	32.00
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	100.00
8957	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 20kN/m in the longitudinal and transverse direction	sqm	115.00
8958	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 30kN/m in the longitudinal and transverse direction	sqm	185.00
8959	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse direction	sqm	275.00
8960	Geosynthetic Drainage with two filtering nonwoven geotextiles having a "W" configuration as longitudinal parallel channels. Minimum thickness to be 7.2mm, with two filtering UV stabilized polypropylene nonwoven geotextile of minimum thickness of 0.75mm having pores of 150 micron and tensile strength of 8.0 kN/m and having plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure, tensile strength of 18 kN/m , with mass per unit area of 740 gsm.	sqm	530.00
8961	Geosynthetic Drainage Composite having thermobonding a draining core - HDPE geonet comprises of two sets of parallel overlayed ribs integrally connected to have a rhomboidal shape with a polyethylene film and a nonwoven geotextile having mass per unit area 130 g/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	220.00
8963	Synthetic Geogrid Ultimate tensile strength- 150 kN/m	sqm	230.00
8964	Synthetic Geogrid Ultimate tensile strength- 200 kN/m	sqm	320.00
8965	Synthetic Geogrid Ultimate tensile strength- 250 kN/m	sqm	355.00
8966	Synthetic Geogrid Ultimate tensile strength- 300kN/m	sqm	365.00
8967	Synthetic Geogrid Ultimate tensile strength- 350kN/m	sqm	370.00
8968	Synthetic Geogrid Ultimate tensile strength- 400kN/m	sqm	475.00
8969	Synthetic Geogrid Ultimate tensile strength- 500kN/m	sqm	535.00
8970	Synthetic Geogrid Ultimate tensile strength- 600kN/m	sqm	550.00
8971	Synthetic Geogrid Ultimate tensile strength- 700kN/m	sqm	685.00
8972	Synthetic Geogrid Ultimate tensile strength- 800kN/m	sqm	750.00
8973	Synthetic Geogrid Ultimate tensile strength- 900kN/m	sqm	900.00
8974	Synthetic Geogrid Ultimate tensile strength- 1000kN/m	sqm	1025.00

Code No.	Description	Unit	Rate ₹
8975	Synthetic Geogrid Ultimate tensile strength- 1100kN/m	sqm	1000.00
8976	Synthetic Geogrid Ultimate tensile strength- 1200kN/m	sqm	1088.00
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	1600.00
9977	Carriage	L.S.	2.00
9988	Carriage and sundries	L.S.	2.00
9999	Sundries	L.S.	2.00

BASIC RATES

0.4 CARRIAGE CODES

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

Code No.	Description	Unit	Rate ₹
2200	Steam coal	tonne	120.00
2201	Bricks	1000 Nos	276.72
2202	Stone aggregate below 40 mm nominal size	cum	103.77
2203	Coarse sand	cum	103.77
2204	Timber	cum	118.59
2205	Steel	tonne	92.24
2206	Stone aggregate 40 mm nominal size and above	cum	112.79
2207	Brick tiles	1000 Nos	166.03
2208	Lime	cum	103.77
2209	Cement	tonne	92.24
2211	Tar bitumen	tonne	103.77
2215	Soling stone & masonry stone	cum	122.08
2216	Stone blocks white & red sand stone & kota stone slab	tonne	92.24
2224	S.W. pipes 100 mm dia	100 metre	138.36
2225	S.W. pipes 150 mm dia	100 metre	276.72
2226	S.W. pipes 200 mm dia	100 metre	461.19
2228	S.W. pipes 250 mm dia	100 metre	790.62
2229	S.W. pipes 300 mm dia	100 metre	988.27
2241	Good earth	cum	129.71
2242	Dump manure	cum	112.79
2260	Brick aggregate	cum	112.79
2261	Sand	cum	103.77
2262	Fly ash	cum	103.77
2264	Rubbish	cum	103.77
2265	Moorum	cum	103.77
2266	Surkhi	cum	103.77
2267	Stone dust	cum	103.77
2268	Marble dust and marble chips	cum	103.77
2271	G.I. pipes below 100 mm dia	tonne	92.24
2272	Stainless Steel pipe below 100 mm dia	tonne	92.24
2273	A.C. sheet and accessories	tonne	92.24
2275	R.C.C. pipes 100 mm dia	100 metre	226.82

Code No.	Description	Unit	Rate ₹
2281	R.C.C. pipes 150 mm dia	100 metre	378.03
2287	R.C.C. pipes 250 mm dia	100 metre	873.84
2290	R.C.C. pipes 300 mm dia	100 metre	1080.08
2299	R.C.C. pipes 450 & 500 mm dia	100 metre	2520.19
2302	G.I.sheet and accessories	tonne	92.24
2303	R.C.C. pipes 600, 700, 750 & 800 mm dia	100 metre	3780.28
2308	Plaster of paris	tonne	92.24
2309	Cast iron fittings	tonne	92.24
2311	Red bajri	cum	103.77
2314	Barbed wire	tonne	92.24
2317	Sludge	cum	112.79
2319	Spun iron S & S pipes 100 mm dia	100 metre	226.82
2320	Spun iron S & S pipes 125 mm dia	100 metre	302.97
2321	Spun iron S & S pipes 150 mm dia	100 metre	378.03
2322	Spun iron S & S pipes 200 mm dia	100 metre	614.93
2323	Spun iron S & S pipes 250 mm dia	100 metre	873.84
2324	Spun iron S & S pipes 300 mm dia	100 metre	1080.08
2325	Spun iron S & S pipes 350 mm dia	100 metre	1512.11
2326	Spun iron S & S pipes 400 mm dia	100 metre	2061.97
2327	Spun iron S & S pipes 450 mm dia	100 metre	2520.19
2328	Spun iron S & S pipes 500 mm dia	100 metre	2520.19
2329	Spun iron S & S pipes 600mm dia	100 metre	3780.28
2330	C.I. pipes 500 mm dia	100 metre	2520.19
2331	R.C.C. pipes 900 mm dia	100 metre	5670.42
2332	R.C.C. pipes 1000 mm dia	100 metre	7560.57
2333	R.C.C. pipes 1100 mm dia	100 metre	7560.57
2334	R.C.C. pipes 1200 mm dia	100 metre	7560.57
2335	Jamuna sand	cum	103.77
2336	RCC pipe above 1200 mm dia & up to 1800 mm dia	100 metre	7560.57
2341	Pig lead	tonne	92.24
2342	Solvent/ Diesel	quintal	10.38
2343	Ductile iron pipes (k7) 100 mm dia	100 metre	226.82
2344	Cast iron pipes 150 mm dia	100 metre	378.03
2345	Cast iron pipes 200 mm dia	100 metre	614.93
2346	Cast iron pipes 250 mm dia	100 metre	873.84

Code No.	Description	Unit	Rate ₹
2347	Cast iron pipes 300 mm dia	100 metre	1080.08
2348	Cast iron pipes 350 mm dia	100 metre	1512.11
2349	Cast iron pipes 400 mm dia	100 metre	2061.97
2350	Cast iron pipes 450 mm dia	100 metre	2520.19
2351	Cast iron pipes 500 mm dia	100 metre	2520.19
2352	Cast iron pipes 600 mm dia	100 metre	3780.28
2353	Cast iron pipes 700 mm dia	100 metre	3780.28
2355	Cast iron pipes 800 mm dia	100 metre	3780.28
2356	Cast iron pipes 900 mm dia	100 metre	5670.42
2357	Cast iron pipes 1000 mm dia	100 metre	7560.57
2358	Carriage of Bamboo Mat corrugated sheets and accessories	tonne	11500.00

SUB HEAD : 1.0

CARRIAGE OF MATERIALS

CARRIAGE OF MATERIALS

Data Sheet No 1 for Analysis of Rates

1.1 By Mechanical Transport including loading, unloading and stacking:

Code	Name	Unit	Rate ₹
0084	Hire charges of truck without	Day	1500.00
0114	Beldar	Day	558.00
0115	Coolie	Day	558.00
1235	High Speed Diesel	Litre	73.50
5001	Mobile Oil	Litre	315.00

Lead in km (L)	Average speed (S)	Nos of Trips N=8/(2L/S)+1	Nos of km Done in one Day (2NL+6)	Litres of Diesel consumed @ 5 km. per Litre	Cost of Diesel (1235) @ ₹ per Litre	Litres of Mobil oil consumed @ 140 km. per Litre	Cost of Mobil oil (5001) @ ₹ per Litre	Cost of 6 Beldars (0114) @ ₹ per Day	Hire charges of truck (0084) @ ₹ per Day	Total Cost= 6+8+9+10 in ₹	Cost per Trip = col. 11/ col. 3 in ₹	Increase of cost per km over previous km in ₹	Average cost per additional km after first 5,10 and 20 km in ₹	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	Km	16.00	km	7.11	20.22	4.04	296.94	0.144	45.36	3348.00	1500.00	5190.30	730.00	
2	Km	17.00	km	6.48	31.92	6.38	468.93	0.228	71.82	3348.00	1500.00	5388.75	831.60	
3	Km	17.50	km	5.96	41.76	8.35	613.73	0.298	93.87	3348.00	1500.00	5555.60	932.15	
4	Km	18.00	km	5.54	50.32	10.06	739.41	0.359	113.09	3348.00	1500.00	5700.50	1028.97	
5	Km	18.50	km	5.19	57.90	11.58	851.13	0.414	130.41	3348.00	1500.00	5829.54	1123.23	
6	Km	19.00	km	4.90	64.80	12.96	952.56	0.463	145.85	3348.00	1500.00	5946.41	1213.55	90.32
7	Km	19.50	km	4.66	71.24	14.25	1047.38	0.509	160.34	3348.00	1500.00	6055.72	1299.51	85.96
8	Km	20.00	km	4.44	77.04	15.41	1132.64	0.550	173.25	3348.00	1500.00	6153.89	1386.01	86.50
9	Km	20.50	km	4.26	82.68	16.54	1215.69	0.591	186.17	3348.00	1500.00	6249.86	1467.10	81.09
10	Km	21.00	km	4.10	88.00	17.60	1293.60	0.629	198.14	3348.00	1500.00	6339.74	1546.28	79.18
11	Km	21.50	km	3.95	92.90	18.58	1365.63	0.664	209.16	3348.00	1500.00	6422.79	1626.02	79.74
12	Km	22.00	km	3.83	97.92	19.58	1439.13	0.699	220.19	3348.00	1500.00	6507.32	1699.04	73.02
13	Km	22.50	km	3.71	102.46	20.49	1506.02	0.732	230.58	3348.00	1500.00	6584.60	1774.82	75.78
14	Km	23.00	km	3.61	107.08	21.42	1574.37	0.765	240.98	3348.00	1500.00	6663.35	1845.80	70.98
15	Km	23.50	km	3.51	111.30	22.26	1636.11	0.795	250.43	3348.00	1500.00	6734.54	1918.67	72.87
16	Km	24.00	km	3.43	115.76	23.15	1701.53	0.827	260.51	3348.00	1500.00	6810.04	1985.43	66.76
17	Km	24.50	km	3.35	119.90	23.98	1762.53	0.856	269.64	3348.00	1500.00	6880.17	2053.78	68.35
18	Km	25.00	km	3.28	124.08	24.82	1824.27	0.886	279.09	3348.00	1500.00	6951.36	2119.32	65.54
19	Km	25.50	km	3.21	127.98	25.60	1881.60	0.914	287.91	3348.00	1500.00	7017.51	2186.14	66.82
20	Km	26.00	km	3.15	132.00	26.40	1940.40	0.943	297.05	3348.00	1500.00	7085.45	2249.35	63.21

84.61

70.31

1		2		3	4	5	6	7	8	9	10	11	12	13	14
21	Km	26.50	km	3.09	135.78	27.16	1996.26	0.970	305.55	3348.00	1500.00	7149.81	2313.85	64.50	58.08
22	Km	27.00	km	3.04	139.76	27.95	2054.33	0.998	314.37	3348.00	1500.00	7216.70	2373.91	60.06	
23	Km	27.50	km	2.99	143.54	28.71	2110.19	1.025	322.88	3348.00	1500.00	7281.07	2435.14	61.23	
24	Km	28.00	km	2.95	147.60	29.52	2169.72	1.054	332.01	3348.00	1500.00	7349.73	2491.43	56.29	
25	Km	28.50	km	2.90	151.00	30.20	2219.70	1.079	339.89	3348.00	1500.00	7407.59	2554.34	62.91	
26	Km	29.00	km	2.86	154.72	30.94	2274.09	1.105	348.08	3348.00	1500.00	7470.17	2611.95	57.61	
27	Km	29.50	km	2.83	158.82	31.76	2334.36	1.134	357.21	3348.00	1500.00	7539.57	2664.16	52.21	
28	Km	30.00	km	2.79	162.24	32.45	2385.08	1.159	365.09	3348.00	1500.00	7598.17	2723.36	59.20	
29	Km	30.50	km	2.76	166.08	33.22	2441.67	1.186	373.59	3348.00	1500.00	7663.26	2776.54	53.18	
30	Km	31.00	km	2.73	169.80	33.96	2496.06	1.213	382.10	3348.00	1500.00	7726.16	2830.10	53.56	

Notes

- 1 Number of trips in working day of 8 hours $N=8/\{(2L/S)+1\}$. Where L=Lead in Km., S=Speed in Km.per hour, 1 hour is allowed for loading / unloading.
- 2 Consumption of diesel taken at 5 Km. per litre.
- 3 Consumption of mobile oil taken at 140 Km. per litre.
- 4 In column 4 of 'km done' an allowance of 6.0 km has been made for movement of truck from parking place to duty & back.
- 5 (i) Cost of diesel @ (1235) per litre
(ii) Cost of mobile oil @(5001) per litre
(iii) Hire charges of truck @ (0084) for a day of 8 hours.

1.0 CARRIAGE OF MATERIALS

1.1 By Mechanical Transport including loading,unloading and stacking

Code	Material	capacity per Trip	Net Qty Payable after dedu- ction for loose- ness	Unit of rates	C.P. & Over heads @ 15%	Cost per Trip per unit i/c 15% CP & OH					Beyond 5 km upto 10 km per km	Beyond 10 km upto 20 km per km	Beyond 20 km per addl. km	Remarks
						1km	2km	3km	4km	5km				
						Cost per Trip as per Col. 12 of Data sheet no. 1								
						Net Qty Payable								
											As per Col. 14 of Data Sheet			
											A	B	C	
											Net Qty Payable			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.1.1	Lime, moorum, building rubbish	8	8	cum	0.15	104.94	119.54	134.00	147.91	161.46	12.16	10.11	8.35	
1.1.2	Earth	8	6.4	cum	0.15	131.17	149.43	167.50	184.89	201.83	15.20	12.63	10.44	
1.1.3	Manure or sludge	8	7.36	cum	0.15	114.06	129.94	145.65	160.78	175.50	13.22	10.99	9.08	
1.1.4	Excavated rock	8	4	cum	0.15	209.88	239.09	267.99	295.83	322.93	24.33	20.21	16.70	
1.1.5	Sand, stone aggregate below 40 mm nominal size	8	8	cum	0.15	104.94	119.54	134.00	147.91	161.46	12.16	10.11	8.35	
1.1.6	Stone aggregate 40 mm nominal size and above	8	7.36	cum	0.15	114.06	129.94	145.65	160.78	175.50	13.22	10.99	9.08	
1.1.7	Soling stone	8	6.8	cum	0.15	123.46	140.64	157.64	174.02	189.96	14.31	11.89	9.82	
1.1.8	Bricks	3000	3000	1000 Nos	0.15	279.83	318.78	357.32	394.44	430.57	32.43	26.95	22.26	
1.1.9	Brick Tiles	5000	5000	1000 Nos	0.15	167.90	191.27	214.39	236.66	258.34	19.46	16.17	13.36	
1.1.10	Cement, stone blocks, G.I., C.I., A.C., & C.C.pipes below 100 mm dia and other heavy materials	9	9	tonne	0.15	93.28	106.26	119.11	131.48	143.52	10.81	8.98	7.42	
1.1.11	Steel	9	9	tonne	0.15	93.28	106.26	119.11	131.48	143.52	10.81	8.98	7.42	
1.1.12	Timber	7	7	cum	0.15	119.93	136.62	153.14	169.05	184.53	13.90	11.55	9.54	
1.1.13	Tar Bitumen	8	8	tonne	0.15	104.94	119.54	134.00	147.91	161.46	12.16	10.11	8.35	
1.1.14	Solvent, diesel	80	80	qtl	0.15	10.49	11.95	13.40	14.79	16.15	1.22	1.01	0.83	
1.1.15	Steam coal	7	7	tonne	0.15	119.93	136.62	153.14	169.05	184.53	13.90	11.55	9.54	
1.1.16	S.W. pipe													
1.1.16.1	100 mm dia	600	600	100 m	0.15	139.92	159.39	178.66	197.22	215.29	16.22	13.48	11.13	
1.1.16.2	150 mm dia	300	300	100 m	0.15	279.83	318.78	357.32	394.44	430.57	32.43	26.95	22.26	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.1.16.3	200 mm dia	180	180	100 m	0.15	466.39	531.30	595.54	657.40	717.62	54.06	44.92	37.11	
1.1.16.5	250 mm dia	105	105	100 m	0.15	799.52	910.80	1020.93	1126.97	1230.20	92.67	77.01	63.61	
1.1.16.6	300 mm dia	84	84	100 m	0.15	999.40	1138.50	1276.16	1408.71	1537.76	115.84	96.26	79.51	
1.1.16.7	350 mm dia	60	60	100 m	0.15	1399.17	1593.90	1786.62	1972.19	2152.86	162.17	134.76	111.32	
1.1.16.8	400 mm dia	42	42	100 m	0.15	1998.81	2277.00	2552.32	2817.42	3075.51	231.67	192.52	159.03	
1.1.16.9	450 mm dia	33	33	100 m	0.15	2543.94	2898.00	3248.40	3585.80	3914.29	294.85	245.02	202.40	
1.1.16.10	500 mm dia	30	30	100 m	0.15	2798.33	3187.80	3573.24	3944.39	4305.72	324.34	269.52	222.64	
1.1.16.11	600 mm dia	24	24	100 m	0.15	3497.92	3984.75	4466.55	4930.48	5382.14	405.42	336.90	278.30	
1.1.17	R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, S.C.I. pipes, C.I. pipes and unreinforced cement pipes													
1.1.17.1	100 mm dia	366	366	100 m	0.15	229.37	261.30	292.89	323.31	352.93	26.59	22.09	18.25	
1.1.17.2	125 mm dia	274	274	100 m	0.15	306.39	349.03	391.23	431.87	471.43	35.51	29.51	24.38	
1.1.17.3	150 mm dia	219.6	219.6	100 m	0.15	382.29	435.49	488.15	538.85	588.21	44.31	36.82	30.42	
1.1.17.4	200 mm dia	135	135	100 m	0.15	621.85	708.40	794.05	876.53	956.83	72.08	59.89	49.48	
1.1.17.5	250 mm dia	95	95	100 m	0.15	883.68	1006.67	1128.39	1245.60	1359.70	102.42	85.11	70.31	
1.1.17.6	300 mm dia	76.86	76.86	100 m	0.15	1092.25	1244.26	1394.71	1539.57	1680.61	126.60	105.20	86.90	
1.1.17.7	350 mm dia	54.9	54.9	100 m	0.15	1529.14	1741.97	1952.59	2155.40	2352.85	177.23	147.28	121.66	
1.1.17.8	400 mm dia	40.26	40.26	100 m	0.15	2085.20	2375.41	2662.62	2939.18	3208.43	241.68	200.84	165.90	
1.1.17.9	450 mm & 500 mm dia	32.94	32.94	100 m	0.15	2548.57	2903.28	3254.32	3592.34	3921.42	295.39	245.47	202.77	
1.1.17.10	600, 700, 750 & 800 mm dia	21.96	21.96	100 m	0.15	3822.86	4354.92	4881.48	5388.50	5882.12	443.09	368.20	304.15	
1.1.17.11	900 mm dia	14.64	14.64	100 m	0.15	5734.29	6532.38	7322.22	8082.76	8823.19	664.63	552.30	456.23	
1.1.17.12	1000, 1100 & 1200 mm dia	10.98	10.98	100 m	0.15	7645.72	8709.84	9762.96	10777.01	11764.25	886.17	736.40	608.31	

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.00 trips of 8 cum capacity.				
	LABOUR				
0084	Hire charges of Diesel Truck - 9 tonne				
	excluding diesel & mobile oil	day	1.00	1500.00	1500.00
0114	Beldar	day	6.00	558.00	3348.00
1235	Diesel oil	litre	12.88	73.50	946.68
5001	Mobil oil (64km/140=0.46 liter)	litre	0.46	315.00	144.90
	TOTAL				5939.58
	Add 15% CPOH on "X"				890.94
	Cost for 3.00 trips of capacity 8 cum				6830.52
	Cost per trip of capacity per cum				284.60
	Say				284.60

1.0 CARRIAGE OF MATERIALS

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

Data Sheet for Analysis of Rates

Code	Name	Unit	Rate ₹
0114	Beldar	day	558.00
0115	Coolie	day	558.00

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

0114/0115 Beldars (Male/Female) 7.67 Nos. @ ₹ 558.00 = ₹ 4279.86 (X)

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

NOTE : 1.67 extra coolie(Female coolie) will be required for every additional lead of 50 metre 0115 coolie1.67 Nos @ ₹ 558.00 = ₹ 931.86 (Y)

Lead in Metres	Cost per 8 hours day	Increase in cost for every additional 50
(X)		(Y)
50 metres	4279.86	931.86

Code No.	Material	Capacity per Trip	Net Qty Payable after deduction for looseness	Unit of rates Rs.	C.P. & Over heads @ 15%	Cost per 8 hours day	Cost per unit	
							cost for 1st 50 metres	cost for addl. 50 m or part thereof beyond 1 st 50 m upto 0.50 km.
1	2	3	4	5	6	7	8	9
1.2.1	Lime, moorum, building rubbish	35	35	cum	0.15	4921.84	140.62	30.62
1.2.2	Earth	35	28	cum	0.15	4921.84	175.78	38.27
1.2.3	Manure or sludge	35	32.2	cum	0.15	4921.84	152.85	33.28
1.2.4	Excavated rock	35	17.5	cum	0.15	4921.84	281.25	61.24
1.2.5	Sand, stone aggregate below 40 mm nominal size	28	28	cum	0.15	4921.84	175.78	38.27
1.2.6	Stone aggregate 40 mm nominal size and above	28	25.9	cum	0.15	4921.84	190.03	41.38
1.2.7	Soling stone	28	23.8	cum	0.15	4921.84	206.80	45.03
1.2.8	Bricks	15000 Nos	15000 Nos	1000 Nos	0.15	4921.84	328.12	71.44
1.2.9	Brick Tiles	24000 Nos	24000 Nos	1000 Nos	0.15	4921.84	205.08	44.65
1.2.10	Steam Coal	30 tonne	30 tonne	tonne	0.15	4921.84	164.06	35.72

1.0 CARRIAGE OF MATERIALS

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

Data Sheet for Analysis of Rates

Code	Name	Unit	Rate ₹
0114	Beldar	Day	558.00
0115	Coolie	Day	558.00

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

0114 Beldars 9.20 Nos @ ₹ 558.00 = ₹ 5133.60 (X)

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

NOTE:- 1.35 extra Beldar will be required for every additional lead of 50 metre 0114 coolie 1.35 Nos @ ₹ 558.00 = ₹ 753.30 (Y)

S. No	Material	Capacity per Trip	Net Qty payable after deduction for loose-ness	Unit of Rates	C.P. & Over head @ 15%	Cost per 8 hours day ₹	Cost per unit ₹	
							Cost for 1st 50 metres	Cost for addl. 50 m or part thereof beyond 1 st 50 m upto 0.50 km
1	2	3	4	5	6	7	8	9
1.2.11	Stone blocks,G.I.,C.I. Stainless Steel pipes below 100 mm dia and other heavy material	46 t	46	tonne	0.15	5903.64	128.34	18.83
1.2.12	Cement	57.99 t	57.99	tonne	0.15	5903.64	101.80	14.94
1.2.13	Steel	27 t	27	tonne	0.15	5903.64	218.65	32.09
1.2.14	Timber	42 cum	42	cum	0.15	5903.64	140.56	20.63
1.2.15	Tar, bitumen etc.	46 t	46	tonne	0.15	5903.64	128.34	18.83
1.2.16	S.W. pipe							
1.2.16.1	100 mm dia	2298 m	2298	100 m	0.15	5903.64	256.90	37.70
1.2.16.2	150 mm dia	1398 m	1398	100 m	0.15	5903.64	422.29	61.97
1.2.16.3	200 mm dia	999 m	999	100 m	0.15	5903.64	590.95	86.72
1.2.16.5	250 mm dia	600 m	600	100 m	0.15	5903.64	983.94	144.38
1.2.16.6	300 mm dia	420 m	420	100 m	0.15	5903.64	1405.63	206.26
1.2.16.7	350 mm dia	300 m	300	100 m	0.15	5903.64	1967.88	288.77
1.2.16.8	400 mm dia	240 m	240	100 m	0.15	5903.64	2459.85	360.96
1.2.16.9	450 mm dia	198 m	198	100 m	0.15	5903.64	2981.64	437.52
1.2.16.10	500 mm dia	162 m	162	100 m	0.15	5903.64	3644.22	534.75
1.2.16.11	600 mm dia	132 m	132	100 m	0.15	5903.64	4472.45	656.28
1.2.17	R.C.C. pipes, Steel cylinder, R.C. pipes, C.I. pipes and unreinforced cement pipes							
1.2.17.1	100 mm dia	1702 m	1702	100 m	0.15	5903.64	346.86	50.90
1.2.17.2	125 mm dia	1391 m	1391	100 m	0.15	5903.64	424.42	62.28
1.2.17.3	150 mm dia	1208 m	1208	100 m	0.15	5903.64	488.71	71.71
1.2.17.4	200 mm dia	805 m	805	100 m	0.15	5903.64	733.37	107.61

1	2	3	4	5	6	7	8	9
1.2.17.5	250 mm dia	458 m	458	100 m	0.15	5903.64	1289.00	189.15
1.2.17.6	300 mm dia	366 m	366	100 m	0.15	5903.64	1613.02	236.69
1.2.17.7	350 mm dia	256 m	256	100 m	0.15	5903.64	2306.11	338.40
1.2.17.8	400 mm dia	220 m	220	100 m	0.15	5903.64	2683.47	393.77
1.2.17.9	450 mm & 500 mm dia	165 m	165	100 m	0.15	5903.64	3577.96	525.03
1.2.17.10	600, 700, 750 & 800 mm dia	150 m	150	100 m	0.15	5903.64	3935.76	577.53

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of 23 tonnes of cement				
9999	LABOUR				
	Beldar	day	3.75	558.00	2092.50
	Sundries Add for sweeping the wagon, screening the swept cement and filling the same in bags	L.S.	2.62	2.00	5.24
	TOTAL				2097.74 Y
	Add 15% CPOH on "Y"				314.66
	Cost of 23 tonne				2412.40
	Cost of 1 tonne				104.89
	Say				104.90

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

1.4.1 Steel

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of 44 tonnes of steel				
	LABOUR				
	Beldar	day	10.66	558.00	5948.28
	TOTAL				5948.28 Y
	Add 15% CPOH on "Y"				892.24
	Cost of 44 tonne				6840.52
	Cost of 1 tonne				155.47
	Say				155.45

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost of unloading wagon of 14 tonnes				
9999	LABOUR				
	Beldar	day	2.00	558.00	1116.00
	Sundries	L.S.	3.10	2.00	6.20
	TOTAL				1122.20 Y
	Add 15% CPOH on "Y"				168.33
	Cost of 14 tonne				1290.53
	Cost of 1 tonne				92.18
	Say				92.20

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of unloading wagon of 14 tonnes				
	LABOUR				
0114	Beldar	day	3.25	558.00	1813.50
9999	Extra for fixing crane including labour involved	L.S.	91.15	2.00	182.30
9999	Sundries	L.S.	7.40	2.00	14.80
	TOTAL				2010.60 Y
	Add 15% CPOH on "Y"				301.59
	Cost of 14 tonne				2312.19
	Cost of 1 tonne				165.16
	Say				165.15

SUB HEAD : 2.0
EARTH WORK

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

2.1.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 100 Sqm LABOUR				
0115	Beldar	day	6.80	558.00	3794.40
	Coolie	day	5.60	558.00	3124.80
	TOTAL				6919.20 W
	Add 1 % Water charges on "W"				69.19
	TOTAL				6988.39 X
	Add GST on "X" (multiplying factor 0.1405)				981.87
	TOTAL				7970.26 Y
	Add 15% CPOH on "Y"				1195.54
	TOTAL				9165.80 Z
	Add Cess @ 1% on "Z"				91.66
	Cost of 100 sqm				9257.46
	Cost of 1 sqm				92.57
	Say				92.55

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

2.2.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 10 cum. LABOUR				
0115	Beldar	day	5.90	558.00	3292.20
0101	Coolie	day	3.60	558.00	2008.80
0113	Bhisti	day	0.40	617.00	246.80
	Chowkidar	day	0.008	558.00	4.46
	Roller charges (one roller does 1850 sqm. Of consolidation per day)				
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	0.008	3000.00	24.00
9999	Sundries	L.S.	2.73	2.00	5.46
	TOTAL				5581.72 W
	Add 1 % Water charges on "W"				55.82
	TOTAL				5637.54 X
	Add GST on "X" (multiplying factor 0.1405)				792.07
	TOTAL				6429.62 Y
	Add 15% CPOH on "Y"				964.44
	TOTAL				7394.06 Z
	Add Cess @ 1% on "Z"				73.94
	Cost of 10 cum.				7468.00
	Cost of 1 cum.				746.80
	Say				746.80

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

2.3.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum. LABOUR				
0114	Beldar	day	2.20	558.00	1227.60
0115	Coolie	day	3.60	558.00	2008.80
0101	Bhisti	day	0.40	617.00	246.80
	Roller charges (one roller does 1850 sqm. Of consolidation per day)				
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	0.008	3000.00	24.00
0113	Chowkidar	day	0.008	558.00	4.46
9999	Sundries	L.S.	2.73	2.00	5.46
	TOTAL				3517.12 W
	Add 1 % Water charges on "W"				35.17
	TOTAL				3552.30 X
	Add GST on "X" (multiplying factor 0.1405)				499.10
	TOTAL				4051.39 Y
	Add 15% CPOH on "Y"				607.71
	TOTAL				4659.10 Z
	Add Cess @ 1% on "Z"				46.59
	Cost of 10 cum.				4705.69
	Cost of 1 cum.				470.57
	Say				470.55

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum. LABOUR				
0113	Chowkidar	day	0.008	558.00	4.46
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	0.008	3000.00	24.00
9999	Sundries	L.S.	1.82	2.00	3.64
	TOTAL				32.10 W
	Add 1 % Water charges on "W"				0.32
	TOTAL				32.43 X
	Add GST on "X" (multiplying factor 0.1405)				4.56
	TOTAL				36.98 Y
	Add 15% CPOH on "Y"				5.55
	TOTAL				42.53 Z
	Add Cess @ 1% on "Z"				0.43
	Cost of 10 cum.				42.95
	Cost of 1 cum.				4.30
	Say				4.30

2.5 Deduct for not watering the excavated earth for banking

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Details of cost for 10 cum. LABOUR Bhisti TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 cum. Cost of 1 cum. Say	day	0.40	617.00	246.80 246.80 W 2.47 249.27 X 35.02 284.29 Y 42.64 326.93 Z 3.27 330.20 33.02 33.00

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

2.6.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. Average output of Hydraulic Excavator per hour = 30cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.041	7000.00	287.00
0018	Hire and running charges of loader.	day	0.041	5000.00	205.00
0128	LABOUR Mate	day	0.32	617.00	197.44
0115	Coolie	day	1.20	558.00	669.60
	TOTAL				1359.04 W
	Add 1 % Water charges on "W"				13.59
	TOTAL				1372.63 X
	Add GST on "X" (multiplying factor 0.1405)				192.85
	TOTAL				1565.48 Y
	Add 15% CPOH on "Y"				234.82
	TOTAL				1800.31 Z
	Add Cess @ 1% on "Z"				18.00
	Cost of 10 cum.				1818.31
	Cost of 1 cum.				181.83
	Say				181.85

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

2.7.1 Ordinary rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.063	7000.00	441.00
0017	Hire and running charges of tipper	day	0.063	1700.00	107.10
0132	Rock Excavator	day	0.705	558.00	393.39
0133	Rock Breaker	day	1.59	558.00	887.22
0134	Rock Hole Driller	day	0.355	558.00	198.09
	LABOUR				
0114	Beldar	day	0.50	558.00	279.00
0115	Coolie	day	0.55	558.00	306.90
9999	Sundries	L.S.	10.79	2.00	21.58
	TOTAL				2634.28 W
	Add 1 % Water charges on "W"				26.34
	TOTAL				2660.62 X
	Add GST on "X" (multiplying factor 0.1405)				373.82
	TOTAL				3034.44 Y
	Add 15% CPOH on "Y"				455.17
	TOTAL				3489.61 Z
	Add Cess @ 1% on "Z"				34.90
	Cost of 10 cum.				3524.50
	Cost of 1 cum.				352.45
	Say				352.45

2.7.2 Hard rock (requiring blasting)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7000.00	875.00
0017	Hire and running charges of tipper	day	0.125	1700.00	212.50
0132	Rock Excavator	day	1.06	558.00	591.48
0133	Rock Breaker	day	2.825	558.00	1576.35
0134	Rock Hole Driller	day	0.885	558.00	493.83
	LABOUR				
0114	Beldar	day	0.45	558.00	251.10
0115	Coolie	day	0.55	558.00	306.90
0325	Blasting powder	kilogram	3.93	40.00	157.20
0326	Blasting fuse (fuse wire)	each	4.00	15.00	60.00
9999	Sundries	L.S.	16.12	2.00	32.24
	TOTAL				4556.60 W
	Add 1 % Water charges on "W"				45.57
	TOTAL				4602.17 X
	Add GST on "X" (multiplying factor 0.1405)				646.60
	TOTAL				5248.77 Y
	Add 15% CPOH on "Y"				787.32
	TOTAL				6036.09 Z
	Add Cess @ 1% on "Z"				60.36
	Cost of 10 cum.				6096.45
	Cost of 1 cum.				609.64
	Say				609.65

2.7.3 Hard rock (blasting prohibited)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7000.00	875.00
0017	Hire and running charges of tipper	day	0.125	1700.00	212.50
0132	Rock Excavator	day	2.47	558.00	1378.26
0133	Rock Breaker	day	6.00	558.00	3348.00
0135	Stone Chiseller	day	1.06	617.00	654.02
0103	Blacksmith 2nd class	day	0.175	679.00	118.83
0114	Beldar	day	0.75	558.00	418.50
0115	Coolie	day	1.00	558.00	558.00
9999	Sundries	L.S.	16.12	2.00	32.24
	TOTAL				7595.35 W
	Add 1 % Water charges on "W"				75.95
	TOTAL				7671.30 X
	Add GST on "X" (multiplying factor 0.1405)				1077.82
	TOTAL				8749.12 Y
	Add 15% CPOH on "Y"				1312.37
	TOTAL				10061.48 Z
	Add Cess @ 1% on "Z"				100.61
	Cost of 10 cum.				10162.10
	Cost of 1 cum.				1016.21
	Say				1016.20

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

2.8.1 All kinds of soil.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0020	Details of cost for 10 cum. MACHINERY Hydraulic Excavator (3D) with driver and fuel.	day	0.04125	7000.00	288.75
0018	Hire and running charges of loader.	day	0.04125	5000.00	206.25
	LABOUR				
0128	Mate	day	0.40	617.00	246.80
0115	Coolie	day	2.05	558.00	1143.90
	TOTAL				1885.70 W
	Add 1 % Water charges on "W"				18.86
	TOTAL				1904.56 X
	Add GST on "X" (multiplying factor 0.1405)				267.59
	TOTAL				2172.15 Y
	Add 15% CPOH on "Y"				325.82
	TOTAL				2497.97 Z
	Add Cess @ 1% on "Z"				24.98
	Cost of 10 cum.				2522.95
	Cost of 1 cum.				252.29
	Say				252.30

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

2.9.1 Ordinary rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum.				
	MACHINERY				
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.0625	7000.00	437.50
0017	Hire and running charges of tipper	day	0.0625	1700.00	106.25
	LABOUR				
0132	Rock Excavator	day	0.885	558.00	493.83
0133	Rock Breaker	day	1.765	558.00	984.87
0134	Rock Hole Driller	day	0.53	558.00	295.74
0114	Beldar	day	0.50	558.00	279.00
0115	Coolie	day	1.30	558.00	725.40
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				3349.63 W
	Add 1 % Water charges on "W"				33.50
	TOTAL				3383.13 X
	Add GST on "X" (multiplying factor 0.1405)				475.33
	TOTAL				3858.46 Y
	Add 15% CPOH on "Y"				578.77
	TOTAL				4437.22 Z
	Add Cess @ 1% on "Z"				44.37
	Cost of 10 cum.				4481.60
	Cost of 1 cum.				448.16
	Say				448.15

2.9.2 Hard rock (requiring blasting)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum.				
	MACHINERY				
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7000.00	875.00
0017	Hire and running charges of tipper	day	0.125	1700.00	212.50
	LABOUR				
0132	Rock Excavator	day	1.24	558.00	691.92
0133	Rock Breaker	day	3.00	558.00	1674.00
0134	Rock Hole Driller	day	1.06	558.00	591.48
0114	Beldar	day	0.50	558.00	279.00
0115	Coolie	day	1.30	558.00	725.40
0325	Blasting powder	kilogram	6.42	40.00	256.80
0326	Blasting fuse (fuse wire)	each	7.00	15.00	105.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	18.85	2.00	37.70
	TOTAL				5448.80 W
	Add 1 % Water charges on "W"				54.49
	TOTAL				5503.29 X
	Add GST on "X" (multiplying factor 0.1405)				773.21
	TOTAL				6276.50 Y
	Add 15% CPOH on "Y"				941.47
	TOTAL				7217.97 Z
	Add Cess @ 1% on "Z"				72.18
	Cost of 10 cum.				7290.15
	Cost of 1 cum.				729.02
	Say				729.00

2.9.3 Hard rock (blasting prohibited)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum.				
	MACHINERY				
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7000.00	875.00
0017	Hire and running charges of tipper	day	0.125	1700.00	212.50
	LABOUR				
0132	Rock Excavator	day	2.65	558.00	1478.70
0133	Rock Breaker	day	6.175	558.00	3445.65
0135	Stone Chiseller	day	1.06	617.00	654.02
0103	Blacksmith 2nd class	day	0.175	679.00	118.83
0114	Beldar	day	0.75	558.00	418.50
0115	Coolie	day	1.50	558.00	837.00
9999	Sundries	L.S.	17.94	2.00	35.88
	TOTAL				8076.08 W
	Add 1 % Water charges on "W"				80.76
	TOTAL				8156.84 X
	Add GST on "X" (multiplying factor 0.1405)				1146.04
	TOTAL				9302.87 Y
	Add 15% CPOH on "Y"				1395.43
	TOTAL				10698.30 Z
	Add Cess @ 1% on "Z"				106.98
	Cost of 10 cum.				10805.28
	Cost of 1 cum.				1080.53
	Say				1080.55

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

2.10.1 All kinds of soil

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Details of cost for 180m length of a pipe of an average dia. say 40mm. Slope assumed 1 in 200. Earth work and filling- Minimum depth of trench 60cm. Average depth = $(0.6+1.5)/2 = 1.05$, Width for this depth 0.45 cm, $180 \times 0.45 \times 1.05 = 85.05$ cum Rate as per item no. 2.8.1 of SH: Earth work	cum	85.05	252.30	21458.12 A
2.25	Rate as per Item Number 2.25 of SH: Earth Work	cum	85.05	219.65	18681.23 A
	TOTAL				40139.35
	Cost of 180m length of pipes				40139.35
	Cost for 1m. length of pipe				223.00
	Say				223.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Details of cost for 110m length of a pipe of an average dia. say 200mm. Slope assumed 1 in 200. Earth work and filling- Minimum depth of trench = $0.75+0.20 = 0.95$ m, Average depth = $(1.50+0.95)/2 = 1.225$ m, Width = $0.40 + 0.20 = 0.60$ m, $110 \times 0.60 \times 1.225 = 80.85$ cum, 5% for collars = 4.04 cum, Total = 84.89 cum Rate as per item no. 2.8.1 of SH: Earth work	cum	84.89	252.30	21417.75 A
2.25	Rate as per Item Number 2.25 of SH: Earth Work	cum	84.89	219.65	18646.09 A
	TOTAL				40063.84
	Cost of 110m length of pipe				40063.84
	Cost for 1m length of pipe				364.22
	Say				364.20

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	0.40 + 0.45 = 0.85 m, 60x0.85x1.35 = 68.85 cum, 5% for collars = 3.44 cum, Total = 72.29 cum Rate as per item no. 2.8.1 of SH: Earth work	cum	72.29	252.30	18238.77 A
2.25	Rate as per Item Number 2.25 of SH: Earth Work	cum	72.29	219.65	15878.50 A
	TOTAL				34117.27
	Cost of 60m length of pipe				34117.27
	Cost for 1m length of pipe				568.62
	Say				568.60

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Details of cost for 300m length of pipe of an average dia. say 200mm (rate in percentage), Slope assumed 1 in 200. 100x0.60x1.75 = 105.00 cum, 200x0.60x2.00 = 240.00 cum. Total = 345.00 cum. Collars 5%= 17.25 cum. Total = 362.25 cum. Rate as per item no. 2.8.1 of SH: Earth work	cum	362.25	252.30	91395.68
2.25	Rate as per Item Number 2.25 of SH: Earth Work	cum	362.25	219.65	79568.21
2.6.1	1/2x200x1.60x1 = 160 cum Rate as per Item Number 2.6.1 of SH: Earth Work	cum	160.00	181.85	29096.00
2.25	Rate as per Item Number 2.25 of SH: Earth Work	cum	160.00	219.65	35144.00
2.26.1	Extra for additional lift 1/2x200x0.60x1.50 = 135.00 cum Collars 5%=6.75 cum. Total= 141.75 cum Rate as per Item Number 2.26.1 of SH: Earth Work	cum	141.75	90.40	12814.20
2.10.1.2	Cost for 300 m. length of pipe Rate as per Item Number 2.10.1.2 of SH:Earth Work (Cost for 300 m. length of pipe upto 1.5 m depth) Extra cost for 300 metre = R = P + Q Extra cost for one metre = R/300 Percentage increase over item no 2.10.1.2 =(Rx100)/Q Say	metre	-300.00	364.20	248018.09 P -109260.00 Q 138758.09 R 462.53 127.00 127.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a 100m length of a pipe of an average dia. say 200mm Slope assumed 1 in 200. Earth work and filling- $1 \times 100 \times 0.60 \times 2 = 120$ cum Collars 5% = 6 cum. Total = 126 cum.				
2.8.1	Rate as per item no. 2.8.1 of SH: Earth work	cum	126.00	252.30	31789.80
2.25	Rate as per item No.2.25 of SH: Earth work Earth work $100 \times 1.60 \times 1.25 = 200$ cum	cum	126.00	219.65	27675.90
2.6.1	Rate as per item no. 2.6.1 of SH: Earth work	cum	200.00	181.85	36370.00
2.25	Rate as per item No.2.25 of SH: Earth work	cum	200.00	219.65	43930.00
	Extra for additional lift $1 \times 100 \times 0.60 \times 1.50 = 90$ cum. $2 \times 0.50 \times 100 \times 0.60 \times 0.50 = 30$ cum. Total = 120 cum. Collars 5% = 6 cum. Total = 126 cum				
2.26.1	Rate as per item no. 2.26.1 of SH: Earth work	cum	126.00	90.40	11390.40
	Cost for 100 m. length of pipe				151156.10 P
2.10.1.2	Rate as per Item Number 2.10.1.2 of SH: Earth work (Cost for 100 m. length of pipe upto 1.5 m depth)	metre	-100.00	364.20	-36420.00 Q
	Extra cost for 100 metre = R = P+Q				114736.10 R
	Extra cost for one metre = R/100				1147.36
	Percentage increase over item no 2.10.1.2 $= (R \times 100) / Q$				315.04
	Say				315.05

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

2.13.1 Ordinary rock :

2.13.1.1 Pipes, cables etc. not exceeding 80 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 180 m length of a pipe of a average dia. say 40mm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.1	Slope assumed 1:200 Excavation- Quantity same as in item No.2.10.1.1 Rate as per Item Number 2.9.1 of SH: Earth Work	cum	85.05	448.15	38115.16 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	85.05	219.65	18681.23 A
0114	Extra labour for ramming of rock Beldar	day	2.00	558.00	1116.00
	TOTAL				57912.39 W
	Add 1 % Water charges on "W-A"				11.16
	TOTAL				57923.55 X
	Add GST on "X-A" (multiplying factor 0.1405)				158.37
	TOTAL				58081.92 Y
	Add 15% CPOH on "Y-A"				192.83
	TOTAL				58274.74 Z
	Add Cess @ 1% on "Z-A"				14.78
	Cost for 180 m. length of pipe				58289.53
	Cost for 1m. length of pipe				323.83
	Say				323.85

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.1	Details of cost for 80 m length of pipe of an average dia. Say 200mm. Slope assumed 1:200 Excavation- Minimum depth of trench. $0.75+0.15+0.20 = 1.10\text{m}$ Average depth = $(1.10+1.50)/2 = 1.30\text{m}$ Minimum width of trench = 0.90m $80 \times 0.90 \times 1.30 = 93.60 \text{ cum.}$				
2.9.1	Rate as per item no. 2.9.1 of SH: Earth Work	cum	93.60	448.15	41946.84 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	93.60	219.65	20559.24 A
0114	Extra labour for ramming of rock Beldar	day	2.20	558.00	1227.60
	TOTAL				63733.68 W
	Add 1 % Water charges on "W-A"				12.28
	TOTAL				63745.96 X
	Add GST on "X-A" (multiplying factor 0.1405)				174.20
	TOTAL				63920.16 Y
	Add 15% CPOH on "Y-A"				212.11
	TOTAL				64132.27 Z
	Add Cess @ 1% on "Z-A"				16.26
	Cost for 80 m. length of pipe				64148.53
	Cost for 1m. length of pipe				801.86
	Say				801.85

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 30 m. length of a pipe of an average dia. say 450mm. Slope assumed 1 in 200. Excavation- Minimum depth of trench. $0.75+0.15+0.45 = 1.35\text{m}$ Average depth = $(1.35+1.50)/2 = 1.425\text{m}$ Minimum width of trench = 0.90m $30 \times 0.90 \times 1.425 = 38.475 \text{ cum.}$ 5% for collar = 1.924cum Total = 40.399cum				
2.9.1	Rate as per item no. 2.9.1 of SH: Earth Work	cum	40.399	448.15	18104.81 A
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	40.399	219.65	8873.64 A
0114	Beldar	day	0.94	558.00	524.52
	TOTAL				27502.97 W
	Add 1 % Water charges on "W-A"				5.25
	TOTAL				27508.22 X
	Add GST on "X-A" (multiplying factor 0.1405)				74.43
	TOTAL				27582.65 Y
	Add 15% CPOH on "Y-A"				90.63
	TOTAL				27673.28 Z
	Add Cess @ 1% on "Z-A"				6.95
	Cost for 30 m length of a pipe				27680.23
	Cost for one m length of a pipe				922.67
	Say				922.65

2.13.2 Hard rock (requiring blasting)

2.13.2.1 Pipes, cables etc. not exceeding 80 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 180 m length of a pipe of a average dia. say 40mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.10.1.1				
2.9.2	Rate as per item no. 2.9.2 of SH: Earth Work	cum	85.05	729.00	62001.45 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	85.05	219.65	18681.23 A
	Extra labour for ramming of rock				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	2.50	558.00	1395.00
	TOTAL				82077.68 W
	Add 1 % Water charges on "W-A"				13.95
	TOTAL				82091.63 X
	Add GST on "X-A" (multiplying factor 0.1405)				197.96
	TOTAL				82289.59 Y
	Add 15% CPOH on "Y-A"				241.04
	TOTAL				82530.63 Z
	Add Cess @ 1% on "Z-A"				18.48
	Cost for 180 m. length of pipe				82549.11
	Cost for 1m. length of pipe				458.61
	Say				458.60

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Details of cost for 80 m length of a pipe of an average dia. say 200mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.13.1.2 Rate as per item no. 2.9.2 of SH: Earth Work	cum	93.60	729.00	68234.40 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	93.60	219.65	20559.24 A
0114	Extra labour for ramming of rock Beldar	day	2.75	558.00	1534.50
	TOTAL				90328.14 W
	Add 1 % Water charges on "W-A"				15.34
	TOTAL				90343.49 X
	Add GST on "X-A" (multiplying factor 0.1405)				217.75
	TOTAL				90561.24 Y
	Add 15% CPOH on "Y-A"				265.14
	TOTAL				90826.38 Z
	Add Cess @ 1% on "Z-A"				20.33
	Cost for 80 m. length of pipe				90846.71
	Cost for 1m. length of pipe				1135.58
	Say				1135.60

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Rate as per item no. 2.9.2 of SH: Earth Work	cum	40.399	729.00	29450.87 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	40.399	219.65	8873.64 A
0114	Extra labour for ramming of rock Beldar	day	1.17	558.00	652.86
	TOTAL				38977.37 W
	Add 1 % Water charges on "W-A"				6.53
	TOTAL				38983.90 X
	Add GST on "X-A" (multiplying factor 0.1405)				92.64
	TOTAL				39076.54 Y
	Add 15% CPOH on "Y-A"				112.80
	TOTAL				39189.35 Z
	Add Cess @ 1% on "Z-A"				8.65
	Cost for 30 m. length of pipe				39198.00
	Cost for 1m. length of pipe				1306.60
	Say				1306.60

2.13.3 Hard rock (blasting prohibited)

2.13.3.1 Pipes, cables etc. not exceeding 80 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.3	Details of cost for 180 m length of a pipe of a average dia. say 40mm. Slope assumed 1:200				
	Excavation- Quantity same as in item No.2.10.1.1				
2.9.3	Rate of item no 2.9.3 of SH: Earth Work	cum	85.05	1080.55	91900.78 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	85.05	219.65	18681.23 A
0114	Extra labour for ramming of rock Beldar	day	2.50	558.00	1395.00
	TOTAL				111977.01 W
	Add 1 % Water charges on "W-A"				13.95
	TOTAL				111990.96 X
	Add GST on "X-A" (multiplying factor 0.1405)				197.96
	TOTAL				112188.92 Y
	Add 15% CPOH on "Y-A"				241.04
	TOTAL				112429.95 Z
	Add Cess @ 1% on "Z-A"				18.48
	Cost for 180 m. length of pipe				112448.43
	Cost for 1m. length of pipe				624.71
	Say				624.70

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.3	Details of cost for 80 m length of a pipe of an average dia. say 200mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.13.1.2 Rate as per item no. 2.9.3 of SH: Earth Work	cum	93.60	1080.55	101139.48 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	93.60	219.65	20559.24 A
0114	Extra labour for ramming of rock Beldar	day	2.75	558.00	1534.50
	TOTAL				123233.22 W
	Add 1 % Water charges on "W-A"				15.35
	TOTAL				123248.57 X
	Add GST on "X-A" (multiplying factor 0.1405)				217.75
	TOTAL				123466.32 Y
	Add 15% CPOH on "Y-A"				265.14
	TOTAL				123731.46 Z
	Add Cess @ 1% on "Z-A"				20.33
	Cost for 80 m. length of pipe				123751.79
	Cost for 1m. length of pipe				1546.90
	Say				1546.90

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.3	Details of cost for 30 m length of a pipe of an average dia. Say 450mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.13.1.3 Rate as per item no. 2.9.3 of SH: Earth Work	cum	40.399	1080.55	43653.14 A
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	40.399	219.65	8873.64 A
0114	Extra labour for ramming of rock Beldar	day	1.17	558.00	652.86
	TOTAL				53179.64 W
	Add 1 % Water charges on "W-A"				6.53
	TOTAL				53186.17 X
	Add GST on "X-A" (multiplying factor 0.1405)				92.64
	TOTAL				53278.81 Y
	Add 15% CPOH on "Y-A"				112.80
	TOTAL				53391.62 Z
	Add Cess @ 1% on "Z-A"				8.65
	Cost for 30 m. length of pipe				53400.27
	Cost for 1m. length of pipe				1780.01
	Say				1780.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 300m length of a pipe of an average dia. say 200mm. Slope assumed 1 in 200. Excavation- 100x0.90x1.50 = 157.50 cum. 200x0.90x20.00 = 360 cum. Total = 517.50 cum.				
2.9.2	Rate as per item no. 2.9.2 of SH: Earth Work	cum	517.50	729.00	377257.50 A
2.7.2	0.50x200x1.90x1 = 190 cum. Rate as per item no. 2.7.2 of SH: Earth Work	cum	190.00	609.65	115833.50 A
2.25	Refilling, ramming and watering 517.50+190.00 = 707.50 cum. Rate as per item No.2.25 of SH: Earth Work	cum	707.50	219.65	155402.38 A
2.26.2	Extra for additional lift 0.5x300x0.9x1.5 = 202.50 cum. Rate as per item no. 2.26.2 of SH: Earth Work	cum	202.50	162.10	32825.25 A
0114	Extra labour for ramming of rock Beldar	day	16.50	558.00	9207.00
	TOTAL				690525.63 W
	Add 1 % Water charges on "W-A"				92.07
	TOTAL				690617.70 X
	Add GST on "X-A" (multiplying factor 0.1405)				1306.52
	TOTAL				691924.21 Y
	Add 15% CPOH on "Y-A"				1590.84
	TOTAL				693515.05 Z
	Add Cess @ 1% on "Z-A"				121.96
2.13.2.2	Cost for 300m length of pipe Rate as per Item No.2.13.2.2 of SH: Earth Work	metre	-300.00	1135.60	693637.02 P
	(cost of 300 m length of pipe upto 1.5m depth)				
	Extra cost for 300 metre = P + Q				352957.02 R
	Extra cost for one metre				1176.52
	Percentage increase over item 2.13.2.2 = (Rx100)/Q				103.60
	Say				103.60

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Max depth assumed 3.5m Excavation- 100x0.90x2 = 180 cum. Rate as per item no. 2.9.2 of SH: Earth Work	cum	180.00	729.00	131220.00 A
2.7.2	100x1.90x1.25 = 237.5 cum Rate as per item no. 2.7.2 of SH: Earth Work	cum	237.50	609.65	144791.88 A
2.26.2	Extra for additional lift 1x100x0.90x1.50 = 135 2x0.50x100x0.90x0.50 = 45 Total = 180 cum. Rate as per item no. 2.26.2 of SH: Earth Work	cum	180.00	162.10	29178.00 A
2.25	Refilling, ramming and watering 180+237.50 = 417.50 cum. Rate as per item No.2.25 of SH: Earth Work	cum	417.50	219.65	91703.88 A
0114	Extra labour for ramming of rock Beldar	day	9.25	558.00	5161.50
	TOTAL				402055.25 W
	Add 1 % Water charges on "W-A"				51.62
	TOTAL				402106.87 X
	Add GST on "X-A" (multiplying factor 0.1405)				732.44
	TOTAL				402839.31 Y
	Add 15% CPOH on "Y-A"				891.83
	TOTAL				403731.14 Z
	Add Cess @ 1% on "Z-A"				68.37
	Cost for 100m length of pipe				403799.52 P
2.13.2.2	Rate as per item No 2.13.2.2 of SH: Earth Work (cost of 100 m length of pipe exceeding 1.5 m and upto 3 m depth)	metre	-100.00	1135.60	-113560.00 Q
	Extra cost for 100 m = P + Q				290239.52 R
	Extra cost for 1 m				2902.40
	Percentage increase over item 2.13.2.2 = (Rx100)Q				255.58
	Say				255.60

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

2.16.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a trench 30m long and 1.5m deep area 2x30x1.50=90 sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Second class kail wood in planks 90x0.038 = 3.42 cum = 3420 cudm Qty taken for cost of using once after deducting for credit = 3420x1/4x1/4 = 213.75 dm³	10 cudm	21.375	260.00	5557.50
1197	Wallings 100mmx 100mm of Second class kail wood in scantling 4x30x0.10x0.10 = 1.20cum= 1200 cudm Qty taken for cost of using once after deducting for credit = 1200x1/4x1/4 = 75 dm³	10 cudm	7.50	260.00	1950.00
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.50 = 51m Qty taken for cost of using once after deducting for credit = 51x1/4x1/4 = 3.1875 m CARRIAGE Poling boards = 3.42 cum Walling = 1.20 cum. Balli struts: 3.14/4x(0.125)³x51 = 0.63 cum Total of carriage = 5.25x1/4 = 1.3125 cum.	metre	3.1875	40.00	127.50
2204	Carriage of Timber	cum	1.3125	118.59	155.65
0112	Carpenter 2nd class	day	0.50	679.00	339.50
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				8741.97 W
	Add 1 % Water charges on "W"				87.42
	TOTAL				8829.39 X
	Add GST on "X" (multiplying factor 0.1405)				1240.53
	TOTAL				10069.92 Y
	Add 15% CPOH on "Y"				1510.49
	TOTAL				11580.41 Z
	Add Cess @ 1% on "Z"				115.80
	Cost of 90 Sqm.				11696.21
	Cost per sqm.				129.96
	Say				129.95

2.16.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a trench 30m long and 1.5m deep Area 2x30x1.50=90 sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Second class kail wood in planks 90x0.038 = 3.42 cum = 3420 cudm Qty taken for cost of using once after deducting for credit = 3420x $\frac{1}{4}$ x $\frac{1}{4}$ = 213.75 dm ³	10 cudm	21.375	260.00	5557.50
1197	Walings 100 mmx 100mm of Second class kail wood in scantling 4x30x0.10x0.10 = 1.20cum = 1200 cudm Qty taken for cost of using once after deducting for credit = 1200x $\frac{1}{4}$ x $\frac{1}{4}$ = 75 dm ³	10 cudm	7.50	260.00	1950.00
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.50 = 51m Qty taken for cost of using once after deducting for credit = 51x $\frac{1}{4}$ x $\frac{1}{4}$ = 3.1875 m CARRIAGE Poling boards = 3.42 cum Walling= 1.20 cum. Balli struts: 3.14/4x(0.125) ³ x51 = 0.63 cum Total of carriage = 5.25x $\frac{1}{4}$ = 1.3125 cum.	metre	3.1875	40.00	127.50
2204	Carriage of Timber	cum	1.3125	118.59	155.65
0112	Carpenter 2nd class	day	0.75	679.00	509.25
0114	Beldar	day	2.00	558.00	1116.00
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				9496.76 W
	Add 1 % Water charges on "W"				94.97
	TOTAL				9591.73 X
	Add GST on "X" (multiplying factor 0.1405)				1347.64
	TOTAL				10939.36 Y
	Add 15% CPOH on "Y"				1640.90
	TOTAL				12580.27 Z
	Add Cess @ 1% on "Z"				125.80
	Cost of 90 Sqm.				12706.07
	Cost per sqm.				141.18
	Say				141.20

2.16.3 Depth exceeding 3 m but not exceeding 4.5 m

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Second class kail wood in planks 90x0.038 = 3.42 cum = 3420 cudm Qty taken for cost of using once after deducting for credit = 3420x $\frac{1}{4}$ x $\frac{1}{4}$ = 213.75dm ³	10 cudm	21.375	260.00	5557.50
1197	Wallings 100mmx 100mm of Second class kail wood in scantling 4x30x0.10x0.10 = 1.20cum = 1200 dm ³ Qty taken for cost of using once after deducting for credit = 1200x $\frac{1}{4}$ x $\frac{1}{4}$ = 75 dm ³	10 cudm	7.50	260.00	1950.00
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.5 = 51m Qty taken for cost of using once after deducting for credit = 51x $\frac{1}{4}$ x $\frac{1}{4}$ = 3.1875 m	metre	3.1875	40.00	127.50
2204	CARRIAGE Poling boards = 3.42 cum Walling = 1.20 cum. Balli struts: 3.14/4x(0.125) ³ x51 = 0.63 cum Total of carriage = 5.25x $\frac{1}{4}$ = 1.3125 cum.	cum	1.3125	118.59	155.65
0112	LABOUR Carpenter 2nd class	day	1.50	679.00	1018.50
0114	Beldar	day	4.00	558.00	2232.00
9999	Sundries	L.S.	80.73	2.00	161.46
	TOTAL				11202.61 W
	Add 1 % Water charges on "W"				112.03
	TOTAL				11314.64 X
	Add GST on "X" (multiplying factor 0.1405)				1589.71
	TOTAL				12904.34 Y
	Add 15% CPOH on "Y"				1935.65
	TOTAL				14839.99 Z
	Add Cess @ 1% on "Z"				148.40
	Cost of 90 Sqm.				14988.39
	Cost per sqm.				166.54
	Say				166.55

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

2.17.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a manhole 1.2m x 1.0m x1.5m Surface area: 2x(1.2+1.0)x1.5 = 6.6sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks $6.60 \times 0.038 = 0.251 \text{ cum} = 251 \text{ cudm}$ Qty taken for cost of using once after deducting for credit = $251 \times \frac{1}{4} \times \frac{1}{4} = 15.6875 \text{ dm}^3$	10 cudm	1.56875	260.00	407.88
1197	Wallings 100mmx 100mm of Second class kail wood in scantling $2 \times 2 \times 1.124 \times 0.1 \times 0.1 = 0.045 \text{ cum}$ $2 \times 2 \times 0.924 \times 0.1 \times 0.1 = 0.037 \text{ cum.}$ Total Kail wood = 0.082 cum. = 82 dm^3 Qty taken for cost of using once after deducting for credit = $82 \times \frac{1}{4} \times \frac{1}{4} = 5.125 \text{ dm}^3$	10 cudm	0.5125	260.00	133.25
0302	Safeda ballies 125 mm diameter and 1.50m long $2 \times 2 \times 0.924 = 3.696$ $2 \times 2 \times 0.724 = 2.896$ Total of balli = 6.592m Qty taken for cost of using once after deducting for credit = $6.592 \times \frac{1}{4} \times \frac{1}{4} = 0.4118 \text{ m}$	metre	0.4118	40.00	16.47
2204	Carriage of Timber CARRIAGE Poling boards = 0.251 cum Walling = 0.082 cum. Balli struts $3.14/4 \times (0.125)^2 \times 6.59 = 0.081 \text{ cum.}$ Total of carriage = 0.414 cum $\times \frac{1}{4} = 0.1035 \text{ cum}$	cum	0.1035	118.59	12.27
0112	LABOUR Carpenter 2nd class	day	0.06	679.00	40.74
0114	Beldar	day	0.12	558.00	66.96
9999	Sundries	L.S.	2.73	2.00	5.46
	TOTAL				683.03 W
	Add 1 % Water charges on "W"				6.83
	TOTAL				689.86 X
	Add GST on "X" (multiplying factor 0.1405)				96.93
	TOTAL				786.79 Y
	Add 15% CPOH on "Y"				118.02
	TOTAL				904.80 Z
	Add Cess @ 1% on "Z"				9.05
	Cost of 6.6 sqm.				913.85
	Cost per sqm.				138.46
	Say				138.45

2.17.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a manhole 1.2m x 1.0m x1.5m- Surface area: $2 \times (1.2+1.0) \times 1.5 = 6.6 \text{ sqm}$ MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks $6.6 \times 0.038 = 0.251 \text{ cum} = 251 \text{ cudm}$ Qty taken for cost of using once after deducting for credit = $251 \times \frac{1}{4} \times \frac{1}{4} =$ 15.6875 dm^3	10 cudm	1.56875	260.00	407.88
1197	Walling of Second class kail wood in scantling $2 \times 2 \times 1.124 \times 0.1 \times 0.1 = 0.045 \text{ cum}$ $2 \times 2 \times 0.924 \times 0.1 \times 0.1 = 0.037 \text{ cum.}$ Total Kail wood = $0.082 \text{ cum.} = 82 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $82 \times \frac{1}{4} \times \frac{1}{4} =$ 5.125 dm^3	10 cudm	0.5125	260.00	133.25
0302	Safeda ballies 125 mm diameter and 1.5m long $2 \times 2 \times 0.924 = 3.696$ $2 \times 2 \times 0.724 = 2.896$ Total of balli = 6.592 m Qty taken for cost of using once after deducting for credit = $6.592 \times \frac{1}{4} \times \frac{1}{4} =$ 0.4118 m	metre	0.4118	40.00	16.47
2204	Carriage of Timber CARRIAGE Poling boards = 0.251 cum Walling = 0.082 cum. Balli struts $3.14/4 \times (0.125)^2 \times 6.59 =$ 0.081 cum. Total of carriage = $0.414 \text{ cum} \times \frac{1}{4} =$ 0.1035 cum LABOUR	cum	0.1035	118.59	12.27
0112	Carpenter 2nd class	day	0.12	679.00	81.48
0114	Beldar	day	0.25	558.00	139.50
9999	Sundries	L.S.	5.46	2.00	10.92
	TOTAL				801.77 W
	Add 1 % Water charges on "W"				8.02
	TOTAL				809.79 X
	Add GST on "X" (multiplying factor 0.1405)				113.78
	TOTAL				923.56 Y
	Add 15% CPOH on "Y"				138.53
	TOTAL				1062.10 Z
	Add Cess @ 1% on "Z"				10.62
	Cost of 6.6 sqm.				1072.72
	Cost per sqm.				162.53
	Say				162.55

2.17.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a manhole 1.2m x 1.0m x 1.5m- Surface area: $2 \times (1.2 + 1.0) \times 1.5 = 6.6 \text{ sqm}$ MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks $6.6 \times 0.038 = 0.251 \text{ cum} = 251 \text{ cu dm}$ Qty taken for cost of using once after deducting for credit = $251 \times \frac{1}{4} \times \frac{1}{4} =$ 15.6875 dm^3	10 cu dm	1.56875	260.00	407.88
1197	Walling of Second class kail wood in scantling $2 \times 2 \times 1.124 \times 0.10 \times 0.10 = 0.045 \text{ cum}$ $2 \times 2 \times 0.924 \times 0.10 \times 0.10 = 0.037 \text{ cum.}$ Total Kail wood = $0.082 \text{ cum.} = 82 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $82 \times \frac{1}{4} \times \frac{1}{4} =$ 5.125 dm^3	10 cu dm	0.5125	260.00	133.25
0302	Safeda ballies 125 mm diameter and 1.50m long $2 \times 2 \times 0.924 = 3.696$ $2 \times 2 \times 0.724 = 2.896$ Total of balli = 6.592 m Qty taken for cost of using once after deducting for credit = $6.592 \times \frac{1}{4} \times \frac{1}{4} =$ 0.4118 m	metre	0.4118	40.00	16.47
2204	Carriage of Timber CARRIAGE Poling boards = 0.251 cum Walling = 0.082 cum. Balli struts $3.14/4 \times (0.125)^2 \times 6.59 =$ 0.081 cum. Total of carriage = $0.414 \text{ cum} \times \frac{1}{4} =$ 0.1035 cum	cum	0.1035	118.59	12.27
0112	LABOUR Carpenter 2nd class	day	0.19	679.00	129.01
0114	Beldar	day	0.38	558.00	212.04
9999	Sundries	L.S.	8.06	2.00	16.12
	TOTAL				927.04 W
	Add 1 % Water charges on "W"				9.27
	TOTAL				936.31 X
	Add GST on "X" (multiplying factor 0.1405)				131.55
	TOTAL				1067.86 Y
	Add 15% CPOH on "Y"				160.18
	TOTAL				1228.04 Z
	Add Cess @ 1% on "Z"				12.28
	Cost of 6.6 sqm.				1240.32
	Cost per sqm.				187.93
	Say				187.95

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

2.18.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for an area 30m long and 1.50m deep- Area -30x1.5m = 45 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks 250x38mm : $45 \times 0.038 = 1.71$ cum = 1710 cudm Qty taken for cost of using once after deducting for credit = $1710 \times \frac{1}{4} \times \frac{1}{4} = 106.875$ dm ³	10 cudm	10.6875	260.00	2778.75
1197	Wallings 100mmx 100mm of Second class kail wood in scantling 100x100mm : $30 \times 0.10 \times 0.10 = 0.30$ cum = 300 cudm Qty taken for cost of using once after deducting for credit = $300 \times \frac{1}{4} \times \frac{1}{4} = 18.75$ dm ³	10 cudm	1.875	260.00	487.50
0302	Raking struts Safeda ballies 125 mm diameter Qty taken for cost of using once after deducting for credit = $25.5 \times \frac{1}{4} \times \frac{1}{4} = 1.59$ m	metre	1.59	40.00	63.60
2204	Carriage of Timber CARRIAGE Poling boards = 1.71 cum Walling = 0.30 cum Raking struts $3.14/4 \times (0.125)^2 = 0.313$ cum Total of carriage = 2.323 cum $\times \frac{1}{4} = 0.581$ cum	cum	0.581	118.59	68.90
0112	LABOUR Carpenter 2nd class	day	0.25	679.00	169.75
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries	L.S.	31.46	2.00	62.92
	TOTAL				3910.42 W
	Add 1 % Water charges on "W"				39.10
	TOTAL				3949.52 X
	Add GST on "X" (multiplying factor 0.1405)				554.91
	TOTAL				4504.43 Y
	Add 15% CPOH on "Y"				675.66
	TOTAL				5180.10 Z
	Add Cess @ 1% on "Z"				51.80
	Cost of 45 Sqm.				5231.90
	Cost per sqm.				116.26
	Say				116.25

2.18.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for an area 30m long and 1.5m deep- Area -30x1.5m = 45 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks 250x38mm : $45 \times 0.038 = 1.71$ cum = 1710 cu dm Qty taken for cost of using once after deducting for credit = $1710 \times \frac{1}{4} \times \frac{1}{4} = 106.875$ dm ³	10 cu dm	10.6875	260.00	2778.75
1197	Walling of Second class kail wood in scantling 100x100mm : $30 \times 0.10 \times 0.10 = 0.30$ cum = 300 cu dm Qty taken for cost of using once after deducting for credit = $300 \times \frac{1}{4} \times \frac{1}{4} = 18.75$ dm ³	10 cu dm	1.875	260.00	487.50
0302	Raking struts Safeda ballies 125 mm diameter 17 x 1.5 = 25.5m Qty taken for cost of using once after deducting for credit = $25.5 \times \frac{1}{4} \times \frac{1}{4} = 1.59$ m	metre	1.59	40.00	63.60
2204	Carriage of Timber CARRIAGE Poling boards = 1.71 cum Walling = 0.30 cum. Raking struts $3.14/4 \times (0.125)^2 = 0.313$ cum Total of carriage = 2.323 cum $\times \frac{1}{4} = 0.581$ cum	cum	0.581	118.59	68.90
0112	LABOUR Carpenter 2nd class	day	0.50	679.00	339.50
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries	L.S.	34.06	2.00	68.12
	TOTAL				4364.37 W
	Add 1 % Water charges on "W"				43.64
	TOTAL				4408.01 X
	Add GST on "X" (multiplying factor 0.1405)				619.33
	TOTAL				5027.34 Y
	Add 15% CPOH on "Y"				754.10
	TOTAL				5781.44 Z
	Add Cess @ 1% on "Z"				57.81
	Cost of 45 Sqm.				5839.26
	Cost per sqm.				129.76
	Say				129.75

2.18.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for an area 30m long and 1.5m deep- Area -30x1.5m = 45 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks 250x38mm : 45x0.038 = 1.71 cum = 1710 cudm Qty taken for cost of using once after deducting for credit = $1710 \times \frac{1}{4} \times \frac{1}{4} = 106.875 \text{ dm}^3$	10 cudm	10.6875	260.00	2778.75
1197	Walling of Second class kail wood in scantling 100x100mm : 30x0.10x0.10 = 0.30cum = 300 cudm Qty taken for cost of using once after deducting for credit = $300 \times \frac{1}{4} \times \frac{1}{4} = 18.75 \text{ dm}^3$	10 cudm	1.875	260.00	487.50
0302	Raking struts Safeda ballies 125 mm diameter and 1.5m long $17 \times 1.50 = 25.5\text{m}$ Qty taken for cost of using once after deducting for credit = $25.5 \times \frac{1}{4} \times \frac{1}{4} = 1.59 \text{ m}$	metre	1.59	40.00	63.60
2204	Carriage of Timber CARRIAGE Poling boards = 1.71 cum Walling = 0.30 cum. Raking struts $3.14/4 \times (0.125)^2 = 0.313 \text{ cum}$ Total of carriage = $2.323 \text{ cum} \times \frac{1}{4} = 0.581 \text{ cum}$	cum	0.581	118.59	68.90
0112	LABOUR Carpenter 2nd class	day	0.75	679.00	509.25
0114	Beldar	day	1.50	558.00	837.00
9999	Sundries	L.S.	47.58	2.00	95.16
	TOTAL				4840.16 W
	Add 1 % Water charges on "W"				48.40
	TOTAL				4888.56 X
	Add GST on "X" (multiplying factor 0.1405)				686.84
	TOTAL				5575.41 Y
	Add 15% CPOH on "Y"				836.31
	TOTAL				6411.72 Z
	Add Cess @ 1% on "Z"				64.12
	Cost of 45 Sqm.				6475.83
	Cost per sqm.				143.91
	Say				143.90

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a trench 30m long and 1.5m deep area $2 \times 30 \times 1.5 = 90$ sqm- MATERIAL Poling boards of Second class kail wood in planks $90 \times 0.038 = 3.42$ cum = 3420 cudm Less @ 1/8 of Qty as timber is supposed to be used once before = $3420 - 427.5 = 2992.5$ dm ³	10 cudm	299.25	260.00	77805.00
1197	Walings 100mmx100mm of Second class kail wood in scantling $4 \times 30 \times 0.10 \times 0.10 = 1.20$ cum = 1200 cudm Less @ 1/8 of Qty as timber is supposed to be used once before = $1200 - 150 = 1050$ dm ³	10 cudm	105.00	260.00	27300.00
0302	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51$ m Less @ 1/8 of Qty as timber is supposed to be used once before = $51 - 6.37 = 44.63$ m	metre	44.63	40.00	1785.20
2204	Carriage of Timber Poling boards = 3.42 cum Walling = 1.20 cum. Balli struts: $3.14/4 \times (0.125)^2 \times 51 = 0.63$ cum = 5.25 cum Taking half = $5.25 \times \frac{1}{2} = 2.675$ cum	cum	2.675	118.59	317.23
	TOTAL				107207.43 W
	Add 1 % Water charges on "W"				1072.07
	TOTAL				108279.50 X
	Add GST on "X" (multiplying factor 0.1405)				15213.27
	TOTAL				123492.77 Y
	Add 15% CPOH on "Y"				18523.92
	TOTAL				142016.69 Z
	Add Cess @ 1% on "Z"				1420.17
	Cost of 90 Sqm.				143436.86
	Cost per sqm.				1593.74
	Say				1593.75

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

2.20.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a trench of length 30m and 1.50m deep surface area - $2 \times 30 \times 1.5 = 90$ sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling board of Second class kail wood in planks 1.5mx0.25x0.038m $2 \times 40 \times 1.5 \times 0.25 \times 0.038 = 1.14$ cum = 1140 cum Qty taken for cost of using once after deducting for credit = $1140 \times \frac{1}{4} \times \frac{1}{4} = 71.25$ cum	10 cum	7.125	260.00	1852.50
1197	Second class kail wood in scantling Walling 100mmx100mm : $4 \times 30 \times 0.10 \times 0.10 = 1.20$ cum = 1200 cum Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75$ dm ³	10 cum	7.50	260.00	1950.00
0302	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.50 = 51$ m Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.18$ m	metre	3.18	40.00	127.20
2204	Carriage of Timber CARRIAGE: Poling boards = 1.14 cum Walling = 1.20 cum Ballies struts $3.14/4 \times (0.125)^2 = 0.63$ cum Total of carriage = 2.97 cum $\times \frac{1}{4} = 0.74$	cum	0.74	118.59	87.76
0112	LABOUR Carpenter 2nd class	day	0.25	679.00	169.75
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				4505.73 W
	Add 1 % Water charges on "W"				45.06
	TOTAL				4550.78 X
	Add GST on "X" (multiplying factor 0.1405)				639.39
	TOTAL				5190.17 Y
	Add 15% CPOH on "Y"				778.53
	TOTAL				5968.69 Z
	Add Cess @ 1% on "Z"				59.69
	Cost of 90 Sqm				6028.38
	Cost per sqm.				66.98
	Say				67.00

2.20.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a trench of length 30m and 1.5m deep surface area - $2 \times 30 \times 1.5 = 90$ sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks $1.50 \times 0.25 \times 0.038 \text{m}$ $2 \times 40 \times 1.50 \times 0.25 \times 0.038 = 1.14 \text{cum} = 1140 \text{ cu dm}$ Qty taken for cost of using once after deducting for credit = $1140 \times \frac{1}{4} \times \frac{1}{4} = 71.25 \text{ dm}^3$	10 cu dm	7.125	260.00	1852.50
1197	Wallings of Second class kail wood in scantling $100 \text{mm} \times 100 \text{mm}$: $4 \times 30 \times 0.10 \times 0.10 \text{m} = 1.20 \text{cum} = 1200 \text{ cu dm}$ Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75 \text{ dm}^3$	10 cu dm	7.50	260.00	1950.00
0302	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51 \text{m}$ Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.18 \text{ m}$	metre	3.18	40.00	127.20
2204	CARRIAGE: Carriage of Timber Poling boards = 1.14 cum Walling Ballies struts $3.14/4 \times (0.125)^2 = 0.63 \text{ cum}$ Total of carriage = $2.97 \text{ cum} \times \frac{1}{4} = 0.74$	cum	0.74	118.59	87.76
0112	LABOUR Carpenter 2nd class	day	0.50	679.00	339.50
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries	L.S.	33.15	2.00	66.30
	TOTAL				4981.26 W
	Add 1 % Water charges on "W"				49.81
	TOTAL				5031.07 X
	Add GST on "X" (multiplying factor 0.1405)				706.87
	TOTAL				5737.93 Y
	Add 15% CPOH on "Y"				860.69
	TOTAL				6598.62 Z
	Add Cess @ 1% on "Z"				65.99
	Cost of 90 Sqm				6664.61
	Cost per sqm.				74.05
	Say				74.05

2.20.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a trench of length 30m and 1.5m deep surface area - $2 \times 30 \times 1.5 = 90$ sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of Second class kail wood in planks $1.50 \times 0.25 \times 0.038$ m : $2 \times 40 \times 1.5 \times 0.25 \times 0.038 = 1.14$ cum = 1140 cu dm Qty taken for cost of using once after deducting for credit = $1140 \times \frac{1}{4} \times \frac{1}{4} = 71.25$ dm ³	10 cu dm	7.125	260.00	1852.50
1197	Wallings of Second class kail wood in scantling $100 \text{ mm} \times 100 \text{ mm}$: $4 \times 30 \text{ m} \times 0.1 \text{ m} \times 0.1 \text{ m} = 1.20$ cum = 1200 cu dm Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75$ dm ³	10 cu dm	7.50	260.00	1950.00
0302	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51$ m Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.18$ m	metre	3.18	40.00	127.20
2204	CARRIAGE: Carriage of Timber Poling boards = 1.14 cum Walling = 1.20 cum Ballies struts $3.14/4 \times (0.125)^2 = 0.63$ cum Total of carriage = 2.97 cum $\times \frac{1}{4} = 0.74$	cum	0.74	118.59	87.76
0112	LABOUR Carpenter 2nd class	day	1.00	679.00	679.00
0114	Beldar	day	1.75	558.00	976.50
9999	Sundries	L.S.	46.67	2.00	93.34
	TOTAL				5766.30 W
	Add 1 % Water charges on "W"				57.66
	TOTAL				5823.96 X
	Add GST on "X" (multiplying factor 0.1405)				818.27
	TOTAL				6642.23 Y
	Add 15% CPOH on "Y"				996.33
	TOTAL				7638.56 Z
	Add Cess @ 1% on "Z"				76.39
	Cost of 90 Sqm				7714.95
	Cost per sqm.				85.72
	Say				85.70

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

2.21.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a manhole 1.2x 1m x 1.5m Surface area $2(1.2+1.0) \times 1.5 = 6.6$ sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm wide and 38mm thick $6 \times 0.25 \times 1.5 \times 0.038 = 0.086$ cum = 86cudm Qty taken for cost of using once after deducting for credit = $86 \times \frac{1}{4} \times \frac{1}{4} =$ 5.3755 dm ³	10 cudm	0.5375	260.00	139.75
1197	Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.2 \times 0.1 \times 0.1 = 0.048$ cum = 48 dm ³ Qty taken for cost of using once after deducting for credit = $48 \times \frac{1}{4} \times \frac{1}{4} = 3$ dm ³	10 cudm	0.30	260.00	78.00
0302	Struts of Safeda ballies 125 mm diameter $(4 \times 1.0 = 4.0) + (2 \times 1.2 = 2.4) = 6.4$ m Qty taken for cost of using once after deducting for credit = $6.4 \times \frac{1}{4} \times \frac{1}{4} = 0.4$ m	metre	0.40	40.00	16.00
2204	Carriage of Timber CARRIAGE : Poling boards = 0.086 cum Walling Ballies struts $3.14/4 \times (0.125)^2 \times 6.4 =$ 0.079 cum Total of carriage = 0.213 cum $\times \frac{1}{4} =$ 0.053 cum	cum	0.053	118.59	6.29
0112	LABOUR Carpenter 2nd class	day	0.03	679.00	20.37
0114	Beldar	day	0.06	558.00	33.48
9999	Sundries	L.S.	1.82	2.00	3.64
	TOTAL				297.53 W
	Add 1 % Water charges on "W"				2.98
	TOTAL				300.50 X
	Add GST on "X" (multiplying factor 0.1405)				42.22
	TOTAL				342.72 Y
	Add 15% CPOH on "Y"				51.41
	TOTAL				394.13 Z
	Add Cess @ 1% on "Z"				3.94
	Cost of 6.6 sqm.				398.07
	Cost per sqm.				60.31
	Say				60.30

2.21.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for a manhole 1.2x 1m x 1.5m Surface area $2(1.2+1.0) \times 1.5 = 6.6$ sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm wide and 38mm thick : $6 \times 0.25 \times 1.50 \times 0.038 = 0.086$ cum = 86cudm Qty taken for cost of using once after deducting for credit = $86 \times \frac{1}{4} \times \frac{1}{4} =$ 5.3755 dm³</p>	10 cudm	0.5375	260.00	139.75
1197	<p>Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.20 \times 0.10 \times 0.10 = 0.048$ cum = 48 dm³ Qty taken for cost of using once after deducting for credit = $48 \times \frac{1}{4} \times \frac{1}{4} =$ 3 dm³</p>	10 cudm	0.30	260.00	78.00
0302	<p>Struts of Safeda ballies 125 mm diameter $(4 \times 1.00 = 4.00) + (2 \times 1.20 = 2.40) = 6.40$m Qty taken for cost of using once after deducting for credit = $6.40 \times \frac{1}{4} \times \frac{1}{4} =$ 0.40 m</p>	metre	0.40	40.00	16.00
2204	<p>Carriage of Timber CARRIAGE : Poling boards = 0.086 cum Walling = 0.048 cum Ballies struts $3.14/4 \times (0.125)^2 \times 6.40 =$ 0.079 cum Total of carriage = 0.213 cum $\times \frac{1}{4} =$ 0.053 cum</p>	cum	0.053	118.59	6.29
0112	LABOUR Carpenter 2nd class	day	0.06	679.00	40.74
0114	Beldar	day	0.12	558.00	66.96
9999	Sundries	L.S.	2.73	2.00	5.46
	TOTAL				353.20 W
	Add 1 % Water charges on "W"				3.53
	TOTAL				356.73 X
	Add GST on "X" (multiplying factor 0.1405)				50.12
	TOTAL				406.85 Y
	Add 15% CPOH on "Y"				61.03
	TOTAL				467.87 Z
	Add Cess @ 1% on "Z"				4.68
	Cost of 6.6 sqm.				472.55
	Cost per sqm.				71.60
	Say				71.60

2.21.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a manhole 1.2x 1m x1.5m Surface area $2(1.20+1.00) \times 1.50 = 6.60$ sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm wide and 38mm thick : $6 \times 0.25 \times 1.50 \times 0.038 = 0.086$ cum = 86cudm Qty taken for cost of using once after deducting for credit = $86 \times \frac{1}{4} \times \frac{1}{4} = 5.3755$ dm ³	10 cudm	0.5375	260.00	139.75
1197	Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.2 \times 0.10 \times 0.10 = 0.048$ cum = 48 dm ³ Qty taken for cost of using once after deducting for credit = $48 \times \frac{1}{4} \times \frac{1}{4} = 3$ dm ³	10 cudm	0.30	260.00	78.00
0302	Struts of Safeda ballies 125 mm diameter $(4 \times 1.0 = 4.0) + (2 \times 1.2 = 2.4) = 6.4$ m Qty taken for cost of using once after deducting for credit = $6.4 \times \frac{1}{4} \times \frac{1}{4} = 0.4$ m	metre	0.40	40.00	16.00
2204	Carriage of Timber CARRIAGE : Poling boards = 0.086 cum Walling = 0.048 cum Ballies struts $3.14/4 \times (0.125)^2 \times 6.4 = 0.079$ cum Total of carriage = 0.213 cum $\times \frac{1}{4} = 0.053$ cum	cum	0.053	118.59	6.29
0112	LABOUR Carpenter 2nd class	day	0.10	679.00	67.90
0114	Beldar	day	0.20	558.00	111.60
9999	Sundries	L.S.	3.64	2.00	7.28
	TOTAL				426.82 W
	Add 1 % Water charges on "W"				4.27
	TOTAL				431.08 X
	Add GST on "X" (multiplying factor 0.1405)				60.57
	TOTAL				491.65 Y
	Add 15% CPOH on "Y"				73.75
	TOTAL				565.40 Z
	Add Cess @ 1% on "Z"				5.65
	Cost of 6.6 sqm.				571.05
	Cost per sqm.				86.52
	Say				86.50

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

2.22.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for an area 30m long and 1.5m deep area = $30 \times 1.5 = 45$ sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm x 38mm $40 \times 1.50 \times 0.25 \times 0.038 = 0.57$ cum. = 570 dm ³ Qty taken for cost of using once after deducting for credit = $570 \times \frac{1}{4} \times \frac{1}{4} = 35.625$ dm ³	10 cudm	3.5625	260.00	926.25
0302	Raking struts- Safeda ballies 125 mm diameter $40 \times 1.50 = 60$ m Qty taken for cost of using once after deducting for credit = $60 \times \frac{1}{4} \times \frac{1}{4} = 3.75$ m	metre	3.75	40.00	150.00
2204	Carriage of Timber CARRIAGE : Poling boards = 0.57 cum Ballies $40 \times 1.5 \times 3.14 / 4 \times 0.125^2 = 0.4$ cum. Total for carriage = 1.31 cum x $\frac{1}{4} = 0.3275$ cum	cum	0.3275	118.59	38.84
0112	LABOUR Carpenter 2nd class	day	0.12	679.00	81.48
0114	Beldar	day	0.25	558.00	139.50
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				1375.59 W
	Add 1 % Water charges on "W"				13.76
	TOTAL				1389.34 X
	Add GST on "X" (multiplying factor 0.1405)				195.20
	TOTAL				1584.55 Y
	Add 15% CPOH on "Y"				237.68
	TOTAL				1822.23 Z
	Add Cess @ 1% on "Z"				18.22
	Cost of 45 sqm.				1840.45
	Cost per sqm.				40.90
	Say				40.90

2.22.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for an area 30m long and 1.5m deep $\text{area} = 30 \times 1.5 = 45 \text{ sqm.}$ MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm x 38mm $40 \times 1.50 \times 0.25 \times 0.038 = 0.57 \text{ cum.} = 570 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $570 \times \frac{1}{4} \times \frac{1}{4} = 35.625 \text{ dm}^3$</p>	10 cudm	3.5625	260.00	926.25
0302	<p>Raking struts- Safeda ballies 125 mm diameter $40 \times 1.50 = 60 \text{m}$ Qty taken for cost of using once after deducting for credit = $60 \times \frac{1}{4} \times \frac{1}{4} = 3.75 \text{ m}$</p>	metre	3.75	40.00	150.00
2204	<p>Carriage of Timber CARRIAGE : Poling boards = 0.57 cum Ballies $40 \times 1.50 \times 3.14 / 4 \times 0.125^2 = 0.4 \text{ cum.}$ Total for carriage = $1.31 \text{ cum} \times \frac{1}{4} = 0.3275 \text{ cum}$</p>	cum	0.3275	118.59	38.84
0112	LABOUR Carpenter 2nd class	day	0.25	679.00	169.75
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries	L.S.	33.15	2.00	66.30
	TOTAL				1630.14 W
	Add 1 % Water charges on "W"				16.30
	TOTAL				1646.44 X
	Add GST on "X" (multiplying factor 0.1405)				231.32
	TOTAL				1877.76 Y
	Add 15% CPOH on "Y"				281.66
	TOTAL				2159.43 Z
	Add Cess @ 1% on "Z"				21.59
	Cost of 45 sqm.				2181.02
	Cost per sqm.				48.47
	Say				48.45

2.22.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for an area 30m long and 1.5m deep $\text{area} = 30 \times 1.50 = 45 \text{ sqm.}$ MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm x 38mm $40 \times 1.50 \times 0.25 \times 0.038 = 0.57 \text{ cum.} = 570 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $570 \times \frac{1}{4} \times \frac{1}{4} = 35.625 \text{ dm}^3$</p>	10 cudm	3.5625	260.00	926.25
0302	<p>Raking struts- Safeda ballies 125 mm diameter $40 \times 1.50 = 60 \text{m}$ Qty taken for cost of using once after deducting for credit = $60 \times \frac{1}{4} \times \frac{1}{4} = 3.75 \text{ m}$</p>	metre	3.75	40.00	150.00
2204	<p>Carriage of Timber CARRIAGE : Poling boards = 0.57 cum Ballies $40 \times 1.5 \times 3.14 / 4 \times 0.125^2 = 0.4 \text{ cum.}$ Total for carriage = $1.31 \text{ cum} \times \frac{1}{4} = 0.3275 \text{ cum}$</p>	cum	0.3275	118.59	38.84
0112	LABOUR Carpenter 2nd class	day	0.50	679.00	339.50
0114	Beldar	day	0.88	558.00	491.04
9999	Sundries	L.S.	47.58	2.00	95.16
	TOTAL				2040.79 W
	Add 1 % Water charges on "W"				20.41
	TOTAL				2061.20 X
	Add GST on "X" (multiplying factor 0.1405)				289.60
	TOTAL				2350.79 Y
	Add 15% CPOH on "Y"				352.62
	TOTAL				2703.41 Z
	Add Cess @ 1% on "Z"				27.03
	Cost of 45 sqm.				2730.45
	Cost per sqm.				60.68
	Say				60.70

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of co.st for a trench of length 30m and 1.5m deep surface area - $2 \times 30 \times 1.5 = 90$ sqm. MATERIAL Poling boards of Second class kail wood in planks $1.50 \times 0.25 \times 0.038$ $2 \times 40 \times 1.50 \times 0.25 \times 0.038 = 1.14$ cum = 1140 cudm Less @ 1/8 of Qty as timber is supposed to be used once before = $1140 - 142.5 = 997.5$ dm ³	10 cudm	99.75	260.00	25935.00
1197	Walling 100mmx 100mm of Second class kail wood in scantling $4 \times 30 \times 0.10 \times 0.10$ m = 1.20 cum = 1200 cudm Less @ 1/8 of Qty as timber is supposed to be used once before = $1200 - 150 = 1050$ dm ³	10 cudm	105.00	260.00	27300.00
0302	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51$ m Less @ 1/8 of Qty as timber is supposed to be used once before = $51 - 6.37 = 44.63$ m	metre	44.63	40.00	1785.20
2204	Carriage of Timber Poling boards = 1.14 cum Walling = 1.20 cum Ballies struts $51 \times 3.14 \times \frac{1}{4} \times 0.125^2 = 0.63$ cum Total of carriage = 2.97 cum Taking half = $2.97 \times \frac{1}{2} = 1.485$ cum	cum	1.485	118.59	176.11
	TOTAL				55196.31 W
	Add 1 % Water charges on "W"				551.96
	TOTAL				55748.27 X
	Add GST on "X" (multiplying factor 0.1405)				7832.63
	TOTAL				63580.90 Y
	Add 15% CPOH on "Y"				9537.14
	TOTAL				73118.04 Z
	Add Cess @ 1% on "Z"				731.18
	Cost of 90 sqm.				73849.22
	Cost per sqm.				820.55
	Say				820.55

2.24 Extra rates for quantities of works, executed:**2.24.1 In or under water and/or liquid mud, including pumping out water as required**

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

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

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

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum.				
0128	LABOUR				
	Mate	day	0.20	617.00	123.40
0115	Coolie	day	2.50	558.00	1395.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				1641.80 W
	Add 1 % Water charges on "W"				16.42
	TOTAL				1658.22 X
	Add GST on "X" (multiplying factor 0.1405)				232.98
	TOTAL				1891.20 Y
	Add 15% CPOH on "Y"				283.68
	TOTAL				2174.88 Z
	Add Cess @ 1% on "Z"				21.75
	Cost of 10 cum.				2196.63
	Cost of 1 cum.				219.66
	Say				219.65

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.6.1	Details of cost for 10 cum Rate as per item no 2.6.1 of SH:2 EARTH WORK	cum	10.00	181.85	1818.50 A
1.2.2	Less for initial lead of 50m Rate as per item no 1.2.2 of SH:1 CARRIAGE OF MATERIALS	cum	-10.00	175.78	-1757.80 A
	Add for ramming and watering in layers (Ref. item no 2.27)				
0114	Beldar (1/2x0.89=0.45 day)	day	0.45	558.00	251.10
0101	Bhisti	day	0.35	617.00	215.95
	Carriage of materials upto 5 km				
1.1.2	Rate as per item no 1.1.2 of SH:1 CARRIAGE OF MATERIALS	cum	10.00	201.83	2018.30 A
0979	Royalty for good earth	cum	10.00	40.00	400.00
	TOTAL				2946.05 W
	Add 1 % Water charges on "W-A"				8.67
	TOTAL				2954.72 X
	Add GST on "X-A" (multiplying factor 0.1405)				123.04
	TOTAL				3077.76 Y
	Add 15% CPOH on "Y-A"				149.81
	TOTAL				3227.57 Z
	Add Cess @ 1% on "Z-A"				11.49
	Cost of 10 cum				3239.06
	Cost of 1 cum				323.91
	Say				323.90

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

2.26.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Details of cost for 10 cum. LABOUR				
	Mate	day	0.10	617.00	61.70
0114	Beldar	day	1.10	558.00	613.80
	TOTAL				675.50 W
	Add 1 % Water charges on "W"				6.76
	TOTAL				682.26 X
	Add GST on "X" (multiplying factor 0.1405)				95.86
	TOTAL				778.11 Y
	Add 15% CPOH on "Y"				116.72
	TOTAL				894.83 Z
	Add Cess @ 1% on "Z"				8.95
	Cost of 10 cum.				903.78
	Cost of 1 cum.				90.38
	Say				90.40

2.26.2 Ordinary or hard rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Details of cost for 10 cum. LABOUR				
	Mate	day	0.20	617.00	123.40
0114	Beldar	day	1.95	558.00	1088.10
	TOTAL				1211.50 W
	Add 1 % Water charges on "W"				12.12
	TOTAL				1223.62 X
	Add GST on "X" (multiplying factor 0.1405)				171.92
	TOTAL				1395.53 Y
	Add 15% CPOH on "Y"				209.33
	TOTAL				1604.86 Z
	Add Cess @ 1% on "Z"				16.05
	Cost of 10 cum.				1620.91
	Cost of 1 cum.				162.09
	Say				162.10

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6501	Details of cost for 10 cum. MATERIAL				
	Sand zone V (Jamuna)	cum	10.00	1225.00	12250.00
2335	Carriage of Jamuna sand	cum	10.00	103.77	1037.70
	LABOUR				
0114	Beldar	day	0.89	558.00	496.62
0115	Coolie	day	1.07	558.00	597.06

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.35	617.00	215.95
	TOTAL				14597.33 W
	Add 1 % Water charges on "W"				145.97
	TOTAL				14743.30 X
	Add GST on "X" (multiplying factor 0.1405)				2071.43
	TOTAL				16814.74 Y
	Add 15% CPOH on "Y"				2522.21
	TOTAL				19336.95 Z
	Add Cess @ 1% on "Z"				193.37
	Cost of 10 cum.				19530.32
	Cost of 1 cum.				1953.03
	Say				1953.05

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

2.28.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 100 sqm. LABOUR				
	Beldar	day	1.97	558.00	1099.26
0115	Coolie	day	1.29	558.00	719.82
	TOTAL				1819.08 W
	Add 1 % Water charges on "W"				18.19
	TOTAL				1837.27 X
	Add GST on "X" (multiplying factor 0.1405)				258.14
	TOTAL				2095.41 Y
	Add 15% CPOH on "Y"				314.31
	TOTAL				2409.72 Z
	Add Cess @ 1% on "Z"				24.10
	Cost of 100 sqm.				2433.82
	Cost of 1 sqm.				24.34
	Say				24.35

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

2.29.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 100 sqm. LABOUR				
	Beldar	day	2.75	558.00	1534.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.50	617.00	308.50
	TOTAL				1843.00 W
	Add 1 % Water charges on "W"				18.43
	TOTAL				1861.43 X
	Add GST on "X" (multiplying factor 0.1405)				261.53
	TOTAL				2122.96 Y
	Add 15% CPOH on "Y"				318.44
	TOTAL				2441.41 Z
	Add Cess @ 1% on "Z"				24.41
	Cost of 100 sqm.				2465.82
	Cost of 1 sqm.				24.66
	Say				24.65

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

2.30.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Details of cost for 10 holes- Earth work 10 x 0.30 (avg) = 3.0 cum Rate as per item no. 2.8.1 of SH: Earth work	cum	3.00	252.30	756.90 A
9999	Extra labour for filling and ramming				
	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				783.94 W
	Add 1 % Water charges on "W-A"				0.27
	TOTAL				784.21 X
	Add GST on "X-A" (multiplying factor 0.1405)				3.84
	TOTAL				788.05 Y
	Add 15% CPOH on "Y-A"				4.67
	TOTAL				792.72 Z
	Add Cess @ 1% on "Z-A"				0.36
	Cost of 10 holes				793.08
	Cost of 1 hole				79.31
	Say				79.30

2.30.2 Ordinary rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.1	Details of cost for 10 holes- Earth work 10 x 0.3 (avg) = 3.0 cum Rate as per Item Number 2.9.1 of SH: Earth Work	cum	3.00	448.15	1344.45 A
	Extra labour for filling and ramming				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				1371.49 W
	Add 1 % Water charges on "W-A"				0.27
	TOTAL				1371.76 X
	Add GST on "X-A" (multiplying factor 0.1405)				3.84
	TOTAL				1375.60 Y
	Add 15% CPOH on "Y-A"				4.67
	TOTAL				1380.27 Z
	Add Cess @ 1% on "Z-A"				0.36
	Cost of 10 holes				1380.63
	Cost of 1 hole				138.06
	Say				138.05

2.30.3 Hard rock (requiring blasting)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Details of cost for 10 holes- Earth work 10 x 0.3 (avg) = 3.0 cum Rate as per Item Number 2.9.2 of SH: Earth Work	cum	3.00	729.00	2187.00 A
9999	Extra labour for filling and ramming				
	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				2214.04 W
	Add 1 % Water charges on "W-A"				0.27
	TOTAL				2214.31 X
	Add GST on "X-A" (multiplying factor 0.1405)				3.84
	TOTAL				2218.15 Y
	Add 15% CPOH on "Y-A"				4.67
	TOTAL				2222.82 Z
	Add Cess @ 1% on "Z-A"				0.36
	Cost of 10 holes				2223.18
	Cost of 1 hole				222.32
	Say				222.30

2.30.4 Hard rock (blasting prohibited)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.3	Details of cost for 10 holes- Earth work 10 x 0.3 (avg) = 3.0 cum Rate as per Item Number 2.9.3 of SH: Earth Work Extra labour for filling and ramming	cum	3.00	1080.55	3241.65 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				3268.69 W
	Add 1 % Water charges on "W-A"				0.27
	TOTAL				3268.96 X
	Add GST on "X-A" (multiplying factor 0.1405)				3.84
	TOTAL				3272.80 Y
	Add 15% CPOH on "Y-A"				4.67
	TOTAL				3277.47 Z
	Add Cess @ 1% on "Z-A"				0.36
	Cost of 10 holes				3277.83
	Cost of 1 hole				327.78
	Say				327.80

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 sqm.				
	LABOUR				
0114	Beldar	day	1.08	558.00	602.64
0115	Coolie	day	0.60	558.00	334.80
	TOTAL				937.44 W
	Add 1 % Water charges on "W"				9.37
	TOTAL				946.81 X
	Add GST on "X" (multiplying factor 0.1405)				133.03
	TOTAL				1079.84 Y
	Add 15% CPOH on "Y"				161.98
	TOTAL				1241.82 Z
	Add Cess @ 1% on "Z"				12.42
	Cost of 100 sqm.				1254.24
	Cost of 1 sqm.				12.54
	Say				12.55

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 sqm.				
	LABOUR				
0114	Beldar	day	0.60	558.00	334.80
0115	Coolie	day	0.25	558.00	139.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	1.82	2.00	3.64
	TOTAL				477.94 W
	Add 1 % Water charges on "W"				4.78
	TOTAL				482.72 X
	Add GST on "X" (multiplying factor 0.1405)				67.82
	TOTAL				550.54 Y
	Add 15% CPOH on "Y"				82.58
	TOTAL				633.12 Z
	Add Cess @ 1% on "Z"				6.33
	Cost of 100 sqm				639.45
	Cost of 1 sqm				6.39
	Say				6.40

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

2.33.1 Beyond 30 cm girth upto and including 60 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one tree of 15cm dia and average height 3m				
	LABOUR				
	quantity of wood-				
	$3.14/4 \times 0.15 \times 0.15 \times 3 = 0.053 \text{ cum.}$				
	Add 20% for branches = 0.011 cum.				
	Total = 0.064 cum.				
	Labour for cutting in trees removing the roots from the soil and then filling in Pit and depresions.				
0114	Beldar	day	0.33	558.00	184.14
0115	Coolie	day	0.17	558.00	94.86
9999	Sundries	L.S.	2.73	2.00	5.46
	TOTAL				284.46 W
	Add 1 % Water charges on "W"				2.84
	TOTAL				287.30 X
	Add GST on "X" (multiplying factor 0.1405)				40.37
	TOTAL				327.67 Y
	Add 15% CPOH on "Y"				49.15
	TOTAL				376.82 Z
	Add Cess @ 1% on "Z"				3.77
	Cost of one tree				380.59
	Say				380.60

2.33.2 Beyond 60 cm girth upto and including 120 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a tree of average girth 90cm, average dia. 0.3m and length 5m LABOUR quantity of wood- (22x0.30x0.30x5)/7x4 = 0.35 cum + 20% branches = 0.07 cum. Total = 0.42 cum Labour for cutting trees, removing roots from the soil and filling in pit & depressions:				
0114	Beldar	day	1.50	558.00	837.00
0115	Coolie	day	0.75	558.00	418.50
9999	Sundries	L.S.	5.46	2.00	10.92
	TOTAL				1266.42 W
	Add 1 % Water charges on "W"				12.66
	TOTAL				1279.08 X
	Add GST on "X" (multiplying factor 0.1405)				179.71
	TOTAL				1458.80 Y
	Add 15% CPOH on "Y"				218.82
	TOTAL				1677.61 Z
	Add Cess @ 1% on "Z"				16.78
	Cost of one tree				1694.39
	Say				1694.40

2.33.3 Beyond 120 cm girth upto and including 240 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a tree of average girth 180cm, average dia. 0.6m and length 7m LABOUR quantity of wood- (22x06x0.60x7)/7x4 = 1.98 cum.+ 20% branches = 0.40 cum. Total = 2.38 cum. Labour for cutting trees, removing roots from the soil and filling in pit & depressions:				
0114	Beldar	day	7.00	558.00	3906.00
0115	Coolie	day	3.50	558.00	1953.00
9999	Sundries	L.S.	8.06	2.00	16.12
	TOTAL				5875.12 W
	Add 1 % Water charges on "W"				58.75
	TOTAL				5933.87 X
	Add GST on "X" (multiplying factor 0.1405)				833.71
	TOTAL				6767.58 Y
	Add 15% CPOH on "Y"				1015.14
	TOTAL				7782.72 Z
	Add Cess @ 1% on "Z"				77.83
	Cost of one tree				7860.54
	Say				7860.55

2.33.4 Above 240 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a tree of average girth 300cm, average dia. 1m and length 10m LABOUR quantity of wood- (22 x 1 x 1 x 10)/ 7x4 = 7.86 cum + 20% Branches = 1.57 cum. Total = 9.43 cum. Labour for cutting trees, removing roots from the soil and filling in pit & depressions:				
0114	Beldar	day	14.00	558.00	7812.00
0115	Coolie	day	7.00	558.00	3906.00
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				11771.82 W
	Add 1 % Water charges on "W"				117.72
	TOTAL				11889.54 X
	Add GST on "X" (multiplying factor 0.1405)				1670.48
	TOTAL				13560.02 Y
	Add 15% CPOH on "Y"				2034.00
	TOTAL				15594.02 Z
	Add Cess @ 1% on "Z"				155.94
	Cost of one tree				15749.96
	Say				15749.95

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

2.34.1 Chlorpyrifos/ Lindane emulsifiable concentrate of 20%

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7022	Details of cost of 100 litres Chlorpyrifos 20% E.C. / Lindane 20% E.C.	litre	100.00	150.00	15000.00
2342	Carriage of solvent/ Diesel.	quintal	1.00	10.38	10.38
	TOTAL				15010.38 W
	Add 1 % Water charges on "W"				150.10
	TOTAL				15160.48 X
	Add GST on "X" (multiplying factor 0.1405)				2130.05
	TOTAL				17290.53 Y
	Add 15% CPOH on "Y"				2593.58
	TOTAL				19884.11 Z
	Add Cess @ 1% on "Z"				198.84
	Cost for 100 litres				20082.95
	Cost for 1 litre				200.83
	Say				200.85

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 10 metres MATERIAL Chlorpyrifos 1% concentration = $10.0 \times 0.30 \times 7.5 = 22.5$ litres Chlorpyrifos 20% required = $22.5 / 20 = 1.125$ litres Chlorpyrifos 20% E.C. / Lindane 20% E.C. 1.125 litres (to be supplied free of cost) LABOUR Beldar (for excavating channel) rodding in chemical spraying the emulsion and refilling the same	day	0.33	558.00	184.14
9999	Sundries, rent of sprayer etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 10 metres Cost for 1 metre Say	L.S.	13.52	2.00	27.04 211.18 W 2.11 213.29 X 29.97 243.26 Y 36.49 279.75 Z 2.80 282.55 28.25 28.25

- 2.35.2 Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.:**

- 2.35.2.1 With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metres MATERIAL Chlorpyrifos 1% concentration = $10 \times 2.25 = 22.5$ litres Chlorpyrifos 20% required = $22.50 / 20 = 1.125$ litres				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Chlorpyriphos 20% E.C. / Lindane 20% E.C. 1.125 litres (to be supplied free of cost)				
	LABOUR				
	Beldar	day	0.40	558.00	223.20
	(for drilling holes and injecting chemical)				
9999	Sundries and rent of a sprayer and mortar and making good the holes	L.S.	35.88	2.00	71.76
	TOTAL				294.96 W
	Add 1 % Water charges on "W"				2.95
	TOTAL				297.91 X
	Add GST on "X" (multiplying factor 0.1405)				41.86
	TOTAL				339.77 Y
	Add 15% CPOH on "Y"				50.96
	TOTAL				390.73 Z
	Add Cess @ 1% on "Z"				3.91
	Cost for 10 metres				394.64
	Cost for 1 metre				39.46
	Say				39.45

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9 sqm. (3 metre x 3 metre)				
	No. of holes - 100 nos.				
	MATERIAL				
	Chlorpyriphos 1% required 100x1 litre = 100 litres				
	Chlorpyriphos 20% E.C. = 100/20 = 5.0 litres				
	Chlorpyriphos 20% E.C. / Lindane 20% E.C. 5 litres (to be supplied free of cost)				
	LABOUR				
0114	Beldar	day	2.00	558.00	1116.00
	(For making holes & spraying)				
0124	Mason (brick layer) 2nd class	day	0.50	679.00	339.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries, rent of sprayer and mortar	L.S.	35.88	2.00	71.76
	TOTAL				1527.26 W
	Add 1 % Water charges on "W"				15.27
	TOTAL				1542.53 X
	Add GST on "X" (multiplying factor 0.1405)				216.73
	TOTAL				1759.26 Y
	Add 15% CPOH on "Y"				263.89
	TOTAL				2023.15 Z
	Add Cess @ 1% on "Z"				20.23
	Cost for 9 square metre				2043.38
	Cost per square metre				227.04
	Say				227.05

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metres MATERIAL No. of holes $10.0/0.30 = 33.33+1 = 34.33$ holes. Say 34 holes chlorpyrifos 1% concentration required = $34 \times 1.0 = 34.00$ litres Chlorpyrifos 20% E.C. required $34.00/20 = 1.70$ litres Chlorpyrifos 20% E.C. / Lindane 20% E.C. 1.7 litres (to be supplied free of cost) LABOUR				
0114	Beldar	day	0.30	558.00	167.40
0124	Mason (brick layer) 2nd class	day	0.05	679.00	33.95
9999	Sundries, rent of pump etc.	L.S.	17.94	2.00	35.88
	TOTAL				237.23 W
	Add 1 % Water charges on "W"				2.37
	TOTAL				239.60 X
	Add GST on "X" (multiplying factor 0.1405)				33.66
	TOTAL				273.27 Y
	Add 15% CPOH on "Y"				40.99
	TOTAL				314.26 Z
	Add Cess @ 1% on "Z"				3.14
	Cost for 10 metres				317.40
	Cost for 1 metre				31.74
	Say				31.75

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metres MATERIAL No. of holes $10.0/0.15 = 66.67+1 = 67.67$ holes. Say 68 holes Chlordane 1% concentration required $= 68 \times 0.5 = 34.00$ litres Chlordane 20% E.C. required $34.00/20=1.70$ litres Chlordane 20% E.C./ Lindane 20% E.C. 1.7 litres (to be supplied free of cost) Kerosene oil $= 34-1.7 = 32.30$ litres				
0771	Kerosene oil	litre	32.30	50.00	1615.00
	LABOUR				
0112	Carpenter 2nd class (For making holes and plugging the same)	day	0.20	679.00	135.80
0114	Beldar for injecting chemical	day	0.20	558.00	111.60
9999	Sundries	L.S.	17.94	2.00	35.88
	TOTAL				1898.28 W
	Add 1 % Water charges on "W"				18.98
	TOTAL				1917.26 X
	Add GST on "X" (multiplying factor 0.1405)				269.38
	TOTAL				2186.64 Y
	Add 15% CPOH on "Y"				328.00
	TOTAL				2514.63 Z
	Add Cess @ 1% on "Z"				25.15
	Cost for 10 metres				2539.78
	Cost for 1 metre				253.98
	Say				254.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum. LABOUR				
0128	Mate	day	0.08	617.00	49.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Beldar/ Coolie	day	0.80	558.00	446.40
	TOTAL				495.76 W
	Add 1 % Water charges on "W"				4.96
	TOTAL				500.72 X
	Add GST on "X" (multiplying factor 0.1405)				70.35
	TOTAL				571.07 Y
	Add 15% CPOH on "Y"				85.66
	TOTAL				656.73 Z
	Add Cess @ 1% on "Z"				6.57
	Cost of 10 cum.				663.30
	Cost of 1 cum.				66.33
	Say				66.35

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1980	Details of cost for 1 cum. Ref :- Based on DAR Item No : 1.1.1 A) Labour and carriage Flyash (Available free of cost at thermal power plant at Baderpur power plant. Lead = 35 km)	cum	1.00	10.00	10.00
2262	Carriage of Flyash (1st Lead 0 to 5km)	cum	1.00	103.77	103.77
	TOTAL				113.77 W
	Add 1 % Water charges on "W"				1.14
	TOTAL				114.91 X
	Add GST on "X" (multiplying factor 0.1405)				16.14
	TOTAL				131.05 Y
	Add 15% CPOH on "Y"				19.66
	TOTAL				150.71 Z
	Add Cess @ 1% on "Z"				1.51
	Cost of 1 cum.				152.22
	Say				152.20

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum. Ref :- Based on DAR Item No : 2.25 LABOUR				
0128	Mate	day	0.20	617.00	123.40
0115	Coolie	day	2.50	558.00	1395.00
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				1641.80 W
	Add 1 % Water charges on "W"				16.42
	TOTAL				1658.22 X
	Add GST on "X" (multiplying factor 0.1405)				232.98
	TOTAL				1891.20 Y
	Add 15% CPOH on "Y"				283.68
	TOTAL				2174.88 Z
	Add Cess @ 1% on "Z"				21.75
	Cost of 10 cum.				2196.63
	Cost of 1 cum.				219.66
	Say				219.65

SUB HEAD : 3.0
MORTARS

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.7175 cum. of cement = 1.02 tonne) Cement required for cement mortar is 71.25%				
0367	Portland Cement	tonne	1.02	4940.00	5038.80
2209	Carriage of Cement	tonne	1.02	92.24	94.08
0983	Fine Sand (Zone IV)	cum	0.7125	900.00	641.25
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.7125	103.77	73.94
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.90	2.00	53.80
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				6390.60
	Say				6390.60

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.475 cum. of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	4940.00	3359.20
2209	Carriage of Cement	tonne	0.68	92.24	62.72
0983	Fine sand (zone IV)	cum	0.95	900.00	855.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.95	103.77	98.58
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				4918.05
	Say				4918.05

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.357 cum. of cement = 0.51 tonne) Cement required for cement mortar is 35.70%				
0367	Portland Cement	tonne	0.51	4940.00	2519.40
2209	Carriage of Cement	tonne	0.51	92.24	47.04
0983	Fine sand (zone IV)	cum	1.07	900.00	963.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				4183.03
	Say				4183.05

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.268 cum. of cement = 0.38 tonne) Cement required for cement mortar is 26.80%				
0367	Portland Cement	tonne	0.38	4940.00	1877.20
2209	Carriage of Cement	tonne	0.38	92.24	35.05
0983	Fine sand (zone IV)	cum	1.07	900.00	963.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				3528.84
	Say				3528.85

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.214 cum. of cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0367	Portland Cement	tonne	0.31	4940.00	1531.40
2209	Carriage of Cement	tonne	0.31	92.24	28.59
0983	Fine sand (zone IV)	cum	1.07	900.00	963.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				3176.58
	Say				3176.60

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.178 cum. of cement = 0.25 tonne) Cement required for cement mortar is 17.80%				
0367	Portland Cement	tonne	0.25	4940.00	1235.00
2209	Carriage of Cement	tonne	0.25	92.24	23.06
0983	Fine sand (zone IV)	cum	1.07	900.00	963.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	103.77	111.03
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				2874.64
	Say				2874.65

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.476 cum. of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	4940.00	3359.20
2209	Carriage of Cement	tonne	0.68	92.24	62.72
0982	Coarse sand (zone III)	cum	0.95	1350.00	1282.50
2203	Carriage of Coarse sand	cum	0.95	103.77	98.58
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				5345.55
	Say				5345.55

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.357 cum. of cement = 0.51 tonne) Cement required for cement mortar is 35.70%				
0367	Portland Cement	tonne	0.51	4940.00	2519.40
2209	Carriage of Cement	tonne	0.51	92.24	47.04
0982	Coarse sand (zone III)	cum	1.07	1350.00	1444.50
2203	Carriage of Coarse sand	cum	1.07	103.77	111.03
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				4664.53
	Say				4664.55

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.268 cum. of cement = 0.38 tonne) Cement required for cement mortar is 26.80%				
0367	Portland Cement	tonne	0.38	4940.00	1877.20
2209	Carriage of Cement	tonne	0.38	92.24	35.05
0982	Coarse sand (zone III)	cum	1.07	1350.00	1444.50
2203	Carriage of Coarse sand	cum	1.07	103.77	111.03
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				4010.34
	Say				4010.35

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.214 cum. of cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0367	Portland Cement	tonne	0.31	4940.00	1531.40
2209	Carriage of Cement	tonne	0.31	92.24	28.59

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0982	Coarse sand (zone III)	cum	1.07	1350.00	1444.50
2203	Carriage of Coarse sand	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				3658.08
	Say				3658.10

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.178 cum. of cement = 0.25 tonne) Cement required for cement mortar is 17.80%				
0367	Portland Cement	tonne	0.25	4940.00	1235.00
2209	Carriage of Cement	tonne	0.25	92.24	23.06
0982	Coarse sand (zone III)	cum	1.07	1350.00	1444.50
2203	Carriage of Coarse sand	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				3356.14
	Say				3356.15

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.475 cum. of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	4940.00	3359.20
2209	Carriage of Cement	tonne	0.68	92.24	62.72
1159	Stone dust	cum	0.95	1100.00	1045.00
2267	Carriage of Stone dust	cum	0.95	103.77	98.58
	LABOUR				
	For measuring, carrying, depositing and mixing-				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				5108.05
	Say				5108.05

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.475 cum of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	4940.00	3359.20
2209	Carriage of Cement	tonne	0.68	92.24	62.72
0784	Marble dust/ powder	cum	0.95	1130.00	1073.50
2268	Carriage of Marble dust and marble chips	cum	0.95	103.77	98.58
	LABOUR For measuring, carrying, depositing and mixing				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				5136.55
	Say				5136.55

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.214 cum. of cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0367	Portland Cement	tonne	0.31	4940.00	1531.40
2209	Carriage of Cement	tonne	0.31	92.24	28.59
0784	Marble dust/ powder	cum	1.07	1130.00	1209.10
2268	Carriage of Marble dust and marble chips	cum	1.07	103.77	111.03
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				3422.68
	Say				3422.70

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.475 cum. of white cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0368	White Cement	tonne	0.68	11200.00	7616.00
2209	Carriage of Cement	tonne	0.68	92.24	62.72
0784	Marble dust/ powder	cum	0.95	1130.00	1073.50
2268	Carriage of Marble dust and marble chips	cum	0.95	103.77	98.58
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				9393.35
	Say				9393.35

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.357 cum. of white cement = 0.51 tonne) Cement required for cement mortar is 35.70%				
0368	White Cement	tonne	0.51	11200.00	5712.00
2209	Carriage of Cement	tonne	0.51	92.24	47.04
0784	Marble dust/ powder	cum	1.07	1130.00	1209.10
2268	Carriage of Marble dust and marble chips	cum	1.07	103.77	111.03
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				7621.73
	Say				7621.75

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL (0.214 cum. of white cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0368	White Cement	tonne	0.31	11200.00	3472.00
2209	Carriage of Cement	tonne	0.31	92.24	28.59
0784	Marble dust/ powder	cum	1.07	1130.00	1209.10
2268	Carriage of Marble dust and marble chips	cum	1.07	103.77	111.03

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.07	617.00	43.19
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	13.52	2.00	27.04
	Cost of 1.00 cum				5363.28
	Say				5363.30

3.18 Mud mortar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for one cum				
0811	MATERIAL				
	Mud (dry)	cum	1.08	165.00	178.20
	LABOUR				
0114	Beldar	day	0.63	558.00	351.54
0101	Bhisti	day	0.315	617.00	194.36
9999	Sundries	L.S.	6.45	2.00	12.90
	Cost of one cum				737.00
	Say				737.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.475 cum of lime putty) = 3.01 q of unslaked lime				
1182	Surkhi	cum	0.7125	700.00	498.75
0773	Unslaked lime	quintal	3.01	300.00	903.00
0784	Marble dust/ powder	cum	0.24	1130.00	271.20
2268	Marble dust and/or marble chips	cum	0.24	103.77	24.90
2208	Carriage of Lime	cum	3.01	103.77	312.35
	LABOUR				
	For slaking lime, making lime putty, grinding and carrying				
0114	Beldar	day	0.90	558.00	502.20
0101	Bhisti	day	0.45	617.00	277.65
9999	As cost for running and upkeep of mortar mill	L.S.	10.35	2.00	20.70
9999	Sundries	L.S.	5.20	2.00	10.40
	Cost of 1.00 cum				2821.15
	Say				2821.15

SUB HEAD : 4.0
CONCRETE WORK

4.1 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :
4.1.2 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1350.00	769.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1350.00	573.75
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement (0.2833 cum)	tonne	0.40	4940.00	1976.00
2209	Carriage of Cement	tonne	0.40	92.24	36.90
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	1.63	558.00	909.54
0101	Bhisti	day	0.70	617.00	431.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	14.30	2.00	28.60
	TOTAL				5389.29 W
	Add 1 % Water charges on "W"				53.89
	TOTAL				5443.19 X
	Add GST on "X" (multiplying factor 0.1405)				764.77
	TOTAL				6207.95 Y
	Add 15% CPOH on "Y"				931.19
	TOTAL				7139.15 Z
	Add Cess @ 1% on "Z"				71.39
	Cost of 1 cum.				7210.54
	Say				7210.55

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.67	1350.00	904.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1350.00	297.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	103.77	92.36
0982	Coarse sand (zone III)	cum	0.445	1350.00	600.75
2203	Carriage of Coarse sand	cum	0.445	103.77	46.18
0367	Portland Cement (0.2225 cum)	tonne	0.32	4940.00	1580.80
2209	Carriage of Cement	tonne	0.32	92.24	29.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	1.63	558.00	909.54
0101	Bhisti	day	0.70	617.00	431.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	14.30	2.00	28.60
	TOTAL				5073.94 W
	Add 1 % Water charges on "W"				50.74
	TOTAL				5124.68 X
	Add GST on "X" (multiplying factor 0.1405)				720.02
	TOTAL				5844.70 Y
	Add 15% CPOH on "Y"				876.70
	TOTAL				6721.40 Z
	Add Cess @ 1% on "Z"				67.21
	Cost of 1 cum.				6788.62
	Say				6788.60

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size, 0.56 - (7.5% for voids i.e.) 0.04 = 0.52 cum	cum	0.52	1300.00	676.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.22	1350.00	297.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.11	1350.00	148.50
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.52	112.79	58.65
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.33	103.77	34.24
0982	Coarse sand (zone III)	cum	0.445	1350.00	600.75
2203	Carriage of Coarse sand	cum	0.445	103.77	46.18
0367	Portland Cement (0.2225 cum)	tonne	0.32	4940.00	1580.80
2209	Carriage of Cement	tonne	0.32	92.24	29.52
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	1.63	558.00	909.54
0101	Bhisti	day	0.70	617.00	431.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				4992.92 W
	Add 1 % Water charges on "W"				49.93
	TOTAL				5042.85 X
	Add GST on "X" (multiplying factor 0.1405)				708.52
	TOTAL				5751.37 Y
	Add 15% CPOH on "Y"				862.71
	TOTAL				6614.07 Z
	Add Cess @ 1% on "Z"				66.14
	Cost of 1 cum.				6680.21
	Say				6680.20

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.70	1350.00	945.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.24	1350.00	324.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.94	103.77	97.54
0982	Coarse sand (zone III)	cum	0.47	1350.00	634.50
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement(0.15674 cum)	tonne	0.22	4940.00	1086.80
2209	Carriage of Cement	tonne	0.22	92.24	20.29
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	1.63	558.00	909.54
0101	Bhisti	day	0.70	617.00	431.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				4678.19 W
	Add 1 % Water charges on "W"				46.78
	TOTAL				4724.97 X
	Add GST on "X" (multiplying factor 0.1405)				663.86
	TOTAL				5388.83 Y
	Add 15% CPOH on "Y"				808.32
	TOTAL				6197.15 Z
	Add Cess @ 1% on "Z"				61.97
	Cost of 1 cum.				6259.12
	Say				6259.10

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1350.00	634.50
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement (0.15674 cum)	tonne	0.22	4940.00	1086.80
2209	Carriage of Cement	tonne	0.22	92.24	20.29
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	1.63	558.00	909.54
0101	Bhisti	day	0.70	617.00	431.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				4578.86 W
	Add 1 % Water charges on "W"				45.79
	TOTAL				4624.65 X
	Add GST on "X" (multiplying factor 0.1405)				649.76
	TOTAL				5274.42 Y
	Add 15% CPOH on "Y"				791.16
	TOTAL				6065.58 Z
	Add Cess @ 1% on "Z"				60.66
	Cost of 1 cum.				6126.23
	Say				6126.25

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1350.00	634.50
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement (0.1175 cum)	tonne	0.17	4940.00	839.80
2209	Carriage of Cement	tonne	0.17	92.24	15.68
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	1.63	558.00	909.54
0101	Bhisti	day	0.70	617.00	431.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				4327.25 W
	Add 1 % Water charges on "W"				43.27
	TOTAL				4370.52 X
	Add GST on "X" (multiplying factor 0.1405)				614.06
	TOTAL				4984.58 Y
	Add 15% CPOH on "Y"				747.69
	TOTAL				5732.27 Z
	Add Cess @ 1% on "Z"				57.32
	Cost of 1 cum.				5789.59
	Say				5789.60

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1350.00	634.50
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement (0.2225 cum)	tonne	0.13	4940.00	642.20
2209	Carriage of Cement	tonne	0.13	92.24	11.99
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	1.63	558.00	909.54
0101	Bhisti	day	0.70	617.00	431.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0002	Hire charges of Concrete Mixer				
	0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				4125.96 W
	Add 1 % Water charges on "W"				41.26
	TOTAL				4167.22 X
	Add GST on "X" (multiplying factor 0.1405)				585.49
	TOTAL				4752.72 Y
	Add 15% CPOH on "Y"				712.91
	TOTAL				5465.62 Z
	Add Cess @ 1% on "Z"				54.66
	Cost of 1 cum.				5520.28
	Say				5520.30

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0983	Fine sand (zone IV)	cum	0.47	900.00	423.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.47	103.77	48.77
0367	Portland Cement (0.2225 cum)	tonne	0.13	4940.00	642.20
2209	Carriage of Cement	tonne	0.13	92.24	11.99
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	1.63	558.00	909.54
0101	Bhisti	day	0.70	617.00	431.90
0002	Hire charges of Concrete Mixer				
	0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	8.97	2.00	17.94
	TOTAL				3905.36 W
	Add 1 % Water charges on "W"				39.05
	TOTAL				3944.42 X
	Add GST on "X" (multiplying factor 0.1405)				554.19
	TOTAL				4498.61 Y
	Add 15% CPOH on "Y"				674.79
	TOTAL				5173.40 Z
	Add Cess @ 1% on "Z"				51.73
	Cost of 1 cum.				5225.13
	Say				5225.15

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum-7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1350.00	499.50
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	10.00	2.10
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.17	4940.00	839.80
2209	Carriage of Cement	tonne	0.17	92.24	15.68
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	1.63	558.00	909.54
0101	Bhisti	day	0.70	617.00	431.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	14.30	2.00	28.60
	TOTAL				4207.33 W
	Add 1 % Water charges on "W"				42.07
	TOTAL				4249.40 X
	Add GST on "X" (multiplying factor 0.1405)				597.04
	TOTAL				4846.44 Y
	Add 15% CPOH on "Y"				726.97
	TOTAL				5573.41 Z
	Add Cess @ 1% on "Z"				55.73
	Cost of one cum.				5629.14
	Say				5629.15

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum-7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.34	1350.00	459.00
2203	Carriage of Coarse sand	cum	0.34	103.77	35.28
1980	Flyash	cum	0.21	10.00	2.10
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.13	4940.00	642.20
2209	Carriage of Cement	tonne	0.13	92.24	11.99
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	1.63	558.00	909.54
0101	Bhisti	day	0.70	617.00	431.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	14.30	2.00	28.60
	TOTAL				3962.42 W
	Add 1 % Water charges on "W"				39.62
	TOTAL				4002.05 X
	Add GST on "X" (multiplying factor 0.1405)				562.29
	TOTAL				4564.33 Y
	Add 15% CPOH on "Y"				684.65
	TOTAL				5248.99 Z
	Add Cess @ 1% on "Z"				52.49
	Cost of one cum.				5301.47
	Say				5301.45

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1350.00	769.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1350.00	573.75
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement (0.2833 cum)	tonne	0.40	4940.00	1976.00
2209	Carriage of Cement	tonne	0.40	92.24	36.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0114	Beldar	day	0.90	558.00	502.20
0115	Coolie	day	0.78	558.00	435.24
0101	Bhisti	day	0.70	617.00	431.90
0123	Mason (brick layer) 1st class	day	0.06	738.00	44.28
0124	Mason (brick layer) 2nd class	day	0.06	679.00	40.74
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Scaffolding	L.S.	114.40	2.00	228.80
9999	Sundries	L.S.	14.30	2.00	28.60
	(Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				6709.15 W
	Add 1 % Water charges on "W"				67.09
	TOTAL				6776.24 X
	Add GST on "X" (multiplying factor 0.1405)				952.06
	TOTAL				7728.31 Y
	Add 15% CPOH on "Y"				1159.25
	TOTAL				8887.55 Z
	Add Cess @ 1% on "Z"				88.88
	Cost of 1 cum.				8976.43
	Say				8976.45

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.67	1350.00	904.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1350.00	297.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	103.77	92.36
0982	Coarse sand (zone III)	cum	0.445	1350.00	600.75
2203	Carriage of Coarse sand	cum	0.445	103.77	46.18
0367	Portland Cement (0.2833 cum)	tonne	0.32	4940.00	1580.80
2209	Carriage of Cement	tonne	0.32	92.24	29.52
	LABOUR				
0114	Beldar	day	0.90	558.00	502.20
0115	Coolie	day	0.78	558.00	435.24
0101	Bhisti	day	0.70	617.00	431.90
0123	Mason (brick layer) 1st class	day	0.06	738.00	44.28
0124	Mason (brick layer) 2nd class	day	0.06	679.00	40.74
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Scaffolding	L.S.	114.40	2.00	228.80
9999	Sundries	L.S.	14.30	2.00	28.60
	(Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				6393.80 W
	Add 1 % Water charges on "W"				63.94
	TOTAL				6457.74 X
	Add GST on "X" (multiplying factor 0.1405)				907.31
	TOTAL				7365.05 Y
	Add 15% CPOH on "Y"				1104.76
	TOTAL				8469.81 Z
	Add Cess @ 1% on "Z"				84.70
	Cost of 1 cum.				8554.51
	Say				8554.50

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.70	1350.00	945.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.24	1350.00	324.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.94	103.77	97.54
0982	Coarse sand (zone III)	cum	0.47	1350.00	634.50
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement (0.15674 cum)	tonne	0.22	4940.00	1086.80
2209	Carriage of Cement	tonne	0.22	92.24	20.29
	LABOUR				
0114	Beldar	day	0.90	558.00	502.20
0115	Coolie	day	0.78	558.00	435.24
0101	Bhisti	day	0.70	617.00	431.90
0123	Mason (brick layer) 1st class	day	0.06	738.00	44.28
0124	Mason (brick layer) 2nd class	day	0.06	679.00	40.74
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Scaffolding (17.60x2.5 avg.)	L.S.	114.40	2.00	228.80
9999	Sundries	L.S.	13.52	2.00	27.04
	(Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				5998.05 W
	Add 1 % Water charges on "W"				59.98
	TOTAL				6058.03 X
	Add GST on "X" (multiplying factor 0.1405)				851.15
	TOTAL				6909.18 Y
	Add 15% CPOH on "Y"				1036.38
	TOTAL				7945.56 Z
	Add Cess @ 1% on "Z"				79.46
	Cost of 1 cum.				8025.01
	Say				8025.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1350.00	634.50
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement	tonne	0.13	4940.00	642.20
2209	Carriage of Cement	tonne	0.13	92.24	11.99
	LABOUR				
0114	Beldar	day	0.90	558.00	502.20
0115	Coolie	day	0.78	558.00	435.24
0101	Bhisti	day	0.70	617.00	431.90
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Scaffolding	L.S.	114.40	2.00	228.80
9999	Sundries	L.S.	14.30	2.00	28.60
	(Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				5436.16 W
	Add 1 % Water charges on "W"				54.36
	TOTAL				5490.52 X
	Add GST on "X" (multiplying factor 0.1405)				771.42
	TOTAL				6261.94 Y
	Add 15% CPOH on "Y"				939.29
	TOTAL				7201.23 Z
	Add Cess @ 1% on "Z"				72.01
	Cost of 1 cum.				7273.25
	Say				7273.25

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

4.3.1 Foundations, footings, bases for columns

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for footing size 2.7mx2.7mx1.00m Contact area = 10.8 sqm. MATERIAL Assuming shuttering material will become unserviceable after use of				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7319	40 times, Adding for maintenance @ 10% of cost, Taking salvage value after full use of material @ 25% of cost Wall form panel 1250x500 mm Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	860.00	292.40
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	240.00	20.40
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	76.00	25.84
7329	Single clip Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	59.00	10.03
7330	M.S. tube 40 mm dia Qty taken for cost of using once = $10.8 \times 0.85 / 40 = 0.2295$	metre	0.2295	215.00	49.34
9999	Assembly nuts & bolts	L.S.	22.10	2.00	44.20
9977	Carriage	L.S.	78.00	2.00	156.00
	LABOUR				
0116	Fitter (grade 1)	day	0.75	738.00	553.50
0114	Beldar	day	1.50	558.00	837.00
9999	Shuttering oil	L.S.	52.00	2.00	104.00
9999	Sundries	L.S.	26.00	2.00	52.00
	TOTAL				2299.41 W
	Add 1 % Water charges on "W"				22.99
	TOTAL				2322.41 X
	Add GST on "X" (multiplying factor 0.1405)				326.30
	TOTAL				2648.70 Y
	Add 15% CPOH on "Y"				397.31
	TOTAL				3046.01 Z
	Add Cess @ 1% on "Z"				30.46
	Cost for 10.8 sqm.				3076.47
	Cost per sqm.				284.86
	Say				284.85

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details for 7.9m long and 1.00m high wall Area of contact $2 \times 7.9 \times 1.0 = 15.8$ sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7319	Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost Wall form panel 1250x500 mm Qty taken for cost of using once = $24 \times 0.85 / 40 = 0.51$	each	0.51	860.00	438.60
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) Qty taken for cost of using once = $24 \times 0.85 / 40 = 0.51$	each	0.51	76.00	38.76
7329	Single clip Qty taken for cost of using once = $12 \times 0.85 / 40 = 0.255$	each	0.255	59.00	15.05
7330	M.S. tube 40 mm dia Qty taken for cost of using once = $32 \times 0.85 / 40 = 0.68$	metre	0.68	215.00	146.20
9999	Nut & Bolts	L.S.	27.62	2.00	55.24
9977	Carriage	L.S.	78.00	2.00	156.00
	LABOUR				
0116	Fitter (grade 1)	day	3.50	738.00	2583.00
0114	Beldar	day	6.00	558.00	3348.00
9999	Shuttering oil	L.S.	78.00	2.00	156.00
9999	Sundries	L.S.	52.00	2.00	104.00
	TOTAL				7195.55 W
	Add 1 % Water charges on "W"				71.96
	TOTAL				7267.50 X
	Add GST on "X" (multiplying factor 0.1405)				1021.08
	TOTAL				8288.58 Y
	Add 15% CPOH on "Y"				1243.29
	TOTAL				9531.87 Z
	Add Cess @ 1% on "Z"				95.32
	Cost for 15.8 sqm.				9627.19
	Cost per sqm.				609.32
	Say				609.30

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 4.5sqm Size of column 450x450mm and 2.5m high Area of contact = $4 \times 0.45 \times 2.5 = 4.5$ sqm. MATERIAL Assuming shuttering will become unserviceable after use of 40 times Add maintenance charges @ 10% of cost of material Less salvage value of material after full use @ 25% of cost of material				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7331	Wall form panel 1250x450 mm Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	860.00	146.20
7332	Corner angle 45x45x5 mm 2.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	255.00	21.68
7333	Column clamp 450x1070 mm Qty taken for cost of using once = $5 \times 0.85 / 40 = 0.1063$	each	0.1063	965.00	102.58
7334	Prop 2 m (2-3.5m) Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	635.00	53.98
9999	Assembly nut & bolt	L.S.	27.62	2.00	55.24
9977	CARRIAGE	L.S.	52.00	2.00	104.00
	LABOUR				
0116	Fitter (grade 1)	day	1.00	738.00	738.00
0114	Beldar	day	2.00	558.00	1116.00
9999	Shuttering oil	L.S.	39.00	2.00	78.00
9977	Carriage	L.S.	26.00	2.00	52.00
	TOTAL				2467.67 W
	Add 1 % Water charges on "W"				24.68
	TOTAL				2492.35 X
	Add GST on "X" (multiplying factor 0.1405)				350.17
	TOTAL				2842.52 Y
	Add 15% CPOH on "Y"				426.38
	TOTAL				3268.90 Z
	Add Cess @ 1% on "Z"				32.69
	Cost for 4.5 sqm.				3301.59
	Cost per sqm.				733.69
	Say				733.70

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for kerb : 100m long 20cm deep and 30cm wide, $100\text{m} \times 0.30\text{m} \times 0.20\text{m} = 6.00$ cum. Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH:CONCRETE WORK Cost for 6 cum. Cost per cum. Say	cum	6.00	7210.55	43263.30 A 43263.30 7210.55 7210.55

- 4.5 Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc., including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required Centering complete.**
- 4.5.1 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20mm nominal size)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for Plain window sill 15 nos. 15x1m x 0.20m x 0.15m = 0.45cum. MATERIAL Cement concrete 1:1½:3 Rate as per Item Number 4.1.2 of SH: Concrete work	cum	0.45	7210.55	3244.75 A
0115	Coolie (Extra labour for lifting = 0.45 x 0.45 x 2.5 = 0.51) Centering and shuttering (1) Mould (i) Plate 3mm thick (2x1x0.15)+(2x0.15x0.20) = 0.36 sqm. @ 23.55kg/m² = 8.48 kg. (ii) Flat 10x5mm 4x1.0 = 4.0m 8x0.2 = 1.6m 4x0.15 = 0.60m Handle 2x0.25 = 0.5m 6.70m @ 0.4kg/m = 2.68 kg. Total = 11.16kg. or 0.112 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = 0.112x0.75/40 = 0.0021 qtl = 0.21 kg Rate as per item no.10.1 S.H. steel work	day	0.51	558.00	284.58
10.1	(2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm Rate as per item no. 11.1.2 of S.H.: Flooring work	kg	0.21	86.05	18.07 A
11.1.2	(ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.10cum Qty taken for cost of using once = 0.100/40 = 0.0025 cum Rate as per item no. 11.7 of S.H.: Flooring work	sqm	0.10	829.45	82.95 A
11.7		cum	0.0025	7335.10	18.34 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar and labour for hoisting and finishing	L.S.	36.30	2.00	72.60
	TOTAL				3721.28 W
	Add 1 % Water charges on "W-A"				3.57
	TOTAL				3724.85 X
	Add GST on "X-A" (multiplying factor 0.1405)				50.69
	TOTAL				3775.54 Y
	Add 15% CPOH on "Y-A"				61.72
	TOTAL				3837.25 Z
	Add Cess @ 1% on "Z-A"				4.73
	Cost for 0.45 cum.				3841.99
	Cost per cum.				8537.75
	Say				8537.75

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 25 no kerbs, 40x30x20cm 25 no x 0.40m x 0.30m x 0.20m = 0.6 cum MATERIAL Cement concrete 1:1.5:3 Rate as per Item No.4.1.2 of SH:CONCRETE WORK Centering and shuttering (1) Mould (i) Plate 3mm thick 0.28 sqm. @ 23.55kg/m² = 6.59 kg. (ii) Flat 10x5mm Handle 2x0.25 x0.4 = 6.79kg. or 0.068 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = 0.068x0.75/40 = 0.001275 qtl = 0.1275 kg	cum	0.60	7210.55	4326.33 A
10.1	Rate as per item no 10.1 SH: Steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm.	kg	0.1275	86.05	10.97 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.1.2	Qty taken for cost of using once = $4/40 = 0.1$ sqm Rate as per item no. 11.1.2 S.H.: Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement $2.00 \times 2.00 \times 0.025 = 0.100$ Qty taken for cost of using once = $0.100/40 = 0.0025$ cum	sqm	0.10	829.45	82.95 A
11.7	Rate as per Item Number 11.7 of SH: Flooring	cum	0.0025	7335.10	18.34 A
9999	Mortar and labour for finishing	L.S.	30.54	2.00	61.08
	TOTAL				4499.66 W
	Add 1 % Water charges on "W-A"				0.61
	TOTAL				4500.27 X
	Add GST on "X-A" (multiplying factor 0.1405)				8.67
	TOTAL				4508.94 Y
	Add 15% CPOH on "Y-A"				10.55
	TOTAL				4519.50 Z
	Add Cess @ 1% on "Z-A"				0.81
	Cost for 0.6 cum.				4520.31
	Cost per cum.				7533.84
	Say				7533.85

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

4.7.1 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 25 no blocks, 40x20x30cm $25 \text{ no} \times 0.40\text{m} \times 0.30\text{m} \times 0.20\text{m} = 0.6 \text{ cum}$ MATERIAL Cement concrete 1:1.5:3 Rate as per Item No.4.1.2 of SH:CONCRETE WORK Centering and shuttering (1) Mould (i) Plate 3mm thick $0.28 \text{ sqm. @ } 23.55\text{kg/m}^2 = 6.59 \text{ kg.}$ (ii) Flat 10x5mm Handle $2 \times 0.25 \times 0.4 = 6.79\text{kg. or } 0.068 \text{ qtl.}$ Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = $0.068 \times 0.75/80 = 0.001275 \text{ qtl} = 0.1275 \text{ kg}$	cum	0.60	7210.55	4326.33 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	Rate as per item no.10.1 SH : steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm	kg	0.1275	86.05	10.97 A
11.1.2	Rate as per item no. 11.1.2 SH : Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.100 Qty taken for cost of using once = 0.100/40 = 0.0025 cum	sqm	0.10	829.45	82.95 A
11.7	Rate as per Item Number 11.7 of SH: Flooring Mortar 1:3 for Fixing 0.202/100x25=0.051	cum	0.0025	7335.10	18.34 A
3.8	Rate as per Item No 3.8 Extra for Labour for lifting (27/100x25=0.675 or 0.68)	cum	0.051	4664.55	237.89
0115	Coolie Labour for hoisting and setting in position	day	0.68	558.00	379.44
0123	Mason (brick layer) 1st class	day	0.60	738.00	442.80
0114	Beldar	day	3.60	558.00	2008.80
	TOTAL				7507.52 W
	Add 1 % Water charges on "W-A"				30.69
	TOTAL				7538.21 X
	Add GST on "X-A" (multiplying factor 0.1405)				435.50
	TOTAL				7973.70 Y
	Add 15% CPOH on "Y-A"				530.27
	TOTAL				8503.97 Z
	Add Cess @ 1% on "Z-A"				40.65
	Cost for 0.6 cum.				8544.62
	Cost per cum.				14241.04
	Say				14241.05

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one block of overall size 1m x 0.50m and 0.10m thick having 6 vertical hollows, 40x20x30cm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	finished contents = $1\text{m} \times 0.5\text{m} \times 0.1\text{m} = 0.05\text{cum}$ MATERIAL Cement concrete 1:1.5:3 Net qty = $0.05[6 \times 0.5 \times \{2 \times 1/2(0.05+7)\} \times 0.074] = 0.023\text{cum}$ Rate as per Item No.4.1.2 of SH:CONCRETE WORK	cum	0.023	7210.55	165.84 A
9999	Centering and shuttering including T&P charges, hire charges of steel mould, table vibrator, rammer, bolts nuts & washers etc.	L.S.	26.91	2.00	53.82
3.7	Cement mortar 1:2 for fixing Rate as per Item No.3.7 of SH:MORTARS	cum	0.002	5345.55	10.69
0115	LABOUR Extra Labour for lifting material upto floor V level Coolie	day	0.056	558.00	31.25
0123	Labour for hoisting and setting in position Mason (brick layer) 1st class	day	0.05	738.00	36.90
0114	Beldar	day	0.30	558.00	167.40
	TOTAL				465.90 W
	Add 1 % Water charges on "W-A"				3.00
	TOTAL				468.90 X
	Add GST on "X-A" (multiplying factor 0.1405)				42.58
	TOTAL				511.48 Y
	Add 15% CPOH on "Y-A"				51.85
	TOTAL				563.33 Z
	Add Cess @ 1% on "Z-A"				3.97
	Cost for 0.05 cum.				567.30
	Cost per cum.				11346.06
	Say				11346.05

4.9 Precasting and placing in position 125 mm dia Bollards 600 mm high of required shape including providing M.S. Pipe Sleeve 50 mm dia 300 mm long in the Bollard and M.S. Pipes 40 mm dia and 450mm long with 150x150x6mm M.S. plate welded at bottom and embedded 150mm in cement concrete 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 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.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.1.3	Details of Cost for one bollard MATERIAL Cement concrete 1:2:4 $3.14/4 \times (0.125) \times (0.125) \times 0.60 = 0.007 \text{ cum}$ Rate as per Item no. 5.1.3 SH : RCC Centering and shuttering $3.14 \times (0.125) \times 0.60 = 0.24 \text{ sqm}$	cum	0.007	7296.35	51.07 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.9.1	Rate as per Item no. 5.9.1 SH : RCC M.S. pipes (medium class) 50 mm dia sleeve =1x0.30x5.10 = 1.53 kg 40 mm dia pipe =1x0.45x3.61 = 1.62 kg M.S. plate 3mm thick =(0.15x0.15)x 23.55 =0.53 kg Total =3.68 kg	sqm	0.24	284.85	68.36 A
10.1	Rate as per Item no.10.1 SH : Steel work Excavation 0.25x0.25x0.45 = 0.03 cum	kg	3.68	86.05	316.66 A
2.8.1	Rate as per Item no. 2.8.1 SH : Earth work Cement concrete 1:3:6	cum	0.03	252.30	7.57 A
4.1.5	Rate as per Item no. 4.1.5 SH : Cement concrete 6 mm rendering (1:3) (0.24+0.01) = 0.25 sqm	cum	0.03	6259.10	187.77 A
5.23	Rate as per Item no. 5.23 SH : RCC	sqm	0.25	227.35	56.84 A
9988	Carriage and fixing charges	L.S.	13.00	2.00	26.00
	TOTAL				714.28 W
	Add 1 % Water charges on "W-A"				0.26
	TOTAL				714.54 X
	Add GST on "X-A" (multiplying factor 0.1405)				3.69
	TOTAL				718.23 Y
	Add 15% CPOH on "Y-A"				4.49
	TOTAL				722.72 Z
	Add Cess @ 1% on "Z-A"				0.34
	Cost for one bollard				723.07
	Say				723.05

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.3	Details of cost for 10 sqm MATERIAL Cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 12.5 mm nominal size) 10x0.040 = 0.40 cum Rate as per item no 4.1.3 of SH: Concrete work Add deduct for difference of cost between 20mm size and 12.5mm size	cum	0.40	6788.60	2715.44 A
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	-0.67	1350.00	-904.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.67	1350.00	904.50
	Add for delay				
0123	Mason (brick layer) 1st class	day	0.40	738.00	295.20
0124	Mason (brick layer) 2nd class	day	0.40	679.00	271.60
9999	Sundries (Form work etc.)	L.S.	1.95	2.00	3.90
	TOTAL				3286.14 W
	Add 1 % Water charges on "W-A"				5.71
	TOTAL				3291.85 X
	Add GST on "X-A" (multiplying factor 0.1405)				80.99
	TOTAL				3372.83 Y
	Add 15% CPOH on "Y-A"				98.61
	TOTAL				3471.44 Z
	Add Cess @ 1% on "Z-A"				7.56
	Cost for 10 sqm				3479.00
	Cost for 1 sqm				347.90
	Say				347.90

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
	Cement concrete 1:2:4 (1 cement 2 coarse sand (zone - III) : 4 graded aggregate 20 mm normal size) = 10x0.05 = 0.50 cum				
4.1.3	Rate as per item no 4.1.3 of SH:Concrete work	cum	0.50	6788.60	3394.30 A
	Add for delay :				
0123	Mason (brick layer) 1st class	day	0.40	738.00	295.20
0124	Mason (brick layer) 2nd class	day	0.40	679.00	271.60
9999	Sundries (Form work etc.)	L.S.	13.52	2.00	27.04
	TOTAL				3988.14 W
	Add 1 % Water charges on "W-A"				5.94
	TOTAL				3994.08 X
	Add GST on "X-A" (multiplying factor 0.1405)				84.27
	TOTAL				4078.35 Y
	Add 15% CPOH on "Y-A"				102.61
	TOTAL				4180.95 Z
	Add Cess @ 1% on "Z-A"				7.87
	Cost for 10 sqm.				4188.82
	Cost of 1 sqm.				418.88
	Say				418.90

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1213	Details of cost for per bag of 50kg. of cement				
9988	MATERIAL				
	Approved waterproofing materials according to the recommended proportions				
	Water proofing materials	kilogram	1.00	35.00	35.00
	Carriage of water proofing material and labour for mixing etc.	L.S.	3.64	2.00	7.28
	TOTAL				42.28 W
	Add 1 % Water charges on "W"				0.42
	TOTAL				42.70 X
	Add GST on "X" (multiplying factor 0.1405)				6.00
	TOTAL				48.70 Y
	Add 15% CPOH on "Y"				7.31
	TOTAL				56.01 Z
	Add Cess @ 1% on "Z"				0.56
	Cost per bag of cement of 50kg.				56.57
	Say				56.55

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0309	Details of cost for 10sqm. MATERIAL				
	Paving bitumen VG-10 of approved quality	tonne	0.017	25614.00	435.44
0771	Kerosene oil	litre	1.23	50.00	61.50
	Fuel for heating				
0370	Coal (steam)	quintal	0.035	440.00	15.40
2211	Carriage of Tar bitumen	tonne	0.017	103.77	1.76
	LABOUR				
	Cleaning surface and applying kerosene oil				
0114	Beldar	day	0.12	558.00	66.96
	Heating the material				
0115	Coolie	day	0.07	558.00	39.06
	Spreading hot tar over damp proof course				
0131	Painter	day	0.20	679.00	135.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries (Carriage of kerosene, steam coal, brushes, T&P etc.)	L.S.	33.15	2.00	66.30
	TOTAL				822.22 W
	Add 1 % Water charges on "W"				8.22
	TOTAL				830.44 X
	Add GST on "X" (multiplying factor 0.1405)				116.68
	TOTAL				947.12 Y
	Add 15% CPOH on "Y"				142.07
	TOTAL				1089.19 Z
	Add Cess @ 1% on "Z"				10.89
	Cost for 10 sqm.				1100.08
	Cost of 1 sqm.				110.01
	Say				110.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Details of cost per cum. Extra labour element required for lifting of materials (0.75x2.00 = 1.50)	day	1.50	558.00	837.00
	Coolie				837.00 W
	TOTAL				837.00
	Add 1 % Water charges on "W"				8.37
	TOTAL				845.37 X
	Add GST on "X" (multiplying factor 0.1405)				118.77
	TOTAL				964.14 Y
	Add 15% CPOH on "Y"				144.62
	TOTAL				1108.77 Z
	Add Cess @ 1% on "Z"				11.09
	Cost for 1 cum.				1119.85
	Say				1119.85

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0011	Details of cost for 14 cum per 0.3m depth Quantity of concrete = 14 cum. pumping hours = 3 hrs. or 0.375 day. Hire charges of Pumpset of capacity 4000 litres/hour.	day	0.375	700.00	262.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar for cleaning slush TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 14cum. per 0.30 m depth Cost of cum. per m depth Say	day	4.00	558.00	2232.00 2494.50 W 24.95 2519.45 X 353.98 2873.43 Y 431.01 3304.44 Z 33.04 3337.49 794.64 794.65

4.16 Extra for laying concrete in or under foul positions.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for 1 cum. Extra labour due to slow progress- Mason (brick layer) 1st class	day	0.02	738.00	14.76
0124	Mason (brick layer) 2nd class	day	0.02	679.00	13.58
0114	Beldar	day	0.25	558.00	139.50
0115	Coolie	day	0.15	558.00	83.70
	TOTAL				251.54 W
	Add 1 % Water charges on "W"				2.52
	TOTAL				254.06 X
	Add GST on "X" (multiplying factor 0.1405)				35.69
	TOTAL				289.75 Y
	Add 15% CPOH on "Y"				43.46
	TOTAL				333.21 Z
	Add Cess @ 1% on "Z"				3.33
	Cost for 1 cum.				336.54
	Say				336.55

4.17 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 thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0287	Detail of cost for 10 sqm MATERIAL Brick Aggregate (Single size) : 40 mm nominal size	cum	0.75	650.00	487.50
2260	Carriage of Brick aggregate	cum	0.75	112.79	84.59
0983	Fine sand (zone IV)	cum	0.06	900.00	54.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.06	103.77	6.23
	Dressing the gound including cutting and filling upto 15cm				
0114	Beldar	day	0.16	558.00	89.28
0115	Coolie	day	0.11	558.00	61.38
	MATERIAL				
	Qty. of cement concrete 1:3:6 on 10 sqm. area = 0.5cum.				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.35	1350.00	472.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.12	1350.00	162.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.47	103.77	48.77
0982	Coarse sand (zone III)	cum	0.23	1350.00	310.50
2203	Carriage of Coarse sand	cum	0.23	103.77	23.87
0367	Portland Cement	tonne	0.11	4940.00	543.40
2209	Carriage of Cement	tonne	0.11	92.24	10.15
	Labour (for C.C 1:3:6)				
0114	Beldar	day	1.00	558.00	558.00
0123	Mason (brick layer) 1st class	day	0.05	738.00	36.90
0101	Bhisti	day	0.33	617.00	203.61
9999	Hire and runing charges of mechanical mixer	L.S.	13.39	2.00	26.78
9999	Sundries	L.S.	6.76	2.00	13.52
	LABOUR				
0155	Mason (average)	day	0.27	709.00	191.43
0114	Beldar	day	1.08	558.00	602.64
0115	Coolie	day	1.08	558.00	602.64
	TOTAL				4589.68 W
	Add 1 % Water charges on "W"				45.90
	TOTAL				4635.58 X
	Add GST on "X" (multiplying factor 0.1405)				651.30
	TOTAL				5286.88 Y
	Add 15% CPOH on "Y"				793.03
	TOTAL				6079.91 Z
	Add Cess @ 1% on "Z"				60.80
	Cost of 10.00 sqm				6140.71
	Cost of 1.00 sqm				614.07
	Say				614.05

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for per bag of 50 kg of cement used in concrete				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8732	MATERIAL Synthetic polyester triangular fibre of length 12mm, effective dia 10-40 microns and specific gravity of 1.34 to 1.40 TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost per bag of 50 kg of cement Say	kg	0.125	365.00	45.63 45.63 W 0.46 46.08 X 6.47 52.56 Y 7.88 60.44 Z 0.60 61.04 61.05

4.19 Providing and laying in position ready mixed plain cement concrete, using fly ash 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 plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, 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 IS 3812 (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.

4.19.1 All works upto plinth level:

4.19.1.1 M-15 grade plain cement concrete (cement content considered @ 240 kg/cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1350.00	499.50
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1980	Flyash	cum	0.21	10.00	2.10
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.24	4940.00	1185.60
2209	Carriage of Cement	tonne	0.24	92.24	22.14
7318	Plasticizer / super plasticizer	kilogram	1.20	36.00	43.20
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	30.00	300.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	TOTAL				5783.67 W
	Add 1 % Water charges on "W"				57.84
	TOTAL				5841.51 X
	Add GST on "X" (multiplying factor 0.1405)				820.73
	TOTAL				6662.24 Y
	Add 15% CPOH on "Y"				999.34
	TOTAL				7661.58 Z
	Add Cess @ 1% on "Z"				76.62
	Cost per 1.00 cum				7738.19
	Say				7738.20

4.19.1.2 M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1350.00	499.50
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	10.00	2.10
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.22	4940.00	1086.80
2209	Carriage of Cement	tonne	0.22	92.24	20.29

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7318	Plasticizer / super plasticizer	kilogram	1.10	36.00	39.60
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	30.00	300.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.				
	Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	TOTAL				5679.43 W
	Add 1 % Water charges on "W"				56.79
	TOTAL				5736.22 X
	Add GST on "X" (multiplying factor 0.1405)				805.94
	TOTAL				6542.16 Y
	Add 15% CPOH on "Y"				981.32
	TOTAL				7523.49 Z
	Add Cess @ 1% on "Z"				75.23
	Cost per 1.00 cum				7598.72
	Say				7598.70

4.19.2 All works above plinth and upto floor V level:

4.19.2.1 M-15 grade plain cement concrete (cement content considered @ 240 kg / cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1350.00	499.50
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	10.00	2.10
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.24	4940.00	1185.60
2209	Carriage of Cement	tonne	0.24	92.24	22.14

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7318	Plasticizer / super plasticizer	kilogram	1.20	36.00	43.20
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	30.00	300.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	(Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				6622.71 W
	Add 1 % Water charges on "W"				66.23
	TOTAL				6688.94 X
	Add GST on "X" (multiplying factor 0.1405)				939.80
	TOTAL				7628.74 Y
	Add 15% CPOH on "Y"				1144.31
	TOTAL				8773.05 Z
	Add Cess @ 1% on "Z"				87.73
	Cost per 1.00 cum				8860.78
	Say				8860.80

4.19.2.2 M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	0.65	1300.00	845.00
	(0.70 - 7.5% for voids i.e. $0.05 = 0.65$ cum)				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1350.00	499.50
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	10.00	2.10
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.22	4940.00	1086.80
2209	Carriage of Cement	tonne	0.22	92.24	20.29
7318	Plasticizer / super plasticizer	kilogram	1.10	36.00	39.60
	Production cost, pumping to respective floors and laying in position				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer. Labour for pouring, consolidating & curing	km/ cum	10.00	30.00	300.00
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	(Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				6518.47 W
	Add 1 % Water charges on "W"				65.18
	TOTAL				6583.65 X
	Add GST on "X" (multiplying factor 0.1405)				925.00
	TOTAL				7508.66 Y
	Add 15% CPOH on "Y"				1126.30
	TOTAL				8634.95 Z
	Add Cess @ 1% on "Z"				86.35
	Cost per 1.00 cum				8721.30
	Say				8721.30

4.20 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 plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, 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.

4.20.1 All works upto plinth level :

4.20.1.1 M-15 grade plain cement concrete (cement content considered @ 240 kg/cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. $0.05 = 0.65$ cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1350.00	634.50
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement	tonne	0.24	4940.00	1185.60
2209	Carriage of Cement	tonne	0.24	92.24	22.14
7318	Plasticizer / super plasticizer	kilogram	1.20	36.00	43.20
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	30.00	300.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	TOTAL				5905.16 W
	Add 1 % Water charges on "W"				59.05
	TOTAL				5964.21 X
	Add GST on "X" (multiplying factor 0.1405)				837.97
	TOTAL				6802.18 Y
	Add 15% CPOH on "Y"				1020.33
	TOTAL				7822.51 Z
	Add Cess @ 1% on "Z"				78.23
	Cost per 1.00 cum				7900.73
	Say				7900.75

4.20.1.2 M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1350.00	634.50
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	0.22	4940.00	1086.80
2209	Carriage of Cement	tonne	0.22	92.24	20.29
7318	Plasticizer / super plasticizer	kilogram	1.10	36.00	39.60
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	30.00	300.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	TOTAL				5800.91 W
	Add 1 % Water charges on "W"				58.01
	TOTAL				5858.92 X
	Add GST on "X" (multiplying factor 0.1405)				823.18
	TOTAL				6682.10 Y
	Add 15% CPOH on "Y"				1002.32
	TOTAL				7684.42 Z
	Add Cess @ 1% on "Z"				76.84
	Cost per 1.00 cum				7761.26
	Say				7761.25

4.20.2 All works above plinth and upto floor V level :

4.20.2.1 M-15 grade plain cement concrete. (cement content considered @ 240 kg / cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1350.00	634.50
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement	tonne	0.24	4940.00	1185.60
2209	Carriage of Cement	tonne	0.24	92.24	22.14

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7318	Plasticizer / super plasticizer	kilogram	1.20	36.00	43.20
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer. Labour for pouring, consolidating & curing	km/ cum	10.00	30.00	300.00
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	(Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				6744.20 W
	Add 1 % Water charges on "W"				67.44
	TOTAL				6811.64 X
	Add GST on "X" (multiplying factor 0.1405)				957.04
	TOTAL				7768.68 Y
	Add 15% CPOH on "Y"				1165.30
	TOTAL				8933.98 Z
	Add Cess @ 1% on "Z"				89.34
	Cost per 1.00 cum				9023.32
	Say				9023.30

4.20.2.2 M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum				
	MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	0.65	1300.00	845.00
	(0.70 - 7.5% for voids i.e. $0.05 = 0.65$ cum)				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1350.00	634.50
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement	tonne	0.22	4940.00	1086.80
2209	Carriage of Cement	tonne	0.22	92.24	20.29
7318	Plasticizer / super plasticizer	kilogram	1.10	36.00	39.60
	Production cost, pumping to respective floors and laying in position				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	30.00	300.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	(Extra labour for lifting material upto floor V level = $0.75 \times 2.5 = 1.88$)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				6639.95 W
	Add 1 % Water charges on "W"				66.40
	TOTAL				6706.35 X
	Add GST on "X" (multiplying factor 0.1405)				942.24
	TOTAL				7648.60 Y
	Add 15% CPOH on "Y"				1147.29
	TOTAL				8795.88 Z
	Add Cess @ 1% on "Z"				87.96
	Cost per 1.00 cum				8883.84
	Say				8883.85

SUB HEAD : 5.0

**REINFORCED CEMENT
CONCRETE**

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1350.00	769.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1350.00	573.75
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement (0.2833 cum)	tonne	0.40	4940.00	1976.00
2209	Carriage of Cement	tonne	0.40	92.24	36.90
	LABOUR				
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	14.30	2.00	28.60
	TOTAL				5768.78 W
	Add 1 % Water charges on "W"				57.69
	TOTAL				5826.47 X
	Add GST on "X" (multiplying factor 0.1405)				818.62
	TOTAL				6645.09 Y
	Add 15% CPOH on "Y"				996.76
	TOTAL				7641.85 Z
	Add Cess @ 1% on "Z"				76.42
	Cost of 1 cum.				7718.27
	Say				7718.25

5.1.3 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.67	1350.00	904.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1350.00	297.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	103.77	92.36
0982	Coarse sand (zone III)	cum	0.445	1350.00	600.75
2203	Carriage of Coarse sand	cum	0.445	103.77	46.18
0367	Portland Cement (0.2225 cum)	tonne	0.32	4940.00	1580.80
2209	Carriage of Cement	tonne	0.32	92.24	29.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	LABOUR				
0114	Mason (average)	day	0.17	709.00	120.53
0101	Beldar	day	2.00	558.00	1116.00
0002	Bhisti	day	0.90	617.00	555.30
0002	Hire charges of Concrete Mixer				
	0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	14.30	2.00	28.60
	TOTAL				5453.43 W
	Add 1 % Water charges on "W"				54.53
	TOTAL				5507.96 X
	Add GST on "X" (multiplying factor 0.1405)				773.87
	TOTAL				6281.83 Y
	Add 15% CPOH on "Y"				942.27
	TOTAL				7224.11 Z
	Add Cess @ 1% on "Z"				72.24
	Cost of 1 cum.				7296.35
	Say				7296.35

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 etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9.18 cum.				
	MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	5.2326	1350.00	7064.01
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	2.5704	1350.00	3470.04
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	7.803	103.77	809.72
0982	Coarse sand (zone III)	cum	3.9015	1350.00	5267.03
2203	Carriage of Coarse sand	cum	3.9015	103.77	404.86
0367	Portland Cement (0.2833 cum)	tonne	3.672	4940.00	18139.68
2209	Carriage of Cement	tonne	3.672	92.24	338.71
	LABOUR				
0114	Beldar	day	11.29	558.00	6299.82
0115	Coolie	day	7.53	558.00	4201.74
0101	Bhisti	day	8.26	617.00	5096.42
0123	Mason (brick layer) 1st class	day	0.92	738.00	678.96
0124	Mason (brick layer) 2nd class	day	0.92	679.00	624.68
0002	Hire charges of Concrete Mixer				
	0.25 to 0.40 cum with hooper	day	0.64	800.00	512.00
0012	Vibrator(Needle type 40mm)	day	0.64	370.00	236.80
9999	Sundries	L.S.	131.82	2.00	263.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding	L.S.	420.03	2.00	840.06
0115	Extra labour for lifting of material upto floor V level: 0.75x9.18x2.5 = 17.21				
	Coolie	day	17.21	558.00	9603.18
	TOTAL				63851.34 W
	Add 1 % Water charges on "W"				638.51
	TOTAL				64489.85 X
	Add GST on "X" (multiplying factor 0.1405)				9060.82
	TOTAL				73550.67 Y
	Add 15% CPOH on "Y"				11032.60
	TOTAL				84583.27 Z
	Add Cess @ 1% on "Z"				845.83
	Cost for 9.18 cum.				85429.11
	Cost for 1 cum.				9306.00
	Say				9306.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1350.00	769.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1350.00	573.75
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement (0.2833 cum)	tonne	0.40	4940.00	1976.00
2209	Carriage of Cement	tonne	0.40	92.24	36.90
	LABOUR				
0155	Mason (average)	day	0.24	709.00	170.16
0114	Beldar	day	2.75	558.00	1534.50
0101	Bhisti	day	0.90	617.00	555.30
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.08	800.00	64.00
0012	Vibrator(Needle type 40mm)	day	0.08	370.00	29.60
9999	Sundries	L.S.	14.30	2.00	28.60
	Extra labour for lifting material upto floor V level: Coolie (2.5x0.75=1.88)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				7297.65 W
	Add 1 % Water charges on "W"				72.98
	TOTAL				7370.63 X
	Add GST on "X" (multiplying factor 0.1405)				1035.57
	TOTAL				8406.20 Y
	Add 15% CPOH on "Y"				1260.93
	TOTAL				9667.13 Z
	Add Cess @ 1% on "Z"				96.67
	Cost for 1 cum.				9763.80
	Say				9763.80

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.4.1	Details of cost for 1 cum. MATERIAL Cement concrete 1:1.5:3 (Rate as per item no 4.4.1 of SH:Concrete work)	cum	1.00	7210.55	7210.55 A
	LABOUR Extra labour for laying CC in RCC work :				
0114	Beldar	day	0.10	558.00	55.80
0101	Bhisti	day	0.20	617.00	123.40
0123	Mason (brick layer) 1st class	day	0.04	738.00	29.52
0124	Mason (brick layer) 2nd class	day	0.04	679.00	27.16
0128	Mate	day	0.04	617.00	24.68
	(Extra labour for lifting material upto floor V level : Coolie = 0.75 x 2.5 = 1.88)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				8520.15 W
	Add 1 % Water charges on "W-A"				13.10
	TOTAL				8533.25 X
	Add GST on "X-A" (multiplying factor 0.1405)				185.84
	TOTAL				8719.08 Y
	Add 15% CPOH on "Y-A"				226.28
	TOTAL				8945.37 Z
	Add Cess @ 1% on "Z-A"				17.35
	Cost of 1 cum.				8962.71
	Say				8962.70

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 26.73cum for semicircular arch 6m clear span and 9m long and 30cm thick. Cement concrete 1:1.5:3 = 1x0.50x3.14x6.30x9.00x0.30 = 26.73cum MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	15.236	1350.00	20568.60
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	7.484	1350.00	10103.40
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	22.703	103.77	2355.89
0982	Coarse sand (zone III)	cum	11.36	1350.00	15336.00
2203	Carriage of Coarse sand	cum	11.36	103.77	1178.83
0367	Portland Cement (0.2833 cum)	tonne	10.692	4940.00	52818.48
2209	Carriage of Cement	tonne	10.692	92.24	986.23
	LABOUR				
0155	Mason (average)	day	6.42	709.00	4551.78
0114	Beldar	day	73.51	558.00	41018.58
0101	Bhisti	day	24.06	617.00	14845.02
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	2.14	800.00	1712.00
0012	Vibrator(Needle type 40mm)	day	2.14	370.00	791.80
9999	Sundries	L.S.	401.89	2.00	803.78
	Extra for laying CC over curved surfaces				
0123	Mason (brick layer) 1st class	day	5.00	738.00	3690.00
0124	Mason (brick layer) 2nd class	day	5.00	679.00	3395.00
0101	Bhisti	day	1.50	617.00	925.50
0115	Coolie (Extra labour for lifting material upto floor V level : Coolie = 0.75 x 2.5 x 26.73 = 50.12)	day	4.50	558.00	2511.00
0115	Coolie	day	50.12	558.00	27966.96
	TOTAL				205558.85 W
	Add 1 % Water charges on "W"				2055.59
	TOTAL				207614.44 X
	Add GST on "X" (multiplying factor 0.1405)				29169.83
	TOTAL				236784.26 Y
	Add 15% CPOH on "Y"				35517.64
	TOTAL				272301.90 Z
	Add Cess @ 1% on "Z"				2723.02
	Cost for 26.73 cum.				275024.92
	Cost for 1 cum.				10289.00
	Say				10289.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.2.2	Details of cost for 1 cum. MATERIAL RCC 1:1½:3 in chimneys & shafts Rate as per Item No.5.2.2 of SH: REINFORCED CEMENT CONCRETE	cum	1.00	9306.00	9306.00 A
0115	LABOUR Extra labour involved for lifting materials Coolie	day	0.26	558.00	145.08
	TOTAL				9451.08 W
	Add 1 % Water charges on "W-A"				1.45
	TOTAL				9452.53 X
	Add GST on "X-A" (multiplying factor 0.1405)				20.59
	TOTAL				9473.12 Y
	Add 15% CPOH on "Y-A"				25.07
	TOTAL				9498.19 Z
	Add Cess @ 1% on "Z-A"				1.92
	Cost for 1 cum.				9500.11
	Say				9500.10

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 1 cum. MATERIAL RCC 1:1½:3 in well steining Rate as per Item No.4.1.2 of SH: CONCRETE WORK	cum	1.00	7210.55	7210.55 A
0115	LABOUR Extra labour involved : Coolie	day	0.08	558.00	44.64
	TOTAL				7255.19 W
	Add 1 % Water charges on "W-A"				0.45
	TOTAL				7255.64 X
	Add GST on "X-A" (multiplying factor 0.1405)				6.33
	TOTAL				7261.97 Y
	Add 15% CPOH on "Y-A"				7.71
	TOTAL				7269.68 Z
	Add Cess @ 1% on "Z-A"				0.59
	Cost for 1 cum.				7270.28
	Say				7270.30

5.8 Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½:3 (1 cement : 1½ coarse sand(zone-III) : 3 graded stone aggregate 20mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4 RCC Vertical fins 4m high and 1m center with 2 horizontal fins, all projecting 60cm from face of wall and 5cm thick = 0.66 cum. Cement Concrete 1:1.5.3 4x4x0.60x0.05 = 0.48 cum. 2x3x0.06x0.05 = 0.18 cum. Total = 0.66 cum. MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.3762	1350.00	507.87
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.1848	1350.00	249.48
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.561	103.77	58.21
0982	Coarse sand (zone III)	cum	0.2805	1350.00	378.68
2203	Carriage of Coarse sand	cum	0.2805	103.77	29.11
0367	Portland Cement (0.2833 cum)	tonne	0.264	4940.00	1304.16
2209	Carriage of Cement	tonne	0.264	92.24	24.35
	LABOUR				
0114	Beldar	day	0.79	558.00	440.82
0115	Coolie	day	0.56	558.00	312.48
0101	Bhisti	day	0.60	617.00	370.20
0123	Mason (brick layer) 1st class	day	0.06	738.00	44.28
0124	Mason (brick layer) 2nd class	day	0.06	679.00	40.74
9999	Scaffolding	L.S.	30.16	2.00	60.32
9999	Sundries	L.S.	9.49	2.00	18.98
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.05	800.00	40.00
0012	Vibrator(Needle type 40mm)	day	0.05	370.00	18.50
0115	Coolie	day	0.18	558.00	100.44
	Extra for restricted working in fins				
0123	Mason (brick layer) 1st class	day	0.05	738.00	36.90
0124	Mason (brick layer) 2nd class	day	0.05	679.00	33.95
0114	Beldar	day	0.10	558.00	55.80
0101	Bhisti	day	0.15	617.00	92.55
	TOTAL				4217.82 W
	Add 1 % Water charges on "W"				42.18
	TOTAL				4260.00 X
	Add GST on "X" (multiplying factor 0.1405)				598.53
	TOTAL				4858.53 Y
	Add 15% CPOH on "Y"				728.78
	TOTAL				5587.31 Z
	Add Cess @ 1% on "Z"				55.87
	Cost for 0.66 cum.				5643.18
	Cost for 1 cum.				8550.27
	Say				8550.25

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for footing size 2.7mx2.7mx1.00m Contact area = 10.8 sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost				
7319	Wall form panel 1250x500 mm Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	860.00	292.40
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	240.00	20.40
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	76.00	25.84
7329	Single clip Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	59.00	10.03
7330	M.S. tube 40 mm dia Qty taken for cost of using once = $10.8 \times 0.85 / 40 = 0.2295$	metre	0.2295	215.00	49.34
9999	Assembly nuts & bolts Qty taken for cost using once = $1040 \times 0.85 / 40 = 22.10$	L.S.	22.10	2.00	44.20
9977	Carriage LABOUR	L.S.	78.00	2.00	156.00
0116	Fitter (grade 1)	day	0.75	738.00	553.50
0114	Beldar	day	1.50	558.00	837.00
9999	Shuttering oil	L.S.	52.00	2.00	104.00
9999	Sundries	L.S.	26.00	2.00	52.00
	TOTAL				2299.41 W
	Add 1 % Water charges on "W"				22.99
	TOTAL				2322.41 X
	Add GST on "X" (multiplying factor 0.1405)				326.30
	TOTAL				2648.70 Y
	Add 15% CPOH on "Y"				397.31
	TOTAL				3046.01 Z
	Add Cess @ 1% on "Z"				30.46
	Cost for 10.8 sqm.				3076.47
	Cost per sqm.				284.86
	Say				284.85

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details for 7.9m long and 1.00m high wall Area of contact $2 \times 7.9 \times 1.0 = 15.8$ sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost				
7319	Wall form panel 1250x500 mm $2 \times 3 \times 2 \times 2 = 24$ Nos. Qty taken for cost of using once = $24 \times 0.85 / 40 = 0.51$	each	0.51	860.00	438.60
7327	100 mm channel shoulder 2.5 m long $4 \times 2 = 8$ Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) $2 \times 6 \times 2 = 24$ Qty taken for cost of using once = $24 \times 0.85 / 40 = 0.51$	each	0.51	76.00	38.76
7329	Single clip $2 \times 3 \times 2 = 12$ Qty taken for cost of using once = $12 \times 0.85 / 40 = 0.255$	each	0.255	59.00	15.05
7330	M.S. tube 40 mm dia $2 \times 2 \times 8 \text{ m} = 32 \text{ m}$ Qty taken for cost of using once = $32 \times 0.85 / 40 = 0.68$	metre	0.68	215.00	146.20
9999	Nut & Bolts Qty taken for cost using once = $1300 \times 0.85 / 40 = 27.62$	L.S.	27.62	2.00	55.24
9977	Carriage LABOUR	L.S.	78.00	2.00	156.00
0116	Fitter (grade 1)	day	3.50	738.00	2583.00
0114	Beldar	day	6.00	558.00	3348.00
9999	Shuttering oil	L.S.	78.00	2.00	156.00
9999	Sundries	L.S.	52.00	2.00	104.00
	TOTAL				7195.55 W
	Add 1 % Water charges on "W"				71.96
	TOTAL				7267.50 X
	Add GST on "X" (multiplying factor 0.1405)				1021.08
	TOTAL				8288.58 Y
	Add 15% CPOH on "Y"				1243.29
	TOTAL				9531.87 Z
	Add Cess @ 1% on "Z"				95.32
	Cost for 15.8 sqm.				9627.19
	Cost per sqm.				609.32
	Say				609.30

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for a room 4.50x3 = 13.50 sqm, height 3.5 m MATERIAL Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost 1. Plates (size 0.75 x 0.60) Angle 40x40x5mm 2x0.75 = 1.50 m 2x0.60 = 1.20 m = 2.70 m @ 3.00 kg/m = 8.1 kg sheet 1.6 mm thick 0.75x0.60 = 0.45 sqm 0.45 sqm @ 12.55kg/sqm = 5.65kg Weight of one plate = 13.75kg Add for wastage @ 5% = 0.69 kg Total = 14.44kg Total weight of all plates = 5x6x14.44 = 433.2 kg. Qty taken for cost using once = 433.2x0.85/40 = 9.2055 kg Rate as per item no.10.1 S.H. steel work				
10.1		kg	9.2055	86.05	792.13 A
7342	Adjustable span ESO+SI (2.35-3.40) Qty taken for cost using once = 5x0.85/40 = 0.1063	each	0.1063	1480.00	157.32
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once = 6x0.85/40 = 0.1275	each	0.1275	955.00	121.76
9999	4. Assembly nut & bolts etc. Qty taken for cost using once = 1040x0.85/40 = 22.10	L.S.	22.10	2.00	44.20
9977	Carriage LABOUR	L.S.	130.00	2.00	260.00
0116	Fitter (grade 1)	day	3.00	738.00	2214.00
0114	Beldar	day	6.00	558.00	3348.00
9999	Shuttering oil	L.S.	78.00	2.00	156.00
9999	Sundries, paper tap etc.	L.S.	49.70	2.00	99.40
	TOTAL				7192.82 W
	Add 1 % Water charges on "W-A"				64.01
	TOTAL				7256.83 X
	Add GST on "X-A" (multiplying factor 0.1405)				908.29
	TOTAL				8165.12 Y
	Add 15% CPOH on "Y-A"				1105.95
	TOTAL				9271.06 Z
	Add Cess @ 1% on "Z-A"				84.79
	Cost for 13.50 sqm.				9355.85
	Cost per sqm.				693.03
	Say				693.05

5.9.4 Shelves (Cast in situ)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for a room 4.50x3 = 13.50 sqm, height 3.5 m				
	MATERIAL				
	Adding for maintenance @ 10% of cost				
	Taking salvage value after full use of material @ 25% of cost				
	1. Plates (size 0.75 x 0.60)				
	Angle 40x40x5mm				
	2x0.75 = 1.50 m				
	2x0.60 = 1.20 m				
	= 2.70 m @ 3.00 kg/m = 8.1 kg				
	sheet 1.6 mm thick				
	0.75x0.60 = 0.45 sqm				
	0.45 sqm @ 12.55kg/sqm = 5.65kg				
	Weight of one plate = 13.75kg				
	Add for wastage @ 5% = 0.69 kg				
	Total = 14.44kg				
	Total weight of all plates =				
	5x6x14.44 = 433.2 kg.				
	Qty taken for cost using once =				
	433.2x0.85/40 = 9.2055 kg				
10.1	Rate as per item no.10.1				
	S.H. steel work	kg	9.2055	86.05	792.13 A
7342	Adjustable span ESO+SI (2.35-3.40)	each	0.1063	1480.00	157.32
	Qty taken for cost using once =				
	5x0.85/40 = 0.1063				
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	0.1275	955.00	121.76
	Qty taken for cost using once =				
	6x0.85/40 = 0.1275				
9999	4. Assembly nut & bolts etc.	L.S.	22.10	2.00	44.20
	Qty taken for cost using once =				
	1040x0.85/40 = 22.10				
9977	Carriage	L.S.	130.00	2.00	260.00
	LABOUR				
0116	Fitter (grade 1)	day	3.00	738.00	2214.00
0114	Beldar	day	6.00	558.00	3348.00
9999	Shuttering oil	L.S.	78.00	2.00	156.00
9999	Sundries, paper tap etc.	L.S.	49.70	2.00	99.40
	TOTAL				7192.82 W
	Add 1 % Water charges on "W-A"				64.01
	TOTAL				7256.83 X
	Add GST on "X-A" (multiplying factor 0.1405)				908.29
	TOTAL				8165.12 Y
	Add 15% CPOH on "Y-A"				1105.95
	TOTAL				9271.06 Z
	Add Cess @ 1% on "Z-A"				84.79
	Cost for 13.50 sqm.				9355.85
	Cost per sqm.				693.03
	Say				693.05

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	Consider a beam of 6 m clear span, 0.50 m deep 0.30 m wide and height 3.5 m from floor Cubical contents $6.60 \times 0.5 \times 0.3 = 0.99$ cum $1 \times 1.30 \times 6.00 = 7.80$ sqm MATERIAL Assuming shuttering will become unserviceable after use of 40 times Add maintenance charges @ 10% of cost of material Less salvage value of material after full use @ 25% of cost of material 1. Steel plates for side and bottom (plate size 1.20 x 0.50m) Angle 40x40x5mm $2 \times 1.20 = 2.40$ m $3 \times 0.50 = 1.50$ m 3.90 m @ 3.00 kg/m = 11.70 kg sheet 1.6 mm thick $1.20 \text{ m} \times 0.50 \text{ m} = 0.60$ sqm. 0.60 sqm @ 12.55 kg/sqm. = 7.53 kg. Weight of one plate = 19.23 kg. Add for wastage @ 5% = 0.96 kg. Total = 20.19 kg. Total weight of all plates $3 \times 5 \times 20.19 = 302.85$ kg or 3.03 q Qty taken for cost of using once = $302.85 \times 0.85 / 40 = 6.4356$ kg. Rate as per item no.10.1				
	S.H. steel work	kg	6.4356	86.05	553.78 A
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost of using once = $6 \times 0.85 / 40 = 0.1275$ m	each	0.1275	955.00	121.76
7344	Beam clamp 300-380 mm (450-1070 mm) Qty taken for cost of using once = $5 \times 0.85 / 40 = 0.1063$ m	each set	0.1063	355.00	37.74
9999	(iv) Assembly nut & bolts etc. Qty taken for cost of using once = $1040 \times 0.85 / 40 = 22.10$	L.S.	22.10	2.00	44.20
9977	Carriage LABOUR	L.S.	78.00	2.00	156.00
0116	Fitter (grade 1)	day	1.25	738.00	922.50
0114	Beldar	day	2.50	558.00	1395.00
9999	Shuttering oil	L.S.	39.00	2.00	78.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries, paper tape etc.	L.S.	24.61	2.00	49.22
	TOTAL				3358.20 W
	Add 1 % Water charges on "W-A"				28.04
	TOTAL				3386.25 X
	Add GST on "X-A" (multiplying factor 0.1405)				397.96
	TOTAL				3784.21 Y
	Add 15% CPOH on "Y-A"				484.56
	TOTAL				4268.77 Z
	Add Cess @ 1% on "Z-A"				37.15
	Cost for 7.80 sqm.				4305.92
	Cost per sqm.				552.04
	Say				552.05

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 4.5 sqm Size of column 450x450mm and 2.5m high Area of contact = $4 \times 0.45 \times 2.5 = 4.5$ sqm. MATERIAL Assuming shuttering will become unserviceable after use of 40 times Add maintenance charges @ 10% of cost of material Less salvage value of material after full use @ 25% of cost of material				
7331	Wall form panel 1250x450 mm Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	860.00	146.20
7332	Corner angle 45x45x5 m 2.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	255.00	21.68
7333	Column clamp 450x1070 m Qty taken for cost of using once = $5 \times 0.85 / 40 = 0.1063$	each	0.1063	965.00	102.58
7334	Prop 2 m (2-3.5m) Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	635.00	53.98
9999	Assembly nut & bolt Qty taken for cost of using once = $1300 \times 0.85 / 40 = 27.62$	L.S.	27.62	2.00	55.24
9977	Carriage LABOUR	L.S.	52.00	2.00	104.00
0116	Fitter (grade 1)	day	1.00	738.00	738.00
0114	Beldar	day	2.00	558.00	1116.00
9999	Shuttering oil	L.S.	39.00	2.00	78.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage	L.S.	26.00	2.00	52.00
	TOTAL				2467.67 W
	Add 1 % Water charges on "W"				24.68
	TOTAL				2492.35 X
	Add GST on "X" (multiplying factor 0.1405)				350.17
	TOTAL				2842.52 Y
	Add 15% CPOH on "Y"				426.38
	TOTAL				3268.90 Z
	Add Cess @ 1% on "Z"				32.69
	Cost for 4.5 sqm.				3301.59
	Cost per sqm.				733.69
	Say				733.70

5.9.7 Stairs, (excluding landings) except spiral-staircases

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5.79 sqm. Details of staircase, 3.40m clear span including 1m landing. MATERIAL (i) Cost of plank 38mm (2nd class kail wood) Waist $2.69 \times 1.30 = 3.50$ sqm. Side shuttering of steps and side of waist-Steps $8 \times 1.30 \times 0.15 = 1.56$ sqm. Face of landing $1 \times 1.30 \times 0.15 = 0.20$ sqm. Side of waist $2.69 \times 0.13 = 0.35$ sqm. Side of steps- $8 \times 0.50 \times 0.30 \times 0.15 = 0.18$ sqm. Total = 5.79 sqm. Wastage 5% = 0.29sqm. Total = 6.08 sq. Cubical content- $6.08 \times 0.038 = 0.231$ cum = 231 dm ³ Qty taken for cost using once = $231/8 = 28.875$ cudm Second class kail wood in planks (ii) Batten 100mm x 75mm $4 \times 1.30 \times 0.100 \times 0.075 = 0.039$ cum = 39 dm ³ Qty taken for cost using once = $39/8 = 4.875$ cudm				
1198	Second class kail wood in planks	10 cudm	2.8875	260.00	750.75
1197	Second class kail wood in scantling $2 \times 4 \times 0.80 = 6.40$ m Qty taken for cost using once = $6.4/8 = 0.8$ m	10 cudm	0.4875	260.00	126.75

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0302	Safeda ballies 125 mm diameter Planks = 0.231 cum. Battens = 0.039 cum. Ballies $6.4 \times 3.142 / 4 \times (0.125)^2 = 0.079$ cum. Total = 0.349 cum. Qty taken for cost using once = $0.349 / 8 = 0.04363$ cum	metre	0.80	40.00	32.00
2204	Carriage of Timber LABOUR For assembling, erection, dismantling and cleaning	cum	0.04363	118.59	5.17
0112	Carpenter 2nd class	day	1.75	679.00	1188.25
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries	L.S.	16.12	2.00	32.24
	TOTAL				2693.16 W
	Add 1 % Water charges on "W"				26.93
	TOTAL				2720.10 X
	Add GST on "X" (multiplying factor 0.1405)				382.17
	TOTAL				3102.27 Y
	Add 15% CPOH on "Y"				465.34
	TOTAL				3567.61 Z
	Add Cess @ 1% on "Z"				35.68
	Cost of 5.79 sqm.				3603.29
	Cost per sqm.				622.33
	Say				622.35

5.9.8 Spiral staircases (including landing)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.9.5	Detail of cost for 6.28 sqm (For 10 steps) Treads $10 \times 0.70 \times 0.20 (\text{av.}) = 1.40$ sqm Rate as per Item Number 5.9.5 of SH: RCC	sqm	1.40	552.05	772.87 A
5.9.2	Riser $2 \times 10 \times 0.70 \times 0.23 = 3.22$ sqm Rate as per item no 5.9.2 of SH : RCC	sqm	3.22	609.30	1961.95 A
5.9.7	Newal Post (Column) $10 \times 0.23 \times 3.14 \times 0.23 = 1.66$ sqm Rate as per item no 5.9.7 of SH: RCC	sqm	1.66	622.35	1033.10 A
	Cost of 6.28 sqm				3767.92
	Cost of 1 sqm				599.99
	Say				600.00

5.9.9 Arches, domes, vaults up to 6 m span

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	<p>Details of cost for a semicircular arch 3.6m clear span and 3.6m long. Area of centering = $22/7 \times 1.8 \times 3.6 = 20.37\text{sqm}$. MATERIAL Frame work in 2nd class kail wood Tie-$1 \times 3.6 \times 0.15 \times 0.20 = 0.108\text{cum}$. Struts-$3 \times 1.8 \times 0.10 \times 0.10 = 0.054\text{cum}$ Struts-$2 \times 2.55 \times 0.10 \times 0.10 = 0.051\text{cum}$. Ribs-$4 \times 1.38 \times 0.075 \times 0.075 = 0.031\text{cum}$. Total = 0.244 cum. Quantity for 7 such frames $7 \times 0.244 = 1.708\text{cum}$. Strips $5\text{cm} \times 2.5\text{cm} = 7.5\text{cm}$ center to center $5.66/0.075 \times 0.05 \times 0.025 \times 3.6 = 0.342\text{cum}$. Total= 2.050 cum = 2050 cudm Qty taken for cost using once = $2050/8 = 256.25\text{cudm}$</p>				
1197	Second class kail wood in scantling	10 cudm	25.625	260.00	6662.50
	Safeda ballies 125 mm dia				
0302	7x4x3.6= 100.8m	metre	12.60	40.00	504.00
	Safeda ballies 125 mm diameter				
	G.I. Plain sheet 20.37 sqm m 116kg.				
	Or 1.16 quintal				
	Qty taken for cost using once =				
0992	$1.16/8 = 0.145\text{ qtl}$	quintal	0.145	5000.00	725.00
	Galvanised steel plain sheets				
	Carriage-				
	Kail wood = 2.05cum.				
	Ballies - $100.8 \times (0.125)^2/4 \times 3.142 =$				
	1.24cum.				
	Total = 3.29 cum.				
	Qty taken for cost using once =				
2204	$3.29/8 = 0.4112\text{ cum}$	cum	0.4112	118.59	48.76
	Carriage of Timber				
	G.I. Sheet = 0.116 t				
	Qty taken for cost using once =				
2302	$0.116/8 = 0.0145\text{ t}$	tonne	0.0145	92.24	1.34
	Carriage of G.I.sheet and accessories				
	LABOUR				
0112	Carpenter 2nd class	day	16.00	679.00	10864.00
0114	Beldar	day	13.00	558.00	7254.00
9999	Sundries	L.S.	11.70	2.00	23.40
	TOTAL				26083.00 W
	Add 1 % Water charges on "W"				260.83
	TOTAL				26343.83 X
	Add GST on "X" (multiplying factor				
	0.1405)				3701.31
	TOTAL				30045.14 Y
	Add 15% CPOH on "Y"				4506.77
	TOTAL				34551.91 Z
	Add Cess @ 1% on "Z"				345.52
	Cost of 20.37sqm.				34897.43
	Cost per sqm.				1713.18
	Say				1713.20

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197 2204	<p>Details of cost for 33.31 sqm Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m $2R-2 = 8$ $\tan^{-1} (4/3)=53.28^\circ$ $2 \times 53.28^\circ = 106^\circ$ Surface area $= 2 \times 22/7 \times 5 \times 3.6 \times 106/360 = 33.31 \text{sqm.}$ Arc=9.25m MATERIAL Tie-$2 \times 8 \times 0.18 \times 0.05 = 0.144 \text{cum}$ Struts-$2 \times 2.5 \times 0.1 \times 0.1 = 0.050 \text{cum.}$ Struts-$2 \times 1.77 \times 0.1 \times 0.1 = 0.035 \text{cum.}$ Ribs-$6 \times 1.54 \times 0.23 \times 0.1 = 0.213 \text{cum.}$ Struts-$2 \times 1.72 \times 0.1 \times 0.1 = 0.034 \text{cum.}$ Total=0.476cum. For four such frames $= 0.476 \times 4 = 1.904 \text{ cum.}$ laggings-$75 \times 3.6 \times 0.125 \times 0.075 = 2.531 \text{cum.}$ Tie-$2 \times 3.6 \times 0.225 \times 0.038 = 0.062 \text{cum.}$ Brace-$3 \times 2 \times 2.14 \times 0.225 \times 0.038 = 0.110$ Brace-$3 \times 4 \times 3.8 \times 0.225 \times 0.038 = 0.390$ Sleepers-$4 \times 3.6 \times 0.20 \times 0.15 = 0.432$ Sleepers-$2 \times 4 \times 3.6 \times 0.175 \times 0.075 = 0.378$ Vertical post-$4 \times 4 \times 3.6 \times 0.15 \times 0.15 = 1.296$ Total $= 7.103 \text{cum. or } 7103 \text{ cudm}$ Qty taken 1/8th of qty for cost using once $= 7.103/8 = \text{cum} = 887.9 \text{ Cudm}$ Second class kail wood in scantling Carriage of Timber Fittings: 3 way straps $50 \text{mm} \times 10 \text{mm} = 32 \text{ Nos.}$ 32 no. @ 0.50cm each = 16m Straps-$50 \text{mm} \times 10 \text{mm} = 8 \text{ Nos. @ } 0.25 \text{cm}$ each = 2m Total = 18m 18m, wt @ $3.9 \text{kg/m} = 70.2 \text{ kg.} = 0.702 \text{q}$ Qty taken 1/8th of qty for cost using once $= 0.702/8 = 0.08775$</p>	10 cudm cum	88.79 0.8879	260.00 118.59	23085.40 105.30
1225	<p>Mild steel flat strap fitting Bolts 160 Nos. 254 mm long 16mm dia.- $160 \times 254 \times 1.58 = 64.21 \text{ kg} = 0.64 \text{q.}$ Qty taken 1/8th of qty for cost using once $= 0.64/8 = 0.08$</p>	quintal	0.0878	4120.00	361.74
1034 2302	<p>Bolts and nuts upto 300 mm in length Carriage of G.I.sheet and accessories Qty taken 1/8th of qty for cost using once $= 0.1342/8 = 0.01677 \text{ t say } 0.0168 \text{ t}$</p>	quintal tonne	0.08 0.0168	4800.00 92.24	384.00 1.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
	Carpenter 2nd class	day	28.00	679.00	19012.00
0114	Beldar	day	24.00	558.00	13392.00
9999	Sundries	L.S.	134.55	2.00	269.10
	Less Cost of shuttering etc. for an arch exceeding 6 m span i.e. for an average of 8 m span				
5.9.9	Rate as per item no 5.9.9 of SH : RCC	sqm	-33.31	1713.20	-57066.69 A
	TOTAL				-455.61 W
	Add 1 % Water charges on "W-A"				566.11
	TOTAL				110.50 X
	Add GST on "X-A" (multiplying factor 0.1405)				8033.40
	TOTAL				8143.90 Y
	Add 15% CPOH on "Y-A"				9781.59
	TOTAL				17925.48 Z
	Add Cess @ 1% on "Z-A"				749.92
	Cost of 33.31sqm.				18675.41
	Cost per sqm of soffit area				560.65
	Say				560.65

5.9.11 Chimneys and shafts

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details for 7.9m long and 1.00m high wall				
	Area of contact $2 \times 7.9 \times 1.0 = 15.8$ sqm.				
	MATERIAL				
	Adding for maintenance @ 10% of cost				
	Taking salvage value after full use of material @ 25% of cost				
7319	Wall form panel 1250x500 mm	each	0.51	860.00	438.60
	$2 \times 3 \times 2 \times 2 = 24$ Nos. Qty taken for cost of using once = $24 \times 0.85 / 40 = 0.51$				
7327	100 mm channel shoulder 2.5 m long	each	0.17	910.00	154.70
	$4 \times 2 = 8$				
	Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$				
7328	Double clip (bridge clip)	each	0.51	76.00	38.76
	$2 \times 6 \times 2 = 24$				
	Qty taken for cost of using once = $24 \times 0.85 / 40 = 0.51$				
7329	Single clip	each	0.255	59.00	15.05
	$2 \times 3 \times 2 = 12$				
	Qty taken for cost of using once = $12 \times 0.85 / 40 = 0.255$				
7330	M.S. tube 40 mm dia	metre	0.68	215.00	146.20
	$2 \times 2 \times 8 \text{m} = 32 \text{m}$				
	Qty taken for cost of using once = $32 \times 0.85 / 40 = 0.68$				
9999	Nut & Bolts	L.S.	27.63	2.00	55.26
	Qty taken for cost of using once = $1300 \times 0.85 / 40 = 27.63$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage	L.S.	78.00	2.00	156.00
	LABOUR				
0116	Fitter (grade 1)	day	3.50	738.00	2583.00
0114	Beldar	day	6.00	558.00	3348.00
9999	Shuttering oil	L.S.	78.00	2.00	156.00
9999	Sundries	L.S.	52.00	2.00	104.00
	TOTAL				7195.57 W
	Add 1 % Water charges on "W"				71.96
	TOTAL				7267.52 X
	Add GST on "X" (multiplying factor 0.1405)				1021.09
	TOTAL				8288.61 Y
	Add 15% CPOH on "Y"				1243.29
	TOTAL				9531.90 Z
	Add Cess @ 1% on "Z"				95.32
	Cost for 15.8 sqm.				9627.22
	Cost per sqm.				609.32
	Say				609.30

5.9.12 Well steining

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost 26.39 sqm. Surface area Outside area = 26.39 sqm MATERIAL Assuming that the timber will become unserviceable after being used 8 times Planks 38 mm (Second class kail wood) $26.39 \times 0.038 = 1.00 \text{ cum.}$ Wastage 20% = 0.20 cum. Total = 1.20 cum. or 1200 cudm. Qty for cost using once = $1200/8 = 150 \text{ cudm}$				
1198	Second class kail wood in planks 2nd class kail wood battens Inside = $2 \times 25 \times 0.50 \times 0.075 \times 0.038 = 0.0712 \text{ cum.}$ Outside = $2 \times 28 \times 0.50 \times 0.075 \times 0.038 = 0.0798 \text{ cum.}$ Total = 0.1510 cum. Wastage 5% = 0.0076 cum. Total = 0.1586 cum = 158.60 cudm Qty for cost using once = $0.1586/8 = 0.0198 \text{ cudm}$	10 cudm	15.00	260.00	3900.00
1197	Second class kail wood in scantling	10 cudm	0.00198	260.00	0.51
0302	Safeda ballies 125 mm diameter Inside: $25 \times 1.00 = 25.00 \text{ m}$ Outside: $28 \times 1.00 = 28.00 \text{ m}$ Total = 53.00 m Qty for cost using once = $53/8 = 6.625 \text{ m}$	metre	6.625	40.00	265.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	TOTAL				4165.51
	Add for carriage, labour for erection and dismantling etc @ 1/6 (16.667%) of cost of material				694.27
	TOTAL				4859.78 W
	Add 1 % Water charges on "W"				48.60
	TOTAL				4908.38 X
	Add GST on "X" (multiplying factor 0.1405)				689.63
	TOTAL				5598.01 Y
	Add 15% CPOH on "Y"				839.70
	TOTAL				6437.71 Z
	Add Cess @ 1% on "Z"				64.38
	Cost for 26.39sqm.				6502.08
	Cost per sqm.				246.38
	Say				246.40

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for 23.90 sqm Details of cost for fins 4 vertical fins 4 metre high and at 1 metre centres, with two horizontal fins all projecting 60cm from face of wall and 5 cm thick. i.e. $(4 \times 4 \times 1.25) + (2 \times 3 \times 0.65) = 23.90 \text{sqm} + 5\% \text{ wastage} = 25.10 \text{ sqm.}$ MATERIAL Second class kail wood in planks 38mm thick- $4 \times 4 \times 1.25 = 20.00$ $2 \times 3 \times 0.65 = 3.90$ Total = 23.90 Wastage @ 5% = 1.20 Total = 25.10sqm. $25.10 \times 0.038 = .954 \text{ cum}$ or 954 cudm Qty for cost using once = $954/8 = 119.25 \text{ cudm}$	10 cudm	11.925	260.00	3100.50
1197	Second class kail wood in scantling $4 \times 2 \times 5 \times 0.60 \times 0.075 \times 0.050 = 0.090$ $3 \times 2 \times 5 \times 1.00 \times 0.075 \times 0.050 = 0.112$ $2 \times 6 \times 0.60 \times 0.075 \times 0.100 = 0.054 = 0.256 \text{ Cum.}$ Wastage @ 5% = 0.013 cum Total = 0.269 cum = 269 cudm Qty for cost using once = $269/8 = 33.625 \text{ cudm}$	10 cudm	3.3625	260.00	874.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0302	Safeda ballies 125 mm diameter 2x2x6x4.00 =96m Wastage @5% = 4.8m Total= 100.8 m Qty for cost using once = 100.8/8 = 12.6 m	metre	12.60	40.00	504.00
2204	Carriage of Timber Planks = 0.954 Battens = 0.269 Bailies 100.8x(0.125) ² /4x3.142= 1.238cum. Total = 2.461 cum Qty for cost using once = 2.461/8 = 0.3076 cum LABOUR For assembling, erection, dismantling and cleaning	cum	0.3076	118.59	36.48
0112	Carpenter 2nd class	day	11.00	679.00	7469.00
0114	Beldar	day	11.00	558.00	6138.00
9999	Sundries	L.S.	80.73	2.00	161.46
	TOTAL				18283.69 W
	Add 1 % Water charges on "W"				182.84
	TOTAL				18466.53 X
	Add GST on "X" (multiplying factor 0.1405)				2594.55
	TOTAL				21061.07 Y
	Add 15% CPOH on "Y"				3159.16
	TOTAL				24220.23 Z
	Add Cess @ 1% on "Z"				242.20
	Cost for 23.90 sqm.				24462.44
	Cost per sqm.				1023.53
	Say				1023.55

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for footing size 2.7mx2.7mx1.00m Contact area = 10.8 sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost				
7319	Wall form panel 1250x500 mm Qty taken for cost of using once = 16x0.85/40 = 0.34	each	0.34	860.00	292.40
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once = 4x0.85/40 = 0.085	each	0.085	240.00	20.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	910.00	154.70
7328	Double clip (bridge clip) Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	76.00	25.84
7329	Single clip Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	59.00	10.03
7330	M.S. tube 40 mm dia $4 \times 2.7 \text{m} = 10.8 \text{m}$ Qty taken for cost of using once = $10.8 \times 0.85 / 40 = 0.2295$	metre	0.2295	215.00	49.34
9999	Assembly nuts & bolts Qty taken for cost of using once = $1040 \times 0.85 / 40 = 22.10$	L.S.	22.10	2.00	44.20
9977	Carriage LABOUR	L.S.	78.00	2.00	156.00
0116	Fitter (grade 1)	day	0.75	738.00	553.50
0114	Beldar	day	1.50	558.00	837.00
9999	Shuttering oil	L.S.	52.00	2.00	104.00
9999	Sundries	L.S.	26.00	2.00	52.00
	TOTAL				2299.41 W
	Add 1 % Water charges on "W"				22.99
	TOTAL				2322.41 X
	Add GST on "X" (multiplying factor 0.1405)				326.30
	TOTAL				2648.70 Y
	Add 15% CPOH on "Y"				397.31
	TOTAL				3046.01 Z
	Add Cess @ 1% on "Z"				30.46
	Cost for 10.8 sqm.				3076.47
	Cost per sqm.				284.86
	Say				284.85

5.9.16 Edges of slabs and breaks in floors and walls

5.9.16.1 Under 20 cm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a 3mx3m slab 15cms thick 12m edge Length MATERIAL Assuming that the timber will become unserviceable after being used 8 times. Second class kail wood in planks (i) Planks 30mm thick (2nd class Kail wood or equivalent local soft wood) $4 \times 3 \times 0.15 \times 0.030 = 0.054 \text{cum}$ Wastage @5% = 0.003 cum. Total = 0.057 cum 57 cudm Qty taken for cost of using once = $57/8 = 7.125 \text{ cudm}$	10 cudm	0.7125	260.00	185.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Second class kail wood in scantling (ii) Battens 75mmx100mm (2nd class Kail wood) Horizontal $2 \times 4 \times 0.075 \times 0.1 \times 0.5 = 0.030$ Horizontal $2 \times 4 \times 0.075 \times 0.1 \times 1.5 = 0.090$ (iii) Vertical battens $16 \times 0.15 \times 0.075 \times 0.030 \text{m} = 0.0054$ (iv) Struts $16 \times 0.25 \times 0.075 \times 0.075 = 0.0225$ Total = 0.1479 Wastage @5% = 0.0074 Total = 0.1553 cum = 155 cudm Qty taken for cost ef using once = $155/8 = 19.375$ cudm	10 cudm	1.9375	260.00	503.75
2204	Carriage of Timber Planks = 0.057 cum. Battens = 0.155 cum. Total = 0.212 cum. Qty taken for cost of using once = $0.212/8 = 0.0265$ cum LABOUR For assembling erection dismantling & cleaning.	cum	0.0265	118.59	3.14
0112	Carpenter 2nd class	day	0.81	679.00	549.99
0114	Beldar	day	0.54	558.00	301.32
9999	Sundries	L.S.	5.20	2.00	10.40
	TOTAL				1553.85 W
	Add 1 % Water charges on "W"				15.54
	TOTAL				1569.39 X
	Add GST on "X" (multiplying factor 0.1405)				220.50
	TOTAL				1789.89 Y
	Add 15% CPOH on "Y"				268.48
	TOTAL				2058.37 Z
	Add Cess @ 1% on "Z"				20.58
	Cost of 12 metres				2078.96
	Cost of one meter				173.25
	Say				173.25

5.9.16.2 Above 20 cm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for 4mx4xslab 25cms thick 16 metre edge length Shuttering surface area = $16 \times 0.25 = 4$ sqm MATERIAL Second class kail wood in planks (i) Planks 38mm thick $4 \times 4 \times 0.25 \times 0.038 = 0.152$ Wastage @ 5% = 0.008 Total = 0.160 cum. = 160 cudm Qty taken for cost of using once = $160/8 = 20$ cudm	10 cudm	2.00	260.00	520.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Second class kail wood in scantling (ii) Battens 6x2x0.6x0.075x0.100=0.054 5x2x1.5x0.075x0.100=0.113 Total = 0.167 Wastage @ 5% = 0.008 Total= 0.175 cum. = 175 cudm Qty taken for cost of using once = 175/8 = 21.88 cudm	10 cudm	2.188	260.00	568.88
2204	Carriage of Timber Planks = 0.16 cum. Battens = 0.175 cum. Total = 0.335 cum. Qty taken for cost of using once = 0.335/8 = 0.0419 cum LABOUR For assembling erection dismantling & cleaning.	cum	0.0419	118.59	4.97
0112	Carpenter 2nd class	day	1.00	679.00	679.00
0114	Beldar	day	0.75	558.00	418.50
9999	Sundries	L.S.	6.50	2.00	13.00
	TOTAL				2204.35 W
	Add 1 % Water charges on "W"				22.04
	TOTAL				2226.39 X
	Add GST on "X" (multiplying factor 0.1405)				312.81
	TOTAL				2539.20 Y
	Add 15% CPOH on "Y"				380.88
	TOTAL				2920.08 Z
	Add Cess @ 1% on "Z"				29.20
	Cost of 4 sqm.				2949.28
	Cost of 1 sqm.				737.32
	Say				737.30

5.9.17 Cornices and mouldings

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for 10m long moulding 10cm projection, 20cm depth and 40cm girth Area in contact 10x0.4 = 4.0 sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times. Second class kail wood in planks (I) Planking 30mm thick = 4sqm. Extra & Wastage 20% = 0.8 sqm. Total = 4.8 sqm. 4.8x0.038 = 0.182 cum = 182 cudm Qty taken for cost using once = 182/8 = 22.75 cudm	10 cudm	2.275	260.00	591.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Second class kail wood in scantling (ii) Battens-Joining to Planking $1 \times 10 \times 0.1 \times 0.075 = 0.075$ cum. From bottom shuttering $10 \times 1.5 \times 0.1 \times 0.075 = 0.113$ cum. Wales $10 \times 0.4 \times 0.1 \times 0.075 = 0.030$ cum. Total = 0.218 cum = 218 cudm Qty taken for cost using once = $218/8 = 27.25$ cudm	10 cudm	2.725	260.00	708.50
2447	Hollock ballies 125 mm diameter (iii) Ballies 125 mm dia. Slant $10 \times 0.3 = 3$ m ver. $6 \times 3.5 = 21.0$ m Total = 24.0 m Wastage @ 5% = 1.2 m Total = 25.2 m Qty taken for cost using once = $25.2/8 = 3.15$ m	metre	3.15	35.00	110.25
2204	Carriage of Timber Planking = 0.188 cum. Battens & Wales = 0.218 cum. Ballies $25.2 \times 22/7 \times (0.125)^2/4 = 0.310$ cum. Total = 0.710 cum. Qty taken for cost using once = $0.71/8 = 0.0888$ cum LABOUR Labour for assembling, erection, dismantling & cleaning	cum	0.0888	118.59	10.53
0112	Carpenter 2nd class	day	0.63	679.00	427.77
0114	Beldar	day	0.63	558.00	351.54
9999	Sundries	L.S.	6.50	2.00	13.00
	TOTAL				2213.09 W
	Add 1 % Water charges on "W"				22.13
	TOTAL				2235.22 X
	Add GST on "X" (multiplying factor 0.1405)				314.05
	TOTAL				2549.27 Y
	Add 15% CPOH on "Y"				382.39
	TOTAL				2931.66 Z
	Add Cess @ 1% on "Z"				29.32
	Cost of 4 sqm.				2960.98
	Cost of 1 sqm.				740.24
	Say				740.25

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a bracket 1.20m projected Front area 0.50×0.60 m				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>End area 0.50x0.75m Area in contact with concrete $2 \times \{(0.60+0.75)/2 \times 1.2\} = 1.62 \text{ sqm.}$ Front 0.5x0.6 = 0.30 sqm. Bottom 0.5x1.21 = 0.605 sqm. Total = 2.525 sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times. Second class kail wood in planks Timber IInd class kail wood or equivalent local soft wood (I) Plank 30mm thick. Sides $2 \times \{(0.60+0.75)/2 \times 1.238\} = 1.6713 \text{ sqm}$ Battens $0.576 \times 1.21 = 0.697$ Front $0.5 \times 0.638 = 0.319$ Total = 2.687 sqm. Cubical contents $2.687 \times 0.038 = 0.102 \text{ cum.}$ Wastage @ 5% = 0.005 cum. Total = 0.107 cum. Qty taken for cost using once = $107/8 = 13.375 \text{ cudm}$</p>	10 cudm	1.3375	260.00	347.75
1197	<p>Second class kail wood in scantling (ii) Battens-0.05x0.05 $2 \times 1.238 = 2.476 \text{ m}$ $2 \times 1.21 = 2.42 \text{ m}$ $2 \times 0.688 = 1.376 \text{ m}$ $2 \times 0.838 = 1.676 \text{ m}$ $3 \times 0.5 = 1.50 \text{ m}$ Total = 9.448m Cubical contents $9.448 \times 0.05 \times 0.05 = 0.024 \text{ cum.}$ Wastage 5% = 0.0012 cum. Total = 0.0252 cum = 25.2 cudm Qty taken for cost using once = $25.2/8 = 3.15 \text{ cudm}$</p>	10 cudm	0.315	260.00	81.90
2447	<p>Hollock ballies 125 mm diameter (iii) Ballies 125mm dia. $1 \times 2.5 = 2.50 \text{ m}$ $1 \times 2.65 = 2.65 \text{ m}$ Total = 5.15 m Wastage 5% = 0.26m Total = 5.41 m Qty taken for cost using once = $5.41/8 = 0.6763 \text{ m}$</p>	metre	0.6763	35.00	23.67
2204	<p>Carriage of Timber Planks = 0.107 cum. Battens = 0.0252 cum. Ballies $5.41 \times 22/7 \times (0.125^2/4) = 0.066 \text{ cum.}$ Total = 0.198 cum Qty taken for cost using once = $0.198/8 = 0.0248 \text{ cudm}$</p>	cum	0.0248	118.59	2.94

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Labour for assembling, erection, dismantling & cleaning				
	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	0.80	558.00	446.40
9999	Sundries	L.S.	7.15	2.00	14.30
	TOTAL				1460.16 W
	Add 1 % Water charges on "W"				14.60
	TOTAL				1474.76 X
	Add GST on "X" (multiplying factor 0.1405)				207.20
	TOTAL				1681.97 Y
	Add 15% CPOH on "Y"				252.30
	TOTAL				1934.26 Z
	Add Cess @ 1% on "Z"				19.34
	Cost of 2.525 sqm.				1953.61
	Cost of 1 sqm.				773.70
	Say				773.70

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for a weather shade Area of centring and shuttering = 0.954 sqm For a weather shade over a window of size 1.5mx1.2m Size of weather shade 1.80x0.45m Thickness at front = 0.05m Thickness at fixed edge = 0.07m Area in contact with concrete Bottom 1x0.45x1.80 = 0.810 1x0.05x1.80 = 0.090 2x0.45x0.06 = 0.054 Total = 0.954 sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times. Second class kail wood in planks (i) Planking 38mm thick. Bottom 1x1.876x0.488 = 0.915 sqm. 1x1.876x0.05 = 0.94 sqm. 2x0.45x0.06 = 0.027 sqm. Total = 1.036 sqm. Add 5% wastage = 0.052 sqm. Total = 1.088 sqm. Cubic contains 1.088x0.038 = 0.041 cum = 41 cudm Qty taken for cost using once = 41/8 = 5.125 cudm</p>	10 cudm	0.5125	260.00	133.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Second class kail wood in scantling (ii) Battens- $2 \times 0.60 \times 0.075 \times 0.10 = 0.009$ Ends with bearing center $1 \times 0.45 \times 0.075 \times 0.10 = 0.003$ Total = 0.012 cum = 12 cudm Qty taken for cost using once = $12/8 = 1.50$ cudm	10 cudm	0.15	260.00	39.00
2447	Hollock ballies 125 mm diameter (iii) Ballies 125mm dia. $2 \times 2.1 = 4.2$ m Wastage 5% = 0.21m Total = 4.41 m Qty taken for cost using once = $4.41/8 = 0.5513$ m	metre	0.5513	35.00	19.30
2204	Carriage: Carriage of Timber Plank = 0.041 cum. Battens = 0.012 cum. Ballies $4.41 \times 22/7 \times (0.125)^2/4 = 0.054$ cum. Total = 0.107 cum Qty taken for cost using once = $0.107/8 = 0.01338$ cum	cum	0.01338	118.59	1.59
0112	LABOUR Labour for assembling, erection, dismantling & cleaning Carpenter 2nd class	day	0.30	679.00	203.70
0114	Beldar	day	0.25	558.00	139.50
9999	Sundries	L.S.	5.20	2.00	10.40
	TOTAL				546.73 W
	Add 1 % Water charges on "W"				5.47
	TOTAL				552.20 X
	Add GST on "X" (multiplying factor 0.1405)				77.58
	TOTAL				629.78 Y
	Add 15% CPOH on "Y"				94.47
	TOTAL				724.25 Z
	Add Cess @ 1% on "Z"				7.24
	Cost for 0.954 sqm.				731.49
	Cost of 1 sqm.				766.76
	Say				766.75

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for a room $4.50 \times 3 = 13.50$ sqm, height 3.5 m MATERIAL Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	Rate as per Item No.10.1 of SH:Steel Work Plates (size 0.75 x 0.60) Angle 40x40x5mm 2x0.75 = 1.50 m 2x0.60 = 1.20 m = 2.70 m @ 3.00 kg/m = 8.1 kg Weight of one plate = 8.10kg Add for wastage @ 5% = 0.41 kg Total = 8.51kg Total weight of all plates = 5x6x8.51 = 255.30 kg. Qty taken for cost using once.= 255.30x0.85/40 = 5.425 kg Welding length = (30x32)/40=24 cm	kg	5.425	86.05	466.82 A
1215	Welding by electric plant	cm	24.00	2.00	48.00
8659	Water proof ply 12mm thick. 1x4.50x3.00=13.50sqm Add wastage @ 5% =0.68sqm Total 14.18sqm Qty taken for cost using once 14.18/8 = 1.77sqm	sqm	1.77	517.00	915.09
0112	Carpenter 2nd class	day	0.125	679.00	84.88
0114	Beldar	day	0.125	558.00	69.75
1034	Bolts and nuts upto 300 mm in length	quintal	0.0021	4800.00	10.08
7342	Adjustable span ESO+SI (2.35-3.40) Qty taken for cost using once = 5x0.85/40 = 0.10625	each	0.1063	1480.00	157.32
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once = 6x0.85/40 = 0.1275	each	0.1275	955.00	121.76
9999	Assembly nut & bolts etc.	L.S.	12.63	2.00	25.26
9977	Carriage LABOUR	L.S.	130.00	2.00	260.00
0116	Fitter (grade 1)	day	3.00	738.00	2214.00
0114	Beldar	day	6.00	558.00	3348.00
9999	Shuttering oil	L.S.	78.00	2.00	156.00
9999	Sundries	L.S.	52.00	2.00	104.00
	TOTAL				7980.96 W
	Add 1 % Water charges on "W-A"				75.14
	TOTAL				8056.10 X
	Add GST on "X-A" (multiplying factor 0.1405)				1066.29
	TOTAL				9122.40 Y
	Add 15% CPOH on "Y-A"				1298.34
	TOTAL				10420.73 Z
	Add Cess @ 1% on "Z-A"				99.54
	Cost for 13.50 sqm.				10520.27
	Cost per sqm.				779.28
	Say				779.30

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	<p>Details of cost for a beam of 6 m clear span, 0.50 m deep 0.30 m wide and height 3.5 m from floor</p> <p>Cubical contents $6.60 \times 0.5 \times 0.3 = 0.99 \text{ cum}$ $1 \times 1.30 \times 6.00 = 7.80 \text{ sqm}$</p> <p>MATERIAL</p> <p>Assuming shuttering will become unserviceable after use of 8 times Add maintenance charges @ 10% of cost of material Less salvage value of material after full use @ 25% of cost of material Rate as per Item No.10.1 of SH:Steel Work</p> <p>Steel plates for side and bottom (plate size 1.20 x 0.50m) Angle 40x40x5mm (both sides) & bottom $2 \times (2 \times 1.20) = 4.80 + (2 \times 1.2) = 7.20 \text{ m}$ $2 \times (3 \times 0.50) = 3.00 + (3 \times 0.30) = 3.9 \text{ m}$ 11.10 m @ 3.00 kg/m = 33.30 kg Weight of one plate = 11.70 kg. Add for wastage = 1.67kg. Total = 34.97 kg. Total weight of all plates $5 \times 34.97 = 174.85 \text{ kg}$ Qty taken for cost of using once = $174.85 \times 0.85 / 40 = 3.72 \text{ kg}$ Welding length $480 / 40 = 12 \text{ cm}$</p>	kg	3.72	86.05	320.11 A
1215	Welding by electric plant	cm	12.00	2.00	24.00
8659	<p>Water proof ply 12mm thick. $1 \times 1.30 \times 6.00 = 7.80 \text{ sqm}$ Add 5% wastage = 0.39 sqm Total = 8.19 sqm Qty taken for cost of using once $8.19 / 8 \text{ sqm} = 1.02 \text{ sqm}$</p>	sqm	1.02	517.00	527.34
0112	Carpenter 2nd class	day	0.125	679.00	84.88
0114	Beldar	day	0.125	558.00	69.75
1034	Bolts and nuts upto 300 mm in length	quintal	0.0021	4800.00	10.08
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	0.1275	955.00	121.76
7344	<p>Qty taken for cost of using once = $6 \times 0.85 / 40 = 0.1275 \text{ m}$ Beam clamp 300-380 mm (450-1070 mm) Qty taken for cost of using once = $5 \times 0.85 / 40 = 0.1063 \text{ m}$</p>	each set	0.1063	355.00	37.74
9999	Assembly nut & bolts etc.	L.S.	11.05	2.00	22.10
9977	Carriage	L.S.	78.00	2.00	156.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0116	LABOUR				
	Fitter (grade 1)	day	1.25	738.00	922.50
0114	Beldar	day	2.50	558.00	1395.00
9999	Shuttering oil	L.S.	39.00	2.00	78.00
9999	Sundries, paper tape etc.	L.S.	26.00	2.00	52.00
	TOTAL				3821.25 W
	Add 1 % Water charges on "W-A"				35.01
	TOTAL				3856.26 X
	Add GST on "X-A" (multiplying factor 0.1405)				496.83
	TOTAL				4353.09 Y
	Add 15% CPOH on "Y-A"				604.95
	TOTAL				4958.04 Z
	Add Cess @ 1% on "Z-A"				46.38
	Cost for 7.80 sqm.				5004.42
	Cost per sqm.				641.59
	Say				641.60

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

5.10.1 12 mm dia. & 100 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for wall length 7.90mx1m (24 set)				
	MATERIAL				
7320	Tie bolt 12 mm dia 100 mm length	each	24.00	38.00	912.00
7324	Spring coil 12 mm	each	48.00	15.00	720.00
7325	Plastic cone 12 mm dia	each	48.00	17.00	816.00
9977	Carriage:	L.S.	13.00	2.00	26.00
	LABOUR				
9999	Sundries	L.S.	26.00	2.00	52.00
	TOTAL				2526.00 W
	Add 1 % Water charges on "W"				25.26
	TOTAL				2551.26 X
	Add GST on "X" (multiplying factor 0.1405)				358.45
	TOTAL				2909.71 Y
	Add 15% CPOH on "Y"				436.46
	TOTAL				3346.17 Z
	Add Cess @ 1% on "Z"				33.46
	Cost for 24 sets				3379.63
	Cost of 1 each set				140.82
	Say				140.80

5.10.2 12 mm dia. & 150 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for wall length 7.90mx1m (24 set)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7321	MATERIAL Tie bolt 12 mm dia 150 mm length	each	24.00	48.00	1152.00
7324	Spring coil 12 mm	each	48.00	15.00	720.00
7325	Plastic cone 12 mm dia	each	48.00	17.00	816.00
9977	Carriage: LABOUR	L.S.	13.00	2.00	26.00
9999	Sundries	L.S.	26.00	2.00	52.00
	TOTAL				2766.00 W
	Add 1 % Water charges on "W"				27.66
	TOTAL				2793.66 X
	Add GST on "X" (multiplying factor 0.1405)				392.51
	TOTAL				3186.17 Y
	Add 15% CPOH on "Y"				477.93
	TOTAL				3664.09 Z
	Add Cess @ 1% on "Z"				36.64
	Cost for 24 sets				3700.74
	Cost of 1 each set				154.20
	Say				154.20

5.10.3 20 mm dia. & 150 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for wall length 7.90mx1m (24 set)				
	MATERIAL				
7322	Tie bolt 20 mm dia 150 mm length	each	24.00	57.00	1368.00
7324	Spring coil 12 mm	each	48.00	15.00	720.00
7325	Plastic cone 12 mm dia	each	48.00	17.00	816.00
9977	Carriage: LABOUR	L.S.	13.00	2.00	26.00
9999	Sundries	L.S.	26.00	2.00	52.00
	TOTAL				2982.00 W
	Add 1 % Water charges on "W"				29.82
	TOTAL				3011.82 X
	Add GST on "X" (multiplying factor 0.1405)				423.16
	TOTAL				3434.98 Y
	Add 15% CPOH on "Y"				515.25
	TOTAL				3950.23 Z
	Add Cess @ 1% on "Z"				39.50
	Cost for 24 sets				3989.73
	Cost of 1 each set				166.24
	Say				166.25

5.10.4 20 mm dia.& 225 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for wall length 7.90mx1m (24 set)				
	MATERIAL				
7323	Tie bolt 20 mm dia 225 mm length	each	24.00	67.00	1608.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7324	Spring coil 12 mm	each	48.00	15.00	720.00
7325	Plastic cone 12 mm dia	each	48.00	17.00	816.00
9977	Carriage:	L.S.	13.00	2.00	26.00
	LABOUR				
9999	Sundries	L.S.	26.00	2.00	52.00
	TOTAL				3222.00 W
	Add 1 % Water charges on "W"				32.22
	TOTAL				3254.22 X
	Add GST on "X" (multiplying factor 0.1405)				457.22
	TOTAL				3711.44 Y
	Add 15% CPOH on "Y"				556.72
	TOTAL				4268.15 Z
	Add Cess @ 1% on "Z"				42.68
	Cost for 24 sets				4310.84
	Cost of 1 each set				179.62
	Say				179.60

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

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7346	Double coupler (40x40) Qty taken for cost using once = 21 x 0.85/40 = 0.4463	each	0.4463	46.00	20.53
9977	Carriage LABOUR	L.S.	65.00	2.00	130.00
0116	Fitter (grade 1)	day	3.00	738.00	2214.00
0114	Beldar	day	6.00	558.00	3348.00
9999	Sundries	L.S.	130.00	2.00	260.00
	TOTAL				6188.19 W
	Add 1 % Water charges on "W"				61.88
	TOTAL				6250.08 X
	Add GST on "X" (multiplying factor 0.1405)				878.14
	TOTAL				7128.21 Y
	Add 15% CPOH on "Y"				1069.23
	TOTAL				8197.44 Z
	Add Cess @ 1% on "Z"				81.97
	Cost for 28.8 sqm.				8279.42
	Cost per sqm.				287.48
	Say				287.50

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.5.1	Details of cost for 1 cum. MATERIAL Cement concrete 1:1½:3 in string or lacing course etc Rate as per Item No.4.5.1 of SH:CONCRETE WORK (NB : Rate has been taken including cost of fixing in CM 1:2 as precast members are to be fixed in CM 1:2)(1 cement : 2 coarse sand) as per CPWD specifications) LABOUR Extra labour for laying CC in RCC work	cum	1.00	8537.75	8537.75 A
0114	Beldar	day	0.10	558.00	55.80
0101	Bhisti	day	0.20	617.00	123.40
0123	Mason (brick layer) 1st class	day	0.04	738.00	29.52
0124	Mason (brick layer) 2nd class	day	0.04	679.00	27.16

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Mate	day	0.04	617.00	24.68
	TOTAL				8798.31 W
	Add 1 % Water charges on "W-A"				2.61
	TOTAL				8800.92 X
	Add GST on "X-A" (multiplying factor 0.1405)				36.97
	TOTAL				8837.89 Y
	Add 15% CPOH on "Y-A"				45.02
	TOTAL				8882.91 Z
	Add Cess @ 1% on "Z-A"				3.45
	Cost for 1 cum.				8886.36
	Say				8886.35

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a lintel : Qty = 0.054 cum MATERIAL 1.5m clear span = 1.8x0.20x0.15 = 0.054 cum. Cement Concrete 1:1½:3 Rate as per Item No.4.2.2 of SH: Concrete Work	cum	0.054	8976.45	484.73 A
4.2.2	Centring and shuttering Rate as per item no. 4.3.1 of SH: Concrete work	sqm	0.60	284.85	170.91 A
	LABOUR				
0114	Beldar	day	0.005	558.00	2.79
0101	Bhisti	day	0.01	617.00	6.17
0123	Mason (brick layer) 1st class	day	0.002	738.00	1.48
0124	Mason (brick layer) 2nd class	day	0.002	679.00	1.36
0128	Mate	day	0.002	617.00	1.23
	TOTAL				668.67 W
	Add 1 % Water charges on "W-A"				0.13
	TOTAL				668.80 X
	Add GST on "X-A" (multiplying factor 0.1405)				1.85
	TOTAL				670.65 Y
	Add 15% CPOH on "Y-A"				2.25
	TOTAL				672.90 Z
	Add Cess @ 1% on "Z-A"				0.17
	Cost for 0.054 cum.				673.07
	Cost per cum				12464.24
	Say				12464.25

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 1mx0.20x0.15= 0.03 cum MATERIAL Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.03	7210.55	216.32 A
0115	Extra labour for lifting 0.45 x 0.03 x 2.5 = 0.034 Coolie	day	0.034	558.00	18.97
9999	Mortar and labour for hoisting and for fixing	L.S.	2.73	2.00	5.46
4.3.1	Centring and shuttering Rate as per Item No.4.3.1 of SH: Concrete Work	sqm	0.36	284.85	102.55 A
9999	Add for extra labour for hoisting 53.82x0.03 = 1.61 LABOUR	L.S.	1.61	2.00	3.22
0123	Add Extra labour for moulding : Mason (brick layer) 1st class 0.58x0.03	day	0.0174	738.00	12.84
0124	Mason (brick layer) 2nd class 0.58x0.03	day	0.0174	679.00	11.81
0115	Coolie 1.5x0.03	day	0.045	558.00	25.11
0101	Bhisti 0.06x0.03	day	0.0018	617.00	1.11
0114	Extra labour for laying CC in RCC Beldar 0.1x0.03	day	0.003	558.00	1.67
0101	Bhisti 0.2x0.03	day	0.006	617.00	3.70
0123	Mason (brick layer) 1st class 0.04x0.03	day	0.0012	738.00	0.89
0124	Mason (brick layer) 2nd class 0.04x0.03	day	0.0012	679.00	0.81
0128	Mate 0.04x0.03	day	0.0012	617.00	0.74
	TOTAL				405.21 W
	Add 1 % Water charges on "W-A"				0.86
	TOTAL				406.07 X
	Add GST on "X-A" (multiplying factor 0.1405)				12.25
	TOTAL				418.32 Y
	Add 15% CPOH on "Y-A"				14.92
	TOTAL				433.24 Z
	Add Cess @ 1% on "Z-A"				1.14
	Cost for 0.03 cum				434.39
	Cost for 1 cum.				14479.57
	Say				14479.55

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beam 6.60m long 0.50m deep and 0.30m wide = 6.60x0.50x0.30 = 0.99 cum. MATERIAL				
4.1.2	Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.99	7210.55	7138.44 A
4.3.1	Centring and shuttering Rate same as per item no. 4.3.1 of SH: Concrete work	sqm	6.90	284.85	1965.47 A
	Extra labour for lifting material upto floor V level				
0115	Coolie LABOUR	day	1.11	558.00	619.38
	Extra labour for laying cement concrete in RCC work				
0114	Beldar	day	0.099	558.00	55.24
0101	0.10x0.99 Bhisti	day	0.198	617.00	122.17
0123	0.20x0.99 Mason (brick layer) 1st class	day	0.0396	738.00	29.22
0124	0.04x0.99 Mason (brick layer) 2nd class	day	0.0396	679.00	26.89
0128	0.04x0.99 Mate	day	0.0396	617.00	24.43
9999	Cement mortar 1:3 for fixing	L.S.	89.70	2.00	179.40
9999	Labour for hoisting, Transporting and setting in position	L.S.	269.10	2.00	538.20
	TOTAL				10698.84 W
	Add 1 % Water charges on "W-A"				15.95
	TOTAL				10714.79 X
	Add GST on "X-A" (multiplying factor 0.1405)				226.33
	TOTAL				10941.12 Y
	Add 15% CPOH on "Y-A"				275.58
	TOTAL				11216.70 Z
	Add Cess @ 1% on "Z-A"				21.13
	Cost for 0.99 cum				11237.83
	Cost for 1 cum.				11351.35
	Say				11351.35

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for on shelf 0.90x0.45x0.04m thick = 0.90x0.45x0.04m = 0.0162 cum Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.0162	7210.55	116.81 A
13.18	Finishing Rate same as per item no. 13.18 of SH : Finishing	sqm	0.85	62.75	53.34 A
4.3.1	Centring and shuttering: Rate same as per item no. 4.3.1 of SH : concrete work 2x(0.90+0.45)x0.04 = 0.108 sqm Extra labour for lifting material upto floor V level	sqm	0.108	284.85	30.76 A
0115	Coolie LABOUR Extra labour for laying cement concrete in RCC work due to delay etc.	day	0.018	558.00	10.04
0114	Beldar	day	0.016	558.00	8.93
0101	Bhisti	day	0.0032	617.00	1.97
0123	Mason (brick layer) 1st class	day	0.0006	738.00	0.44
0124	Mason (brick layer) 2nd class	day	0.0006	679.00	0.41
0128	Mate	day	0.0006	617.00	0.37
9999	Cement mortar 1:3 for fixing	L.S.	4.42	2.00	8.84
9999	Labour for hoisting, Transporting and setting in position	L.S.	13.52	2.00	27.04
	TOTAL				258.96 W
	Add 1 % Water charges on "W-A"				0.58
	TOTAL				259.54 X
	Add GST on "X-A" (multiplying factor 0.1405)				8.24
	TOTAL				267.78 Y
	Add 15% CPOH on "Y-A"				10.03
	TOTAL				277.81 Z
	Add Cess @ 1% on "Z-A"				0.77
	Cost for 0.0162 cum				278.58
	Cost for 1 cum.				17196.00
	Say				17196.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 4 RCC vertical fins 4m high at 1m centre to centre with two horizontal fins, all projecting 60cm from face of wall and 5cm thick cubical contents = 0.66 cum. MATERIAL Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.66	7210.55	4758.96 A
4.3.1	Centering and shuttering Rate as per item no. 4.3.1 of SH: Concrete work	sqm	2.56	284.85	729.22 A
0115	Extra labour for lifting material upto floor V level Coolie LABOUR	day	0.75	558.00	418.50
0114	Extra labour for laying cement concrete in RCC work due to delay etc.				
0114	Beldar	day	0.066	558.00	36.83
0101	Bhisti	day	0.132	617.00	81.44
0123	Mason (brick layer) 1st class	day	0.0264	738.00	19.48
0124	Mason (brick layer) 2nd class	day	0.0264	679.00	17.93
0128	Mate	day	0.0264	617.00	16.29
9999	Cement mortar 1:3 for fixing	L.S.	17.94	2.00	35.88
9999	Labour for hoisting, Transporting and setting in position	L.S.	71.76	2.00	143.52
9999	Sundries	L.S.	17.94	2.00	35.88
	TOTAL				6293.93 W
	Add 1 % Water charges on "W-A"				8.06
	TOTAL				6301.99 X
	Add GST on "X-A" (multiplying factor 0.1405)				114.34
	TOTAL				6416.33 Y
	Add 15% CPOH on "Y-A"				139.22
	TOTAL				6555.55 Z
	Add Cess @ 1% on "Z-A"				10.67
	Cost for 0.66 cum				6566.22
	Cost for 1 cum.				9948.82
	Say				9948.80

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

5.18.1 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for jali 2.00mx 0.75m = 1.50 sqm.				
0768	Cement Concrete Jali 50 mm thick	sqm	1.50	400.00	600.00
9999	Mortar for fixing	L.S.	6.24	2.00	12.48
9988	Carriage and sundries	L.S.	6.20	2.00	12.40
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.30	738.00	221.40
0124	Mason (brick layer) 2nd class	day	0.30	679.00	203.70
0114	Beldar	day	1.08	558.00	602.64
	TOTAL				1652.62 W
	Add 1 % Water charges on "W"				16.53
	TOTAL				1669.15 X
	Add GST on "X" (multiplying factor 0.1405)				234.52
	TOTAL				1903.66 Y
	Add 15% CPOH on "Y"				285.55
	TOTAL				2189.21 Z
	Add Cess @ 1% on "Z"				21.89
	Cost of 1.50 sqm.				2211.10
	Cost of 1 sqm.				1474.07
	Say				1474.05

5.18.2 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.2mx0.60m = 0.72 sqm.				
0769	Cement Concrete Jali 40 mm thick	sqm	0.72	350.00	252.00
9999	Mortar for fixing	L.S.	3.64	2.00	7.28
9988	Carriage and sundries	L.S.	3.64	2.00	7.28
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.12	738.00	88.56
0124	Mason (brick layer) 2nd class	day	0.12	679.00	81.48
0114	Beldar	day	0.50	558.00	279.00
	TOTAL				715.60 W
	Add 1 % Water charges on "W"				7.16
	TOTAL				722.76 X
	Add GST on "X" (multiplying factor 0.1405)				101.55
	TOTAL				824.30 Y
	Add 15% CPOH on "Y"				123.65
	TOTAL				947.95 Z
	Add Cess @ 1% on "Z"				9.48
	Cost of 0.72 sqm.				957.43
	Cost of 1 sqm.				1329.76
	Say				1329.75

5.18.3 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for jali 0.75mx0.5m = 0.375 sqm				
0770	Cement Concrete Jali 25 mm thick	sqm	0.375	275.00	103.13
9999	Mortar for fixing	L.S.	1.82	2.00	3.64
9988	Carriage and sundries	L.S.	1.82	2.00	3.64
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.06	738.00	44.28
0124	Mason (brick layer) 2nd class	day	0.06	679.00	40.74
0114	Beldar	day	0.25	558.00	139.50
	TOTAL				334.93 W
	Add 1 % Water charges on "W"				3.35
	TOTAL				338.27 X
	Add GST on "X" (multiplying factor 0.1405)				47.53
	TOTAL				385.80 Y
	Add 15% CPOH on "Y"				57.87
	TOTAL				443.67 Z
	Add Cess @ 1% on "Z"				4.44
	Cost of 0.375 sqm.				448.11
	Cost of 1 sqm.				1194.96
	Say				1194.95

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 0.424 cum. Consider 2 R.S. Joist (150mmx80mm) 4.88m long placed 30cm apart centre to centre Overall dimensions of the beam 43cmx20cm-				
	MATERIAL				
	Concrete work- 4.93x0.43x0.20 = 0.424 cum for 1:1½:3 Cement Concrete (1 cement: 1½ coarse sand : 3 stone aggregate 20mm nominal size)				
4.1.2	Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.424	7210.55	3057.27 A
	Extra labour for laying C.C. in RCC work				
0114	Beldar	day	0.042	558.00	23.44
0101	Bhisti	day	0.085	617.00	52.45
0123	Mason (brick layer) 1st class	day	0.017	738.00	12.55
0124	Mason (brick layer) 2nd class	day	0.017	679.00	11.54
0128	Mate	day	0.017	617.00	10.49
	Form work- 4.93x0.83 girth = 4.09 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.9.5	Rate as per item 5.9.5 of				
9999	SH: Reinforced cement concrete work	sqm	4.09	552.05	2257.88 A
	Sundries and for lifting materials	L.S.	21.58	2.00	43.16
	TOTAL				5468.78 W
	Add 1 % Water charges on "W-A"				1.54
	TOTAL				5470.31 X
	Add GST on "X-A" (multiplying factor 0.1405)				21.80
	TOTAL				5492.11 Y
	Add 15% CPOH on "Y-A"				26.54
	TOTAL				5518.66 Z
	Add Cess @ 1% on "Z-A"				2.03
	Cost of 0.424 cum				5520.69
	Cost of 1 cum.				13020.50
	Say				13020.50

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for the grillage 3.50mx 3.50mx1.00m = 12.25 cum Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work Extra labour for laying C.C. in RCC work	cum	12.25	7210.55	88329.24 A
0114	Beldar	day	1.225	558.00	683.55
0101	Bhisti	day	2.45	617.00	1511.65
0123	Mason (brick layer) 1st class	day	0.49	738.00	361.62
0124	Mason (brick layer) 2nd class	day	0.49	679.00	332.71
0128	Mate	day	0.49	617.00	302.33
	Shuttering : 2(3.50+3.50)x1.00= 14.00 sqm				
5.9.5	Rate as per item 5.9.5 of				
	SH: Reinforced cement concrete work	sqm	14.00	552.05	7728.70 A
	TOTAL				99249.80 W
	Add 1 % Water charges on "W-A"				31.92
	TOTAL				99281.72 X
	Add GST on "X-A" (multiplying factor 0.1405)				452.94
	TOTAL				99734.66 Y
	Add 15% CPOH on "Y-A"				551.51
	TOTAL				100286.16 Z
	Add Cess @ 1% on "Z-A"				42.28
	Cost of 12.25 cum.				100328.45
	Cost of 1 cum.				8190.08
	Say				8190.10

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Deatail of cost for 10 sqm MATERIAL Expanded metal 20 mm x 60 mm and 1.6 mm thick = 10 sqm Wastage 5% = 0.5 sqm Total =10.50 sqm				
1015	Mild steel expanded metal 20x60 mm strands	sqm	10.50	280.00	2940.00
9977	Carriage of expended metal	L.S.	13.52	2.00	27.04
9999	Wire for tying	L.S.	13.52	2.00	27.04
	Cost of bending and placing in position				
0102	Blacksmith 1st class	day	0.25	738.00	184.50
0114	Beldar	day	0.25	558.00	139.50
	TOTAL				3318.08 W
	Add 1 % Water charges on "W"				33.18
	TOTAL				3351.26 X
	Add GST on "X" (multiplying factor 0.1405)				470.85
	TOTAL				3822.11 Y
	Add 15% CPOH on "Y"				573.32
	TOTAL				4395.43 Z
	Add Cess @ 1% on "Z"				43.95
	Cost of 10 sqm				4439.38
	Cost of 1 sqm.				443.94
	Say				443.95

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

5.22.1 Mild steel and Medium Tensile steel bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Mild steel bars = 1.00 q Wastage 5% = 0.05 q Total = 1.05 q				
1004	Average rate of Mild steel round bars for reinforcements	quintal	1.05	4500.00	4725.00
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	2.00	52.00
	LABOUR For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and binding wire	L.S.	26.91	2.00	53.82
	TOTAL				6136.51 W
	Add 1 % Water charges on "W"				61.37
	TOTAL				6197.87 X
	Add GST on "X" (multiplying factor 0.1405)				870.80
	TOTAL				7068.67 Y
	Add 15% CPOH on "Y"				1060.30
	TOTAL				8128.97 Z
	Add Cess @ 1% on "Z"				81.29
	Cost of one quintal				8210.26
	Cost of 1 Kg.				82.10
	Say				82.10

5.22.2 Hard drawn steel wire

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL				
	Hard drawn steel wire = 1.00 q				
	Wastage 5% = 0.05 q				
	Total = 1.05 q				
1224	Hard drawn steel wire	quintal	1.05	4800.00	5040.00
2205	Carriage of Steel 1.05q = 0.105 tonne	tonne	0.105	92.24	9.69
	LABOUR				
	For cutting and laying in position etc.-				
0102	Blacksmith 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				6399.51 W
	Add 1 % Water charges on "W"				64.00
	TOTAL				6463.50 X
	Add GST on "X" (multiplying factor 0.1405)				908.12
	TOTAL				7371.62 Y
	Add 15% CPOH on "Y"				1105.74
	TOTAL				8477.37 Z
	Add Cess @ 1% on "Z"				84.77
	Cost of one quintal				8562.14
	Cost of 1 Kg.				85.62
	Say				85.60

5.22.3 Cold twisted bars

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1005	Twisted steel / deformed bars	quintal	1.05	4600.00	4830.00
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	2.00	52.00
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries and binding wire	L.S.	26.91	2.00	53.82
	TOTAL				6241.51 W
	Add 1 % Water charges on "W"				62.42
	TOTAL				6303.92 X
	Add GST on "X" (multiplying factor 0.1405)				885.70
	TOTAL				7189.62 Y
	Add 15% CPOH on "Y"				1078.44
	TOTAL				8268.06 Z
	Add Cess @ 1% on "Z"				82.68
	Cost of one quintal				8350.74
	Cost of 1 Kg.				83.51
	Say				83.50

5.22.4 Hot rolled deformed bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal-				
	MATERIAL				
	Deformed twisted steel bars = 1.00 q				
	Wastage 5% = 0.05 q				
	Total = 1.05q				
1005	Twisted steel / deformed bars	quintal	1.05	4600.00	4830.00
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	2.00	52.00
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries and binding wire	L.S.	26.91	2.00	53.82
	TOTAL				6241.51 W
	Add 1 % Water charges on "W"				62.42
	TOTAL				6303.92 X
	Add GST on "X" (multiplying factor 0.1405)				885.70
	TOTAL				7189.62 Y
	Add 15% CPOH on "Y"				1078.44
	TOTAL				8268.06 Z
	Add Cess @ 1% on "Z"				82.68
	Cost of one quintal				8350.74
	Cost of 1 Kg.				83.51
	Say				83.50

5.22.5 Hard drawn steel wire fabric

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Hard drawn steel wire fabric 100kg , 7.75kg per sqm = 12.903 sqm. Add 5% wastage = 0.645 sqm. Total =13.548 sqm				
1021	Hard drawn steel wire fabric	sqm	13.548	430.00	5825.64
2205	Carriage 1.05q = 0.105 tonne	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	2.00	52.00
	LABOUR For cutting and laying in position.				
0103	Blacksmith 2nd class	day	0.20	679.00	135.80
0114	Beldar	day	1.50	558.00	837.00
9999	Sundries and binding wire	L.S.	13.52	2.00	27.04
	TOTAL				6887.17 W
	Add 1 % Water charges on "W"				68.87
	TOTAL				6956.04 X
	Add GST on "X" (multiplying factor 0.1405)				977.32
	TOTAL				7933.36 Y
	Add 15% CPOH on "Y"				1190.00
	TOTAL				9123.36 Z
	Add Cess @ 1% on "Z"				91.23
	Cost of one quintal				9214.60
	Cost of 1 Kg.				92.15
	Say				92.15

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q Wastage 5% = 0.05 q Total =1.05q				
1005	Twisted steel / deformed bars	quintal	1.05	4600.00	4830.00
2205	Carriage of steel 1.05/10 = 0.105t	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	2.00	52.00
	LABOUR For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and binding wire	L.S.	26.91	2.00	53.82
	TOTAL				6241.51 W
	Add 1 % Water charges on "W"				62.42
	TOTAL				6303.92 X
	Add GST on "X" (multiplying factor 0.1405)				885.70
	TOTAL				7189.62 Y
	Add 15% CPOH on "Y"				1078.44
	TOTAL				8268.06 Z
	Add Cess @ 1% on "Z"				82.68
	Cost of one quintal				8350.74
	Cost of 1 Kg.				83.51
	Say				83.50

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

5.22A.1 Mild steel and Medium Tensile steel bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL				
	Mild steel bars = 1.00 q				
	Wastage 5% = 0.05 q				
	Total = 1.05 q				
1004	Average rate of Mild steel round bars for reinforcements	quintal	1.05	4500.00	4725.00
2205	Carriage of Steel NOS/ 10 = 0.105 t	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	2.00	52.00
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries and binding wire	L.S.	26.91	2.00	53.82
	TOTAL				6136.51 W
	Add 1 % Water charges on "W"				61.37
	TOTAL				6197.87 X
	Add GST on "X" (multiplying factor 0.1405)				870.80
	TOTAL				7068.67 Y
	Add 15% CPOH on "Y"				1060.30
	TOTAL				8128.97 Z
	Add Cess @ 1% on "Z"				81.29
	Cost of one quintal				8210.26
	Cost of 1 Kg.				82.10
	Say				82.10

5.22A.2 Hard drawn steel wire

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Hard drawn steel wire = 1.00 q Wastage 5% = 0.05 q Total = 1.05 q				
1224	Hard drawn steel wire	quintal	1.05	4800.00	5040.00
2205	Carriage of Steel	tonne	0.105	92.24	9.69
	LABOUR For cutting and laying in position etc.-				
0102	Blacksmith 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				6399.51 W
	Add 1 % Water charges on "W"				64.00
	TOTAL				6463.50 X
	Add GST on "X" (multiplying factor 0.1405)				908.12
	TOTAL				7371.62 Y
	Add 15% CPOH on "Y"				1105.74
	TOTAL				8477.37 Z
	Add Cess @ 1% on "Z"				84.77
	Cost of one quintal				8562.14
	Cost of 1 Kg.				85.62
	Say				85.60

5.22A.3 Cold twisted bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q Wastage 5% = 0.05 q Total = 1.05q				
1005	Twisted steel / deformed bars	quintal	1.05	4600.00	4830.00
2205	Carriage of Steel	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	2.00	52.00
	LABOUR For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries and binding wire	L.S.	26.91	2.00	53.82
	TOTAL				6241.51 W
	Add 1 % Water charges on "W"				62.42
	TOTAL				6303.92 X
	Add GST on "X" (multiplying factor 0.1405)				885.70
	TOTAL				7189.62 Y
	Add 15% CPOH on "Y"				1078.44
	TOTAL				8268.06 Z
	Add Cess @ 1% on "Z"				82.68
	Cost of one quintal				8350.74
	Cost of 1 Kg.				83.51
	Say				83.50

5.22A.4 Hot rolled deformed bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q Wastage 5% = 0.05 q Total = 1.05q				
1005	Twisted steel / deformed bars	quintal	1.05	4600.00	4830.00
2205	Carriage of Steel	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	2.00	52.00
	LABOUR For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries and binding wire	L.S.	26.91	2.00	53.82
	TOTAL				6241.51 W
	Add 1 % Water charges on "W"				62.42
	TOTAL				6303.92 X
	Add GST on "X" (multiplying factor 0.1405)				885.70
	TOTAL				7189.62 Y
	Add 15% CPOH on "Y"				1078.44
	TOTAL				8268.06 Z
	Add Cess @ 1% on "Z"				82.68
	Cost of one quintal				8350.74
	Cost of 1 Kg.				83.51
	Say				83.50

5.22A.5 Hard drawn steel wire fabric

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Hard drawn steel wire fabric 100kg, 7.75kg per sqm = 12.903 sqm. Add 5% wastage Total =13.548 sqm				
1021	Hard drawn steel wire fabric	sqm	13.548	430.00	5825.64
2205	Carriage of Steel	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	2.00	52.00
	LABOUR For cutting and laying in position.				
0103	Blacksmith 2nd class	day	0.20	679.00	135.80
0114	Beldar	day	1.50	558.00	837.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and binding wire	L.S.	13.52	2.00	27.04
	TOTAL				6887.17 W
	Add 1 % Water charges on "W"				68.87
	TOTAL				6956.04 X
	Add GST on "X" (multiplying factor 0.1405)				977.32
	TOTAL				7933.36 Y
	Add 15% CPOH on "Y"				1190.00
	TOTAL				9123.36 Z
	Add Cess @ 1% on "Z"				91.23
	Cost of one quintal				9214.60
	Cost of 1 Kg.				92.15
	Say				92.15

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal- MATERIAL Deformed twisted steel bars = 1.00 q Wastage 5% = 0.05 q Total =1.05q				
1005	Twisted steel / deformed bars	quintal	1.05	4600.00	4830.00
2205	Carriage of Steel	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	2.00	52.00
	LABOUR For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries and binding wire	L.S.	26.91	2.00	53.82
	TOTAL				6241.51 W
	Add 1 % Water charges on "W"				62.42
	TOTAL				6303.92 X
	Add GST on "X" (multiplying factor 0.1405)				885.70
	TOTAL				7189.62 Y
	Add 15% CPOH on "Y"				1078.44
	TOTAL				8268.06 Z
	Add Cess @ 1% on "Z"				82.68
	Cost of one quintal				8350.74
	Cost of 1 Kg.				83.51
	Say				83.50

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal-				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL				
1005	Deformed twisted steel bars = 1.00 q	quintal	1.00	4600.00	4600.00
2205	Twisted steel / deformed bars	tonne	0.100	92.24	9.22
9999	Carriage of steel 1.0/10 = 0.1t	L.S.	26.00	2.00	52.00
	COVER BLOCK				
9999	LABOUR				
9999	For cut and bend	L.S.	156	2.00	312.00
	For binding and placing in position				
0102	Blacksmith 1st class	day	0.60	738.00	442.80
0114	Beldar	day	0.60	558.00	334.80
9999	Sundries and binding wire	L.S.	26.91	2.00	53.82
	TOTAL				5804.64 W
	Add 1 % Water charges				58.05
	TOTAL				5862.69 X
	Add GST on "X" (multiplying factor 0.1405)				823.71
	TOTAL				6686.40 Y
	Add 15% CPOH on "Y"				1002.96
	TOTAL				7689.36 Z
	Add Cess @1% on "Z"				76.89
	Cost of one quintal				7766.25
	Cost of 1 Kg.				77.66
	Say				77.65

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal-				
	MATERIAL				
1005	Deformed twisted steel bars = 1.00 q	quintal	1.00	4600.00	4600.00
2205	Twisted steel / deformed bars	tonne	0.100	92.24	9.22
9999	Carriage of steel 1.0/10 = 0.1t	L.S.	26.00	2.00	52.00
	COVER BLOCK				
9999	LABOUR				
9999	For cut and bend	L.S.	156	2.00	312.00
	For binding and placing in position				
0102	Blacksmith 1st class	day	0.60	738.00	442.80
0114	Beldar	day	0.60	558.00	334.80
9999	Sundries and binding wire	L.S.	26.91	2.00	53.82
	TOTAL				5804.64 W
	Add 1 % Water charges				58.05
	TOTAL				5862.69 X
	Add GST on "X" (multiplying factor 0.1405)				823.71
	TOTAL				6686.40 Y
	Add 15% CPOH on "Y"				1002.96
	TOTAL				7689.36 Z
	Add Cess @1% on "Z"				76.89
	Cost of one quintal				7766.25
	Cost of 1 Kg.				77.66
	Say				77.65

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL Cement mortar 1 : 3 (1 cement : 3 fine sand)				
3.3	Rate as per item No 3.3 of SH: Mortars	cum	0.072	4183.05	301.18
0155	Mason (average)	day	0.51	709.00	361.59
0115	Coolie	day	0.75	558.00	418.50
0101	Bhisti	day	0.92	617.00	567.64
9999	Extra for removing burrs, cleaning with wire brushes pock marking with pointed tool etc. complete	L.S.	13.39	2.00	26.78
9999	Scaffolding and Sundries	L.S.	11.70	2.00	23.40
	TOTAL				1699.09 W
	Add 1 % Water charges on "W"				16.99
	TOTAL				1716.08 X
	Add GST on "X" (multiplying factor 0.1405)				241.11
	TOTAL				1957.19 Y
	Add 15% CPOH on "Y"				293.58
	TOTAL				2250.77 Z
	Add Cess @ 1% on "Z"				22.51
	Cost of 10 Sqm.				2273.28
	Cost per sqm.				227.33
	Say				227.35

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL Cement mortar 1:2 (1 Cement : 2 Coarse sand)				
3.7	Rate as per item No 3.7 of SH: Mortars	cum	0.03	5345.55	160.37
0367	Portland Cement	tonne	0.0213	4940.00	105.22
2209	Carriage of Cement	tonne	0.0213	92.24	1.96
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0124	Mason (brick layer) 2nd class	day	0.20	679.00	135.80
0114	Beldar	day	0.25	558.00	139.50
9999	Spreading earth on floor (7.5mm thick)	L.S.	35.49	2.00	70.98
	Spreading sand 15mm thick on floor				
0983	Fine sand (zone IV)	cum	0.15	900.00	135.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.15	103.77	15.57

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Disposal of earth spread over floor protectron	L.S.	5.33	2.00	10.66
9999	Sundries	L.S.	6.24	2.00	12.48
	TOTAL				935.14 W
	Add 1 % Water charges on "W"				9.35
	TOTAL				944.49 X
	Add GST on "X" (multiplying factor 0.1405)				132.70
	TOTAL				1077.19 Y
	Add 15% CPOH on "Y"				161.58
	TOTAL				1238.77 Z
	Add Cess @ 1% on "Z"				12.39
	Cost of 10 Sqm.				1251.16
	Cost per sqm.				125.12
	Say				125.10

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.56 kg Considering 3.0 m length, width 250mm and 1.6 mm thick = 0.750 sqm copper plate. Weight of copper plate @ 14.08 kg/m ² 10.56kg				
0967	Copper plate	kilogram	10.56	527.00	5565.12
	LABOUR				
0103	Blacksmith 2nd class	day	0.25	679.00	169.75
9999	Sundries	L.S.	6.24	2.00	12.48
	TOTAL				5747.35 W
	Add 1 % Water charges on "W"				57.47
	TOTAL				5804.82 X
	Add GST on "X" (multiplying factor 0.1405)				815.58
	TOTAL				6620.40 Y
	Add 15% CPOH on "Y"				993.06
	TOTAL				7613.46 Z
	Add Cess @ 1% on "Z"				76.13
	Cost of 10.56 kg				7689.60
	Cost per kg.				728.18
	Say				728.20

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL Bitumen 85/25 @ 1050kg per cum. $1.125 \times 1050 \text{ kg} = 1181.25 \text{ kg}$ Add wastage @ 5% = 59.06 kg. $= 1240.31 = 1.240 \text{ tonne}$				
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	1.24	34000.00	42160.00
2211	Carriage of Tar/ bitumen	tonne	1.24	103.77	128.67
0370	Coal (steam)	quintal	2.480	440.00	1091.20
	For heating of bitumen @ 2.0 quintal per tonne of bitumen. $1.240 \times 2.0 = 2.48 \text{ q} = 0.248 \text{ t}$				
2200	Carriage of steam coal	tonne	0.248	120.00	29.76
	LABOUR				
	Labour for heating, mixing and filling-				
0123	Mason (brick layer) 1st class	day	2.52	738.00	1859.76
0124	Mason (brick layer) 2nd class	day	2.52	679.00	1711.08
0114	Beldar	day	8.06	558.00	4497.48
9999	Sundries	L.S.	121.16	2.00	242.32
	TOTAL				51720.27 W
	Add 1 % Water charges on "W"				517.20
	TOTAL				52237.48 X
	Add GST on "X" (multiplying factor 0.1405)				7339.37
	TOTAL				59576.84 Y
	Add 15% CPOH on "Y"				8936.53
	TOTAL				68513.37 Z
	Add Cess @ 1% on "Z"				685.13
	Cost for 1.125 cum				69198.50
	cost for 1.00cum				61509.78
	Say				61509.80

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 metre of coarse sand for expansion joints.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a joint of 300m length, 2.5cm width and 15cm depth $= 1.125 \text{ cum}$ Cubical content of joints- $300 \times 0.150 \times 0.025 = 1.125 \text{ cum}$.				
	MATERIAL				
	Bitumen S-90 = 256.30 kg per cum. $256.30 \times 1.125 = 288.34 \text{ kg}$. Add for wastage @ 5% = 14.42 kg. Total = 302.76 kg. or = 0.303 tonne.				
0309	Paving bitumen VG-10 of approved quality	tonne	0.303	25614.00	7761.04
2211	Carriage of Tar bitumen	tonne	0.303	103.77	31.44
0370	Coal (steam)	quintal	0.606	440.00	266.64
	for heating of bitumen @ 2.0 quintal per tonne of bitumen, i.e. $0.303 \times 2.0 = 0.606 \text{ q}$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2200	Carriage of steam coal	tonne	0.061	120.00	7.32
0367	Portland Cement 1/80x288.34=3.6 kg = 0.0036 Tonne	tonne	0.0036	4940.00	17.78
2209	Carriage of Cement	tonne	0.0036	92.24	0.33
0982	Coarse sand (zone III) 1/4th of the quantity of cement in kg = 3.6/4= 0.90 cum	cum	0.90	1350.00	1215.00
2203	Carriage of Coarse sand LABOUR	cum	0.90	103.77	93.39
	Labour for heating and filling :				
0123	Mason (brick layer) 1st class	day	2.52	738.00	1859.76
0124	Mason (brick layer) 2nd class	day	2.52	679.00	1711.08
0114	Beldar	day	8.06	558.00	4497.48
9999	Sundries	L.S.	121.16	2.00	242.32
	TOTAL				17703.59 W
	Add 1 % Water charges on "W"				177.04
	TOTAL				17880.63 X
	Add GST on "X" (multiplying factor 0.1405)				2512.23
	TOTAL				20392.86 Y
	Add 15% CPOH on "Y"				3058.93
	TOTAL				23451.79 Z
	Add Cess @ 1% on "Z"				234.52
	Cost for 1.125 cum				23686.30
	cost for 1.00cum				21054.49
	Say				21054.50

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for joint 100m long 10cm deep = 10 sqm MATERIAL				
0339	(i) Impregnated fibre board 1x100x0.075=7.5sqm Flame retardent face insulating, Impregnated fibre board 12 mm thick	sqm	7.50	375.00	2812.50
0316	(ii) Primer 80m/litter 100m= 100/80 x1=1.25 lit Bitumen solution primer of approved quality	litre	1.25	45.00	56.25
	(iii) Sealing compound @ 3 m per litre for 100m = 100/3x1 =33.3 litres Wastage @ 5% = 1.67 Total = 35.00 litre (1 litre = 0.9 kg) = 35.00x0.9 = 31.5 kg				
0314	Bitumen hot sealing compound : grade A	kilogram	31.50	28.00	882.00
9977	Carriage	L.S.	26.91	2.00	53.82

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.12	738.00	88.56
0124	Mason (brick layer) 2nd class	day	0.12	679.00	81.48
0114	Beldar	day	0.25	558.00	139.50
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				4167.93 W
	Add 1 % Water charges on "W"				41.68
	TOTAL				4209.61 X
	Add GST on "X" (multiplying factor 0.1405)				591.45
	TOTAL				4801.06 Y
	Add 15% CPOH on "Y"				720.16
	TOTAL				5521.22 Z
	Add Cess @ 1% on "Z"				55.21
	Cost for 100m long 10cm deep				5576.43
	Cost per cm depth per 100m long				557.64
	Say				557.65

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

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

5.29.1.1 150mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3m length				
	MATERIAL				
0236	Non - Asbestos multi purpose fibre (high impact poly propylene reinforced) cement board 6mm thick.	sqm	0.47	210.00	98.70
2273	Carriage of A.C.sheet and accessories	tonne	0.0049	92.24	0.45
	0.45sqm = 0.0049 tonne				
9999	50mm iron screws with washer and rawl plugs	L.S.	40.30	2.00	80.60
	LABOUR				
0112	Carpenter 2nd class	day	0.20	679.00	135.80
0114	Beldar	day	0.20	558.00	111.60
	TOTAL				427.15 W
	Add 1 % Water charges on "W"				4.27
	TOTAL				431.42 X
	Add GST on "X" (multiplying factor 0.1405)				60.62
	TOTAL				492.04 Y
	Add 15% CPOH on "Y"				73.81
	TOTAL				565.84 Z
	Add Cess @ 1% on "Z"				5.66
	Cost for 3 metre				571.50
	Cost per metre				190.50
	Say				190.50

5.29.1.2 200mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0236	Details of cost for 3m length MATERIAL Non - Asbestos multi purpose fibre (high impact poly propylene reinforced) cement board 6mm thick.	sqm	0.63	210.00	132.30
2273	Carriage of A.C.sheet and accessories 0.60sqm. = 0.0065 tonne	tonne	0.0065	92.24	0.60
9999	50mm iron screws with washer and rawl plugs LABOUR	L.S.	53.82	2.00	107.64
0112	Carpenter 2nd class	day	0.27	679.00	183.33
0114	Beldar	day	0.27	558.00	150.66
	TOTAL				574.53 W
	Add 1 % Water charges on "W"				5.75
	TOTAL				580.27 X
	Add GST on "X" (multiplying factor 0.1405)				81.53
	TOTAL				661.80 Y
	Add 15% CPOH on "Y"				99.27
	TOTAL				761.07 Z
	Add Cess @ 1% on "Z"				7.61
	Cost for 3 metre				768.68
	Cost per metre				256.23
	Say				256.25

5.29.2 Aluminium fluted strips 3.15 mm thick.

5.29.2.1 150 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2391	Details of cost for 1 meter MATERIAL Strips-Aluminium fluted 3.15mm thick and 150mm wide	metre	1.00	278.00	278.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.06	36.00	2.16
9977	Carriage of materials LABOUR	L.S.	1.04	2.00	2.08
0112	Carpenter 2nd class	day	0.067	679.00	45.49
0114	Beldar	day	0.067	558.00	37.39
9999	Sundries	L.S.	1.82	2.00	3.64
	TOTAL				368.76 W
	Add 1 % Water charges on "W"				3.69
	TOTAL				372.45 X
	Add GST on "X" (multiplying factor 0.1405)				52.33
	TOTAL				424.78 Y
	Add 15% CPOH on "Y"				63.72
	TOTAL				488.49 Z
	Add Cess @ 1% on "Z"				4.88
	Cost for 1 metre				493.38
	Say				493.40

5.29.2.2 200 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 meter MATERIAL				
2392	Strips Aluminium fluted 3.15mm thick and 200mm wide metre	metre	1.00	370.00	370.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.06	36.00	2.16
9977	Carriage of materials	L.S.	1.30	2.00	2.60
	LABOUR				
0112	Carpenter 2nd class	day	0.089	679.00	60.43
0114	Beldar	day	0.089	558.00	49.66
9999	Sundries	L.S.	2.34	2.00	4.68
	TOTAL				489.53 W
	Add 1 % Water charges on "W"				4.90
	TOTAL				494.43 X
	Add GST on "X" (multiplying factor 0.1405)				69.47
	TOTAL				563.90 Y
	Add 15% CPOH on "Y"				84.58
	TOTAL				648.48 Z
	Add Cess @ 1% on "Z"				6.48
	Cost for 1 metre				654.96
	Say				654.95

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

5.29.3.1 150 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3 metre MATERIAL:				
0242	Multi purpose cement bonded wood particle board 6 mm thick	sqm	0.47	195.00	91.65
2273	Carriage of board and accessories	tonne	0.005	92.24	0.46
	0.45sqm = 0.0049 tonne				
9999	50mm iron screws with washer and rawl plugs	L.S	40.30	2.00	80.60
	LABOUR:				
0112	Carpenter 2nd class	day	0.20	679.00	135.80
0114	Beldar	day	0.20	558.00	111.60
	TOTAL				420.11 W
	Add 1 % Water charges on "W"				4.20
	TOTAL				424.31 X
	Add GST on "X" (multiplying factor 0.1405)				59.62
	TOTAL				483.93 Y
	Add 15% CPOH on "Y"				72.59
	TOTAL				556.52 Z
	Add Cess @ 1% on "Z"				5.57
	Cost of 3 metre				562.08
	Cost of 1 metre				187.36
	Say				187.35

5.29.3.2 200 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0242	Details of cost for 3m length MATERIAL: Multi purpose cement bonded wood particle board 6 mm thick	sqm	0.63	195.00	122.85
2273	Carriage of board and accessories 0.60sqm = 0.0060 tonne	tonne	0.0065	92.24	0.60
9999	50mm iron screws with washer and rawl plugs	L.S	53.82	2.00	107.64
0112	LABOUR: Carpenter 2nd class	day	0.27	679.00	183.33
0114	Beldar	day	0.27	558.00	150.66
	TOTAL				565.08 W
	Add 1 % Water charges on "W"				5.65
	TOTAL				570.73 X
	Add GST on "X" (multiplying factor 0.1405)				80.19
	TOTAL				650.92 Y
	Add 15% CPOH on "Y"				97.64
	TOTAL				748.56 Z
	Add Cess @ 1% on "Z"				7.49
	Cost of 3 metre				756.04
	Cost of 1 metre				252.01
	Say				252.00

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 30 metre long throating or plaster or moulding- LABOUR				
0123	Mason (brick layer) 1st class	day	0.50	738.00	369.00
0124	Mason (brick layer) 2nd class	day	0.50	679.00	339.50
0115	Coolie	day	1.00	558.00	558.00
9999	Add for materials (cement mortar etc.)	L.S.	26.91	2.00	53.82
	TOTAL				1320.32 W
	Add 1 % Water charges on "W"				13.20
	TOTAL				1333.52 X
	Add GST on "X" (multiplying factor 0.1405)				187.36
	TOTAL				1520.88 Y
	Add 15% CPOH on "Y"				228.13
	TOTAL				1749.02 Z
	Add Cess @ 1% on "Z"				17.49
	Cost for 30 metre				1766.51
	Cost per metre				58.88
	Say				58.90

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0011	Details of cost for depth of water 0.30m. Quantity of concrete = 14 cum. Analysis same as per item number 4.15 pumping hours = 3 hrs. or 0.375 day. Hire charges of Pumpset of capacity 4000 litres/hour. for cleaning slush	day	0.375	700.00	262.50
0114	Beldar	day	4.00	558.00	2232.00
	TOTAL				2494.50 W
	Add 1 % Water charges on "W"				24.95
	TOTAL				2519.45 X
	Add GST on "X" (multiplying factor 0.1405)				353.98
	TOTAL				2873.43 Y
	Add 15% CPOH on "Y"				431.01
	TOTAL				3304.44 Z
	Add Cess @ 1% on "Z"				33.04
	Cost of 14cum. per 0.30m depth				3337.49
	Cost of cum. per m depth				794.64
	Say				794.65

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for depth of water 0.30m. Details of cost for 1 cum. ANALYSIS SAME AS ITEM NO 4.16 Extra labour due to slow progress-				
0123	Mason (brick layer) 1st class	day	0.02	738.00	14.76
0124	Mason (brick layer) 2nd class	day	0.02	679.00	13.58
0114	Beldar	day	0.25	558.00	139.50
0115	Coolie	day	0.15	558.00	83.70
	TOTAL				251.54 W
	Add 1 % Water charges on "W"				2.52
	TOTAL				254.06 X
	Add GST on "X" (multiplying factor 0.1405)				35.69
	TOTAL				289.75 Y
	Add 15% CPOH on "Y"				43.46
	TOTAL				333.21 Z
	Add Cess @ 1% on "Z"				3.33
	Cost for 1 cum.				336.54
	Say				336.55

5.33 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 workability without impairing strength and durability as per direction of 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).

5.33.1 All works upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1350.00	769.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1350.00	573.75
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement	tonne	0.33	4940.00	1630.20
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer 0.50% of cement	kilogram	1.65	36.00	59.40
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	LABOUR				
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	TOTAL				5977.33 W
	Add 1 % Water charges on "W"				59.77
	TOTAL				6037.10 X
	Add GST on "X" (multiplying factor 0.1405)				848.21
	TOTAL				6885.31 Y
	Add 15% CPOH on "Y"				1032.80
	TOTAL				7918.11 Z
	Add Cess @ 1% on "Z"				79.18
	Cost per 1.00 cum				7997.29
	Say				7997.30

5.33.2 All works above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1350.00	769.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1350.00	573.75
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland cement	tonne	0.33	4940.00	1630.20
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer 0.50% of cement	kilogram	1.65	36.00	59.40
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	(Extra labour for lifting material upto floor V level : = 0.75 x 2.5 = 1.88)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				7026.37 W
	Add 1 % Water charges on "W"				70.26
	TOTAL				7096.63 X
	Add GST on "X" (multiplying factor 0.1405)				997.08
	TOTAL				8093.71 Y
	Add 15% CPOH on "Y"				1214.06
	TOTAL				9307.76 Z
	Add Cess @ 1% on "Z"				93.08
	Cost per 1.00 cum				9400.84
	Say				9400.85

5.34 Extra for providing richer mixes at all floor levels.

Note:- Excess/less cement over the specified cement content used is payable / recoverable separately.

5.34.1 Providing M-30 grade concrete instead of M-25 grade BMC/ RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Cement for M-30 mix = 0.340 t				
2209	Cement for M-25 mix = 0.330 t				
	Difference = 0.010 t				
	Portland Cement	tonne	0.01	4940.00	49.40
	Carriage of Cement	tonne	0.01	92.24	0.92
	Plasticizer for M-30 mix = 1.70 Kg				
	Plasticizer for M-25 mix = 1.65 Kg				
	Difference = 0.05 kg				
7318	Plasticizer / super plasticizer	kilogram	0.05	36.00	1.80
	TOTAL				52.12 W
	Add 1 % Water charges on "W"				0.52
	TOTAL				52.64 X
	Add GST on "X" (multiplying factor 0.1405)				7.40
	TOTAL				60.04 Y
	Add 15% CPOH on "Y"				9.01
	TOTAL				69.05 Z
	Add Cess @ 1% on "Z"				0.69
	Cost per cum.				69.74
	Say				69.75

5.34.2 Providing M-35 grade concrete instead of M-25 grade BMC/ RMC. (Note : Cement content considered in M-35 is @ 350 kg/ cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
0367	Cement for M-35 mix = 0.350 t				
2209	Cement for M-25 mix = 0.330 t				
	Difference 0.020 t				
	Portland Cement	tonne	0.02	4940.00	98.80
	Carriage of Cement	tonne	0.02	92.24	1.84
	Plasticizer for M-35 mix = 1.75 Kg				
	Plasticizer for M-25mix = 1.65 Kg				
	Difference = 0.10 kg				
7318	Plasticizer / super plasticizer	kilogram	0.10	36.00	3.60
	TOTAL				104.24 W
	Add 1 % Water charges on "W"				1.04
	TOTAL				105.29 X
	Add GST on "X" (multiplying factor 0.1405)				14.79
	TOTAL				120.08 Y
	Add 15% CPOH on "Y"				18.01
	TOTAL				138.09 Z
	Add Cess @ 1% on "Z"				1.38
	Cost per cum.				139.47
	Say				139.45

5.34.3 Providing M-40 grade concrete instead of M-25 grade BMC/ RMC.(Note : Cement content considered in M-40 is @ 360 kg/ cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. Cement for M-40 mix = 0.360 t Cement for M-25 mix = 0.330 t Difference = 0.030 t				
0367	Portland Cement	tonne	0.03	4940.00	148.20
2209	Carriage of Cement	tonne	0.03	92.24	2.77
	Plasticizer for M-40 mix = 1.80 Kg Plasticizer for M-25 mix = 1.65 Kg Difference = 0.15 kg				
7318	Plasticizer / super plasticizer	kilogram	0.15	36.00	5.40
	TOTAL				156.37 W
	Add 1 % Water charges on "W"				1.56
	TOTAL				157.93 X
	Add GST on "X" (multiplying factor 0.1405)				22.19
	TOTAL				180.12 Y
	Add 15% CPOH on "Y"				27.02
	TOTAL				207.14 Z
	Add Cess @ 1% on "Z"				2.07
	Cost per cum.				209.21
	Say				209.20

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 quintal				
0367	Portland Cement	tonne	0.10	4940.00	494.00
2209	Carriage of Cement	tonne	0.10	92.24	9.22
	TOTAL				503.22 W
	Add 1 % Water charges on "W"				5.03
	TOTAL				508.26 X
	Add GST on "X" (multiplying factor 0.1405)				71.41
	TOTAL				579.67 Y
	Add 15% CPOH on "Y"				86.95
	TOTAL				666.62 Z
	Add Cess @ 1% on "Z"				6.67
	Cost per quintal				673.28
	Say				673.30

- 5.36 Providing and placing in position precast reinforced cement concrete waffle units, square or rectangular, as per design and shape for floors and roofs in 1:1½:3 (1 Cement : 1½ coarse sand (zone-III) : 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 precasting, handling, hoisting, centering and erection complete for all floor levels but, excluding the cost of reinforcement.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.2.2	Details of cost for 1.38 cum Consider a waffle 09. x 0.9 x 0.3m Total area covered 4.548x3.636 = 16.54 sqm. Cement concrete in 1 unit Top 0.8x0.8x0.035 = 0.0224 Sides 2(0.8x0.265x0.0325) = 0.0138 2(0.735x0.265x0.0325) = 0.0127 Total = 0.0489 Flange 4x0.85x0.05x0.035 = 0.0060 Total = 0.0549 Add for Fillets 25% = 0.0137 Total = 0.069 cum. Quantity for 20 such units = 1.38 cum. Rate as per item no 5.2.2 of SH : RCC	cum	1.38	9306.00	12842.28 A
5.9.15	(i) Shuttering and centring Face in contact 4x0.8x0.265 = 0.848 Inner 4x0.735x0.265 = 0.779 Top (inside) 1x0.735x0.735 = 0.540 Flange 4x0.9x0.035 = 0.126 Total = 2.293 sqm. Quantity 20 such units 45.86 sqm. Rate as per item no 5.9.15 of SH : RCC	sqm	45.86	284.85	13063.22 A
10.2	Hooks for lifting 2x1.5 = 3.0m 4x0.01 = 0.04m Total = 3.04m @ 3kg per m-9.12Kg or 0.009 t = 9 kg Rate as per item no 10.2 of SH : Steel work	kg	9.00	101.75	915.75 A
9988	(iii) 10mm dia. Bolts 60mm long with nuts and washers 2x2 = 4 Nos. including carriage of bolts	L.S.	13.00	2.00	26.00
9999	Sundries	L.S.	79.95	2.00	159.90
0126	(iv) Transportation and erection labour for 20 units Mason (for ornamental stone work) 1st class	day	1.00	738.00	738.00
0114	Beldar (v) Cost of pointing flush or deep ruled in cement mortar 1:2 (1 Cement : 2 fine sand)	day	6.00	558.00	3348.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.35.1	Rate as per item no 13.35.1 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Total for 20 units Cost for 1.38 cum. Cost for 1 cum. Say	sqm	16.54	159.00	2629.86 A 33723.01 W 42.72 33765.73 X 606.20 34371.93 Y 738.12 35110.06 Z 56.59 35166.65 35166.65 25483.08 25483.10

5.37 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).

5.37.1 All works upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1350.00	769.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1350.00	573.75
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement	tonne	0.33	4940.00	1630.20
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer 0.50% of cement	kilogram	1.65	36.00	59.40
	Production cost, carriage to site, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	30.00	300.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	TOTAL				6277.33 W
	Add 1 % Water charges on "W"				62.77
	TOTAL				6340.10 X
	Add GST on "X" (multiplying factor 0.1405)				890.78
	TOTAL				7230.88 Y
	Add 15% CPOH on "Y"				1084.63
	TOTAL				8315.52 Z
	Add Cess @ 1% on "Z"				83.16
	Cost per 1.00 cum				8398.67
	Say				8398.65

5.37.2 All works above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1350.00	769.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1350.00	378.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1350.00	573.75
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement	tonne	0.33	4940.00	1630.20
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer 0.50% of cement	kilogram	1.65	36.00	59.40
	Production cost, carriage to site, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	30.00	300.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. Labour for pouring, consolidating & curing	cum	1.00	210.00	210.00
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	(Extra labour for lifting material upto floor V level : = 0.75 x 2.5 = 1.88)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				7326.37 W
	Add 1 % Water charges on "W"				73.26
	TOTAL				7399.63 X
	Add GST on "X" (multiplying factor 0.1405)				1039.65
	TOTAL				8439.28 Y
	Add 15% CPOH on "Y"				1265.89
	TOTAL				9705.17 Z
	Add Cess @ 1% on "Z"				97.05
	Cost per 1.00 cum				9802.22
	Say				9802.20

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

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

5.40 Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using fly ash 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 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- (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.

5.40.1 All works up to Plinth level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 cum MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1350.00	499.50
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	10.00	2.10
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.33	4940.00	1630.20
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer	kilogram	1.65	36.00	59.40
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	30.00	300.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	LABOUR for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	TOTAL				6252.77 W
	Add 1 % Water charges on "W"				62.53
	TOTAL				6315.30 X
	Add GST on "X" (multiplying factor 0.1405)				887.30
	TOTAL				7202.60 Y
	Add 15% CPOH on "Y"				1080.39
	TOTAL				8282.99 Z
	Add Cess @ 1% on "Z"				82.83
	Cost per 1.00 cum				8365.82
	Say				8365.80

5.40.2 All works above plinth & up to floor V level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size 0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1300.00	845.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1350.00	324.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1350.00	499.50
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	10.00	2.10
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.33	4940.00	1630.20
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer	kilogram	1.65	36.00	59.40
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	350.00	350.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	30.00	300.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	210.00	210.00
	LABOUR for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	709.00	120.53
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.90	617.00	555.30
0012	Vibrator(Needle type 40mm)	day	0.07	370.00	25.90
9999	Sundries	L.S.	13.00	2.00	26.00
	(Extra labour for lifting material upto floor V level : = 0.75 x 2.5 = 1.88)				
0115	Coolie	day	1.88	558.00	1049.04
	TOTAL				7301.81 W
	Add 1 % Water charges on "W"				73.02
	TOTAL				7374.83 X
	Add GST on "X" (multiplying factor 0.1405)				1036.16
	TOTAL				8411.00 Y
	Add 15% CPOH on "Y"				1261.65
	TOTAL				9672.65 Z
	Add Cess @ 1% on "Z"				96.73
	Cost per 1.00 cum				9769.37
	Say				9769.35

5.41 Supplying and applying pre tested and approved water based concrete curing compound to concrete/ masonry surface, all as per manufacturer's specification and direction of Engineer-in-charge.

5.41.1 Non pigmented wet curing compound

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 10.00 sqm (covering area 5 sqm/litre) MATERIAL				
0349	Curing compound	litre	2.00	38.00	76.00
9977	Carriage of material	L.S.	1.00	2.00	2.00
	LABOUR				
0131	Painter	day	0.33	679.00	224.07
0114	Beldar	day	0.17	558.00	94.86
9999	Sundries, Brush	L.S.	3.00	2.00	6.00
	TOTAL				402.93 W
	Add 1 % Water charges on "W"				4.03
	TOTAL				406.96 X
	Add GST on "X" (multiplying factor 0.1405)				57.18
	TOTAL				464.14 Y
	Add 15% CPOH on "Y"				69.62
	TOTAL				533.76 Z
	Add Cess @ 1% on "Z"				5.34
	Cost of 10 sqm				539.10
	Cost of 1 sqm				53.91
	Say				53.90

5.42 Providing and fixing parallel threaded couplers conforming to IS code on "Reinforcement Couplers for Mechanical Splices of Bars for Concrete Reinforcement - Specification", to reinforcement bars including threading, enlargement at connection by forging, protecting the prepared reinforcement bars and related operations as required to complete the works per direction of Engineer-in-Charge.

5.42.1 Coupler for 16 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 1 Nos MATERIAL				
2394	Coupler 16 mm dia	each	1.00	30.00	30.00
	LABOUR				
9999	For placing in position and fixing	L.S.	3.77	2.00	7.54
9999	Tapard/Parallel threading charges	L.S.	17.77	2.00	35.54
	TOTAL				73.08 W
	Add 1 % Water charges on "W"				0.73
	TOTAL				73.81 X
	Add GST on "X" (multiplying factor 0.1405)				10.37
	TOTAL				84.18 Y
	Add 15% CPOH on "Y"				12.63
	TOTAL				96.81 Z
	Add Cess @ 1% on "Z"				0.97
	Cost of 1 no				97.78
	Say				97.80

5.42.2 Coupler for 20 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2395	Detail of cost for 1 Nos MATERIAL Coupler 20 mm dia	each	1.00	39.00	39.00
9999	LABOUR For placing in position and fixing	L.S.	5.90	2.00	11.80
9999	Tapard/Parallel threading charges	L.S.	25.17	2.00	50.34
	TOTAL				101.14 W
	Add 1 % Water charges on "W"				1.01
	TOTAL				102.15 X
	Add GST on "X" (multiplying factor 0.1405)				14.35
	TOTAL				116.50 Y
	Add 15% CPOH on "Y"				17.48
	TOTAL				133.98 Z
	Add Cess @ 1% on "Z"				1.34
	Cost of 1 no				135.32
	Say				135.30

5.42.3 Coupler for 25 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2396	Detail of cost for 1 Nos MATERIAL Coupler 25 mm dia	each	1.00	69.50	69.50
9999	LABOUR For placing in position and fixing	L.S.	8.69	2.00	17.38
9999	Tapard/Parallel threading charges	L.S.	29.61	2.00	59.22
	TOTAL				146.10 W
	Add 1 % Water charges on "W"				1.46
	TOTAL				147.56 X
	Add GST on "X" (multiplying factor 0.1405)				20.73
	TOTAL				168.29 Y
	Add 15% CPOH on "Y"				25.24
	TOTAL				193.54 Z
	Add Cess @ 1% on "Z"				1.94
	Cost of 1 no				195.47
	Say				195.45

5.42.4 Coupler for 28 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2397	Detail of cost for 1 Nos MATERIAL Coupler 28 mm dia	each	1.00	80.00	80.00
9999	LABOUR For placing in position and fixing	L.S.	12.84	2.00	25.68

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Tapard/Parallel threading charges	L.S.	32.57	2.00	65.14
	TOTAL				170.82 W
	Add 1 % Water charges on "W"				1.71
	TOTAL				172.53 X
	Add GST on "X" (multiplying factor 0.1405)				24.24
	TOTAL				196.77 Y
	Add 15% CPOH on "Y"				29.52
	TOTAL				226.28 Z
	Add Cess @ 1% on "Z"				2.26
	Cost of 1 no				228.55
	Say				228.55

5.42.5 Coupler for 32 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2398	Detail of cost for 1 Nos MATERIAL Coupler 32 mm dia	each	1.00	110.00	110.00
9999	LABOUR For placing in position and fixing	L.S.	15.48	2.00	30.96
9999	Tapard/Parallel threading charges	L.S.	32.57	2.00	65.14
	TOTAL				206.10 W
	Add 1 % Water charges on "W"				2.06
	TOTAL				208.16 X
	Add GST on "X" (multiplying factor 0.1405)				29.25
	TOTAL				237.41 Y
	Add 15% CPOH on "Y"				35.61
	TOTAL				273.02 Z
	Add Cess @ 1% on "Z"				2.73
	Cost of 1 no				275.75
	Say				275.75

5.43 Providing and fixing in position Stainless steel Grade 304 plate-1.0 mm thick as per design for expansion joints.

5.43.1 200 mm wide.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2393	Detail of cost for 1 metre MATERIAL 1 mm thick Stainless Steel Cover plate grade 304	kg	1.60	275.00	440.00
8647	Stainless steel screws 30mm x4mm.	100 nos	0.06	32.00	1.92
9977	Carriage of material	L.S.	1.30	2.00	2.60
	LABOUR				
0103	Blacksmith 2nd class	day	0.067	679.00	45.49
0114	Beldar	day	0.067	558.00	37.39

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	2.34	2.00	4.68
	TOTAL				532.08 W
	Add 1 % Water charges on "W"				5.32
	TOTAL				537.40 X
	Add GST on "X" (multiplying factor 0.1405)				75.50
	TOTAL				612.90 Y
	Add 15% CPOH on "Y"				91.94
	TOTAL				704.84 Z
	Add Cess @ 1% on "Z"				7.05
	Cost of 1 metre				711.89
	Say				711.90

5.43.2 300 mm wide.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 1 metre				
	MATERIAL				
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	2.40	275.00	660.00
8647	Stainless steel screws 30mm x4mm.	100 nos	0.06	32.00	1.92
9977	Carriage of material	L.S.	1.30	2.00	2.60
	LABOUR				
0103	Blacksmith 2nd class	day	0.067	679.00	45.49
0114	Beldar	day	0.067	558.00	37.39
9999	Sundries	L.S.	2.34	2.00	4.68
	TOTAL				752.08 W
	Add 1 % Water charges on "W"				7.52
	TOTAL				759.60 X
	Add GST on "X" (multiplying factor 0.1405)				106.72
	TOTAL				866.32 Y
	Add 15% CPOH on "Y"				129.95
	TOTAL				996.27 Z
	Add Cess @ 1% on "Z"				9.96
	Cost of 1 metre				1006.23
	Say				1006.25

5.44 Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base members, self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical location in load application areas that accommodates multi directional seismic movement without stress to it's components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self- centering arrangement that freely rotates / moves in all directions. The Self - centering arrangement shall exhibit circular sphere ends that lock and slide inside the

corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer -in-Charge. (Material shall confirm to ASTM 6063).

5.44.1 Floor Joint of 100 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre.				
	MATERIALS :				
2403	Floor Joint of 100 mm	metre	1.00	3100.00	3100.00
2402	Epoxy adhesive	kg	4.25	150.00	637.50
9977	Carriage	L.S.	124.90	2.00	249.80
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	738.00	36.90
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				4181.70 W
	Add 1 % Water charges on "W"				41.82
	TOTAL				4223.52 X
	Add GST on "X" (multiplying factor 0.1405)				593.40
	TOTAL				4816.92 Y
	Add 15% CPOH on "Y"				722.54
	TOTAL				5539.46 Z
	Add Cess @ 1% on "Z"				55.39
	Cost of 1 metre.				5594.85
	Say				5594.85

5.44.2 Floor Joint of 150 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre.				
	MATERIALS :				
2404	Floor Joint of 150 mm	metre	1.00	4000.00	4000.00
2402	Epoxy adhesive	kg	4.50	150.00	675.00
9977	Carriage	L.S.	124.90	2.00	249.80
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	738.00	36.90
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				5119.20 W
	Add 1 % Water charges on "W"				51.19
	TOTAL				5170.39 X
	Add GST on "X" (multiplying factor 0.1405)				726.44
	TOTAL				5896.83 Y
	Add 15% CPOH on "Y"				884.52
	TOTAL				6781.36 Z
	Add Cess @ 1% on "Z"				67.81
	Cost of 1 metre.				6849.17
	Say				6849.15

5.44.3 Floor Joint of 200 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre.				
	MATERIALS :				
2405	Floor Joint of 200 mm	metre	1.00	5400.00	5400.00
2402	Epoxy adhesive	kg	4.75	150.00	712.50
9977	Carriage	L.S.	124.90	2.00	249.80
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	738.00	36.90
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				6556.70 W
	Add 1 % Water charges on "W"				65.57
	TOTAL				6622.27 X
	Add GST on "X" (multiplying factor 0.1405)				930.43
	TOTAL				7552.70 Y
	Add 15% CPOH on "Y"				1132.90
	TOTAL				8685.60 Z
	Add Cess @ 1% on "Z"				86.86
	Cost of 1 metre.				8772.46
	Say				8772.45

5.45 Providing and fixing of expansion joint system related with wall joint (internal/ external) location as per drawings and direction of Engineer-In- Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221- 02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall confirm to ASTM 6063).

5.45.1 Wall Joint of 100 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre.				
	MATERIALS :				
2409	Wall Joint of 100 mm	metre	1.00	2400.00	2400.00
2402	Epoxy adhesive	kg	4.25	150.00	637.50
9977	Carriage	L.S.	124.90	2.00	249.80
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	738.00	36.90
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				3481.70 W
	Add 1 % Water charges on "W"				34.82
	TOTAL				3516.52 X
	Add GST on "X" (multiplying factor 0.1405)				494.07
	TOTAL				4010.59 Y
	Add 15% CPOH on "Y"				601.59
	TOTAL				4612.18 Z
	Add Cess @ 1% on "Z"				46.12
	Cost of 1 metre.				4658.30
	Say				4658.30

5.45.2 Wall Joint of 150 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre.				
	MATERIALS :				
2410	Wall Joint of 150 mm	metre	1.00	2800.00	2800.00
2402	Epoxy adhesive	kg	4.50	150.00	675.00
9977	Carriage	L.S.	124.90	2.00	249.80
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	738.00	36.90
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				3919.20 W
	Add 1 % Water charges on "W"				39.19
	TOTAL				3958.39 X
	Add GST on "X" (multiplying factor 0.1405)				556.15
	TOTAL				4514.55 Y
	Add 15% CPOH on "Y"				677.18
	TOTAL				5191.73 Z
	Add Cess @ 1% on "Z"				51.92
	Cost of 1 metre.				5243.65
	Say				5243.65

5.45.3 Wall Joint of 200 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre.				
	MATERIALS :				
2411	Wall Joint of 200 mm	metre	1.00	3400.00	3400.00
2402	Epoxy adhesive	kg	4.75	150.00	712.50
9977	Carriage	L.S.	124.90	2.00	249.80
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	738.00	36.90
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				4556.70 W
	Add 1 % Water charges on "W"				45.57
	TOTAL				4602.27 X
	Add GST on "X" (multiplying factor 0.1405)				646.62
	TOTAL				5248.89 Y
	Add 15% CPOH on "Y"				787.33
	TOTAL				6036.22 Z
	Add Cess @ 1% on "Z"				60.36
	Cost of 1 metre.				6096.58
	Say				6096.60

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 asper 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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre.				
	MATERIALS :				
2399	Complete Roof Joint of 100 mm	metre	1.00	2800.00	2800.00
2402	Epoxy adhesive	kg	4.25	150.00	637.50
9977	Carriage	L.S.	124.90	2.00	249.80
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	738.00	36.90
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				3881.70 W
	Add 1 % Water charges on "W"				38.82
	TOTAL				3920.52 X
	Add GST on "X" (multiplying factor 0.1405)				550.83
	TOTAL				4471.35 Y
	Add 15% CPOH on "Y"				670.70
	TOTAL				5142.05 Z
	Add Cess @ 1% on "Z"				51.42
	Cost of 1 metre.				5193.47
	Say				5193.45

5.46.2 Roof Joint of 150 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre.				
	MATERIALS :				
2400	Complete Roof Joint of 150 mm	metre	1.00	3200.00	3200.00
2402	Epoxy adhesive	kg	4.50	150.00	675.00
9977	Carriage	L.S.	124.90	2.00	249.80
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	738.00	36.90
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				4319.20 W
	Add 1 % Water charges on "W"				43.19
	TOTAL				4362.39 X
	Add GST on "X" (multiplying factor 0.1405)				612.92
	TOTAL				4975.31 Y
	Add 15% CPOH on "Y"				746.30
	TOTAL				5721.60 Z
	Add Cess @ 1% on "Z"				57.22
	Cost of 1 metre.				5778.82
	Say				5778.80

5.46.3 Roof Joint of 200 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost of 1 metre.				
	MATERIALS :				
2401	Complete Roof Joint of 200 mm	metre	1.00	4000.00	4000.00
2402	Epoxy adhesive	kg	4.75	150.00	712.50
9977	Carriage	L.S.	124.90	1.73	216.08
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	738.00	36.90
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				5122.98 W
	Add 1 % Water charges on "W"				51.23
	TOTAL				5174.21 X
	Add GST on "X" (multiplying factor 0.1405)				726.98
	TOTAL				5901.18 Y
	Add 15% CPOH on "Y"				885.18
	TOTAL				6786.36 Z
	Add Cess @ 1% on "Z"				67.86
	Cost of 1 metre.				6854.22
	Say				6854.20

5.47 Providing and fixing in position factory made precast RCC M-40 fixing with hold fast embedded in 1:3:6 concrete block for doors and windows frames having excellent smooth finish as per IS: 6523 with reinforcement of 3 Nos, 6 mm dia main bars tied with 3 mm M.S stirrups placed @ 200 mm C/C and 6 numbers high strength polymer blocks of required size for fixing hinges including providing 6 no specially designed M.S. galvanised sleeves for accomodating 6 mm dia fully threaded bolts for fixing hold fast on vertical members, providing suitable arrangement for recieving sliding door bolts and tower bolt etc. all complete, as per the direction of Engineer-in-charge. The frame shall be measured in running metre correct to two places of decimal.

5.47.1 Door frame 125 mmx 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.33.1	Details of cost for 5.20 metre. MATERIAL Rate as per Item No.5.33.1 of SH: REINFORCED CEMENT CONCRETE	cum	0.039	7997.30	311.89 P
5.34.3	Rate as per Item No.5.34.3 of SH:REINFORCED CEMENT CONCRETE	cum	0.039	209.20	8.16 Q
	Extra for scatter and smaller work @25 % (P + Q) x 0.25 = (311.89+8.16) x 0.25				80.01 R
1005 0596	Twisted steel/ deformed bars Bright finished or black enameled mild steel butt hinges 75x47x 1.70 mm	quintal	0.0468	4600.00	215.28
4.3.3	Rate as per Item No.4.3.3 of SH: CONCRETE WORK	10 Nos	0.60	56.00	33.60
14.2.1	Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS	sqm	1.27	733.70	931.80 A
13.48.2	Rate as per Item No.13.48.2 of SH. FINISHING	each	1.00	1366.85	1366.85 A
		sqm	1.27	130.25	165.42 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	100.67	2.00	201.34
	TOTAL				3314.35 W
	Add 1 % Water charges on "W-A-P-Q-R"				4.50
	TOTAL				3318.86 X
	Add GST on "X-A-P-Q-R" (multiplying factor 0.1405)				63.89
	TOTAL				3382.74 Y
	Add 15% CPOH on "Y-A-P-Q-R"				77.79
	TOTAL				3460.54 Z
	Add Cess @ 1% on "Z-A-P-Q-R"				5.96
	Cost of 5.20 metre				3466.50
	Cost of 1 metre				666.63
	Say				666.65

5.47.2 Door frame 100 mmx 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.33.1	Details of cost for 5.20 metre. MATERIAL Rate as per Item No.5.33.1 of SH: REINFORCED CEMENT CONCRETE	cum	0.031	7997.30	247.92 P
5.34.3	Rate as per Item No.5.34.3 of SH: REINFORCED CEMENT CONCRETE	cum	0.031	209.20	6.49 Q
	Extra for scatter and smaller work @25 %				63.60 R
	$(P + Q) \times 0.25 = (247.92 + 6.49) \times 0.25$				
1005	Twisted steel/ deformed bars	quintal	0.0372	4600.00	171.12
0596	Bright finished or black enameled mild steel butt hinges 75x47x1.70 mm	10 Nos	0.60	56.00	33.60
4.3.3	Rate as per Item No.4.3.3 of SH: CONCRETE WORK	sqm	1.14	733.70	836.42 A
14.2.1	Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS	each	1.00	1366.85	1366.85 A
13.48.2	Rate as per Item No.13.48.2 of SH. FINISHING	sqm	1.14	130.25	148.49 A
9999	Sundries	L.S.	100.67	2.00	201.34
	TOTAL				3075.81 W
	Add 1 % Water charges on "W-A-P-Q-R"				4.06
	TOTAL				3079.88 X
	Add GST on "X-A-P-Q-R" (multiplying factor 0.1405)				57.62
	TOTAL				3137.50 Y
	Add 15% CPOH on "Y-A-P-Q-R"				70.16
	TOTAL				3207.66 Z
	Add Cess @ 1% on "Z-A-P-Q-R"				5.38
	Cost of 5.20 metre				3213.04
	Cost of 1 metre				617.89
	Say				617.90

5.47.3 Door frame 85 mmx60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.33.1	Details of cost for 5.20 metre. MATERIAL Rate as per Item No.5.33.1 of SH: REINFORCED CEMENT CONCRETE	cum	0.027	7997.30	215.93 P
5.34.2	Rate as per Item No.5.34.2 of SH: REINFORCED CEMENT CONCRETE	cum	0.027	139.45	3.77 Q
	Extra for scatter and smaller work @25 % (P + Q) x 0.25 = (215.93 + 3.77) x 0.25				54.92 R
1005 0596	Twisted steel/ deformed bars Bright finished or black enameled mild steel butt hinges 75x47x 1.70 mm	quintal	0.0324	4600.00	149.04
4.3.3	Rate as per Item No.4.3.3 of SH: CONCRETE WORK	10 Nos	0.60	56.00	33.60
14.2.1	Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS	sqm	1.07	733.70	785.06 A
13.48.2	Rate as per Item No.13.48.2 of SH. FINISHING	each	1.00	1366.85	1366.85 A
9999	Sundries	sqm	1.07	130.25	139.37 A
	TOTAL	L.S.	100.67	2.00	201.34
	Add 1 % Water charges on "W-A-P-Q-R"				2949.87 W
	TOTAL				3.84
	Add GST on "X-A-P-Q-R" (multiplying factor 0.1405)				2953.71 X
	TOTAL				54.49
	Add 15% CPOH on "Y-A-P-Q-R"				3008.20 Y
	TOTAL				66.35
	Add Cess @ 1% on "Z-A-P-Q-R"				3074.55 Z
	Cost of 5.20 metre				5.09
	Cost of 1 metre				3079.63
	Say				592.24
					592.25

- 5.48 Providing and laying Reinforced cement concrete for construction of piers, abutments, portal frames, pier caps and bearing pedestals and seismic arresters over pier/ abutment caps at all locations with specified grade using Ordinary Portland Cement (conforming to strength requirement of IS:8112) including the cost of steel centering and shuttering etc. complete, including testing of materials etc. for casting pier & pier cap in one/two stage, necessary tools, plants, machinery and all related operations as required to complete the work as per drawings and Specifications with all leads, lifts and depths true to level and position but excluding the cost of providing reinforcement. Reinforcement shall be measured and paid separately.**
- Note:- Cement content considered in this item is 480 Kg./ Cum. Excess/ less cement used as per design mix is payable/ recoverable separately.**

5.48.1 Reinforced Cement Concrete -M-50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.48X	Detail of cost for 120 cum. MATERIAL Sub Analysis no 5.48X (Annexure) for item 5.48.1 Providing M 50 grade reinforced Cement Concrete data (lot) for 120.00 cum Add 11 per cent of cost of material, labour and machinery for formwork on P Add 1.4 per cent of cost of material, Labour and machinery excluding formwork to cater for extra lift on P TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 120 cum Cost of 1 cum Say	each	1.00	592482.20	592482.20 P 65173.04 8294.75 665949.99 W 6659.50 672609.49 X 94501.63 767111.13 Y 115066.67 882177.80 Z 8821.78 890999.57 7425.00 7425.00

5.48.2 Reinforced Cement Concrete -M-60

[illegible]

5.48.3 Extra for using M-50/ M-60 Grade Self-compacting Cement Concrete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.48X	Detail of cost for 1 cum. MATERIAL				
	Sub Analysis no 5.48 (Annexure) for sub analysis 5.48.3X	each	1.00	9430.05	9430.05
5.48.2	Rate as per Item No.5.48.2 of SH: REINFORCED CEMENT CONCRETE	cum	-1.00	8681.45	-8681.45
	TOTAL				748.60
	Cost of 1 cum				748.60
	Say				748.60

5.48.3X M 60 grade Self-compacting Reinforced Cement Concrete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.48Z	Detail of cost for 120 cum. MATERIAL				
	Sub Analysis no 5.48Z (Annexure) for sub analysis 5.48.3X	each	1.00	752474.70	752474.70 P
	Providing M 60 grade reinforced Cement Concrete data (lot) for 120.00 cum				
	Add 11 per cent of cost of material, labour and machinery for formwork, P x 11 /100				82772.22
	Add 1.4 per cent of cost of material, Labour and machinery excluding formwork to cater for extra lift, Px1.4/100				10534.65
	TOTAL				845781.56 W
	Add 1 % Water charges on "W"				8457.82
	TOTAL				854239.38 X
	Add GST on "X" (multiplying factor 0.1405)				120020.63
	TOTAL				974260.01 Y
	Add 15% CPOH on "Y"				146139.00
	TOTAL				1120399.01 Z
	Add Cess @ 1% on "Z"				11203.99
	Cost of 120 cum				1131603.00
	Cost of 1 cum				9430.03
	Say				9430.05

5.48X Annexure for item 5.48.1, Providing M50 grade Reinforced Cement Concrete data for 120.00 cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Sub Analysis for use in Item no 5.48.1 Details of cost for each lot of 120 cum. RCC Grade M50 Unit = 1 cum Taking output = 120 cum				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIALS :				
0367	Portland Cement	tonne	57.60	4940.00	284544.00
0982	Coarse sand (zone III)	cum	54.00	1350.00	72900.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	64.80	1350.00	87480.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	43.20	1350.00	58320.00
7318	Plasticizer / super plasticizer	kilogram	223.20	36.00	8035.20
	LABOUR :				
0128	Mate	day	0.94	617.00	579.98
0123	Mason (brick layer) 1 st class	day	3.50	738.00	2583.00
0114	Beldar	day	20.00	558.00	11160.00
	MACHINERY :				
0066	Batching and Mixing Plant @ 75 cum per hour	hour	1.60	2400.00	3840.00
0070	Generator 100 KVA/125 KVA	hour	1.60	250.00	400.00
0052	Front end loader 1 cum bucket capacity (incl POL) Distance = 10 km Qty= 120.00 cum Total = 120.00x 10= 1200	hour	1.60	900.00	1440.00
0029	Carriage of concrete by transit mixer	km/cum	1200.00	30.00	36000.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	120.00	210.00	25200.00
	TOTAL				592482.18
	Cost of each lot of 120 cum.				592482.18
	Say				592482.20

5.48Y Annexure for items 5.48.2 for using M 60 grade Self Compacting Reinforced cement concrete data for 120.00 cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Sub Analysis for use in Item no 5.48.2 Detail of cost for each RCC Grade M60 Unit = 1 cum Taking output = 120 cum				
	MATERIALS :				
0367	Portland Cement	tonne	57.60	4940.00	284544.00
0982	Coarse sand (zone III)	cum	54.98	1350.00	74223.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	57.54	1350.00	77679.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	38.22	1350.00	51597.00
7318	Plasticizer / super plasticizer	kilogram	230.40	36.00	8294.40
8953	Micro Silica	kg	3600.00	32.00	115200.00
	LABOUR :				
0128	Mate	day	0.94	617.00	579.98
0123	Mason (brick layer) 1 st class	day	3.50	738.00	2583.00
0114	Beldar	day	20.00	558.00	11160.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0066	MACHINERY : Batching and Mixing Plant @ 75 cum per hour	hour	1.60	2400.00	3840.00
0070	Generator 100 KVA/125 KVA	hour	1.60	250.00	400.00
0052	Front end loader 1 cum bucket capacity (incl POL) Distance = 10 km Qty= 120.00 cum Total = 120.00x 10= 1200	hour	1.60	900.00	1440.00
0029	Carriage of concrete by transit mixer	km/cum	1200.00	30.00	36000.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	120.00	210.00	25200.00
	TOTAL				692740.38
	Cost of each.				692740.38
	Say				692740.40

5.48Z Annexure for items 5.48.3. Extra for using M 60 grade Self Compacting Reinforced cement concrete data for 120.00 cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Sub Analysis for use in Item no 5.48.3X Details of cost for each. RCC Grade M60 self compacting concrete Using Batching Plant, Transit Mixer and Concrete Pump Unit = 1 cum Taking Output = 120 cum				
	MATERIALS :				
0367	Portland Cement	tonne	57.60	4940.00	284544.00
0982	Coarse sand (zone III)	cum	54.00	1350.00	72900.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	64.80	1350.00	87480.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	43.20	1350.00	58320.00
7318	Plasticizer / super plasticizer	kilogram	230.40	36.00	8294.40
8953	Micro Silica	kg	5040.00	32.00	161280.00
	LABOUR :				
0128	Mate	day	0.84	617.00	518.28
0123	Mason (brick layer) 1 st class	day	3.00	738.00	2214.00
0114	Beldar	day	18.00	558.00	10044.00
	MACHINERY :				
0066	Batching and Mixing Plant @ 75 cum per hour	hour	1.60	2400.00	3840.00
0070	Generator 100 KVA/125 KVA	hour	1.60	250.00	400.00
0052	Front end loader 1 cum bucket capacity (incl POL) Distance = 10 km Qty= 120.00 cum Total = 120.00x 10= 1200	hour	1.60	900.00	1440.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0029	Carriage of concrete by transit mixer	km/cum	1200.00	30.00	36000.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	120.00	210.00	25200.00
	TOTAL				752474.68
	Cost of each.				752474.68
	Say				752474.70

- 5.49 Constructing cast-in situ RCC diaphragm wall by providing and laying machine batched, machine mixed, self compacting, ready mix reinforced cement concrete, tramie controlled, of M 30 grade using minimum 400 kg cement per cum of concrete including providing and mixing required admixtures in recommended proportions as per IS : 9103, as approved by the Engineer-in-charge, for achieving 150- 200mm slump, for diaphragm wall having thickness as per approved structural design not exceeding 600 mm, in pannels of required depth and lengths as per approved drawing, including constructing necessary guide walls as required and as specified including boring in all kinds of soils and rocks, including working in or under water and / or liquid mud, in foul conditions and pumping or bailing out of water and removing slush, including disposal of earth/ rock / slush etc. for all leads and all lifts, including preparing, providing and re-circulating bentonite slurry in the trench as and when required for all depths, including agitating bentonite slurry during trenching etc., providing and fixing stop ends or form tubes, upto the required depth of diaphragm wall including extracting the same after casting, including chipping off the bentonite adulterated concrete or unsound concrete up to the cut off level for obtaining the sound concrete, dressing undulations on the exposed face of diaphragm wall after excavation by chipping / chiseling etc. including filling the depression/ cavities with sound concrete etc. complete and as directed by the Engineer-in-charge, including providing recess for bearing plates and fixing insert boxes for inclined rock anchors etc. complete as per the specifications and approved design and as directed by the Engineer-in-charge, but excluding the cost of reinforcement and inserts. (rates include cost of all inputs of labour, material and T & P, cost of handling, lifting & placing in position the reinforcement cage in the trench, including the additional cost of welding the reinforcement bars etc. involved in the work and all other incidental expenditure for completing the work as directed by the Engineer-in-charge), However, the actual area of the diaphragm wall, correct to two places of decimal, from design bottom level to the design cut off level (including portion anchored in the rock upto the design bottom level) only shall be measured for payment.**

Excess/less cement used for design mix including the extra cement required for under water concreting is payable / recoverable separately.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 144.0 cum. Analysis for 20x12=240 Sqmt area of diaphragm wall Average depth 12 m Thickness 0.60 m Total Quantity 20 mx12 m x0.6 m = 144.00 cum				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0082	Excavation of Diaphragm wall by Mechanical Grab	sqm	240.00	1300.00	312000.00
5.1.3	Guide wall RCC 1:2:4 RCC 2x20x(0.45+1.5)x.15 = 11.70 cum Rate as per Item No.5.1.3 of SH: REINFORCED CEMENT CONCRETE	cum	11.70	7296.35	85367.30 A
5.22.6	Reinforcement@ 70 kg/Cum for guide wall= 11.70x 70 kg/cum= 819 kg Rate as per Item No.5.22.6 of SH: REINFORCED CEMENT CONCRETE	kilogram	819.00	83.50	68386.50 A
5.33.1	Add for chipping/dismantling top 50 cm contaminated concrete =20 x 0.50 x 0.60= 6.00 cum RMC M-30 as per qty=144.00 cum Add 10% extra for bulges etc. i.e. 14.40 cum Total=144.00+6.00+14.40= 164.40 cum Rate as per Item No.5.33.1 of SH: REINFORCED CEMENT CONCRETE	cum	164.40	7997.30	1314756.12 A
5.34.1	Rate as per Item No.5.34.1 of SH: REINFORCED CEMENT CONCRETE	cum	164.40	69.75	11466.90 A
7183	Bentonite @6% of RCC qty Total Qty= 164.4x06x1400/100= 13810 kg= 13.81 tonne Bentonite	tonne	13.81	2960.00	40877.60
0367	Add 10 %extra cement due to concreting under water 164.4x420x0.10=6.90 tonne Portland Cement	tonne	6.90	4940.00	34086.00
0367	Add cement for grouting of wall using nozzles etc.- 240 sqm @ 0.10 quintal/sqm =2.40 tonne Portland Cement	tonne	2.40	4940.00	11856.00
2209	Carriage of Cement	tonne	2.40	92.24	221.38
0025	Hire and running charges of light crane	day	1.00	3000.00	3000.00
1005	Reinforcement @220 kg/cum 164.4x220kg/cum=36168 kg Extra reinforcement for hooks @ 5% of cage 1808.4 kg Total=1808.4 kg=18.084 qtl Twisted steel/ deformed bars Extra for welding reinforcement cage Reinforcement @ 200 C/C 2 x 101 x 61 = 6161 joints Welding for alternate joint say 50 % joints 6161 cm	quintal	18.084	4600.00	83186.40
10.22	Rate as per Item No.10.22 of SH: STEEL WORK	cm	6161.00	3.35	20639.35 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Labour for grouting diaphragm wall under pressure i/c fixing nozzle etc Add for use retarders / plasticizers for the diaphragm wall concreting using trimme @ 0.4 % cement qty = $(164.4 \times 420 \times 0.4)/100=276.1$	L.S.	23530.00	2.00	47060.00
7318	Plasticizer / super plasticizer	kilogram	276.19	36.00	9942.84
8954	Stop end tubes for diaphragm wall 600 mm dia.	sqm	240.00	4.50	1080.00
8955	Driving end tubes for diaphragm wall 600 mm dia.	sqm	240.00	72.00	17280.00
0026	Hire and running charges of bentonite pump	day	2.00	3500.00	7000.00
	Bentonite powder @ 6% of R.C.C. Qty = $(164.4 \text{ Cum} \times 0.06)=9.864 \text{ cum}$ $9.864 \text{ cum} \times 1400 \text{ kg/cum} = 13809.6 \text{ kg}$ Disposal of bentonite muck Slurry / Muck vol. 49.32 cum Disposal of bentonite muck Slurry / Muck vol. 49.32 cum Add excavated earth = 144.00 cum Total= $144.00 + 49.32 = 193.32 \text{ cum}$				
15.60	Rate as per Item No.15.60 of SH: DISMANTLING & DEMOLISHING Disposal of Chipping / Dismantling of contaminated concrete and guide wall etc. with all leads as per item no. 15.3 = $2 \times (20 \times 0.50 \times 0.60) + 15.00 \text{ cum} = 20.40 \text{ cum}$	cum	193.32	138.85	26842.48 A
15.3	Rate as per Item No.15.3 of SH: DISMANTLING & DEMOLISHING	cum	20.40	2534.70	51707.88 A
9999	Sundries (Extra for concreting by Trimme)	L.S.	1177.00	2.00	2354.00
9999	Sundries (Design Charges)	L.S.	19200.00	2.00	38400.00
	TOTAL				2187510.74 W
	Add 1 % Water charges on "W-A"				6083.44
	TOTAL				2193594.19 X
	Add GST on "X-A" (multiplying factor 0.1405)				86327.09
	TOTAL				2279921.27 Y
	Add 15% CPOH on "Y-A"				105113.21
	TOTAL				2385034.48 Z
	Add Cess @ 1% on "Z-A"				8058.68
	Cost of 144.0 cum				2393093.16
	Cost of 1 cum				16618.70
	Say				16618.70

SUB HEAD : 6.0
MASONRY WORK

6.1 Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:
6.1.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4500.00	2223.00
2201	Carriage of Bricks Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.494	276.72	136.70
3.9	Rate as per item No 3.9 of SH: Mortar	cum	0.25	4010.35	1002.59
9999	Sundries LABOUR	L.S.	2.73	2.00	5.46
0123	Mason (brick layer) 1st class	day	0.36	738.00	265.68
0124	Mason (brick layer) 2nd class	day	0.36	679.00	244.44
0115	Coolie	day	1.37	558.00	764.46
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				4765.73 W
	Add 1 % Water charges on "W"				47.66
	TOTAL				4813.38 X
	Add GST on "X" (multiplying factor 0.1405)				676.28
	TOTAL				5489.66 Y
	Add 15% CPOH on "Y"				823.45
	TOTAL				6313.11 Z
	Add Cess @ 1% on "Z"				63.13
	Cost of 1 Cum.				6376.25
	Say				6376.25

6.1.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4500.00	2223.00
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand) (Rate as per item No 3.11)	1000 Nos	0.494	276.72	136.70
3.11	Rate as per Item No.3.11 of SH: Mortar	cum	0.25	3356.15	839.04
9999	Sundries LABOUR	L.S.	2.73	2.00	5.46
0123	Mason (brick layer) 1st class	day	0.36	738.00	265.68
0124	Mason (brick layer) 2nd class	day	0.36	679.00	244.44
0115	Coolie	day	1.37	558.00	764.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				4602.18 W
	Add 1 % Water charges on "W"				46.02
	TOTAL				4648.20 X
	Add GST on "X" (multiplying factor 0.1405)				653.07
	TOTAL				5301.27 Y
	Add 15% CPOH on "Y"				795.19
	TOTAL				6096.46 Z
	Add Cess @ 1% on "Z"				60.96
	Cost of 1 Cum.				6157.43
	Say				6157.45

6.2 Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:

6.2.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	0.487	4000.00	1948.00
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per item No 3.9 of SH: Mortar	cum	0.22	4010.35	882.28
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	738.00	243.54
0124	Mason (brick layer) 2nd class	day	0.33	679.00	224.07
0115	Coolie	day	1.00	558.00	558.00
0101	Bhisti	day	0.18	617.00	111.06
	TOTAL				4107.17 W
	Add 1 % Water charges on "W"				41.07
	TOTAL				4148.24 X
	Add GST on "X" (multiplying factor 0.1405)				582.83
	TOTAL				4731.07 Y
	Add 15% CPOH on "Y"				709.66
	TOTAL				5440.73 Z
	Add Cess @ 1% on "Z"				54.41
	Cost of 1 Cum.				5495.14
	Say				5495.15

6.2.2 Cement Mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	0.487	4000.00	1948.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.22	3356.15	738.35
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	738.00	243.54
0124	Mason (brick layer) 2nd class	day	0.33	679.00	224.07
0115	Coolie	day	1.00	558.00	558.00
0101	Bhisti	day	0.18	617.00	111.06
	TOTAL				3963.25 W
	Add 1 % Water charges on "W"				39.63
	TOTAL				4002.88 X
	Add GST on "X" (multiplying factor 0.1405)				562.40
	TOTAL				4565.28 Y
	Add 15% CPOH on "Y"				684.79
	TOTAL				5250.07 Z
	Add Cess @ 1% on "Z"				52.50
	Cost of 1 Cum.				5302.58
	Say				5302.60

6.3 Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :

6.3.1 With F.P.S.(non modular) bricks

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	4700.00	2321.80
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.25	3356.15	839.04
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	738.00	346.86
0124	Mason (brick layer) 2nd class	day	0.47	679.00	319.13
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
9999	Scaffolding	L.S.	22.36	2.00	44.72
	Extra labour element required for lifting of materials (above floor two level upto floor five level)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				5772.05 W
	Add 1 % Water charges on "W"				57.72
	TOTAL				5829.77 X
	Add GST on "X" (multiplying factor 0.1405)				819.08
	TOTAL				6648.85 Y
	Add 15% CPOH on "Y"				997.33
	TOTAL				7646.18 Z
	Add Cess @ 1% on "Z"				76.46
	Cost of 1 Cum.				7722.64
	Say				7722.65

6.3.2 With Modular bricks

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7902	Details of cost for 1 cum MATERIAL				
	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	0.487	5200.00	2532.40
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.22	3356.15	738.35
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.44	738.00	324.72
0124	Mason (brick layer) 2nd class	day	0.44	679.00	298.76
0115	Coolie	day	1.43	558.00	797.94
0101	Bhisti	day	0.18	617.00	111.06
9999	Scaffolding	L.S.	16.38	2.00	32.76
	Extra labour element required for lifting of materials (above floor two level upto floor five level)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				5606.76 W
	Add 1 % Water charges on "W"				56.07
	TOTAL				5662.82 X
	Add GST on "X" (multiplying factor 0.1405)				795.63
	TOTAL				6458.45 Y
	Add 15% CPOH on "Y"				968.77
	TOTAL				7427.22 Z
	Add Cess @ 1% on "Z"				74.27
	Cost of 1 Cum.				7501.49
	Say				7501.50

6.4 Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :

6.4.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.494	4500.00	2223.00
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.25	4010.35	1002.59
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
9999	Sundries LABOUR	L.S.	2.73	2.00	5.46
0123	Mason (brick layer) 1st class	day	0.47	738.00	346.86
0124	Mason (brick layer) 2nd class	day	0.47	679.00	319.13
	Extra labour element required for lifting of materials (above floor two level upto floor five level)"				
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
9999	Scaffolding	L.S.	22.36	2.00	44.72
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				5836.80 W
	Add 1 % Water charges on "W"				58.37
	TOTAL				5895.17 X
	Add GST on "X" (multiplying factor 0.1405)				828.27
	TOTAL				6723.44 Y
	Add 15% CPOH on "Y"				1008.52
	TOTAL				7731.95 Z
	Add Cess @ 1% on "Z"				77.32
	Cost of 1 Cum.				7809.27
	Say				7809.25

6.4.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 6	1000 Nos	0.494	4500.00	2223.00
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3356.15	839.04
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
9999	Sundries LABOUR	L.S.	2.73	2.00	5.46
0123	Mason (brick layer) 1st class	day	0.47	738.00	346.86
0124	Mason (brick layer) 2nd class	day	0.47	679.00	319.13

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
9999	Scaffolding	L.S.	22.36	2.00	44.72
	Extra labour element required for lifting of materials (above floor two level upto floor five level)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				5673.25 W
	Add 1 % Water charges on "W"				56.73
	TOTAL				5729.98 X
	Add GST on "X" (multiplying factor 0.1405)				805.06
	TOTAL				6535.04 Y
	Add 15% CPOH on "Y"				980.26
	TOTAL				7515.30 Z
	Add Cess @ 1% on "Z"				75.15
	Cost of 1 Cum.				7590.45
	Say				7590.45

6.5 Extra for brick work / AAC block masonry / Tile brick masonry in superstructure above floor V level, for each four floors or part thereof by mechanical means.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0037	Details of cost for 5.3 cum per four floors .				
	Mobile crane	day	0.125	7500.00	937.50
	TOTAL				937.50 W
	Add 1 % Water charges on "W"				9.38
	TOTAL				946.88 X
	Add GST on "X" (multiplying factor 0.1405)				133.04
	TOTAL				1079.91 Y
	Add 15% CPOH on "Y"				161.99
	TOTAL				1241.90 Z
	Add Cess @ 1% on "Z"				12.42
	Cost of 5.3 Cum.				1254.32
	Cost for 1 cum				236.66
	Say				236.65

6.6 Extra for forming cavity 5 cm to 11.5 cm wide in cavity walls with necessary weep and vent holes including use of cores and cost of providing and fixing bitumastic coated M .S. ties 300 mm long of 25x3 mm section at not less than 3 ties per sqm as per approved design.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1008	Details of cost for 10sqm. MATERIAL Mild steel 25mmx3mm section 30cm long 30 No. = 9 metres @ 0.6kg/m = 5.40 kg Flats upto 10 mm in thickness	quintal	0.054	4500.00	243.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Painting the steel Bitumen	L.S.	13.52	2.00	27.04
2205	Carriage of Steel	tonne	0.005	92.24	0.46
	Extra labour for keeping cavity clear and fixing wall ties and delay caused:				
0123	Mason (brick layer) 1st class	day	0.37	738.00	273.06
0124	Mason (brick layer) 2nd class	day	0.37	679.00	251.23
0114	Beldar	day	0.92	558.00	513.36
9999	Add for use of Core	L.S.	4.55	2.00	9.10
	TOTAL				1317.25 W
	Add 1 % Water charges on "W"				13.17
	TOTAL				1330.42 X
	Add GST on "X" (multiplying factor 0.1405)				186.92
	TOTAL				1517.35 Y
	Add 15% CPOH on "Y"				227.60
	TOTAL				1744.95 Z
	Add Cess @ 1% on "Z"				17.45
	Cost for 10 sqm.				1762.40
	Cost for 1 sqm.				176.24
	Say				176.25

6.7 Providing half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in cement mortar 1:3 (1 Cement : 3 coarse sand) in superstructure for closing cavity 5 to 7.5 cm wide in cavity wall complete with 10cm / 11.4 cm wide bitumen felt type 3 grade 1.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6.12.1	Details of cost for 10m length MATERIAL Half brick masonry 1:3 (Average) 1x10x0.27 = 2.7 Rate as per item No. 6.12.1 of SH: Brick Work Bitumen felt type- 3 grade 1 1x10mx11.4m = 1.14 sqm. Add for wastage and overlapping @ 5% = 0.06 sqm. Total = 1.20 sqm	sqm	2.70	798.25	2155.28 A
0322	Bitumen felt :Type 3 grade 1 LABOUR	sqm	1.20	70.00	84.00
0123	Mason (brick layer) 1st class	day	0.12	738.00	88.56
0124	Mason (brick layer) 2nd class	day	0.12	679.00	81.48
0114	Beldar	day	0.06	558.00	33.48
	TOTAL				2442.80 W
	Add 1 % Water charges on "W-A"				2.88
	TOTAL				2445.67 X
	Add GST on "X-A" (multiplying factor 0.1405)				40.80
	TOTAL				2486.47 Y
	Add 15% CPOH on "Y-A"				49.68
	TOTAL				2536.15 Z
	Add Cess @ 1% on "Z-A"				3.81
	Cost of 10 metre				2539.96
	Cost for 1 metre				254.00
	Say				254.00

6.8 Brick work 7 cm thick with common burnt clay F.P.S. (non modular) brick of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth level and upto floor five level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm.				
2602	MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.377	4500.00	1696.50
3.8	Cement mortar 1:3 Rate as per Item Number 3.8 of				
	SH: Mortars	cum	0.181	4664.55	844.28
2201	Carriage of Bricks	1000 Nos	0.377	276.72	104.32
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.72	738.00	531.36
0124	Mason (brick layer) 2nd class	day	0.72	679.00	488.88
0115	Coolie	day	1.76	558.00	982.08
0101	Bhisti	day	0.36	617.00	222.12
9999	Sundries and scaffolding	L.S.	7.15	2.00	14.30
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.29	558.00	719.82
	TOTAL				5603.67 W
	Add 1 % Water charges on "W"				56.04
	TOTAL				5659.70 X
	Add GST on "X" (multiplying factor 0.1405)				795.19
	TOTAL				6454.89 Y
	Add 15% CPOH on "Y"				968.23
	TOTAL				7423.13 Z
	Add Cess @ 1% on "Z"				74.23
	Cost for 10 sqm.				7497.36
	Cost for 1 sqm.				749.74
	Say				749.75

6.9 Brick work in plain arches in superstructure above plinth level and upto floor five level including centering and shuttering complete for span up to 6 metres with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
2602	MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4500.00	2223.00
3.8	Cement mortar 1:3 Rate as per Item Number 3.8 of				
	SH: Mortars	cum	0.25	4664.55	1166.14
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries Centring and shuttering Taking a semi circular arch 3.6m span, 3.6m long and 0.40m thick Area of centering = 3.142 x 1.8 x 3.6 = 20.37 sqm. Brick work in Arch = 3.142x2.00x 0.4x3.6 = 9.05cum. Area per cum = 20.37/9.05 = 2.25 sqm	L.S.	2.73	2.00	5.46
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	1713.20	3854.70 A
9999	Scaffolding LABOUR	L.S.	18.85	2.00	37.70
0123	Mason (brick layer) 1st class	day	0.53	738.00	391.14
0124	Mason (brick layer) 2nd class	day	0.53	679.00	359.87
0115	Coolie	day	2.29	558.00	1277.82
0101	Bhisti	day	0.20	617.00	123.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				10206.47 W
	Add 1 % Water charges on "W-A"				63.52
	TOTAL				10269.98 X
	Add GST on "X-A" (multiplying factor 0.1405)				901.35
	TOTAL				11171.33 Y
	Add 15% CPOH on "Y-A"				1097.49
	TOTAL				12268.83 Z
	Add Cess @ 1% on "Z-A"				84.14
	Cost for 1 cum.				12352.97
	Say				12352.95

6.10 Brick work in gauged arches in superstructure above plinth level and upto floor five level in cement mortar 1:3 (1 cement : 3 coarse sand) including centering and shuttering complete, for span up to 6 meters with common burnt clay F.P.S. (non modular) bricks of class designation 7.5.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.538	4500.00	2421.00
3.8	Cement mortar 1:3 Rate as per Item Number 3.8 of SH: Mortars	cum	0.25	4664.55	1166.14
2201	Carriage of Bricks	1000 Nos	0.538	276.72	148.88
9999	Sundries	L.S.	2.73	2.00	5.46
	Centring and shuttering (Area same as in item No. 6.9)				
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	1713.20	3854.70 A
9999	Scaffolding	L.S.	18.85	2.00	37.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	LABOUR Mason (brick layer) 1st class	day	1.13	738.00	833.94
0124	Mason (brick layer) 2nd class	day	1.13	679.00	767.27
0115	Coolie	day	4.42	558.00	2466.36
0101	Bhisti	day	0.20	617.00	123.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				12455.38 W
	Add 1 % Water charges on "W-A"				86.01
	TOTAL				12541.39 X
	Add GST on "X-A" (multiplying factor 0.1405)				1220.48
	TOTAL				13761.87 Y
	Add 15% CPOH on "Y-A"				1486.08
	TOTAL				15247.95 Z
	Add Cess @ 1% on "Z-A"				113.93
	Cost for 1 cum.				15361.88
	Say				15361.90

6.11 Extra for additional cost of centering for arches exceeding 6m span including all shuttering, bolting, wedging and removal (Area of the soffit to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 33.31 sqm MATERIAL Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m $2R-2=4+4$ $\tan^{-1} (4/3)=53.28^\circ$ $2 \times 53.28^\circ = 106^\circ$ Surface area $= 2 \times 22/7 \times 5 \times 3.6 \times 106/360 = 33.3 \text{sqm.}$ Arc = 9.25m MATERIAL Tie- $2 \times 8 \times 0.18 \times 0.05 = 0.144 \text{cum}$ Struts- $2 \times 2.5 \times 0.1 \times 0.1 = 0.050 \text{cum.}$ Struts- $2 \times 1.77 \times 0.1 \times 0.1 = 0.035 \text{cum.}$ Ribs- $6 \times 1.54 \times 0.23 \times 0.1 = 0.213 \text{cum.}$ Struts- $2 \times 1.72 \times 0.1 \times 0.1 = 0.034 \text{cum.}$ Total = 0.476 cum. For four such frames $= 0.476 \times 4 = 1.904 \text{ cum.}$ laggings- $75 \times 3.6 \times 0.125 \times 0.075 = 2.531 \text{cum.}$ Tie- $2 \times 3.6 \times 0.225 \times 0.038 = 0.062 \text{cum.}$ Brace- $3 \times 2 \times 2.14 \times 0.225 \times 0.038 = 0.110$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Brace- $3 \times 4 \times 3.8 \times 0.225 \times 0.038 = 0.390$				
	Sleepers- $4 \times 3.6 \times 0.20 \times 0.15 = 0.432$				
	Sleepers- $2 \times 4 \times 3.6 \times 0.175 \times 0.075 = 0.378$				
	Vertical post- $4 \times 4 \times 3.6 \times 0.15 \times 0.15 = 1.296$				
	Total = 7.103cum.				
	Qty taken as 1/8th of qty for cost of using once = $7.103/8 = 0.8885$ cum (887.90 cudm)				
2204	Second class kail wood in scantling	10 cudm	88.79	260.00	23085.40
	Carriage of Timber	cum	0.8879	118.59	105.30
	Fittings: 3 way straps 50mmx10mm = 32 Nos. 32 no. @0.50cm each = 16m Straps-50mmx10mm = 8 Nos. @ 0.25cm each = 2m Total = 18m @ 3.9kg/m = 70.2 kg. = 0.702qtl.				
1225	Qty taken 1/8th of qty for cost using once = $0.702/8 = 0.0878$ qtl. Mild steel flat strap fitting	quintal	0.0878	4120.00	361.74
	Bolts 160 Nos. 254 mm long 16mm dia.- $160 \times 0.254 \times 1.58 = 64.21$ kg = 0.64qtl.				
1034	Qty taken 1/8th of qty for cost using once = $0.64/8 = 0.08$ qtl Bolts and nuts upto 300 mm in length	quintal	0.08	4800.00	384.00
	Carriage of steel = 0.1342 t Qty taken 1/8th of qty for cost using once = $0.1342/8 = 0.0168$ tonne				
2302	Carriage of G.I.sheet and accessories	tonne	0.0168	92.24	1.55
	LABOUR				
0112	Carpenter 2nd class	day	28.00	679.00	19012.00
0114	Beldar	day	24.00	558.00	13392.00
9999	Sundries	L.S.	134.55	2.00	269.10
	Less Cost of shuttering etc. for an arch upto 6 m span i.e. for an average of 8 m span				
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	-33.31	1713.20	-57066.69 A
	TOTAL				-455.61 W
	Add 1 % Water charges on "W-A"				566.11
	TOTAL				110.50 X
	Add GST on "X-A" (multiplying factor 0.1405)				8033.40
	TOTAL				8143.90 Y
	Add 15% CPOH on "Y-A"				9781.59
	TOTAL				17925.48 Z
	Add Cess @ 1% on "Z-A"				749.92
	Cost of 33.31sqm.				18675.41
	Cost per sqm				560.65
	Say				560.65

6.12 Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :
6.12.1 Cement mortar 1:3 (1 cement : 3 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1:3	1000 Nos	0.565	4500.00	2542.50
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand) (Rate as per item No 3.8)	cum	0.28	4664.55	1306.07
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.35
9999	Sundries & Scaffolding	L.S.	13.52	2.00	27.04
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.45	738.00	332.10
0124	Mason (brick layer) 2nd class	day	0.45	679.00	305.55
0115	Coolie	day	1.55	558.00	864.90
0101	Bhisti	day	0.70	617.00	431.90
	TOTAL				5966.41 W
	Add 1 % Water charges on "W"				59.66
	TOTAL				6026.07 X
	Add GST on "X" (multiplying factor 0.1405)				846.66
	TOTAL				6872.74 Y
	Add 15% CPOH on "Y"				1030.91
	TOTAL				7903.65 Z
	Add Cess @ 1% on "Z"				79.04
	Cost for 10 sqm.				7982.69
	Cost for 1 sqm.				798.27
	Say				798.25

6.12.2 cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 4	1000 Nos	0.565	4500.00	2542.50
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) (Rate as per item No 3.9)	cum	0.28	4010.35	1122.90
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.35
9999	Sundries & Scaffolding	L.S.	13.52	2.00	27.04
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.45	738.00	332.10
0124	Mason (brick layer) 2nd class	day	0.45	679.00	305.55
0115	Coolie	day	1.55	558.00	864.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.70	617.00	431.90
	TOTAL				5783.23 W
	Add 1 % Water charges on "W"				57.83
	TOTAL				5841.07 X
	Add GST on "X" (multiplying factor 0.1405)				820.67
	TOTAL				6661.74 Y
	Add 15% CPOH on "Y"				999.26
	TOTAL				7661.00 Z
	Add Cess @ 1% on "Z"				76.61
	Cost for 10 sqm.				7737.61
	Cost for 1 sqm.				773.76
	Say				773.75

6.13 Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.

6.13.1 Cement mortar 1:3 (1 cement :3 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1:3	1000 Nos	0.565	4500.00	2542.50
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.28	4664.55	1306.07
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.35
9999	Sundries & Scaffolding	L.S.	13.52	2.00	27.04
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	738.00	442.80
0124	Mason (brick layer) 2nd class	day	0.60	679.00	407.40
0115	Coolie	day	2.00	558.00	1116.00
0101	Bhisti	day	0.70	617.00	431.90
	Extra labour for lifting materials:				
0115	Coolie	day	1.29	558.00	719.82
	10 x 0.115 x1.13				
	TOTAL				7149.88 W
	Add 1 % Water charges on "W"				71.50
	TOTAL				7221.38 X
	Add GST on "X" (multiplying factor 0.1405)				1014.60
	TOTAL				8235.98 Y
	Add 15% CPOH on "Y"				1235.40
	TOTAL				9471.38 Z
	Add Cess @ 1% on "Z"				94.71
	Cost for 10 sqm.				9566.09
	Cost for 1 sqm.				956.61
	Say				956.60

6.13.2 Cement mortar 1:4 (1 cement :4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 4	1000 Nos	0.565	4500.00	2542.50
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.28	4010.35	1122.90
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.35
9999	Sundries & Scaffolding LABOUR	L.S.	13.52	2.00	27.04
0123	Mason (brick layer) 1st class	day	0.60	738.00	442.80
0124	Mason (brick layer) 2nd class	day	0.60	679.00	407.40
0115	Coolie	day	2.00	558.00	1116.00
0101	Bhisti	day	0.70	617.00	431.90
0115	Extra labour for lifting materials: Coolie 10 x 0.115 x 1.13	day	1.29	558.00	719.82
	TOTAL				6966.70 W
	Add 1 % Water charges on "W"				69.67
	TOTAL				7036.37 X
	Add GST on "X" (multiplying factor 0.1405)				988.61
	TOTAL				8024.98 Y
	Add 15% CPOH on "Y"				1203.75
	TOTAL				9228.73 Z
	Add Cess @ 1% on "Z"				92.29
	Cost for 10 sqm.				9321.02
	Cost for 1 sqm.				932.10
	Say				932.10

6.14 Extra for half brick masonry in superstructure, above floor V level for every four floors or part thereof by mechanical means.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0037	Details of cost for 59.83 sqm per four floors . Mobile crane	day	0.125	7500.00	937.50
	TOTAL				937.50 W
	Add 1 % Water charges on "W"				9.38
	TOTAL				946.88 X
	Add GST on "X" (multiplying factor 0.1405)				133.04
	TOTAL				1079.91 Y
	Add 15% CPOH on "Y"				161.99
	TOTAL				1241.90 Z
	Add Cess @ 1% on "Z"				12.42
	Cost of 59.83 sqm.				1254.32
	Cost for 1 sqm				20.96
	Say				20.95

6.15 Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. 6mm dia. M.S. bars (round) 2 Nos. @ 30 meter/10sqm. = 60 metre @ 0.22kg/m = 13.2 kg				
1002	Mild steel round bar 6 mm dia	quintal	0.132	4500.00	594.00
2205	Carriage of Steel	tonne	0.0132	92.24	1.22
9999	Sundries	L.S.	1.82	2.00	3.64
	TOTAL				598.86 W
	Add 1 % Water charges on "W"				5.99
	TOTAL				604.85 X
	Add GST on "X" (multiplying factor 0.1405)				84.98
	TOTAL				689.83 Y
	Add 15% CPOH on "Y"				103.47
	TOTAL				793.30 Z
	Add Cess @ 1% on "Z"				7.93
	Cost for 10 sqm.				801.23
	Cost for 1 sqm.				80.12
	Say				80.10

6.16 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in foundation and plinth in:

6.16.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
1984	Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.777	4500.00	3496.50
	Cement mortar 1 : 4				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.40	4010.35	1604.14
2207	Carriage of Brick tiles	1000 Nos	0.777	166.03	129.01
9999	Sundries	L.S.	4.55	2.00	9.10
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.70	738.00	516.60
0124	Mason (brick layer) 2nd class	day	0.70	679.00	475.30
0115	Coolie	day	1.54	558.00	859.32
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				7213.37 W
	Add 1 % Water charges on "W"				72.13
	TOTAL				7285.50 X
	Add GST on "X" (multiplying factor 0.1405)				1023.61
	TOTAL				8309.11 Y
	Add 15% CPOH on "Y"				1246.37
	TOTAL				9555.48 Z
	Add Cess @ 1% on "Z"				95.55
	Cost for 1 cum.				9651.03
	Say				9651.05

6.16.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.777	4500.00	3496.50
3.11	Cement mortar 1 : 6 Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3356.15	1342.46
2207	Carriage of Brick tiles	1000 Nos	0.777	166.03	129.01
9999	Sundries LABOUR	L.S.	4.55	2.00	9.10
0123	Mason (brick layer) 1st class	day	0.70	738.00	516.60
0124	Mason (brick layer) 2nd class	day	0.70	679.00	475.30
0115	Coolie	day	1.54	558.00	859.32
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				6951.69 W
	Add 1 % Water charges on "W"				69.52
	TOTAL				7021.20 X
	Add GST on "X" (multiplying factor 0.1405)				986.48
	TOTAL				8007.68 Y
	Add 15% CPOH on "Y"				1201.15
	TOTAL				9208.83 Z
	Add Cess @ 1% on "Z"				92.09
	Cost for 1 cum.				9300.92
	Say				9300.90

6.17 Tile brick masonry with common burnt clay machine moulded tile bricks of class designation 12.5 conforming to IS : 2690 (Part I) in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7904	Details of cost for 1 cum. MATERIAL Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	0.777	4900.00	3807.30
2207	Carriage of Brick tiles	1000 Nos	0.777	166.03	129.01
	Cement mortar 1 : 6				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3356.15	1342.46
9999	Sundries LABOUR	L.S.	4.55	2.00	9.10
0123	Mason (brick layer) 1st class	day	0.70	738.00	516.60
0124	Mason (brick layer) 2nd class	day	0.70	679.00	475.30
0115	Coolie	day	1.54	558.00	859.32

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				7262.49 W
	Add 1 % Water charges on "W"				72.62
	TOTAL				7335.11 X
	Add GST on "X" (multiplying factor 0.1405)				1030.58
	TOTAL				8365.69 Y
	Add 15% CPOH on "Y"				1254.85
	TOTAL				9620.55 Z
	Add Cess @ 1% on "Z"				96.21
	Cost of 1 Cum.				9716.75
	Say				9716.75

6.18 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in superstructure above plinth level up to floor V level in cement mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.777	4500.00	3496.50
2207	Carriage of Brick tiles	1000 Nos	0.777	166.03	129.01
3.11	Cement mortar 1 : 6 Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3356.15	1342.46
9999	Sundries	L.S.	4.55	2.00	9.10
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.90	738.00	664.20
0124	Mason (brick layer) 2nd class	day	0.90	679.00	611.10
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
	Extra labour for lifting of materials				
0115	Coolie	day	1.13	558.00	630.54
9999	Scaffolding	L.S.	33.80	2.00	67.60
	TOTAL				8078.31 W
	Add 1 % Water charges on "W"				80.78
	TOTAL				8159.09 X
	Add GST on "X" (multiplying factor 0.1405)				1146.35
	TOTAL				9305.44 Y
	Add 15% CPOH on "Y"				1395.82
	TOTAL				10701.26 Z
	Add Cess @ 1% on "Z"				107.01
	Cost of 1 Cum.				10808.27
	Say				10808.25

6.20 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in plain arch work in superstructure above plinth and upto floor five level in cement mortar 1:4 (1 cement : 4 coarse sand) including centering and shuttering complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.777	4500.00	3496.50
2207	Carriage of Brick tiles Cement mortar 1 : 4	1000 Nos	0.777	166.03	129.01
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.35	4010.35	1403.62
9999	Sundries Centering and shuttering, area same as in item no. 6.9	L.S.	5.46	2.00	10.92
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	1713.20	3854.70 A
9999	Scaffolding LABOUR	L.S.	18.85	2.00	37.70
0123	Mason (brick layer) 1st class	day	0.79	738.00	583.02
0124	Mason (brick layer) 2nd class	day	0.79	679.00	536.41
0115	Coolie	day	3.21	558.00	1791.18
0101	Bhisti	day	0.20	617.00	123.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				12597.00 W
	Add 1 % Water charges on "W-A"				87.42
	TOTAL				12684.42 X
	Add GST on "X-A" (multiplying factor 0.1405)				1240.58
	TOTAL				13925.00 Y
	Add 15% CPOH on "Y-A"				1510.54
	TOTAL				15435.54 Z
	Add Cess @ 1% on "Z-A"				115.81
	Cost for 1 cum.				15551.35
	Say				15551.35

6.21 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in gauged arch work in superstructure above plinth and upto floor five level in cement mortar 1:4 (1 cement : 4 coarse sand) including centering and shuttering complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.791	4500.00	3559.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2207	Carriage of Brick tiles	1000 Nos	0.791	166.03	131.33
3.9	Cement mortar 1 : 4				
	Rate as per Item Number 3.9 of				
	SH: Mortars	cum	0.35	4010.35	1403.62
9999	Sundries and shuttering	L.S.	5.46	2.00	10.92
	Centering and shuttering, area same as in item no. 6.9				
5.9.9	Rate as per item no 5.9.9 of				
	SH : Reinforced cement concrete work	sqm	2.25	1713.20	3854.70 A
9999	Scaffolding	L.S.	18.85	2.00	37.70
	LABOUR				
0123	Mason (brick layer) 1st class	day	1.50	738.00	1107.00
0124	Mason (brick layer) 2nd class	day	1.50	679.00	1018.50
0115	Coolie	day	5.33	558.00	2974.14
0101	Bhisti	day	0.20	617.00	123.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				14851.35 W
	Add 1 % Water charges on "W-A"				109.97
	TOTAL				14961.32 X
	Add GST on "X-A" (multiplying factor 0.1405)				1560.48
	TOTAL				16521.80 Y
	Add 15% CPOH on "Y-A"				1900.06
	TOTAL				18421.86 Z
	Add Cess @ 1% on "Z-A"				145.67
	Cost for 1 cum.				18567.54
	Say				18567.55

6.22 Tile brick masonry work 5 cm thick with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth and upto floor five level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1984	Details of cost for 10 sqm. Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.377	4500.00	1696.50
2207	Carriage of Brick tiles	1000 Nos	0.377	166.03	62.59
	Cement mortar 1:3				
3.8	Rate as per Item Number 3.8 of				
	SH: Mortars	cum	0.15	4664.55	699.68
9999	Sundries and scaffolding	L.S.	8.06	2.00	16.12
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.94	738.00	693.72
0124	Mason (brick layer) 2nd class	day	0.94	679.00	638.26
0115	Coolie	day	1.88	558.00	1049.04
0101	Bhisti	day	0.33	617.00	203.61
	Extra labour for lifting of material (above floor two level up to floor five level)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.29	558.00	719.82
	TOTAL				5779.35 W
	Add 1 % Water charges on "W"				57.79
	TOTAL				5837.14 X
	Add GST on "X" (multiplying factor 0.1405)				820.12
	TOTAL				6657.26 Y
	Add 15% CPOH on "Y"				998.59
	TOTAL				7655.85 Z
	Add Cess @ 1% on "Z"				76.56
	Cost of 10 Sqm.				7732.40
	Cost per sqm.				773.24
	Say				773.25

6.23 Honey-comb brick work 10 / 11.4 cm thick with common burnt clay bricks of class designation 7.5 in super structure above plinth level upto floor V level with cement mortar 1:4 (1 cement : 4 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1sqm. of Honey comb brick works-				
	MATERIAL				
	Brick work, with bricks of class designation 75, in cement mortar 1:4 (1 Cement : 4 Coarse sand) in superstructure				
	1 m x 1 x 0.143 m x 4.5/7.5 = 0.069 cum				
6.4.1	Rate as per item No 6.4.1 of SH :- Brick work.	cum	0.069	7809.25	538.84 A
9999	Extra for delay due to fine work	L.S.	20.67	2.00	41.34
	TOTAL				580.18 W
	Add 1 % Water charges on "W-A"				0.41
	TOTAL				580.59 X
	Add GST on "X-A" (multiplying factor 0.1405)				5.87
	TOTAL				586.46 Y
	Add 15% CPOH on "Y-A"				7.14
	TOTAL				593.60 Z
	Add Cess @ 1% on "Z-A"				0.55
	Cost for 1 sqm.				594.15
	Say				594.15

- 6.24 Extra for laying brick work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.**
NOTE :- The quantity will be calculated by multiplying the depth measured from sub - soil water level up to the centre of gravity of brick work under sub - soil water with the quantity of brick work in cum. executed under the sub - soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m, 0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0011	Details of cost for depth of water 0.30m depth. Quantity of concrete = 14 cum. pumping hours = 3 hrs. on 0.375 day. Hire charges of Pumpset of capacity 4000 litres/hour.	day	0.375	700.00	262.50
0114	Beldar	day	4.00	558.00	2232.00
	TOTAL				2494.50 W
	Add 1 % Water charges on "W"				24.95
	TOTAL				2519.45 X
	Add GST on "X" (multiplying factor 0.1405)				353.98
	TOTAL				2873.43 Y
	Add 15% CPOH on "Y"				431.01
	TOTAL				3304.44 Z
	Add Cess @ 1% on "Z"				33.04
	Cost of 14cum. per 0.30m depth				3337.49
	Cost of cum. per m depth				794.64
	Say				794.65

6.25 Extra for laying brick work in or under foul position.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for 1 cum. Extra labour due to slow progress- Mason (brick layer) 1st class	day	0.02	738.00	14.76
0124	Mason (brick layer) 2nd class	day	0.02	679.00	13.58
0114	Beldar	day	0.25	558.00	139.50
0115	Coolie	day	0.15	558.00	83.70
	TOTAL				251.54 W
	Add 1 % Water charges on "W"				2.52
	TOTAL				254.06 X
	Add GST on "X" (multiplying factor 0.1405)				35.69
	TOTAL				289.75 Y
	Add 15% CPOH on "Y"				43.46
	TOTAL				333.21 Z
	Add Cess @ 1% on "Z"				3.33
	Cost for 1 cum.				336.54
	Say				336.55

6.26 Brick work with common burnt clay selected F.P.S. (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand)

6.26.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum. Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4500.00	2223.00
2201	Carriage of Bricks Cement mortar 1 : 6	1000 Nos	0.494	276.72	136.70
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3356.15	839.04
9999	Sundries including steel/wooden strips for making grooves. LABOUR For selection of bricks	L.S.	16.38	2.00	32.76
0114	Beldar	day	0.50	558.00	279.00
0123	Mason (brick layer) 1st class	day	0.35	738.00	258.30
0124	Mason (brick layer) 2nd class	day	0.35	679.00	237.65
0115	Coolie	day	1.07	558.00	597.06
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				4726.91 W
	Add 1 % Water charges on "W"				47.27
	TOTAL				4774.18 X
	Add GST on "X" (multiplying factor 0.1405)				670.77
	TOTAL				5444.95 Y
	Add 15% CPOH on "Y"				816.74
	TOTAL				6261.69 Z
	Add Cess @ 1% on "Z"				62.62
	Cost per cum.				6324.31
	Say				6324.30

6.26.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4500.00	2223.00
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.494	276.72	136.70
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3356.15	839.04
9999	Sundries including steel/wooden strips for making grooves. LABOUR For selection of bricks	L.S.	16.38	2.00	32.76
0114	Beldar	day	0.50	558.00	279.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Mason (brick layer) 1st class	day	0.46	738.00	339.48
0124	Mason (brick layer) 2nd class	day	0.46	679.00	312.34
0115	Coolie	day	1.60	558.00	892.80
0101	Bhisti	day	0.20	617.00	123.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
9999	Sundries	L.S.	22.36	2.00	44.72
	TOTAL				5853.78 W
	Add 1 % Water charges on "W"				58.54
	TOTAL				5912.31 X
	Add GST on "X" (multiplying factor 0.1405)				830.68
	TOTAL				6743.00 Y
	Add 15% CPOH on "Y"				1011.45
	TOTAL				7754.44 Z
	Add Cess @ 1% on "Z"				77.54
	Cost per cum.				7831.99
	Say				7832.00

6.27 Brick work with common burnt clay modular bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.27.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	0.487	4000.00	1948.00
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3356.15	738.35
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.00	32.76
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	738.00	243.54
0124	Mason (brick layer) 2nd class	day	0.33	679.00	224.07
0115	Coolie	day	1.00	558.00	558.00
0101	Bhisti	day	0.18	617.00	111.06
	TOTAL				3990.55 W
	Add 1 % Water charges on "W"				39.91
	TOTAL				4030.45 X
	Add GST on "X" (multiplying factor 0.1405)				566.28
	TOTAL				4596.73 Y
	Add 15% CPOH on "Y"				689.51
	TOTAL				5286.24 Z
	Add Cess @ 1% on "Z"				52.86
	Cost of 1 Cum.				5339.10
	Say				5339.10

6.27.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	0.487	4000.00	1948.00
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3356.15	738.35
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.00	32.76
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.44	738.00	324.72
0124	Mason (brick layer) 2nd class	day	0.44	679.00	298.76
0115	Coolie	day	1.43	558.00	797.94
0101	Bhisti	day	0.18	617.00	111.06
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
9999	Sundries	L.S.	22.36	2.00	44.72
	TOTAL				5061.62 W
	Add 1 % Water charges on "W"				50.62
	TOTAL				5112.23 X
	Add GST on "X" (multiplying factor 0.1405)				718.27
	TOTAL				5830.50 Y
	Add 15% CPOH on "Y"				874.58
	TOTAL				6705.08 Z
	Add Cess @ 1% on "Z"				67.05
	Cost of 1 Cum.				6772.13
	Say				6772.15

6.28 Brick work with common burnt clay machine moulded modular bricks of class designation 12.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.28.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	0.487	5000.00	2435.00
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3356.15	738.35
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	2.00	32.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	738.00	243.54
0124	Mason (brick layer) 2nd class	day	0.33	679.00	224.07
0115	Coolie	day	1.00	558.00	558.00
0101	Bhisti	day	0.18	617.00	111.06
	TOTAL				4477.55 W
	Add 1 % Water charges on "W"				44.78
	TOTAL				4522.32 X
	Add GST on "X" (multiplying factor 0.1405)				635.39
	TOTAL				5157.71 Y
	Add 15% CPOH on "Y"				773.66
	TOTAL				5931.36 Z
	Add Cess @ 1% on "Z"				59.31
	Cost per cum.				5990.68
	Say				5990.70

6.28.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	0.487	5000.00	2435.00
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3356.15	738.35
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	2.00	32.76
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.44	738.00	324.72
0124	Mason (brick layer) 2nd class	day	0.44	679.00	298.76
0115	Coolie	day	1.43	558.00	797.94
0101	Bhisti	day	0.18	617.00	111.06
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
9999	Sundries	L.S.	22.36	2.00	44.72
	TOTAL				5548.62 W
	Add 1 % Water charges on "W"				55.49
	TOTAL				5604.10 X
	Add GST on "X" (multiplying factor 0.1405)				787.38
	TOTAL				6391.48 Y
	Add 15% CPOH on "Y"				958.72
	TOTAL				7350.20 Z
	Add Cess @ 1% on "Z"				73.50
	Cost per cum.				7423.70
	Say				7423.70

6.29 Brick work with common burnt clay machine moulded F.P.S. (non modular) bricks of class designation 12.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.29.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
7903	Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	5000.00	2470.00
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3356.15	839.04
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.00	32.76
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.36	738.00	265.68
0124	Mason (brick layer) 2nd class	day	0.36	679.00	244.44
0115	Coolie	day	1.37	558.00	764.46
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				4876.48 W
	Add 1 % Water charges on "W"				48.76
	TOTAL				4925.24 X
	Add GST on "X" (multiplying factor 0.1405)				692.00
	TOTAL				5617.24 Y
	Add 15% CPOH on "Y"				842.59
	TOTAL				6459.82 Z
	Add Cess @ 1% on "Z"				64.60
	Cost of 1 Cum.				6524.42
	Say				6524.40

6.29.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
7903	Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	5000.00	2470.00
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3356.15	839.04
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.00	32.76
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.44	738.00	324.72
0124	Mason (brick layer) 2nd class	day	0.44	679.00	298.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
9999	Sundries	L.S.	22.36	2.00	44.72
	TOTAL				5905.04 W
	Add 1 % Water charges on "W"				59.05
	TOTAL				5964.09 X
	Add GST on "X" (multiplying factor 0.1405)				837.95
	TOTAL				6802.04 Y
	Add 15% CPOH on "Y"				1020.31
	TOTAL				7822.35 Z
	Add Cess @ 1% on "Z"				78.22
	Cost of 1 Cum.				7900.57
	Say				7900.55

6.30 Brick work with common burnt clay machine moulded perforated F.P.S. (non modular) bricks of class designation 12.5 conforming IS : 2222 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.30.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	4700.00	2321.80
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3356.15	839.04
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.00	32.76
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.36	738.00	265.68
0124	Mason (brick layer) 2nd class	day	0.36	679.00	244.44
0115	Coolie	day	1.37	558.00	764.46
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				4728.28 W
	Add 1 % Water charges on "W"				47.28
	TOTAL				4775.56 X
	Add GST on "X" (multiplying factor 0.1405)				670.97
	TOTAL				5446.53 Y
	Add 15% CPOH on "Y"				816.98
	TOTAL				6263.51 Z
	Add Cess @ 1% on "Z"				62.64
	Cost of 1 Cum.				6326.14
	Say				6326.15

6.30.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7901	Details of cost for 1 cum. MATERIAL Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	4700.00	2321.80
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.494	276.72	136.70
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3356.15	839.04
9999	Sundries i/c steel / wooden strips for making grooves LABOUR	L.S.	16.38	2.00	32.76
0123	Mason (brick layer) 1st class	day	0.47	738.00	346.86
0124	Mason (brick layer) 2nd class	day	0.47	679.00	319.13
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
9999	Sundries	L.S.	22.36	2.00	44.72
	TOTAL				5799.35 W
	Add 1 % Water charges on "W"				57.99
	TOTAL				5857.34 X
	Add GST on "X" (multiplying factor 0.1405)				822.96
	TOTAL				6680.30 Y
	Add 15% CPOH on "Y"				1002.04
	TOTAL				7682.34 Z
	Add Cess @ 1% on "Z"				76.82
	Cost of 1 Cum.				7759.16
	Say				7759.15

6.31 Brick work with common burnt clay machine moulded perforated modular bricks of class designation 12.5 conforming to IS : 2222 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.31.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7902	Details of cost for 1 cum. MATERIAL Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	0.487	5200.00	2532.40
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.487	276.72	134.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.11	Cement mortar 1 : 6 (1 cement : 6 coarse sand) (Rate as per item No 3.11)	cum	0.22	3356.15	738.35
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.00	32.76
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	738.00	243.54
0124	Mason (brick layer) 2nd class	day	0.33	679.00	224.07
0115	Coolie	day	1.00	558.00	558.00
0101	Bhisti	day	0.18	617.00	111.06
	TOTAL				4574.95 W
	Add 1 % Water charges on "W"				45.75
	TOTAL				4620.70 X
	Add GST on "X" (multiplying factor 0.1405)				649.21
	TOTAL				5269.90 Y
	Add 15% CPOH on "Y"				790.49
	TOTAL				6060.39 Z
	Add Cess @ 1% on "Z"				60.60
	Cost of 1 Cum.				6120.99
	Say				6121.00

6.31.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	0.487	5200.00	2532.40
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3356.15	738.35
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.00	32.76
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.44	738.00	324.72
0124	Mason (brick layer) 2nd class	day	0.44	679.00	298.76
0115	Coolie	day	1.43	558.00	797.94
0101	Bhisti	day	0.18	617.00	111.06
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	22.36	2.00	44.72
	TOTAL				5646.02 W
	Add 1 % Water charges on "W"				56.46
	TOTAL				5702.48 X
	Add GST on "X" (multiplying factor 0.1405)				801.20
	TOTAL				6503.67 Y
	Add 15% CPOH on "Y"				975.55
	TOTAL				7479.22 Z
	Add Cess @ 1% on "Z"				74.79
	Cost of 1 Cum.				7554.02
	Say				7554.00

6.32 Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in :

6.32.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7008	Details of cost for 1 cum. MATERIAL F.P.S.(non modular) clay fly ash bricks class designation 7.5 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.494	4800.00	2371.20
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.25	4010.35	1002.59
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	738.00	346.86
0124	Mason (brick layer) 2nd class	day	0.47	679.00	319.13
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
9999	Scaffolding	L.S.	8.97	2.00	17.94
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				5958.22 W
	Add 1 % Water charges on "W"				59.58
	TOTAL				6017.80 X
	Add GST on "X" (multiplying factor 0.1405)				845.50
	TOTAL				6863.30 Y
	Add 15% CPOH on "Y"				1029.50
	TOTAL				7892.80 Z
	Add Cess @ 1% on "Z"				78.93
	Cost per cum.				7971.72
	Say				7971.70

6.32.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7008	Details of cost for 1 cum. MATERIAL F.P.S.(non modular) clay fly ash bricks class designation 7.5 Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.494	4800.00	2371.20
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3356.15	839.04
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	738.00	346.86
0124	Mason (brick layer) 2nd class	day	0.47	679.00	319.13
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
9999	Scaffolding	L.S.	8.97	2.00	17.94
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				5794.67 W
	Add 1 % Water charges on "W"				57.95
	TOTAL				5852.61 X
	Add GST on "X" (multiplying factor 0.1405)				822.29
	TOTAL				6674.91 Y
	Add 15% CPOH on "Y"				1001.24
	TOTAL				7676.14 Z
	Add Cess @ 1% on "Z"				76.76
	Cost per cum.				7752.90
	Say				7752.90

6.34 Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :

6.34.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7737	Details of cost for 1 cum. MATERIAL Fly ash bricks conforming to I.S. 12894 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.487	4300.00	2094.10
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4010.35	882.28
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	738.00	346.86
0124	Mason (brick layer) 2nd class	day	0.47	679.00	319.13
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
9999	Scaffolding	L.S.	22.36	2.00	44.72
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				5585.65 W
	Add 1 % Water charges on "W"				55.86
	TOTAL				5641.51 X
	Add GST on "X" (multiplying factor 0.1405)				792.63
	TOTAL				6434.14 Y
	Add 15% CPOH on "Y"				965.12
	TOTAL				7399.26 Z
	Add Cess @ 1% on "Z"				73.99
	Cost per cum.				7473.25
	Say				7473.25

6.34.2 Cement mortar 1:6 (1 cement : 6 Coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
7737	Fly ash bricks conforming to I.S. 12894	1000 Nos	0.487	4300.00	2094.10
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3356.15	738.35
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	738.00	346.86
0124	Mason (brick layer) 2nd class	day	0.47	679.00	319.13
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
9999	Scaffolding	L.S.	22.36	2.00	44.72
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				5441.73 W
	Add 1 % Water charges on "W"				54.42
	TOTAL				5496.14 X
	Add GST on "X" (multiplying factor 0.1405)				772.21
	TOTAL				6268.35 Y
	Add 15% CPOH on "Y"				940.25
	TOTAL				7208.60 Z
	Add Cess @ 1% on "Z"				72.09
	Cost per cum.				7280.69
	Say				7280.70

6.35 Brick work with modular calcium silicate bricks machine moulded conforming to IS:4139, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :

6.35.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7738	Details of cost for 1 cum. MATERIAL Calcium Silicate Bricks machine moulded confirming to I.S. 4139 - 1989	1000 Nos	0.487	5400.00	2629.80
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4010.35	882.28
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	738.00	346.86
0124	Mason (brick layer) 2nd class	day	0.47	679.00	319.13
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
9999	Scaffolding	L.S.	22.36	2.00	44.72
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				6121.35 W
	Add 1 % Water charges on "W"				61.21
	TOTAL				6182.56 X
	Add GST on "X" (multiplying factor 0.1405)				868.65
	TOTAL				7051.21 Y
	Add 15% CPOH on "Y"				1057.68
	TOTAL				8108.90 Z
	Add Cess @ 1% on "Z"				81.09
	Cost per cum.				8189.98
	Say				8190.00

6.35.2 Cement mortar 1:6 (1 cement : 6 Coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7738	Details of cost for 1 cum. MATERIAL Calcium Silicate Bricks machine moulded confirming to I.S. 4139 - 1989 Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.487	5400.00	2629.80
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3356.15	738.35
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	738.00	346.86
0124	Mason (brick layer) 2nd class	day	0.47	679.00	319.13
0115	Coolie	day	1.80	558.00	1004.40
0101	Bhisti	day	0.20	617.00	123.40
9999	Scaffolding	L.S.	22.36	2.00	44.72
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				5977.43 W
	Add 1 % Water charges on "W"				59.77
	TOTAL				6037.20 X
	Add GST on "X" (multiplying factor 0.1405)				848.23
	TOTAL				6885.43 Y
	Add 15% CPOH on "Y"				1032.81
	TOTAL				7918.24 Z
	Add Cess @ 1% on "Z"				79.18
	Cost per cum.				7997.42
	Say				7997.40

6.36 Brick work with modular extruded burnt fly ash clay sewer bricks (Conforming to IS: 4885) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth :

6.36.1 Cement Mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7736	Details of cost for 1 cum. MATERIAL Extruded burnt flyash clay sewer bricks conforming to I.S 4885 - 1988 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.487	5400.00	2629.80
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4010.35	882.28
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	738.00	243.54
0124	Mason (brick layer) 2nd class	day	0.33	679.00	224.07
0115	Coolie	day	1.00	558.00	558.00
0101	Bhisti	day	0.18	617.00	111.06
	TOTAL				4788.97 W
	Add 1 % Water charges on "W"				47.89
	TOTAL				4836.86 X
	Add GST on "X" (multiplying factor 0.1405)				679.58
	TOTAL				5516.44 Y
	Add 15% CPOH on "Y"				827.47
	TOTAL				6343.90 Z
	Add Cess @ 1% on "Z"				63.44
	Cost per cum.				6407.34
	Say				6407.35

6.37 Brick work with modular extruded burnt fly ash clay sewer bricks (conforming to IS : 4885) in arches in foundation and plinth in cement mortar 1:3 (1 cement : 3 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
7736	Extruded burnt flyash clay sewer bricks conforming to I.S 4885 - 1988	1000 Nos	0.487	5400.00	2629.80
	Cement Mortar 1:3 (1 cement : 3 fine sand).				
3.3	Rate as per item no 3.3 SH Mortar	cum	0.25	4183.05	1045.76
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries	L.S.	2.73	2.00	5.46
	Centering and shuttering				
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	1713.20	3854.70 A
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.42	738.00	309.96
0124	Mason (brick layer) 2nd class	day	0.42	679.00	285.18
0115	Coolie	day	1.86	558.00	1037.88
0101	Bhisti	day	0.20	617.00	123.40
	TOTAL				9426.91 W
	Add 1 % Water charges on "W-A"				55.72
	TOTAL				9482.63 X
	Add GST on "X-A" (multiplying factor 0.1405)				790.72
	TOTAL				10273.35 Y
	Add 15% CPOH on "Y-A"				962.80
	TOTAL				11236.15 Z
	Add Cess @ 1% on "Z-A"				73.81
	Cost per cum.				11309.96
	Say				11309.95

- 6.38 Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8655	Details of cost for 1 cum. MATERIAL Autoclaved aerated cement (AAC) blocks. Cement mortar 1 : 4 (1 cement : 4 coarse sand)	cum	1.00	2600.00	2600.00
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.15	4010.35	601.55
2208	Carriage of Lime	cum	1.00	103.77	103.77
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.36	738.00	265.68
0124	Mason (brick layer) 2nd class	day	0.36	679.00	244.44
0115	Coolie	day	1.37	558.00	764.46
0101	Bhisti	day	0.20	617.00	123.40
	Reinforcement bars				
5.22.1	Rate as per item no. 5.22.1 of SH : Reinforced cement concrete work Extra labour element required for lifting of materials (above floor two level upto floor five level)(0.75 x 1.5 =1.13).	kg	13.20	82.10	1083.72 A
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				6423.02 W
	Add 1 % Water charges on "W-A"				53.39
	TOTAL				6476.42 X
	Add GST on "X-A" (multiplying factor 0.1405)				757.67
	TOTAL				7234.09 Y
	Add 15% CPOH on "Y-A"				922.56
	TOTAL				8156.64 Z
	Add Cess @ 1% on "Z-A"				70.73
	Cost of 1 Cum.				8227.37
	Say				8227.35

- 6.40 Providing and laying Gypsum panel partitions 100 mm thick with water proof Gypsum panels of size 666x500x100 mm, made of calcite phosphor Gypsum fixed with tongue and groove, jointed with bonding plaster as per manufacturer's specifications in superstructure above plinth level up to floor V level. Gypsum blocks will have a minimum compressive strength of 9.3 kg/cm²**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8656	Details of cost for 10 sqm MATERIAL Gypsum panel 666 X 500 X 100 mm size.	sqm	10.00	480.00	4800.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8657	Bonding plaster for Gypsum panel.	kg	25.00	25.00	625.00
9999	Sundries & scaffolding	L.S.	13.52	2.00	27.04
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.50	738.00	369.00
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				6379.04 W
	Add 1 % Water charges on "W"				63.79
	TOTAL				6442.83 X
	Add GST on "X" (multiplying factor 0.1405)				905.22
	TOTAL				7348.05 Y
	Add 15% CPOH on "Y"				1102.21
	TOTAL				8450.26 Z
	Add Cess @ 1% on "Z"				84.50
	Cost for 10 sqm				8534.76
	Cost for 1 sqm				853.48
	Say				853.50

6.41 Extra for Gypsum panel Partitions in superstructure above floor V level for every four floors or part thereof.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Details of cost for 10 sqm. per four floor Extra labour element for lifting of materials above floor V level.				
	Coolie	day	1.73	558.00	965.34
	TOTAL				965.34 W
	Add 1 % Water charges on "W"				9.65
	TOTAL				974.99 X
	Add GST on "X" (multiplying factor 0.1405)				136.99
	TOTAL				1111.98 Y
	Add 15% CPOH on "Y"				166.80
	TOTAL				1278.78 Z
	Add Cess @ 1% on "Z"				12.79
	Cost for 10 sqm.				1291.56
	Cost for 1 sqm				129.16
	Say				129.15

6.44 Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10m length Excavation and disposal of surplus earth				
	2nd class bricks = 42 nos. + Add wastage @ 10% = 4.2 nos. Total = 46.2 nos. Say 46.00 nos.	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.046	4500.00	207.00
2201	Carriage of Bricks	1000 Nos	0.046	276.72	12.73
	Cement mortar 1 : 4 (1 cement : 4 fine sand)				
3.4	Rate as per Item Number 3.4 of SH: Mortars	cum	0.0036	3528.85	12.70
	LABOUR				
0155	Mason (average)	day	0.10	709.00	70.90
0114	Beldar	day	0.10	558.00	55.80
0101	Bhisti	day	0.03	617.00	18.51
9999	Sundries	L.S.	2.73	2.00	5.46
	TOTAL				388.56 W
	Add 1 % Water charges on "W"				3.89
	TOTAL				392.45 X
	Add GST on "X" (multiplying factor 0.1405)				55.14
	TOTAL				447.59 Y
	Add 15% CPOH on "Y"				67.14
	TOTAL				514.73 Z
	Add Cess @ 1% on "Z"				5.15
	Cost of 10 metres				519.87
	Cost of 1 metre				51.99
	Say				52.00

6.45 Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level.
6.45.1 Cement mortar 1 : 3 (1 cement : 3 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7737	Details of cost for 10 sqm. MATERIAL				
	Fly ash bricks conforming to I.S. 12894	1000 Nos	0.565	4300.00	2429.50
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.28	4664.55	1306.07
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.35
9999	Sundries & Scaffolding	L.S.	13.52	2.00	27.04
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	738.00	442.80
0124	Mason (brick layer) 2nd class	day	0.60	679.00	407.40
0115	Coolie	day	2.00	558.00	1116.00
0101	Bhisti	day	0.70	617.00	431.90
	Extra labour for lifting of material (above floor two level up to floor five level)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.29	558.00	719.82
	TOTAL				7036.88 W
	Add 1 % Water charges on "W"				70.37
	TOTAL				7107.25 X
	Add GST on "X" (multiplying factor 0.1405)				998.57
	TOTAL				8105.82 Y
	Add 15% CPOH on "Y"				1215.87
	TOTAL				9321.69 Z
	Add Cess @ 1% on "Z"				93.22
	Cost for 10 sqm.				9414.91
	Cost for 1 sqm.				941.49
	Say				941.50

6.45.2 Cement mortar 1 : 4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7737	Details of cost for 10 sqm. MATERIAL Fly ash bricks conforming to I.S. 12894	1000 Nos	0.565	4300.00	2429.50
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.28	4010.35	1122.90
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.35
9999	Sundries & Scaffolding	L.S.	13.52	2.00	27.04
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	738.00	442.80
0124	Mason (brick layer) 2nd class	day	0.60	679.00	407.40
0115	Coolie	day	2.00	558.00	1116.00
0101	Bhisti	day	0.70	617.00	431.90
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.29	558.00	719.82
	TOTAL				6853.70 W
	Add 1 % Water charges on "W"				68.54
	TOTAL				6922.24 X
	Add GST on "X" (multiplying factor 0.1405)				972.57
	TOTAL				7894.82 Y
	Add 15% CPOH on "Y"				1184.22
	TOTAL				9079.04 Z
	Add Cess @ 1% on "Z"				90.79
	Cost for 10 sqm.				9169.83
	Cost for 1 sqm.				916.98
	Say				917.00

- 6.47 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 seperately).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
8655	Autoclaved areated cement (AAC) blocks	cum	1.00	2600.00	2600.00
0357	Polymer modified adhesive mortar	Kg	30.00	15.00	450.00
9999	Sundries	L.S.	2.73	2.00	5.46
	LABOUR				
0123	Mason (brick layer) 1 st class	day	0.36	738.00	265.68
0124	Mason (brick layer) 2nd class	day	0.36	679.00	244.44
0115	Coolie	day	1.37	558.00	764.46
	Extra labour element required for lifting of materials (above floor two level upto floor five level) (0.75x 1.50 = 1.13)				
0115	Coolie	day	1.13	558.00	630.54
	TOTAL				4960.58 W
	Add 1 % Water charges on "W"				49.61
	TOTAL				5010.19 X
	Add GST on "X" (multiplying factor 0.1405)				703.93
	TOTAL				5714.12 Y
	Add 15% CPOH on "Y"				857.12
	TOTAL				6571.23 Z
	Add Cess @ 1% on "Z"				65.71
	Cost of 1 cum				6636.95
	Say				6636.95

SUB HEAD : 7.0
STONE WORK

7.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :

7.1.1 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL				
1157	Stone for masonry work	cum	1.00	1100.00	1100.00
1154	Through and bond stone size 24 x24 x39 cm	100 Nos	0.07	5000.00	350.00
2215	Carriage: Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.00cum. + 0.16 cum. = 1.16 cum. Cement mortar 1 : 6 (1 cement : 6 coarse sand)	cum	1.16	122.08	141.61
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.33	3356.15	1107.53
0125	LABOUR Mason (for plain stone work) 2nd class)	day	1.07	679.00	726.53
0114	Beldar	day	1.07	558.00	597.06
0115	Coolie	day	0.71	558.00	396.18
0101	Bhisti	day	0.09	617.00	55.53
9999	Cement concrete 1:6:12	L.S.	45.76	2.00	91.52
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				4574.80 W
	Add 1 % Water charges on "W"				45.75
	TOTAL				4620.55 X
	Add GST on "X" (multiplying factor 0.1405)				649.19
	TOTAL				5269.74 Y
	Add 15% CPOH on "Y"				790.46
	TOTAL				6060.20 Z
	Add Cess @ 1% on "Z"				60.60
	Cost of 1 cum.				6120.80
	Say				6120.80

7.2 Random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at window sills, ceiling level and the like.

7.2.1 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL				
1157	Stone for masonry work	cum	1.00	1100.00	1100.00
1154	Through and bond stone size 24 x 24 x39 cm	100 Nos	0.07	5000.00	350.00
	Carriage of stone-				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.00cum. + 0.16 cum. = 1.16 cum. Cement mortar 1 : 6 (1 cement : 6 coarse sand)	cum	1.16	122.08	141.61
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.33	3356.15	1061.78
0125	LABOUR				
	Mason (for plain stone work) 2nd class)	day	1.34	679.00	909.86
0114	Beldar	day	1.45	558.00	809.10
0115	Coolie	day	0.71	558.00	396.18
0101	Bhisti	day	0.09	617.00	55.53
9999	Cement concrete 1:6:12	L.S.	56.55	2.00	113.10
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
9999	Sundries	L.S.	15.21	2.00	30.42
	TOTAL				5598.12 W
	Add 1 % Water charges on "W"				55.98
	TOTAL				5654.10 X
	Add GST on "X" (multiplying factor 0.1405)				794.40
	TOTAL				6448.51 Y
	Add 15% CPOH on "Y"				967.28
	TOTAL				7415.78 Z
	Add Cess @ 1% on "Z"				74.16
	Cost of 1 cum.				7489.94
	Say				7489.95

7.4 Extra for random rubble masonry with hard stone in :

7.4.1 Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.58	679.00	393.82
0115	Coolie	day	0.27	558.00	150.66
	TOTAL				544.48 W
	Add 1 % Water charges on "W"				5.44
	TOTAL				549.92 X
	Add GST on "X" (multiplying factor 0.1405)				77.26
	TOTAL				627.19 Y
	Add 15% CPOH on "Y"				94.08
	TOTAL				721.27 Z
	Add Cess @ 1% on "Z"				7.21
	Cost of 1 cum.				728.48
	Say				728.50

7.4.2 Circular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum				
	Stone for masonry work	cum	0.29	1100.00	319.00
2215	Carriage of Soling stone & masonry stone	cum	0.29	122.08	35.40
	LABOUR				
	Labour for cutting and dressing stones-				
0125	Mason (for plain stone work) 2nd class)	day	1.42	679.00	964.18
0115	Coolie	day	0.35	558.00	195.30
	TOTAL				1513.88 W
	Add 1 % Water charges on "W"				15.14
	TOTAL				1529.02 X
	Add GST on "X" (multiplying factor 0.1405)				214.83
	TOTAL				1743.85 Y
	Add 15% CPOH on "Y"				261.58
	TOTAL				2005.43 Z
	Add Cess @ 1% on "Z"				20.05
	Cost of 1 cum				2025.48
	Say				2025.50

7.5 Extra for random rubble masonry with hard stone curved on plan for a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum				
	Stone for masonry work	cum	0.10	1100.00	110.00
2215	Carriage of Soling stone & masonry stone	cum	0.10	122.08	12.21
	LABOUR				
	Labour for cutting and dressing stones-				
0125	Mason (for plain stone work) 2nd class)	day	0.27	679.00	183.33
0115	Coolie	day	0.53	558.00	295.74
	TOTAL				601.28 W
	Add 1 % Water charges on "W"				6.01
	TOTAL				607.29 X
	Add GST on "X" (multiplying factor 0.1405)				85.32
	TOTAL				692.62 Y
	Add 15% CPOH on "Y"				103.89
	TOTAL				796.51 Z
	Add Cess @ 1% on "Z"				7.97
	Cost of 1 cum.				804.47
	Say				804.45

7.6 Coursed rubble masonry (first sort) with hard stone in foundation and plinth with :

7.6.1 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL				
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3356.15	1006.85
1157	Stone for masonry work	cum	1.21	1100.00	1331.00
1154	Through and bond stone size 24 x24 x39 cm	100 Nos	0.07	5000.00	350.00
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.21+0.16=1.37 Cum	cum	1.37	122.08	167.25
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.12	679.00	1439.48
0114	Beldar	day	1.24	558.00	691.92
0115	Coolie	day	0.71	558.00	396.18
0101	Bhisti	day	0.09	617.00	55.53
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				5465.24 W
	Add 1 % Water charges on "W"				54.65
	TOTAL				5519.90 X
	Add GST on "X" (multiplying factor 0.1405)				775.55
	TOTAL				6295.44 Y
	Add 15% CPOH on "Y"				944.32
	TOTAL				7239.76 Z
	Add Cess @ 1% on "Z"				72.40
	Cost of 1 cum.				7312.16
	Say				7312.15

7.7 Coursed rubble masonry (second sort) with hard stone in foundation & plinth with :

7.7.1 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum MATERIAL				
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3356.15	1006.85
1157	Stone for masonry work	cum	1.10	1100.00	1210.00
1154	Through and bond stone size 24 x 24 x39 cm	100 Nos	0.07	5000.00	350.00
	Carriage:				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.10+0.16 cum = 1.26 cum. LABOUR	cum	1.26	122.08	153.82
0125	Mason (for plain stone work) 2nd class)	day	1.76	679.00	1195.04
0114	Beldar	day	1.24	558.00	691.92
0115	Coolie	day	0.71	558.00	396.18
0101	Bhisti	day	0.09	617.00	55.53
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				5086.38 W
	Add 1 % Water charges on "W"				50.86
	TOTAL				5137.24 X
	Add GST on "X" (multiplying factor 0.1405)				721.78
	TOTAL				5859.02 Y
	Add 15% CPOH on "Y"				878.85
	TOTAL				6737.87 Z
	Add Cess @ 1% on "Z"				67.38
	Cost of 1 cum.				6805.25
	Say				6805.25

7.8 Coursed rubble masonry with hard stone (first or second sort) in superstructure above plinth level and upto floor five level.

7.8.1 Masonry work (first sort), in cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.11	Details of cost for 1 cum MATERIAL Cement mortar 1 : 6 (1 cement : 6 coarse sand) Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3356.15	1006.85
1157	Stone for masonry work	cum	1.21	1100.00	1331.00
1154	Through and bond stone size 24 x 24 x39 cm	100 Nos	0.07	5000.00	350.00
2215	Carriage of Soling stone & masonry stone 7.00 x 24 cm x24 cm x 39 cm = 0.16 cum. 1.21 cum. + 0.16 cum = 1.37 cum LABOUR	cum	1.37	122.08	167.25
0125	Mason (for plain stone work) 2nd class)	day	2.38	679.00	1616.02
0114	Beldar	day	1.59	558.00	887.22
0115	Coolie	day	0.71	558.00	396.18
0101	Bhisti	day	0.09	617.00	55.53
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries, scaffolding etc.	L.S.	37.70	2.00	75.40
	TOTAL				6515.98 W
	Add 1 % Water charges on "W"				65.16
	TOTAL				6581.14 X
	Add GST on "X" (multiplying factor 0.1405)				924.65
	TOTAL				7505.80 Y
	Add 15% CPOH on "Y"				1125.97
	TOTAL				8631.66 Z
	Add Cess @ 1% on "Z"				86.32
	Cost of 1 cum.				8717.98
	Say				8718.00

7.8.2 Masonry work (second sort), in cement mortar 1:6 (1 cement: 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.11	Details of cost for 1 cum MATERIAL Cement mortar 1 : 6 (1 cement : 6 coarse sand) Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3356.15	1006.85
1157	Stone for masonry work	cum	1.10	1100.00	1210.00
1154	Through and bond stone size 24 x24 x39 cm	100 Nos	0.07	5000.00	350.00
	Carriage:				
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.10+0.16 cum = 1.26 cum.	cum	1.26	122.08	153.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.02	679.00	1371.58
0114	Beldar	day	1.59	558.00	887.22
0115	Coolie	day	0.71	558.00	396.18
0101	Bhisti	day	0.09	617.00	55.53
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	558.00	630.54
9999	Sundries, scaffolding etc.	L.S.	37.70	2.00	75.40
	TOTAL				6137.12 W
	Add 1 % Water charges on "W"				61.37
	TOTAL				6198.49 X
	Add GST on "X" (multiplying factor 0.1405)				870.89
	TOTAL				7069.37 Y
	Add 15% CPOH on "Y"				1060.41
	TOTAL				8129.78 Z
	Add Cess @ 1% on "Z"				81.30
	Cost of 1 cum.				8211.08
	Say				8211.10

7.10 Extra for coursed rubble masonry with hard stone (first or second sort) in:
7.10.1 Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0125	Details of cost for 1 cum LABOUR				
0115	Mason (for plain stone work) 2nd class)	day	0.67	679.00	300.16
	Coolie	day	0.27	558.00	150.66
	TOTAL				450.82 W
	Add 1 % Water charges on "W"				4.51
	TOTAL				455.33 X
	Add GST on "X" (multiplying factor 0.1405)				63.97
	TOTAL				519.30 Y
	Add 15% CPOH on "Y"				77.90
	TOTAL				597.20 Z
	Add Cess @ 1% on "Z"				5.97
	Cost of 1 cum.				603.17
	Say				603.15

7.10.2 Circular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum				
2215	Stone for masonry work	cum	0.32	1100.00	352.00
	Carriage of Soling stone & masonry stone	cum	0.32	122.08	39.07
	LABOUR				
0125	Labour for cutting and dressing :				
0115	Mason (for plain stone work) 2nd class)	day	1.67	679.00	1133.93
	Coolie	day	0.35	558.00	195.30
	TOTAL				1720.30 W
	Add 1 % Water charges on "W"				17.20
	TOTAL				1737.50 X
	Add GST on "X" (multiplying factor 0.1405)				244.12
	TOTAL				1981.62 Y
	Add 15% CPOH on "Y"				297.24
	TOTAL				2278.86 Z
	Add Cess @ 1% on "Z"				22.79
	Cost of 1 cum				2301.65
	Say				2301.65

7.11 Extra for coursed rubble masonry with hard stone (first or second sort) curved on plan for a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum				
2215	Extra				
	Stone for masonry work	cum	0.11	1100.00	121.00
	Carriage of Soling stone & masonry stone	cum	0.11	122.08	13.43
	Labour for cutting and dressing:				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0125	Mason (for plain stone work) 2nd class)	day	0.33	679.00	224.07
0115	Coolie	day	0.53	558.00	295.74
	TOTAL				654.24 W
	Add 1 % Water charges on "W"				6.54
	TOTAL				660.78 X
	Add GST on "X" (multiplying factor 0.1405)				92.84
	TOTAL				753.62 Y
	Add 15% CPOH on "Y"				113.04
	TOTAL				866.66 Z
	Add Cess @ 1% on "Z"				8.67
	Cost of 1 cum.				875.33
	Say				875.35

7.12 Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.12.1 One face dressed

7.12.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cudm. MATERIAL Red sand stone Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm				
1160	Red sand stone block	10 cudm	1.333	79.00	105.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne. Say 0.031 t.	tonne	0.031	92.24	2.86
	Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)				
0115	Coolie	day	0.015	558.00	8.37
	Dressing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.088	679.00	59.75
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.044	558.00	24.55
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.044	617.00	27.15
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding	L.S.	2.73	2.00	5.46
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
	TOTAL				352.28 W
	Add 1 % Water charges on "W"				3.52
	TOTAL				355.80 X
	Add GST on "X" (multiplying factor 0.1405)				49.99
	TOTAL				405.79 Y
	Add 15% CPOH on "Y"				60.87
	TOTAL				466.66 Z
	Add Cess @ 1% on "Z"				4.67
	Cost of 10 cu dm.				471.32
	Cost of 1 cum.				47132.00
	Say				47132.00

7.12.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cu dm. MATERIAL White sand stone block Finished work = 10 cu dm.+ Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.	10 cu dm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	92.24	2.86
0115	Extra labour for lifting of materials upto floor V level. (0.01 x 1.50 = 0.015) Coolie Dressing charges LABOUR	day	0.015	558.00	8.37
0125	Mason (for plain stone work) 2nd class)	day	0.088	679.00	59.75
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.044	558.00	24.55
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani Fixing charges LABOUR	day	0.044	617.00	27.15
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
	TOTAL				520.23 W
	Add 1 % Water charges on "W"				5.20
	TOTAL				525.44 X
	Add GST on "X" (multiplying factor 0.1405)				73.82
	TOTAL				599.26 Y
	Add 15% CPOH on "Y"				89.89
	TOTAL				689.15 Z
	Add Cess @ 1% on "Z"				6.89
	Cost of 10 cu dm.				696.04
	Cost of 1 cum.				69604.00
	Say				69604.00

7.12.2 Both face dressed

7.12.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cu dm. MATERIAL Red sand stone block Finished work = 10 cu dm.+ Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm. Cost of stone	10 cu dm	1.333	79.00	105.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)	tonne	0.031	92.24	2.86
0115	Coolie Dressing charges LABOUR	day	0.015	558.00	8.37
0125	Mason (for plain stone work) 2nd class)	day	0.176	679.00	119.50
0102	Blacksmith 1st class	day	0.012	738.00	8.86
0114	Beldar	day	0.088	558.00	49.10
0115	Coolie	day	0.044	558.00	24.55
0100	Bandhani Fixing charges LABOUR	day	0.088	617.00	54.30
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
	TOTAL				480.43 W
	Add 1 % Water charges on "W"				4.80
	TOTAL				485.24 X
	Add GST on "X" (multiplying factor 0.1405)				68.18
	TOTAL				553.41 Y
	Add 15% CPOH on "Y"				83.01
	TOTAL				636.42 Z
	Add Cess @ 1% on "Z"				6.36
	Cost of 10 cu dm.				642.79
	Cost of 1 cum.				64279.00
	Say				64279.00

7.12.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cu dm or 0.01 cum MATERIAL White sand stone block	10 cu dm	1.333	205.00	273.27
	Finished work = 10 cu dm.+ Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.				
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	92.24	2.86
	Extra labour for lifting of material upto floor V level. (0.01 x 1.50 = 0.015)				
0115	Coolie	day	0.015	558.00	8.37
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.176	679.00	119.50
0102	Blacksmith 1st class	day	0.012	738.00	8.86
0114	Beldar	day	0.088	558.00	49.10
0115	Coolie	day	0.044	558.00	24.55
0100	Bandhani	day	0.088	617.00	54.30
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
	TOTAL				648.39 W
	Add 1 % Water charges on "W"				6.48
	TOTAL				654.87 X
	Add GST on "X" (multiplying factor 0.1405)				92.01
	TOTAL				746.88 Y
	Add 15% CPOH on "Y"				112.03
	TOTAL				858.92 Z
	Add Cess @ 1% on "Z"				8.59
	Cost of 10 cudm.				867.51
	Cost of 1 cum.				86751.00
	Say				86751.00

7.13 Stone work plain ashlar in arches in super structure upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand) including centering, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.13.1 One face dressed

7.13.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	79.00	105.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Dressing charges	tonne	0.031	92.24	2.86
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.088	679.00	59.75
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.044	558.00	24.55
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.044	617.00	27.15
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
9999	Centering and shuttering	L.S.	13.52	2.00	27.04

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Extra for using white cement	L.S.	8.06	2.00	16.12
0115	Extra labour for lifting of material (above floor two level up to floor five level) (0.01 x 1.5 = 0.015)				
	Coolie	day	0.015	558.00	8.37
	TOTAL				395.44 W
	Add 1 % Water charges on "W"				3.95
	TOTAL				399.39 X
	Add GST on "X" (multiplying factor 0.1405)				56.11
	TOTAL				455.51 Y
	Add 15% CPOH on "Y"				68.33
	TOTAL				523.83 Z
	Add Cess @ 1% on "Z"				5.24
	Cost of 10 cudm.				529.07
	Cost of 1 cum.				52907.00
	Say				52907.00

7.13.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30= 30.659 kg = 0.03065 tonne say 0.031t Dressing charges	tonne	0.031	92.24	2.86
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.088	679.00	59.75
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.044	558.00	24.55
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.044	617.00	27.15
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
9999	Centering and shuttering	L.S.	13.52	2.00	27.04
9999	Extra for using white cement	L.S.	8.06	2.00	16.12
	Extra labour for lifting of material (above floor two level up to floor five level) (0.01 x 1.5 = 0.015)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				563.39 W
	Add 1 % Water charges on "W"				5.63
	TOTAL				569.03 X
	Add GST on "X" (multiplying factor 0.1405)				79.95
	TOTAL				648.98 Y
	Add 15% CPOH on "Y"				97.35
	TOTAL				746.32 Z
	Add Cess @ 1% on "Z"				7.46
	Cost of 10 cudm.				753.79
	Cost of 1 cum.				75379.00
	Say				75379.00

7.13.2 Both face dressed

7.13.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	79.00	105.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	92.24	2.86
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.176	679.00	119.50
0102	Blacksmith 1st class	day	0.012	738.00	8.86
0114	Beldar	day	0.088	558.00	49.10
0115	Coolie	day	0.044	558.00	24.55
0100	Bandhani	day	0.088	617.00	54.30
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
9999	Centering and shuttering	L.S.	13.52	2.00	27.04
9999	Extra for using white cement	L.S.	8.06	2.00	16.12
	Extra labour for lifting of material (above floor two level up to floor five level) (0.01 x 1.5 = 0.015)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				523.59 W
	Add 1 % Water charges on "W"				5.24
	TOTAL				528.83 X
	Add GST on "X" (multiplying factor 0.1405)				74.30
	TOTAL				603.13 Y
	Add 15% CPOH on "Y"				90.47
	TOTAL				693.60 Z
	Add Cess @ 1% on "Z"				6.94
	Cost of 10 cu dm.				700.53
	Cost of 1 cum.				70053.00
	Say				70053.00

7.13.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cu dm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cu dm. Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.	10 cu dm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Dressing charges	tonne	0.031	92.24	2.86
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.176	679.00	119.50
0102	Blacksmith 1st class	day	0.012	738.00	8.86
0114	Beldar	day	0.088	558.00	49.10
0115	Coolie	day	0.044	558.00	24.55
0100	Bandhani	day	0.088	617.00	54.30
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
9999	Centering and shuttering	L.S.	13.52	2.00	27.04
9999	Extra for using white cement	L.S.	8.06	2.00	16.12
	Extra labour for lifting of material (above floor two level up to floor five level) (0.01 x 1.5 = 0.015)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				691.55 W
	Add 1 % Water charges on "W"				6.92
	TOTAL				698.47 X
	Add GST on "X" (multiplying factor 0.1405)				98.13
	TOTAL				796.60 Y
	Add 15% CPOH on "Y"				119.49
	TOTAL				916.09 Z
	Add Cess @ 1% on "Z"				9.16
	Cost of 10 cudm.				925.25
	Cost of 1 cum.				92525.00
	Say				92525.00

7.14 Stone work plain ashlar in domes , in super structure upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand) including centering, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.14.1 One face dressed

7.14.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	79.00	105.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30= 30.659 kg =0.03065 tonne say 0.031 t	tonne	0.031	92.24	2.86
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.176	679.00	119.50
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0126	Mason (for ornamental stone work) 1st class	day	0.176	738.00	129.89
0114	Beldar	day	0.044	558.00	24.55
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.044	617.00	27.15
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Centring and shuttering	L.S.	33.15	2.00	66.30
9999	Extra for using white cement	L.S.	8.06	2.00	16.12
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)				
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				624.34 W
	Add 1 % Water charges on "W"				6.24
	TOTAL				630.58 X
	Add GST on "X" (multiplying factor 0.1405)				88.60
	TOTAL				719.18 Y
	Add 15% CPOH on "Y"				107.88
	TOTAL				827.05 Z
	Add Cess @ 1% on "Z"				8.27
	Cost of 10 cu dm.				835.32
	Cost of 1 cum.				83532.00
	Say				83532.00

7.14.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cu dm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cu dm.+ Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.	10 cu dm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30= 30.659 kg =0.03065 tonne say 0.031 t	tonne	0.031	92.24	2.86
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.176	679.00	119.50
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0126	Mason (for ornamental stone work) 1st class	day	0.176	738.00	129.89
0114	Beldar	day	0.044	558.00	24.55
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.044	617.00	27.15
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Centring and shuttering	L.S.	33.15	2.00	66.30
9999	Extra for using white cement	L.S.	8.06	2.00	16.12
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)				
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				792.29 W
	Add 1 % Water charges on "W"				7.92
	TOTAL				800.22 X
	Add GST on "X" (multiplying factor 0.1405)				112.43
	TOTAL				912.65 Y
	Add 15% CPOH on "Y"				136.90
	TOTAL				1049.55 Z
	Add Cess @ 1% on "Z"				10.50
	Cost of 10 cudm.				1060.04
	Cost of 1 cum.				106004.00
	Say				106004.00

7.14.2 Both face dressed

7.14.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm. MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	79.00	105.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30= 30.659 kg =0.03065 tonne say 0.031 t	tonne	0.031	92.24	2.86
	Dressing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.352	679.00	239.01
0102	Blacksmith 1st class	day	0.012	738.00	8.86
0126	Mason (for ornamental stone work) 1st class	day	0.352	738.00	259.78
0114	Beldar	day	0.088	558.00	49.10
0115	Coolie	day	0.044	558.00	24.55
0100	Bandhani	day	0.088	617.00	54.30
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
9999	Centring and shuttering	L.S.	33.15	2.00	66.30
9999	Extra for using white cement	L.S.	8.06	2.00	16.12
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)				
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				942.13 W
	Add 1 % Water charges on "W"				9.42
	TOTAL				951.55 X
	Add GST on "X" (multiplying factor 0.1405)				133.69
	TOTAL				1085.25 Y
	Add 15% CPOH on "Y"				162.79
	TOTAL				1248.03 Z
	Add Cess @ 1% on "Z"				12.48
	Cost of 10 cu dm.				1260.51
	Cost of 1 cum.				126051.00
	Say				126051.00

7.14.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cu dm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cu dm.+ Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.	10 cu dm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30= 30.659 kg =0.03065 tonne say 0.031 t	tonne	0.031	92.24	2.86
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.352	679.00	239.01
0102	Blacksmith 1st class	day	0.012	738.00	8.86
0126	Mason (for ornamental stone work) 1st class	day	0.352	738.00	259.78
0114	Beldar	day	0.088	558.00	49.10
0115	Coolie	day	0.044	558.00	24.55
0100	Bandhani	day	0.088	617.00	54.30
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
9999	Centring and shuttering	L.S.	33.15	2.00	66.30
9999	Extra for using white cement	L.S.	8.06	2.00	16.12
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)				
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				1110.09 W
	Add 1 % Water charges on "W"				11.10
	TOTAL				1121.19 X
	Add GST on "X" (multiplying factor 0.1405)				157.53
	TOTAL				1278.72 Y
	Add 15% CPOH on "Y"				191.81
	TOTAL				1470.53 Z
	Add Cess @ 1% on "Z"				14.71
	Cost of 10 cum.				1485.23
	Cost of 1 cum.				148523.00
	Say				148523.00

7.15 Stone work ashlar punched (ordinary) in superstructure upto floor five level in cement mortar 1:6 (1 white cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.15.1 One face dressed

7.15.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cum or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cum.+ Add wastage @ 33.3% = 3.33 cum. Total = 13.33 cum.	10 cum	1.333	79.00	105.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cum = 13.33x2.30= 30.659 tonne = 0.03065kg say 0.031 t	tonne	0.031	92.24	2.86
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.059	679.00	40.06
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.044	558.00	24.55
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.044	617.00	27.15
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
	Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)				
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				332.59 W
	Add 1 % Water charges on "W"				3.33
	TOTAL				335.91 X
	Add GST on "X" (multiplying factor 0.1405)				47.20
	TOTAL				383.11 Y
	Add 15% CPOH on "Y"				57.47
	TOTAL				440.57 Z
	Add Cess @ 1% on "Z"				4.41
	Cost of 10 cu dm.				444.98
	Cost of 1 cum.				44498.00
	Say				44498.00

7.15.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cu dm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cu dm.+ Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.	10 cu dm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30 = 30.659 tonne = 0.03065kg say 0.031 t Dressing charges	tonne	0.031	92.24	2.86
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.059	679.00	40.06
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.044	558.00	24.55
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.044	617.00	27.15
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)	L.S.	8.06	2.00	16.12
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				500.54 W
	Add 1 % Water charges on "W"				5.01
	TOTAL				505.55 X
	Add GST on "X" (multiplying factor 0.1405)				71.03
	TOTAL				576.58 Y
	Add 15% CPOH on "Y"				86.49
	TOTAL				663.07 Z
	Add Cess @ 1% on "Z"				6.63
	Cost of 10 cu dm.				669.70
	Cost of 1 cum.				66970.00
	Say				66970.00

7.15.2 Both faced punched

7.15.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cu dm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cu dm. Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm	10 cu dm	1.333	79.00	105.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30 = 30.659 tonne = 0.03065 kg say 0.031 t. Extra labour for lifting of materials upto floor V level 0.01x1.50 = 0.015	tonne	0.031	92.24	2.86
0115	Coolie	day	0.015	558.00	8.37
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.118	679.00	80.12
0102	Blacksmith 1st class	day	0.012	738.00	8.86
0114	Beldar	day	0.088	558.00	49.10
0115	Coolie	day	0.044	558.00	24.55
0100	Bandhani	day	0.088	617.00	54.30
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
	TOTAL				441.05 W
	Add 1 % Water charges on "W"				4.41
	TOTAL				445.46 X
	Add GST on "X" (multiplying factor 0.1405)				62.59
	TOTAL				508.05 Y
	Add 15% CPOH on "Y"				76.21
	TOTAL				584.26 Z
	Add Cess @ 1% on "Z"				5.84
	Cost of 10 cu dm.				590.10
	Cost of 1 cum.				59010.00
	Say				59010.00

7.15.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cu dm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cu dm. Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.	10 cu dm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30 = 30.659 tonne = 0.03065 kg say 0.031 t. Extra labour for lifting of material upto floor V level. (0.01 x 1.50 = 0.015)	tonne	0.031	92.24	2.86
0115	Coolie Dressing charges LABOUR	day	0.015	558.00	8.37
0125	Mason (for plain stone work) 2nd class)	day	0.118	679.00	80.12
0102	Blacksmith 1st class	day	0.012	738.00	8.86
0114	Beldar	day	0.088	558.00	49.10
0115	Coolie	day	0.044	558.00	24.55
0100	Bandhani Fixing charges LABOUR	day	0.088	617.00	54.30
0125	Mason (for plain stone work) 2nd class	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46
9999	Mortar for laying and pointing	L.S.	8.06	2.00	16.12
	TOTAL				609.01 W
	Add 1 % Water charges on "W"				6.09
	TOTAL				615.10 X
	Add GST on "X" (multiplying factor 0.1405)				86.42
	TOTAL				701.52 Y
	Add 15% CPOH on "Y"				105.23
	TOTAL				806.75 Z
	Add Cess @ 1% on "Z"				8.07
	Cost of 10 cudm.				814.82
	Cost of 1 cum.				81482.00
	Say				81482.00

7.16 Extra for stone work, random rubble / coursed rubble masonry / ashlar masonry above floor V level for every four floors or part thereof.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 10 cudm or 0.01 cum above floor V level				
	Labour required for lifting of material (above floor five level for each additional four floor or part their of)				
	Extra labour for lifting of materials above floor V level (0.01 x 2.0 = 0.020)				
	Beldar	day	0.02	558.00	11.16
	TOTAL				11.16 W
	Add 1 % Water charges on "W"				0.11
	TOTAL				11.27 X
	Add GST on "X" (multiplying factor 0.1405)				1.58
	TOTAL				12.86 Y
	Add 15% CPOH on "Y"				1.93
	TOTAL				14.78 Z
	Add Cess @ 1% on "Z"				0.15
	Cost of 10 cudm.				14.93
	Cost of 1 cum.				1493.00
	Say				1493.00

7.17 Extra for plain ashlar or ashlar punched in :
7.17.1 Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cu dm or 0.01 cum Labour and materials	L.S.	8.97	2.00	17.94
	TOTAL				17.94 W
	Add 1 % Water charges on "W"				0.18
	TOTAL				18.12 X
	Add GST on "X" (multiplying factor 0.1405)				2.55
	TOTAL				20.67 Y
	Add 15% CPOH on "Y"				3.10
	TOTAL				23.76 Z
	Add Cess @ 1% on "Z"				0.24
	Cost of 10 cu dm.				24.00
	Cost of 1 cum.				2400.00
	Say				2400.00

7.18 Extra for stone work; plain ashlar or ashlar punched curved on plan with a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cu dm or 0.01 cum Labour and materials	L.S.	6.24	2.00	12.48
	TOTAL				12.48 W
	Add 1 % Water charges on "W"				0.12
	TOTAL				12.60 X
	Add GST on "X" (multiplying factor 0.1405)				1.77
	TOTAL				14.38 Y
	Add 15% CPOH on "Y"				2.16
	TOTAL				16.53 Z
	Add Cess @ 1% on "Z"				0.17
	Cost of 10 cu dm.				16.70
	Cost of 1 cum.				1670.00
	Say				1670.00

7.19 Extra for additional cost of centering for arches exceeding 6m span including all strutting, bolting, wedging etc. and removal (area of soffit to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 33.31 sqm Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m $2R-2 = 4+4$ $\tan^{-1} (4/3)=53.28^\circ$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	2x53.28=106° Surface area =2x22/7x5x3.6x106/ 360 =33.31sqm. Arc=9.25m MATERIAL Tie-2x8x0.18x0.05 =0.144cum Struts-2x2.5x0.1x0.1 =0.050cum. Struts-2x1.77x0.1x0.1=0.035cum. Ribs-6x1.54x0.23x0.1=0.213cum. Struts-2x1.72x0.1x0.1=0.034cum. Total=0.476cum. For four such frames =0.476x4 = 1.904 cum. laggings-75x3.6x0.125x0.075= 2.531cum. Tie-2x3.6x0.225x0.038=0.062cum. Brace-3x2x2.14x0.225x0.038=0.110 Brace-3x4x3.8x0.225x0.038=0.390 Sleepers-4x3.6x0.20x0.15=0.432 Sleepers-2x4x3.6x0.175x0.075=0.378 Vertical post-4x4x3.6x0.15x0.15= 1.296 Total = 7.103cum. (Refer item No. 6.11)	10 cudm	88.79	260.00	23085.40
2204	Second class kail wood in scantling Carriage of Timber Fittings: 3 way straps 50mmx10mm = 32 Nos. 32 no. @0.50m each = 16m Straps-50mmx10mm = 8 Nos. @0.25m each = 2m Total = 18m 18m, wt @ 3.9kg/m = 70.2 kg. = 0.702q Qty taken 1/8th of qty for cost using once = 0.702/8 = 0.08775 Qtl	cum	0.8879	118.59	105.30
1225	Mild steel flat strap fitting Bolts 160 Nos. 254 mm long 16mm dia.- 160x.254xl .58=64.21 kg=0.64q. Qty taken 1/8th of qty for cost using once = 0.64/8 = 0.08 Qtl	quintal	0.0878	4120.00	361.74
1034	Bolts and nuts upto 300 mm in length Carriage of steel = 0.1342t Qty taken 1/8th of qty for cost using once = 0.1342/8 = 0.01677 t = 0.0168 t	quintal	0.08	4800.00	384.00
2302	Carriage of G.I.sheet and accessories LABOUR	tonne	0.0168	92.24	1.55
0112	Carpenter 2nd class	day	28.00	679.00	19012.00
0114	Beldar	day	24.00	558.00	13392.00
9999	Sundries Less Cost of shuttering etc. for an arch exceeding 6 m span i.e. for an average of 8 m span	L.S.	134.55	2.00	269.10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work TOTAL	sqm	-33.31	1713.20	-57066.69 A -455.61 W 566.11 110.50 X
	Add 1 % Water charges on "W-A" TOTAL				8033.40
	Add GST on "X-A" (multiplying factor 0.1405) TOTAL				8143.90 Y
	Add 15% CPOH on "Y-A" TOTAL				9781.59 17925.48 Z
	Add Cess @ 1% on "Z-A"				749.92
	Cost of 33.31sqm.				18675.41
	Cost per sqm of soffit area				560.65
	Say				560.65

7.20 Stone work ashlar sunk or moulded or sunk and moulded upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.20.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cu dm or 0.01 cum MATERIAL Finished work = 10 cu dm + Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.				
1160	Red sand stone block	10 cu dm	1.333	79.00	105.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	92.24	2.86
9999	Extra for using white cement Dressing charges LABOUR	L.S.	8.06	2.00	16.12
0125	Mason (for plain stone work) 2nd class)	day	0.291	679.00	197.59
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.044	558.00	24.55
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.044	617.00	27.15
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level (0.01x1.50=0.015)	L.S.	8.06	2.00	16.12
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				506.23 W
	Add 1 % Water charges on "W"				5.06
	TOTAL				511.30 X
	Add GST on "X" (multiplying factor 0.1405)				71.84
	TOTAL				583.13 Y
	Add 15% CPOH on "Y"				87.47
	TOTAL				670.60 Z
	Add Cess @ 1% on "Z"				6.71
	Cost of 10 cu dm.				677.31
	Cost of 1 cum.				67731.00
	Say				67731.00

7.20.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cu dm or 0.01 cum MATERIAL				
	Finished work = 10 cu dm.+ Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.				
1161	White sand stone block	10 cu dm	1.333	205.00	273.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30=30.659 kg = 0.03065 tonne say 0.031t.	tonne	0.031	92.24	2.86
9999	Extra for using white cement Dressing charges LABOUR	L.S.	8.06	2.00	16.12
0125	Mason (for plain stone work) 2nd class)	day	0.291	679.00	197.59
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.044	558.00	24.55
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.044	617.00	27.15
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	679.00	29.88
0102	Blacksmith 1st class	day	0.006	738.00	4.43
0114	Beldar	day	0.022	558.00	12.28
0115	Coolie	day	0.022	558.00	12.28
0100	Bandhani	day	0.022	617.00	13.57
0101	Bhisti	day	0.022	617.00	13.57
9999	Scaffolding	L.S.	2.73	2.00	5.46
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level (0.01x1.50=0.015)	L.S.	8.06	2.00	16.12

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.015	558.00	8.37
	TOTAL				674.19 W
	Add 1 % Water charges on "W"				6.74
	TOTAL				680.93 X
	Add GST on "X" (multiplying factor 0.1405)				95.67
	TOTAL				776.60 Y
	Add 15% CPOH on "Y"				116.49
	TOTAL				893.10 Z
	Add Cess @ 1% on "Z"				8.93
	Cost of 10 cu dm.				902.03
	Cost of 1 cum.				90203.00
	Say				90203.00

7.21 Extra for stone work ashlar sunk or moulded or sunk and moulded or carved in :
7.21.1 Triangular or Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cu dm or 0.01 cum	L.S.	11.70	2.00	23.40
	LABOUR				23.40 W
	TOTAL				0.23
	Add 1 % Water charges on "W"				23.63 X
	TOTAL				3.32
	Add GST on "X" (multiplying factor 0.1405)				26.95 Y
	TOTAL				4.04
	Add 15% CPOH on "Y"				31.00 Z
	TOTAL				0.31
	Add Cess @ 1% on "Z"				31.31
	Cost of 10 cu dm.				3131.00
	Cost of 1 cum.				3131.00
	Say				3131.00

7.21.2 Circular or polygonal pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cu dm or 0.01 cum	L.S.	33.15	2.00	66.30
	LABOUR				66.30 W
	TOTAL				0.66
	Add 1 % Water charges on "W"				66.96 X
	TOTAL				9.41
	Add GST on "X" (multiplying factor 0.1405)				76.37 Y
	TOTAL				11.46
	Add 15% CPOH on "Y"				87.83 Z
	TOTAL				0.88
	Add Cess @ 1% on "Z"				88.71
	Cost of 10 cu dm.				8871.00
	Cost of 1 cum.				8871.00
	Say				8871.00

7.22 Extra for stone work ashlar sunk or moulded in cornices.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0125	Details of cost for a cornice 30cm long, 60cm deep and 15cm projection				
0114	Extra labour :				
	Mason (for plain stone work) 2nd class)	day	0.50	679.00	339.50
	Beldar	day	0.75	558.00	418.50
	TOTAL				758.00 W
	Add 1 % Water charges on "W"				7.58
	TOTAL				765.58 X
	Add GST on "X" (multiplying factor 0.1405)				107.56
	TOTAL				873.14 Y
	Add 15% CPOH on "Y"				130.97
	TOTAL				1004.12 Z
	Add Cess @ 1% on "Z"				10.04
	Cost of 30cm long 60cm deep and 15cm girth				1014.16
	Cost of per metre per cm girth (60cm deep)				225.37
	Say				225.35

7.24 Extra for stone work (veneer work) curved on plan with a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cu dm.				
	Labour and materials	L.S.	8.97	2.00	17.94
	TOTAL				17.94 W
	Add 1 % Water charges on "W"				0.18
	TOTAL				18.12 X
	Add GST on "X" (multiplying factor 0.1405)				2.55
	TOTAL				20.67 Y
	Add 15% CPOH on "Y"				3.10
	TOTAL				23.76 Z
	Add Cess @ 1% on "Z"				0.24
	Cost of 10 cu dm.				24.00
	Cost of 1 cum.				2400.00
	Say				2400.00

7.26 Providing and fixing stone dowels 10x5x2.50 cm cut to double wedge shape as per design in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for one dowel				
9999	Cost of stone including carriage	L.S.	9.10	2.00	18.20
9999	Labour for dressing dowel cutting chase and fixing etc.	L.S.	5.33	2.00	10.66
	Cement mortar 1:2 (1 cement : 2 coarse sand)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5345.55	5.35
	TOTAL				34.21 W
	Add 1 % Water charges on "W"				0.34
	TOTAL				34.55 X
	Add GST on "X" (multiplying factor 0.1405)				4.85
	TOTAL				39.40 Y
	Add 15% CPOH on "Y"				5.91
	TOTAL				45.31 Z
	Add Cess @ 1% on "Z"				0.45
	Cost of each dowel				45.76
	Say				45.75

7.28 Providing and fixing sloping chajja of stone 40 mm thick and upto 80 cm wide beyond the wall as measured along the slope in cement mortar 1:4 (1 cement : 4 coarse sand) with 12 mm diameter anchoring steel bar, 45 cm long, fixed in each stone and supported on and including with bricks cove in cement mortar 1:4 (1 cement : 4 coarse sand), including pointing in cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.28.1 Red sand stone :

7.28.1.1 With common burnt clay F.P.S.(non modular) bricks of class designation 7.5

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a chajja 2.00 sqm. (finished work)				
	MATERIAL				
	Chisel dressed 80cm sloping length plus 20cm bearing Area = 2.5x1.00= 2.50sqm				
1164	Red sand stone slab 40 mmthick (un-dressed)	sqm	2.75	200.00	550.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.253	92.24	23.34
	Labour for dressing:				
0125	Mason (for plain stone work) 2nd class)	day	0.50	679.00	339.50
1002	Mild steel round bar 12 mm dia and below	quintal	0.02	4500.00	90.00
9999	Cutting threads and cost of nuts, washers, etc.	L.S.	67.34	2.00	134.68
	Mortar for pointing 1:2 (1 Cement : 2 Stone dust)				
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.009	5108.05	45.97
9999	Pigment	L.S.	6.24	2.00	12.48
9999	Extra cost of white cement	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.00	679.00	679.00
0114	Beldar	day	1.50	558.00	837.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding and sundries etc.	L.S.	16.12	2.00	32.24
9999	Brick cover support 4 courses with bricks of class designation 75 4x7+5+5=38cm girth 2.5m length = 38cmx2.5m=95cm	L.S.	104.00	2.00	208.00
6.4.1	Cost of Brick cover support. Brick work in triangular gap above cover with bricks of class designation 7.5 in cement mortar 1:4 1/2x2.5x0.2x0.07=0.018cum. Rate as per item No 6.4.1 of SH :- Brick work.	cum	0.018	7809.25	140.57 A
	TOTAL				3146.60 W
	Add 1 % Water charges on "W-A"				30.06
	TOTAL				3176.66 X
	Add GST on "X-A" (multiplying factor 0.1405)				426.57
	TOTAL				3603.23 Y
	Add 15% CPOH on "Y-A"				519.40
	TOTAL				4122.63 Z
	Add Cess @ 1% on "Z-A"				39.82
	Cost of 2 sqm.				4162.45
	Cost of 1 sqm.				2081.22
	Say				2081.20

7.28.2 White sand stone :

7.28.2.1 With common burnt clay F.P.S.(non modular) bricks of class designation 7.5

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a chajja 2.00 sqm. (finished work)				
	MATERIAL				
	Chisel dressed 80cm sloping length plus 20cm bearing Area = 2.5x1.00= 2.50sqm				
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	2.75	200.00	550.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.253	92.24	23.34
	Labour for dressing:				
0125	Mason (for plain stone work) 2nd class)	day	0.50	679.00	339.50
	Labour for dressing:				
	Anchoring steel bars 12mm dia. 45cm long, 5 Nos. @ 0.80kg/m = 0.02q				
1002	Mild steel round bar 12 mm dia and below	quintal	0.02	4500.00	90.00
9999	Cutting threads and cost of nuts, washers, etc.	L.S.	67.34	2.00	134.68
	Mortar for pointing 1:2 (1 Cement : 2 Stone dust)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.009	5108.05	45.97
9999	Pigment	L.S.	6.24	2.00	12.48
9999	Extra cost of white cement	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.00	679.00	679.00
0114	Beldar	day	1.50	558.00	837.00
9999	Scaffolding and sundries etc.	L.S.	16.12	2.00	32.24
	Brick cover support 4 courses with bricks of class designation 75 4x7+5+5=38cm girth 2.5m length = 38cmx2.5m=95cm				
9999	Cost for Brick cover support .	L.S.	104.00	2.00	208.00
	Brick work in triangular gap above cover with bricks of class designation 5 in cement mortar 1:4 1/2x2.5x0.2x0.07=0.018cum.				
6.4.1	Rate as per item No 6.4.1 of SH :- Brick work.	cum	0.018	7809.25	140.57 A
	TOTAL				3146.60 W
	Add 1 % Water charges on "W-A"				30.06
	TOTAL				3176.66 X
	Add GST on "X-A" (multiplying factor 0.1405)				426.57
	TOTAL				3603.23 Y
	Add 15% CPOH on "Y-A"				519.40
	TOTAL				4122.63 Z
	Add Cess @ 1% on "Z-A"				39.82
	Cost of 2 sqm.				4162.45
	Cost of 1 sqm.				2081.22
	Say				2081.20

7.29 Providing and fixing horizontal chajja of stone 40 mm thick and upto 80 cm projection in cement mortar 1:4 (1 cement : 4 coarse sand), including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.29.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for (2.5x0.75m) 1.875 sqm.				
	MATERIAL				
	Taking 2.5mx75cm projection + 15cm bearing = 2.5x0.9 = 2.25 sqm.				
1164	Red sand stone slab 40 mmthick (un-dressed)	sqm	2.25	200.00	450.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.227	92.24	20.94
	Labour for dressing:				
0125	Mason (for plain stone work) 2nd class)	day	0.45	679.00	305.55
9999	Mortar for pointing 1:2	L.S.	53.82	2.00	107.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Pigment	L.S.	6.24	2.00	12.48
9999	Extra cost of white cement	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.60	679.00	407.40
0114	Beldar	day	0.80	558.00	446.40
9999	Scaffolding and sundries etc.	L.S.	13.52	2.00	27.04
	TOTAL				1831.27 W
	Add 1 % Water charges on "W"				18.31
	TOTAL				1849.58 X
	Add GST on "X" (multiplying factor 0.1405)				259.87
	TOTAL				2109.45 Y
	Add 15% CPOH on "Y"				316.42
	TOTAL				2425.86 Z
	Add Cess @ 1% on "Z"				24.26
	Cost of 1.875 sqm.				2450.12
	Cost of 1 sqm.				1306.73
	Say				1306.75

7.29.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for (2.5x0.75m) 1.875 sqm.				
	MATERIAL				
	Taking 2.5mx75cm projection + 15cm bearing = 2.5x0.9 = 2.25 sqm.				
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	2.25	200.00	450.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.227	92.24	20.94
	Labour for dressing:				
0125	Mason (for plain stone work) 2nd class)	day	0.45	679.00	305.55
9999	Mortar for pointing 1:2	L.S.	53.82	2.00	107.64
9999	Pigment	L.S.	6.24	2.00	12.48
9999	Extra cost of white cement	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.60	679.00	407.40
0114	Beldar	day	0.80	558.00	446.40
9999	Scaffolding and sundries etc.	L.S.	13.52	2.00	27.04
	TOTAL				1831.27 W
	Add 1 % Water charges on "W"				18.31
	TOTAL				1849.58 X
	Add GST on "X" (multiplying factor 0.1405)				259.87
	TOTAL				2109.45 Y
	Add 15% CPOH on "Y"				316.42
	TOTAL				2425.86 Z
	Add Cess @ 1% on "Z"				24.26
	Cost of 1.875 sqm.				2450.12
	Cost of 1 sqm.				1306.73
	Say				1306.75

7.30 30 mm red sand stone sun-shade (chisel-dressed) supported on red sand stone brackets, fixed in walls with cement mortar 1:4 (1 cement : 4 coarse sand), including finishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for window 1.6m length and 0.70m width = 1.12 sqm. MATERIAL over all width 0.70+0.15=0.85 metres Total area = 1.6x0.85=1.36sqm. Red stone brackets (chisel dressed) 30mm average thickness over all width of brackets 0.53+0.23=0.76m 2x0.3x0.76=0.46 Total 1.36+0.46 =1.82sqm.+ Add wastage @10% = 0.18sqm. Total = 2.00 sqm.				
1166	Red sand stone slab 30 mmthick (un-dressed)	sqm	2.00	200.00	400.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.14	92.24	12.91
9999	Cement mortar 1 :4	L.S.	13.52	2.00	27.04
	Labour for dressing and fixing: LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.86	679.00	583.94
0114	Beldar	day	0.50	558.00	279.00
	TOTAL				1302.89 W
	Add 1 % Water charges on "W"				13.03
	TOTAL				1315.92 X
	Add GST on "X" (multiplying factor 0.1405)				184.89
	TOTAL				1500.81 Y
	Add 15% CPOH on "Y"				225.12
	TOTAL				1725.93 Z
	Add Cess @ 1% on "Z"				17.26
	Cost for 1.12 sqm.				1743.19
	Cost of 1 sqm.				1556.42
	Say				1556.40

7.31 Providing and fixing red sand stone brackets 55x22.5x45 cm sunk and moulded including providing and fixing with 4 Nos gun metal cramp 25x6 mm 30 cm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 bracket Quantity of stone for 1 bracket 1 x 55 x 22.5 x 45cm = 0.056cum or 56 cudm. Red sand stone = 56 cudm. Add wastage 10% = 5.6 cudm. Total = 61.6 cudm.				
1160	Red sand stone block	10 cudm	6.16	79.00	486.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/ cudm. Dressing charges LABOUR	tonne	0.14	92.24	12.91
0125	Mason (for plain stone work) 2nd class)	day	1.7926	679.00	1217.18
0102	Blacksmith 1st class	day	0.037	738.00	27.31
0114	Beldar	day	0.271	558.00	151.22
0115	Coolie	day	0.1355	558.00	75.61
0100	Bandhani	day	0.271	617.00	167.21
0373	Cramp Gun metal 25x6x300 mm Fixing charges LABOUR	each	4.00	80.00	320.00
0125	Mason (for plain stone work) 2nd class)	day	0.2464	679.00	167.31
0102	Blacksmith 1st class	day	0.0336	738.00	24.80
0114	Beldar	day	0.1232	558.00	68.75
0115	Coolie	day	0.1232	558.00	68.75
0100	Bandhani	day	0.1232	617.00	76.01
0101	Bhisti	day	0.1232	617.00	76.01
9999	Scaffolding	L.S.	15.29	2.00	30.58
9999	Mortar for laying and pointing Extra labour for ornamental finish :	L.S.	45.14	2.00	90.28
0126	Mason (for ornamental stone work) 1st class TOTAL	day	0.95	738.00	701.10 3761.65 W
	Add 1 % Water charges on "W"				37.62
	TOTAL				3799.27 X
	Add GST on "X" (multiplying factor 0.1405)				533.80
	TOTAL				4333.07 Y
	Add 15% CPOH on "Y"				649.96
	TOTAL				4983.02 Z
	Add Cess @ 1% on "Z"				49.83
	Cost for 1 Bracket				5032.86
	Say				5032.85

7.32 Stone work, plain in copings, cornices, string courses and plinth courses, upto 75 mm thick in Cement mortar 1:6 (1 cement : 6 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.32.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7.12.1.1	Details of cost for cornices (30cm long, 30cm deep and 7.5cm project-iron) = 6.75cudm. MATERIAL Stone work plain ashlar cyclopean 3x3x0.75 = 6.75 cudm Rate as per item no 7.12.1.1 of SH : Stone Work	cum	0.00675	47132.00	318.14 A
9999	Extra for using white cement Extra labour for making the cornices	L.S.	5.33	2.00	10.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0125	Mason (for plain stone work) 2nd class)	day	0.07	679.00	47.53
0114	Beldar	day	0.07	558.00	39.06
	TOTAL				415.39 W
	Add 1 % Water charges on "W-A"				0.97
	TOTAL				416.36 X
	Add GST on "X-A" (multiplying factor 0.1405)				13.80
	TOTAL				430.16 Y
	Add 15% CPOH on "Y-A"				16.80
	TOTAL				446.97 Z
	Add Cess @ 1% on "Z-A"				1.29
	Cost of 6.75 cu dm				448.26
	Cost per cum.				66408.89
	Say				66408.90

7.32.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for cornices (30cm long 30cm deep and 7.5cm project-iron) = 6.75cu dm.				
	MATERIAL				
	Stone work plain ashlar cyclopean 3x3x0.75 = 6.75 cu dm				
7.12.1.2	Rate as per item no 7.12.2 of SH : Stone Work	cum	0.00675	69604.00	469.83 A
9999	Extra for using white cement	L.S.	5.33	2.00	10.66
	Extra labour for making the cornices				
0125	Mason (for plain stone work) 2nd class)	day	0.07	679.00	47.53
0114	Beldar	day	0.07	558.00	39.06
	TOTAL				567.08 W
	Add 1 % Water charges on "W-A"				0.97
	TOTAL				568.05 X
	Add GST on "X-A" (multiplying factor 0.1405)				13.80
	TOTAL				581.85 Y
	Add 15% CPOH on "Y-A"				16.80
	TOTAL				598.65 Z
	Add Cess @ 1% on "Z-A"				1.29
	Cost of 6.75 cu dm.				599.94
	Cost per cum.				88880.00
	Say				88880.00

7.33 Providing and fixing stone jali 40 mm thick throughout in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment, matching the stone shade, jali slab without any chamfers etc.

7.33.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1164	MATERIAL Red sand stone slab 40mm = 1.00 sqm. Add 10% wastage = 0.10 sqm. Total = 1.10 sqm. Red sand stone slab 40 mm thick (un-dressed)	sqm	1.10	200.00	220.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab LABOUR	tonne	0.101	92.24	9.32
0125	For making, dressing and fixing Mason (for plain stone work) 2nd class)	day	7.62	679.00	5173.98
0114	Beldar	day	5.07	558.00	2829.06
9999	Mortar and Sundries	L.S.	80.73	2.00	161.46
	TOTAL				8393.82 W
	Add 1 % Water charges on "W"				83.94
	TOTAL				8477.75 X
	Add GST on "X" (multiplying factor 0.1405)				1191.12
	TOTAL				9668.88 Y
	Add 15% CPOH on "Y"				1450.33
	TOTAL				11119.21 Z
	Add Cess @ 1% on "Z"				111.19
	Cost of 1 sqm.				11230.40
	Say				11230.40

7.33.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1165	Details of cost for 1 sqm MATERIAL White sand stone slab 40mm = 1.00 sqm. Add 10% wastage = 0.10 sqm. Total = 1.10 sqm. White sand stone slab 40 mm thick (un-dressed)	sqm	1.10	200.00	220.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab LABOUR	tonne	0.101	92.24	9.32
0125	For making, dressing and fixing Mason (for plain stone work) 2nd class)	day	7.62	679.00	5173.98
0114	Beldar	day	5.07	558.00	2829.06
9999	Mortar and Sundries	L.S.	80.73	2.00	161.46
	TOTAL				8393.82 W
	Add 1 % Water charges on "W"				83.94
	TOTAL				8477.75 X
	Add GST on "X" (multiplying factor 0.1405)				1191.12
	TOTAL				9668.88 Y
	Add 15% CPOH on "Y"				1450.33
	TOTAL				11119.21 Z
	Add Cess @ 1% on "Z"				111.19
	Cost of 1 sqm.				11230.40
	Say				11230.40

- 7.34** **Extra for laying stone work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.**
NOTE :- The quantity will be calculated by multiplying the depth measured from sub-soil water level up to the centre of gravity of stone work under sub - water with the quantity of stone work in cum executed under the sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m, 0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0011	Details of cost for depth of water 0.30m. Quantity of concrete = 14 cum. pumping hours = 3 hrs. on 0.375day. Hire charges of Pumpset of capacity 4000 litres/hour.	day	0.375	700.00	262.50
0114	for cleaning slush	day	4.00	558.00	2232.00
	Beldar				2494.50 W
	TOTAL				24.95
	Add 1 % Water charges on "W"				2519.45 X
	TOTAL				353.98
	Add GST on "X" (multiplying factor 0.1405)				2873.43 Y
	TOTAL				431.01
	Add 15% CPOH on "Y"				3304.44 Z
	TOTAL				33.04
	Add Cess @ 1% on "Z"				3337.49
	Cost of 14cum. per 0.30m depth				794.64
	Cost of cum. per m depth				794.65
	Say				

7.35 **Extra for laying stone work in or under foul position.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for 1 cum. Extra labour due to slow progress-				
	Mason (brick layer) 1st class	day	0.02	738.00	14.76
0124	Mason (brick layer) 2nd class	day	0.02	679.00	13.58
0114	Beldar	day	0.25	558.00	139.50
0115	Coolie	day	0.15	558.00	83.70
	TOTAL				251.54 W
	Add 1 % Water charges on "W"				2.52
	TOTAL				254.06 X
	Add GST on "X" (multiplying factor 0.1405)				35.69
	TOTAL				289.75 Y
	Add 15% CPOH on "Y"				43.46
	TOTAL				333.21 Z
	Add Cess @ 1% on "Z"				3.33
	Cost for 1 cum.				336.54
	Say				336.55

7.38 Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match the stone shade.

7.38.1 8mm thick (mirror polished and machine cut edge)

7.38.1.1 Granite stone of any colour and shade

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL Granite stone tile = 10.00sqm. Add 2.5% wastage = 0.25sqm. Total =10.25 sqm				
2750	8 mm thick granite stone tiles (mirror polished of all shades)	sqm	10.25	700.00	7175.00
9977	Carriage of granite tiles	L.S.	40.04	2.00	80.08
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.14	4664.55	653.04
0367	Portland Cement slurry @ 3.3 kg/sqm	tonne	0.033	4940.00	163.02
9999	Mortar for pointing in white cement	L.S.	25.74	2.00	51.48
	LABOUR				
	Labour for placing and fixing :				
0123	Mason (brick layer) 1st class	day	7.70	738.00	5682.60
0114	Beldar	day	7.70	558.00	4296.60
9999	Granular sand particles mixed with araldite to be pasted on each side to form interlocking arrangement with cement plaster	L.S.	260.00	2.00	520.00
9999	Sundries	L.S.	171.60	2.00	343.20
	TOTAL				18965.02 W
	Add 1 % Water charges on "W"				189.65
	TOTAL				19154.67 X
	Add GST on "X" (multiplying factor 0.1405)				2691.23
	TOTAL				21845.90 Y
	Add 15% CPOH on "Y"				3276.88
	TOTAL				25122.78 Z
	Add Cess @ 1% on "Z"				251.23
	Cost for 10 sqm.				25374.01
	Cost of 1 sqm.				2537.40
	Say				2537.40

7.38.1.2 Raj Nagar plain white marble/ Udaipur green marble/ Zebra black marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL 8mm thick Raj Nagar white stone tile = 10.00sqm.+ Add 2.5% wastage = 0.25sqm. Total = 10.25sqm				
7439	8mm thick (mirror polished tiles machine cut edge) Raj Nagar white	sqm	10.25	500.00	5125.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of Raj Nagar white stone tiles	L.S.	40.04	2.00	80.08
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.14	4664.55	653.04
0367	Portland Cement	tonne	0.033	4940.00	163.02
	slurry @ 3.3 kg/sqm				
9999	Mortar for pointing in white cement	L.S.	25.74	2.00	51.48
	Labour for placing and fixing :				
0123	Mason (brick layer) 1st class	day	7.70	738.00	5682.60
0114	Beldar	day	7.70	558.00	4296.60
9999	Granular sand particles mixed with araldite to be pasted on each side to form interlocking arrangement with cement plaster	L.S.	260.00	2.00	520.00
9999	Sundries	L.S.	171.6	2.00	343.20
	TOTAL				16915.02 W
	Add 1 % Water charges on "W"				169.15
	TOTAL				17084.17 X
	Add GST on "X" (multiplying factor 0.1405)				2400.33
	TOTAL				19484.49 Y
	Add 15% CPOH on "Y"				2922.67
	TOTAL				22407.17 Z
	Add Cess @ 1% on "Z"				224.07
	Cost for 10 sqm.				22631.24
	Cost of 1 sqm.				2263.12
	Say				2263.10

SUB HEAD : 8.0
CLADDING WORK

8.1 Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick 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 the backing by means of cramps, which shall be paid for separately).

8.1.1 Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble.

8.1.1.1 Area of slab upto 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 0.50 sqm. MATERIAL Finished work = 0.50sqm. Add for wastage @ 20% = 0.10 sqm. Total = 0.60 sqm.				
7452	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	0.60	575.00	345.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.03	92.24	2.77
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.008	4664.55	37.32
	White cement mortar 1:2 (1 white cement : 2 marble dust)				
3.15	Rate as per Item Number 3.15 of SH: Mortars	cum	0.0012	9393.35	11.27
	LABOUR For fixing				
0126	Mason (for ornamental stone work) 1st class	day	0.335	738.00	247.23
0100	Bandhani	day	0.335	617.00	206.70
0114	Beldar	day	0.335	558.00	186.93
0115	Coolie	day	0.335	558.00	186.93
0101	Bhisti	day	0.335	617.00	206.70
0128	Mate	day	0.165	617.00	101.81
0102	Blacksmith 1st class	day	0.135	738.00	99.63
9999	Scaffolding	L.S.	13.39	2.00	26.78
	TOTAL				1659.05 W
	Add 1 % Water charges on "W"				16.59
	TOTAL				1675.64 X
	Add GST on "X" (multiplying factor 0.1405)				235.43
	TOTAL				1911.07 Y
	Add 15% CPOH on "Y"				286.66
	TOTAL				2197.73 Z
	Add Cess @ 1% on "Z"				21.98
	Cost for 0.50 sqm.				2219.71
	Cost for one sqm.				4439.41
	Say				4439.40

8.1.1.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 sqm. MATERIAL Finished work = 1.00 sqm. Add for wastage @ 20% = 0.20 sqm. Total = 1.20 sqm.				
7453	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	1.20	690.00	828.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.06	92.24	5.53
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.0144	4664.55	67.17
	White cement mortar 1:2 (1 white cement : 2 marble dust)				
3.15	Rate as per Item Number 3.15 of SH: Mortars	cum	0.0025	9393.35	23.48
	LABOUR For fixing				
0126	Mason (for ornamental stone work) 1st class	day	0.67	738.00	494.46
0100	Bandhani	day	0.67	617.00	413.39
0114	Beldar	day	0.67	558.00	373.86
0115	Coolie	day	0.67	558.00	373.86
0101	Bhisti	day	0.67	617.00	413.39
0128	Mate	day	0.33	617.00	203.61
0102	Blacksmith 1st class	day	0.27	738.00	199.26
9999	Scaffolding	L.S.	26.91	2.00	53.82
	TOTAL				3449.84 W
	Add 1 % Water charges on "W"				34.50
	TOTAL				3484.34 X
	Add GST on "X" (multiplying factor 0.1405)				489.55
	TOTAL				3973.88 Y
	Add 15% CPOH on "Y"				596.08
	TOTAL				4569.97 Z
	Add Cess @ 1% on "Z"				45.70
	Cost for 1.00 sqm				4615.67
	Cost for one sqm				4615.67
	Say				4615.65

8.2 Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing 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 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7452	Details of cost for 0.50 sqm. MATERIAL Mirror polished Abu plain white = 0.50 sqm.+Wastage 5% 0.025 sqm. = 0.525 sqm Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm) 20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	0.525	575.00	301.88
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.012	4010.35	48.12
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.48	738.00	354.24
0114	Beldar	day	0.20	558.00	111.60
0115	Coolie	day	0.20	558.00	111.60
9999	Moulding and edge polishing	L.S.	39.00	2.00	78.00
9999	Sundries apoxy resin & cutting machine etc.	L.S.	16.25	2.00	32.50
	TOTAL				1037.94 W
	Add 1 % Water charges on "W"				10.38
	TOTAL				1048.32 X
	Add GST on "X" (multiplying factor 0.1405)				147.29
	TOTAL				1195.61 Y
	Add 15% CPOH on "Y"				179.34
	TOTAL				1374.95 Z
	Add Cess @ 1% on "Z"				13.75
	Cost for 0.50 sqm.				1388.70
	Cost for 1.00 sqm				2777.40
	Say				2777.40

8.2.1.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7453	Details of cost for 1.00 sqm. MATERIAL Mirror polished Abu plain white = 1.00 sqm.+ Wastage 5% (0.05sqm.)= 1.05 sqm Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm) 20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	1.05	690.00	724.50
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4010.35	96.25
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.72	738.00	531.36
0114	Beldar	day	0.30	558.00	167.40
0115	Coolie	day	0.30	558.00	167.40
9999	Moulding and edge polishing	L.S.	78.00	2.00	156.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries epoxy resin & cutting machine etc.	L.S.	32.50	2.00	65.00
	TOTAL				1907.91 W
	Add 1 % Water charges on "W"				19.08
	TOTAL				1926.99 X
	Add GST on "X" (multiplying factor 0.1405)				270.74
	TOTAL				2197.73 Y
	Add 15% CPOH on "Y"				329.66
	TOTAL				2527.39 Z
	Add Cess @ 1% on "Z"				25.27
	Cost for 1.00 sqm.				2552.66
	Say				2552.65

8.2.2 Granite of any colour and shade

8.2.2.1 Area of slab upto 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7295	Details of cost for 0.50 sqm. MATERIAL Mirror polished granite= 0.50 sqm.+ Wastage 5% 0.025 sqm.= 0.525 sqm Granite of any colour, 18 mm thick (slab area upto 0.50 sqm) Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	0.525	1600.00	840.00
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.012	4010.35	48.12
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.48	738.00	354.24
0114	Beldar	day	0.20	558.00	111.60
0115	Coolie	day	0.20	558.00	111.60
9999	Moulding and edge polishing	L.S.	39.00	2.00	78.00
9999	Sundries epoxy resin & cutting machine etc.	L.S.	16.25	2.00	32.50
	TOTAL				1576.06 W
	Add 1 % Water charges on "W"				15.76
	TOTAL				1591.82 X
	Add GST on "X" (multiplying factor 0.1405)				223.65
	TOTAL				1815.48 Y
	Add 15% CPOH on "Y"				272.32
	TOTAL				2087.80 Z
	Add Cess @ 1% on "Z"				20.88
	Cost for 0.50 sqm.				2108.68
	Cost for 1.00 sqm				4217.35
	Say				4217.35

8.2.2.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7297	Details of cost for 2.00 sqm. MATERIAL Mirror polished granite= 2.00 sqm.+ Wastage 5% 0.10sqm.= 2.10 sqm Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	2.10	1800.00	3780.00
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.048	4010.35	192.50
0123	LABOUR Mason (brick layer) 1st class	day	1.44	738.00	1062.72
0114	Beldar	day	0.60	558.00	334.80
0115	Coolie	day	0.60	558.00	334.80
9999	Moulding and edge polishing	L.S.	78.00	2.00	156.00
9999	Sundries apoxy resin & cutting machine etc.	L.S.	65.00	2.00	130.00
	TOTAL				5990.82 W
	Add 1 % Water charges on "W"				59.91
	TOTAL				6050.72 X
	Add GST on "X" (multiplying factor 0.1405)				850.13
	TOTAL				6900.85 Y
	Add 15% CPOH on "Y"				1035.13
	TOTAL				7935.98 Z
	Add Cess @ 1% on "Z"				79.36
	Cost for 2.00 sqm.				8015.34
	Cost for 1.00 sqm				4007.67
	Say				4007.65

8.3 Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.

8.3.1 Marble work

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.00 m LABOUR				
0019	Hand Grinder For mirror polish	day	1.50	250.00	375.00
0114	Beldar	day	2.00	558.00	1116.00
9999	Sundries Blades & Polished etc.	L.S.	78.00	2.00	156.00
	TOTAL				1647.00 W
	Add 1 % Water charges on "W"				16.47
	TOTAL				1663.47 X
	Add GST on "X" (multiplying factor 0.1405)				233.72
	TOTAL				1897.19 Y
	Add 15% CPOH on "Y"				284.58
	TOTAL				2181.77 Z
	Add Cess @ 1% on "Z"				21.82
	Cost for 10 metre				2203.58
	Cost per metre				220.36
	Say				220.35

8.3.2 Granite work

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.00 m LABOUR				
0019	Hand Grinder For mirror polish	day	2.50	250.00	625.00
0114	Beldar	day	3.50	558.00	1953.00
9999	Sundries Blades & Polished etc.	L.S.	117.00	2.00	234.00
	TOTAL				2812.00 W
	Add 1 % Water charges on "W"				28.12
	TOTAL				2840.12 X
	Add GST on "X" (multiplying factor 0.1405)				399.04
	TOTAL				3239.16 Y
	Add 15% CPOH on "Y"				485.87
	TOTAL				3725.03 Z
	Add Cess @ 1% on "Z"				37.25
	Cost for 10 metre				3762.28
	Cost per metre				376.23
	Say				376.25

8.4 Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for facia 1.5m long and 0.15m wide LABOUR				
0123	Mason (brick layer) 1st class	day	0.30	738.00	221.40
0115	Coolie	day	0.30	558.00	167.40
9999	Scaffolding, expoxy	L.S.	39.00	2.00	78.00
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
	1.5x0.15x0.02 = 0.005cum.				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.005	4010.35	20.05
	TOTAL				486.85 W
	Add 1 % Water charges on "W"				4.87
	TOTAL				491.72 X
	Add GST on "X" (multiplying factor 0.1405)				69.09
	TOTAL				560.81 Y
	Add 15% CPOH on "Y"				84.12
	TOTAL				644.93 Z
	Add Cess @ 1% on "Z"				6.45
	Cost for 1.5 metre				651.38
	Cost per metre				434.25
	Say				434.25

8.5 Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for providing an opening of required size and shape				
	LABOUR				
0126	Mason (for ornamental stone work)				
	1st class	day	0.40	738.00	295.20
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	15.30	2.00	30.60
	TOTAL				549.00 W
	Add 1 % Water charges on "W"				5.49
	TOTAL				554.49 X
	Add GST on "X" (multiplying factor 0.1405)				77.91
	TOTAL				632.40 Y
	Add 15% CPOH on "Y"				94.86
	TOTAL				727.26 Z
	Add Cess @ 1% on "Z"				7.27
	Cost of each				734.53
	Say				734.55

8.6 Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	LABOUR				
0013	Machine for rubbing of floors	day	1.00	300.00	300.00
0114	Beldar	day	2.50	558.00	1395.00
0101	Bhisti	day	1.50	617.00	925.50
9999	Sundries grease, mop grinding stones etc.	L.S.	65.00	2.00	130.00
	TOTAL				2750.50 W
	Add 1 % Water charges on "W"				27.51
	TOTAL				2778.01 X
	Add GST on "X" (multiplying factor 0.1405)				390.31
	TOTAL				3168.31 Y
	Add 15% CPOH on "Y"				475.25
	TOTAL				3643.56 Z
	Add Cess @ 1% on "Z"				36.44
	Cost for 10 sqm.				3680.00
	Cost per sqm.				368.00
	Say				368.00

8.7 Providing and fixing cramps of required size & shape in RCC/ CC / Brick masonry backing with cement mortar 1:2 (1 cement :2 coarse sand), including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).

8.7.1 Gunmetal cramps

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.03kg MATERIAL Gun metal cramp $10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^{-5}$ $10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^{-5}$ $= 13.3 \times 10^{-5}$ less hole $10 \times 0.024 \times 0.010 \times 0.006 = 1.4 \times 10^{-5}$ $= 11.9 \times 10^{-5} \times 8640 = 1.03 \text{ kg}$ Add wastage @ 5% = 0.051kg. Total = 1.08 kg.				
7338	Gun metal cramp	kilogram	1.08	315.00	340.20
9977	Carriage	L.S.	3.90	2.00	7.80
	Cement mortar 1:2 (1 cement : 2 coarse sand)				
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5345.55	5.35
9999	Labour for fixing in position	L.S.	65.00	2.00	130.00
	TOTAL				483.35 W
	Add 1 % Water charges on "W"				4.83
	TOTAL				488.18 X
	Add GST on "X" (multiplying factor 0.1405)				68.59
	TOTAL				556.77 Y
	Add 15% CPOH on "Y"				83.52
	TOTAL				640.28 Z
	Add Cess @ 1% on "Z"				6.40
	Cost for 1.03 kg.				646.69
	Cost per kg				627.85
	Say				627.85

8.7.2 Stainless steel cramps

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 0.934 kg MATERIAL Stainless steel cramp $10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^{-5}$ $10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^{-5}$ $= 13.3 \times 10^{-5}$ less hole $10 \times 0.024 \times 0.010 \times 0.006 = 1.4 \times 10^{-5}$ $= 11.9 \times 10^{-5} \times 7850 = 0.934 \text{ kg}$ Add wastage @ 5% = 0.047kg. Total = 0.981 kg.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7339	Stainless steel cramp	kilogram	0.981	290.00	284.49
9977	Carriage	L.S.	3.90	2.00	7.80
3.7	Cement mortar 1:2 (1 cement : 2 coarse sand)				
	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5345.55	5.35
9999	Labour for fixing in position	L.S.	65.00	2.00	130.00
	TOTAL				427.64 W
	Add 1 % Water charges on "W"				4.28
	TOTAL				431.91 X
	Add GST on "X" (multiplying factor 0.1405)				60.68
	TOTAL				492.60 Y
	Add 15% CPOH on "Y"				73.89
	TOTAL				566.48 Z
	Add Cess @ 1% on "Z"				5.66
	Cost for 0.934 kg.				572.15
	Cost per kg				612.58
	Say				612.60

8.8 Providing and fixing expansion hold fasteners on C.C. /R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete.

8.8.1 Wedge expansion type

8.8.1.1 Fastener with threaded dia 6 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7430	Details of cost for 30nos. W.E.H. fastener MATERIAL Wedge expansion hold fastner 1/4" or 6 mm, 36.5mm length	each	30.00	11.00	330.00
1034	Bolts and nuts upto 300 mm in length (36.5+10mm)	quintal	0.0045	4800.00	21.60
	LABOUR				
0116	Fitter (grade 1)	day	0.25	738.00	184.50
0114	Beldar	day	0.25	558.00	139.50
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc.	L.S.	32.50	2.00	65.00
	TOTAL				740.60 W
	Add 1 % Water charges on "W"				7.41
	TOTAL				748.01 X
	Add GST on "X" (multiplying factor 0.1405)				105.09
	TOTAL				853.10 Y
	Add 15% CPOH on "Y"				127.97
	TOTAL				981.07 Z
	Add Cess @ 1% on "Z"				9.81
	Cost for 30 nos.				990.88
	Cost of each				33.03
	Say				33.05

8.8.1.2 Fastener with threaded dia 10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7431	Details of cost for 30nos. W.E.H. fastener MATERIAL Wedge expansion hold fastner 3/8" or 10 mm, 44.5mm length	each	30.00	11.00	330.00
1034	Bolts and nuts upto 300 mm in length (44.5+10mm) LABOUR	quintal	0.006	4800.00	28.80
0116	Fitter (grade 1)	day	0.25	738.00	184.50
0114	Beldar	day	0.25	558.00	139.50
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc.	L.S.	32.50	2.00	65.00
	TOTAL				747.80 W
	Add 1 % Water charges on "W"				7.48
	TOTAL				755.28 X
	Add GST on "X" (multiplying factor 0.1405)				106.12
	TOTAL				861.39 Y
	Add 15% CPOH on "Y"				129.21
	TOTAL				990.60 Z
	Add Cess @ 1% on "Z"				9.91
	Cost for 30 nos.				1000.51
	Cost of each				33.35
	Say				33.35

8.8.1.3 Fastener with threaded dia 12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7432	Details of cost for 30nos. W.E.H. fastener MATERIAL Wedge expansion hold fastner 1/2" or 12 mm 58.7mm length	each	30.00	27.00	810.00
1034	Bolts and nuts upto 300 mm in length Length (58.7+10mm) @ 0.05 kg./each LABOUR	quintal	0.0075	4800.00	36.00
0116	Fitter (grade 1)	day	0.25	738.00	184.50
0114	Beldar	day	0.25	558.00	139.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc.	L.S.	32.50	2.00	65.00
	TOTAL				1235.00 W
	Add 1 % Water charges on "W"				12.35
	TOTAL				1247.35 X
	Add GST on "X" (multiplying factor 0.1405)				175.25
	TOTAL				1422.60 Y
	Add 15% CPOH on "Y"				213.39
	TOTAL				1635.99 Z
	Add Cess @ 1% on "Z"				16.36
	Cost for 30 nos.				1652.35
	Cost of each				55.08
	Say				55.10

8.9 Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete.

8.9.1 8mm thick

8.9.1.1 Raj nagar plain white marble/ Udaipur green marble/ Zebra black marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL				
	8mm thick marble tiles. Qty. = 1.00 sqm. +Add wastage @ 2.5% = 0.025 sqm. Total = 1.025 sqm.				
2751	8 mm thick marble tiles (polished) Raj Nagar	sqm	1.025	400.00	410.00
9977	Carriage of tiles	L.S.	3.95	2.00	7.90
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	4664.55	65.30
9999	Mortar for pointing	L.S.	25.38	2.00	50.76
0367	Portland Cement	tonne	0.0033	4940.00	16.30
0123	Mason (brick layer) 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries etc.	L.S.	16.90	2.00	33.80
	TOTAL				1880.07 W
	Add 1 % Water charges on "W"				18.80
	TOTAL				1898.87 X
	Add GST on "X" (multiplying factor 0.1405)				266.79
	TOTAL				2165.66 Y
	Add 15% CPOH on "Y"				324.85
	TOTAL				2490.51 Z
	Add Cess @ 1% on "Z"				24.91
	Cost for 1 sqm.				2515.41
	Say				2515.40

8.9.1.2 Granite of any colour and shade

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2750	Details of cost for 1 sqm. 8mm thick Granite tiles. Qty. = 1.00 sqm. + Add wastage @ 2.5% = 0.025 sqm. Total = 1.025 sqm. 8 mm thick granite stone tiles (mirror polished of all shades)	sqm	1.025	700.00	717.50
9977	Carriage of tiles	L.S.	3.95	2.00	7.90
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand) Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	4664.55	65.30
9999	Mortar for pointing	L.S.	25.38	2.00	50.76
0367	Portland Cement	tonne	0.0033	4940.00	16.30
0123	Mason (brick layer) 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries etc.	L.S.	16.90	2.00	33.80
	TOTAL				2187.57 W
	Add 1 % Water charges on "W"				21.88
	TOTAL				2209.44 X
	Add GST on "X" (multiplying factor 0.1405)				310.43
	TOTAL				2519.87 Y
	Add 15% CPOH on "Y"				377.98
	TOTAL				2897.85 Z
	Add Cess @ 1% on "Z"				28.98
	Cost for 1 sqm.				2926.83
	Say				2926.85

8.10 Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.

8.10.1 White Agaria Marble Stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7244	Details of cost for one No or 0.375 sqm. MATERIAL Agaria Marble Stone 1 X 0.75 X 0.50 =0.375 sqm+Add wastage 20% = 0.075 sqm. Total = 0.45sqm. Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick	sqm	0.45	1620.00	729.00
9999	Cement concrete 1:2:4 for filling	L.S.	21.58	2.00	43.16
9999	Labour for fixing, edge rounding and final polishing .	L.S.	43.16	2.00	86.32

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	21.58	2.00	43.16
	TOTAL				901.64 W
	Add 1 % Water charges on "W"				9.02
	TOTAL				910.66 X
	Add GST on "X" (multiplying factor 0.1405)				127.95
	TOTAL				1038.60 Y
	Add 15% CPOH on "Y"				155.79
	TOTAL				1194.39 Z
	Add Cess @ 1% on "Z"				11.94
	Cost of 0.375sqm				1206.34
	Cost of 1.00 sqm				3216.90
	Say				3216.90

8.10.2 Granite Stone of approved shade

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7245	Details of cost for one No or 0.375sqm. MATERIAL Granite Stone 1x0.75x0.50 = 0.375sqm.+Add wastage 20% = 0.075 sqm. Total = 0.45 sqm. Table rubbed polished stone 18mm thick (75x50cm) Granite stone - 18mm thick	sqm	0.45	1620.00	729.00
9999	Cement concrete 1:2:4 for fixing	L.S.	21.58	2.00	43.16
9999	Labour for fixing, edge rounding and final polishing .	L.S.	43.16	2.00	86.32
9999	Sundries	L.S.	21.58	2.00	43.16
	TOTAL				901.64 W
	Add 1 % Water charges on "W"				9.02
	TOTAL				910.66 X
	Add GST on "X" (multiplying factor 0.1405)				127.95
	TOTAL				1038.60 Y
	Add 15% CPOH on "Y"				155.79
	TOTAL				1194.39 Z
	Add Cess @ 1% on "Z"				11.94
	Cost of 0.375 sqm				1206.34
	Cost of 1.00 sqm				3216.90
	Say				3216.90

8.11 Providing and fixing machine cut, mirror/ eggshell polished , Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern 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.

8.11.1 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1240	Details of cost for 0.5 sqm MATERIAL Finished work= 0.5 sqm+Add for wastage @ 20%=0.1 sqm. Total 0.60 sqm 18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 sqm).	sqm	0.60	3209.00	1925.40
2216	Carriage of stone slab	tonne	0.03	92.24	2.77
3.8	Cement mortar 1:3 (1 Cement: 3 Coarse sand) Rate as per Item No.3.8 of SH: MORTARS	cum	0.008	4664.55	37.32
0368	White Cement Slurry @ 3.3kg/sqm	tonne	0.00165	11200.00	18.48
2209	Carriage of white Cement	tonne	0.00165	92.24	0.15
9999	Mortar for pointing in white cement LABOUR : FOR fixing	L.S.	25.35	2.00	50.70
0126	Mason (for ornamental stone work) 1st class	day	0.335	738.00	247.23
0100	Bandhani	day	0.335	617.00	206.70
0114	Beldar	day	0.335	558.00	186.93
0115	Coolie	day	0.335	558.00	186.93
0101	Bhisti	day	0.335	617.00	206.70
0128	Mate	day	0.165	617.00	101.81
0102	Blacksmith 1st class	day	0.135	738.00	99.63
9999	Scaffolding	L.S.	13.39	2.00	26.78
	TOTAL				3297.51 W
	Add 1 % Water charges on "W"				32.98
	TOTAL				3330.49 X
	Add GST on "X" (multiplying factor 0.1405)				467.93
	TOTAL				3798.42 Y
	Add 15% CPOH on "Y"				569.76
	TOTAL				4368.18 Z
	Add Cess @ 1% on "Z"				43.68
	Cost of 0.5 sqm				4411.86
	Cost of 1 sqm				8823.73
	Say				8823.75

8.14 Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately) :

8.14.1 Red sand stone - exposed face fine dressed with rough backing.

8.14.1.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 70 cu dm. + Add wastage @ 33.3% = 23.33 cu dm. Total = 93.33 cu dm.				
1160	Red sand stone block	10 cu dm	9.333	79.00	737.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.215	92.24	19.83
9999	Extra for using white cement Dressing charges	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	679.00	916.65
0102	Blacksmith 1st class	day	0.032	738.00	23.62
0114	Beldar	day	0.224	558.00	124.99
0115	Coolie	day	0.112	558.00	62.50
0100	Bandhani	day	0.224	617.00	138.21
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				3334.19 W
	Add 1 % Water charges on "W"				33.34
	TOTAL				3367.54 X
	Add GST on "X" (multiplying factor 0.1405)				473.14
	TOTAL				3840.68 Y
	Add 15% CPOH on "Y"				576.10
	TOTAL				4416.78 Z
	Add Cess @ 1% on "Z"				44.17
	Cost of 1 sqm.				4460.94
	Say				4460.95

8.14.1.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 60 cu dm+Add wastage @ 33.3% = 20 cu dm. Total = 80 cu dm.				
1160	Red sand stone block	10 cu dm	8.00	79.00	632.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	92.24	16.97
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.00	53.82
0125	Mason (for plain stone work) 2nd class	day	1.35	679.00	916.65
0102	Blacksmith 1st class	day	0.032	738.00	23.62
0114	Beldar	day	0.224	558.00	124.99
0115	Coolie	day	0.112	558.00	62.50
0100	Bandhani	day	0.224	617.00	138.21
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				3226.03 W
	Add 1 % Water charges on "W"				32.26
	TOTAL				3258.29 X
	Add GST on "X" (multiplying factor 0.1405)				457.79
	TOTAL				3716.08 Y
	Add 15% CPOH on "Y"				557.41
	TOTAL				4273.49 Z
	Add Cess @ 1% on "Z"				42.73
	Cost of 1 sqm.				4316.22
	Say				4316.20

8.14.1.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL				
	Finished work = 50 cudm+Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.				
1160	Red sand stone block	10 cudm	6.67	79.00	526.93
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.153	92.24	14.11
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.00	53.82
0125	Mason (for plain stone work) 2nd class	day	1.35	679.00	916.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0102	Blacksmith 1st class	day	0.032	738.00	23.62
0114	Beldar	day	0.224	558.00	124.99
0115	Coolie	day	0.112	558.00	62.50
0100	Bandhani	day	0.224	617.00	138.21
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				3118.10 W
	Add 1 % Water charges on "W"				31.18
	TOTAL				3149.28 X
	Add GST on "X" (multiplying factor 0.1405)				442.47
	TOTAL				3591.75 Y
	Add 15% CPOH on "Y"				538.76
	TOTAL				4130.52 Z
	Add Cess @ 1% on "Z"				41.31
	Cost of 1 sqm.				4171.82
	Say				4171.80

8.14.1.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm.				
	MATERIAL				
	Finished work = 40 cudm+Add wastage @ 33.3% = 13.33 cudm.				
	Total = 53.33 cudm.				
1160	Red sand stone block	10 cudm	5.333	79.00	421.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	92.24	11.35
9999	Extra for using white cement	L.S.	26.91	2.00	53.82
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	679.00	916.65
0102	Blacksmith 1st class	day	0.032	738.00	23.62
0114	Beldar	day	0.224	558.00	124.99
0115	Coolie	day	0.112	558.00	62.50
0100	Bandhani	day	0.224	617.00	138.21
	Fixing charges				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				3009.71 W
	Add 1 % Water charges on "W"				30.10
	TOTAL				3039.81 X
	Add GST on "X" (multiplying factor 0.1405)				427.09
	TOTAL				3466.90 Y
	Add 15% CPOH on "Y"				520.03
	TOTAL				3986.93 Z
	Add Cess @ 1% on "Z"				39.87
	Cost of 1 sqm.				4026.80
	Say				4026.80

8.14.1.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm.				
	MATERIAL				
	Finished work = 30 cudm+Add wastage @ 33.3% = 9.99cudm.				
	Total = 39.99 cudm.				
1160	Red sand stone block	10 cudm	3.999	79.00	315.92
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.092	92.24	8.49
9999	Extra for using white cement	L.S.	26.91	2.00	53.82
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	679.00	916.65
0102	Blacksmith 1st class	day	0.032	738.00	23.62
0114	Beldar	day	0.224	558.00	124.99
0115	Coolie	day	0.112	558.00	62.50
0100	Bandhani	day	0.224	617.00	138.21
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
3.8	Mortar for laying and pointing				
	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				2901.46 W
	Add 1 % Water charges on "W"				29.01
	TOTAL				2930.48 X
	Add GST on "X" (multiplying factor 0.1405)				411.73
	TOTAL				3342.21 Y
	Add 15% CPOH on "Y"				501.33
	TOTAL				3843.54 Z
	Add Cess @ 1% on "Z"				38.44
	Cost of 1 sqm.				3881.98
	Say				3882.00

8.14.2 Red sand stone - Exposed face machine cut and table rubbed with rough backing.
8.14.2.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 70 cu dm + Add wastage @ 33.3% = 23.33 cu dm. Total = 93.33 cu dm.				
1160	Red sand stone block	10 cu dm	9.333	79.00	737.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.215	92.24	19.83
9999	Extra for using white cement	L.S.	26.91	2.00	53.82
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	679.00	1833.30
0102	Blacksmith 1st class	day	0.064	738.00	47.23
0114	Beldar	day	0.448	558.00	249.98
0115	Coolie	day	0.224	558.00	124.99
0100	Bandhani	day	0.448	617.00	276.42
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				4600.16 W
	Add 1 % Water charges on "W"				46.00
	TOTAL				4646.16 X
	Add GST on "X" (multiplying factor 0.1405)				652.79
	TOTAL				5298.94 Y
	Add 15% CPOH on "Y"				794.84
	TOTAL				6093.78 Z
	Add Cess @ 1% on "Z"				60.94
	Cost of 1 sqm.				6154.72
	Say				6154.70

8.14.2.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm.				
	MATERIAL				
	Finished work = 60 cudm+Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.				
1160	Red sand stone block	10 cudm	8.00	79.00	632.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	92.24	16.97
9999	Extra for using white cement Dressing charges	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	679.00	1833.30
0102	Blacksmith 1st class	day	0.064	738.00	47.23
0114	Beldar	day	0.448	558.00	249.98
0115	Coolie	day	0.224	558.00	124.99
0100	Bandhani	day	0.448	617.00	276.42
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	4664.55	83.96 4491.99 W 44.92 4536.91 X 637.44 5174.35 Y 776.15 5950.50 Z 59.50 6010.00 6010.00

8.14.2.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 50 cudm+Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.				
1160	Red sand stone block	10 cudm	6.67	79.00	526.93
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.153	92.24	14.11
9999	Extra for using white cement Dressing charges	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	679.00	1833.30
0102	Blacksmith 1st class	day	0.064	738.00	47.23
0114	Beldar	day	0.448	558.00	249.98
0115	Coolie	day	0.224	558.00	124.99
0100	Bandhani	day	0.448	617.00	276.42
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				4384.06 W
	Add 1 % Water charges on "W"				43.84
	TOTAL				4427.90 X
	Add GST on "X" (multiplying factor 0.1405)				622.12
	TOTAL				5050.02 Y
	Add 15% CPOH on "Y"				757.50
	TOTAL				5807.52 Z
	Add Cess @ 1% on "Z"				58.08
	Cost of 1 sqm.				5865.60
	Say				5865.60

8.14.2.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm.				
	MATERIAL				
	Finished work = 40 cudm+Add wastage @ 33.3% = 13.33 cudm.				
	Total = 53.33 cudm.				
1160	Red sand stone block	10 cudm	5.333	79.00	421.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	92.24	11.35
9999	Extra for using white cement	L.S.	26.91	2.00	53.82
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	679.00	1833.30
0102	Blacksmith 1st class	day	0.064	738.00	47.23
0114	Beldar	day	0.448	558.00	249.98
0115	Coolie	day	0.224	558.00	124.99
0100	Bandhani	day	0.448	617.00	276.42
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				4275.67 W
	Add 1 % Water charges on "W"				42.76
	TOTAL				4318.43 X
	Add GST on "X" (multiplying factor 0.1405)				606.74
	TOTAL				4925.17 Y
	Add 15% CPOH on "Y"				738.77
	TOTAL				5663.94 Z
	Add Cess @ 1% on "Z"				56.64
	Cost of 1 sqm.				5720.58
	Say				5720.60

8.14.2.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm.				
	MATERIAL				
	Finished work = 30 cudm. Add wastage @ 33.3% = 9.99cudm.				
	Total = 39.99 cudm.				
1160	Red sand stone block	10 cudm	3.999	79.00	315.92
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.092	92.24	8.49
9999	Extra for using white cement	L.S.	26.91	2.00	53.82
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	679.00	1833.30
0102	Blacksmith 1st class	day	0.064	738.00	47.23
0114	Beldar	day	0.448	558.00	249.98
0115	Coolie	day	0.224	558.00	124.99
0100	Bandhani	day	0.448	617.00	276.42
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	4664.55	83.96 4167.42 W 41.67 4209.10 X 591.38 4800.48 Y 720.07 5520.55 Z 55.21 5575.75 5575.75

8.14.3 White sand stone - exposed face fine dressed with rough backing .

8.14.3.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 70 cu dm. Add wastage @ 33.3% = 23.33 cu dm. Total = 93.33 cu dm.				
1161	White sand stone block	10 cu dm	9.333	205.00	1913.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.215	92.24	19.83
9999	Extra for using white cement Dressing charges	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	679.00	916.65
0102	Blacksmith 1st class	day	0.032	738.00	23.62
0114	Beldar	day	0.224	558.00	124.99
0115	Coolie	Day	0.112	558.00	62.50
0100	Bandhani	day	0.224	617.00	138.21
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	4664.55	83.96 4510.15 W 45.10 4555.25 X 640.01 5195.27 Y 779.29 5974.56 Z 59.75 6034.30 6034.30

8.14.3.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 60 cudm. Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.				
1161	White sand stone block	10 cudm	8.00	205.00	1640.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	92.24	16.97
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.00	53.82
0125	Mason (for plain stone work) 2nd class)	day	1.35	679.00	916.65
0102	Blacksmith 1st class	day	0.032	738.00	23.62
0114	Beldar	day	0.224	558.00	124.99
0115	Coolie	day	0.112	558.00	62.50
0100	Bandhani	day	0.224	617.00	138.21
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Mortar for laying and pointing	L.S.	19.76	2.00	39.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				4234.03 W
	Add 1 % Water charges on "W"				42.34
	TOTAL				4276.37 X
	Add GST on "X" (multiplying factor 0.1405)				600.83
	TOTAL				4877.20 Y
	Add 15% CPOH on "Y"				731.58
	TOTAL				5608.78 Z
	Add Cess @ 1% on "Z"				56.09
	Cost of 1 sqm.				5664.87
	Say				5664.85

8.14.3.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL				
	Finished work = 50 cudm. Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.				
1161	White sand stone block	10 cudm	6.67	205.00	1367.35
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.153	92.24	14.11
9999	Extra for using white cement Dressing charges	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	679.00	916.65
0102	Blacksmith 1st class	day	0.032	738.00	23.62
0114	Beldar	day	0.224	558.00	124.99
0115	Coolie	day	0.112	558.00	62.50
0100	Bandhani	day	0.224	617.00	138.21
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				3958.52 W
	Add 1 % Water charges on "W"				39.59
	TOTAL				3998.10 X
	Add GST on "X" (multiplying factor 0.1405)				561.73
	TOTAL				4559.84 Y
	Add 15% CPOH on "Y"				683.98
	TOTAL				5243.81 Z
	Add Cess @ 1% on "Z"				52.44
	Cost of 1 sqm.				5296.25
	Say				5296.25

8.14.3.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL				
	Finished work = 40 cudm+Add wastage @ 33.3% = 13.3 cudm. Total = 53.3 cudm.				
1161	White sand stone block	10 cudm	5.33	205.00	1092.65
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.123	92.24	11.35
9999	Extra for using white cement	L.S.	26.91	2.00	53.82
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	679.00	916.65
0102	Blacksmith 1st class	day	0.032	738.00	23.62
0114	Beldar	day	0.224	558.00	124.99
0115	Coolie	day	0.112	558.00	62.50
0100	Bandhani	day	0.224	617.00	138.21
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				3681.05 W
	Add 1 % Water charges on "W"				36.81
	TOTAL				3717.86 X
	Add GST on "X" (multiplying factor 0.1405)				522.36
	TOTAL				4240.22 Y
	Add 15% CPOH on "Y"				636.03
	TOTAL				4876.25 Z
	Add Cess @ 1% on "Z"				48.76
	Cost of 1 sqm.				4925.02
	Say				4925.00

8.14.3.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm.				
	MATERIAL				
	Finished work = 30 cu dm + Add wastage @ 33.3% = 9.99 cu dm.				
	Total = 39.99 cu dm.				
1161	White sand stone block	10 cu dm	3.999	205.00	819.80
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cu dm.	tonne	0.092	92.24	8.49
9999	Extra for using white cement	L.S.	26.91	2.00	53.82
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	679.00	916.65
0102	Blacksmith 1st class	day	0.032	738.00	23.62
0114	Beldar	day	0.224	558.00	124.99
0115	Coolie	day	0.112	558.00	62.50
0100	Bandhani	day	0.224	617.00	138.21
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				3405.34 W
	Add 1 % Water charges on "W"				34.05
	TOTAL				3439.39 X
	Add GST on "X" (multiplying factor 0.1405)				483.23
	TOTAL				3922.62 Y
	Add 15% CPOH on "Y"				588.39
	TOTAL				4511.02 Z
	Add Cess @ 1% on "Z"				45.11
	Cost of 1 sqm.				4556.13
	Say				4556.15

8.14.4 White sand stone - Exposed face machine cut and table rubbed with rough backing.

8.14.4.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm.				
	MATERIAL				
	Finished work = 70 cudm. Add wastage @ 33.3% = 23.33 cudm. Total = 93.33 cudm.				
1161	White sand stone block	10 cudm	9.333	205.00	1913.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	92.24	19.83
9999	Extra for using white cement	L.S.	26.91	2.00	53.82
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	679.00	1833.30
0102	Blacksmith 1st class	day	0.064	738.00	47.23
0114	Beldar	day	0.448	558.00	249.98
0115	Coolie	day	0.224	558.00	124.99
0100	Bandhani	day	0.448	617.00	276.42
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	4664.55	83.96 5776.11 W 57.76 5833.88 X 819.66 6653.54 Y 998.03 7651.57 Z 76.52 7728.08 7728.10

8.14.4.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 60 cudm+Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.				
1161	White sand stone block	10 cudm	8.00	205.00	1640.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	92.24	16.97
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.00	53.82
0125	Mason (for plain stone work) 2nd class)	day	2.70	679.00	1833.30
0102	Blacksmith 1st class	day	0.064	738.00	47.23
0114	Beldar	day	0.448	558.00	249.98
0115	Coolie	day	0.224	558.00	124.99
0100	Bandhani	day	0.448	617.00	276.42
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Mortar for laying and pointing	L.S.	19.76	2.00	39.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	4664.55	83.96 5499.99 W 55.00 5554.99 X 780.48 6335.47 Y 950.32 7285.79 Z 72.86 7358.64 7358.65

8.14.4.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 50 cudm+Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.				
1161	White sand stone block	10 cudm	6.67	205.00	1367.35
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.153	92.24	14.11
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.00	53.82
0125	Mason (for plain stone work) 2nd class)	day	2.70	679.00	1833.30
0102	Blacksmith 1st class	day	0.064	738.00	47.23
0114	Beldar	day	0.448	558.00	249.98
0115	Coolie	day	0.224	558.00	124.99
0100	Bandhani	day	0.448	617.00	276.42
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Mortar for laying and pointing	L.S.	19.76	2.00	39.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 1 sqm. Say	cum	0.018	4664.55	83.96 5224.48 W 52.24 5276.73 X 741.38 6018.11 Y 902.72 6920.82 Z 69.21 6990.03 6990.05

8.14.4.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 40 cu dm + Add wastage @ 33.3% = 13.3 cu dm. Total = 53.3 cu dm.				
1161	White sand stone block	10 cu dm	5.33	205.00	1092.65
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cu dm.	tonne	0.123	92.24	11.35
9999	Extra for using white cement Dressing charges LABOUR	L.S.	26.91	2.00	53.82
0125	Mason (for plain stone work) 2nd class)	day	2.70	679.00	1833.30
0102	Blacksmith 1st class	day	0.064	738.00	47.23
0114	Beldar	day	0.448	558.00	249.98
0115	Coolie	day	0.224	558.00	124.99
0100	Bandhani	day	0.448	617.00	276.42
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding Mortar for laying and pointing	L.S.	19.76	2.00	39.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				4947.01 W
	Add 1 % Water charges on "W"				49.47
	TOTAL				4996.48 X
	Add GST on "X" (multiplying factor 0.1405)				702.01
	TOTAL				5698.49 Y
	Add 15% CPOH on "Y"				854.77
	TOTAL				6553.26 Z
	Add Cess @ 1% on "Z"				65.53
	Cost of 1 sqm.				6618.80
	Say				6618.80

8.14.4.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL				
	Finished work = 30 cu dm + Add wastage @ 33.3% = 9.99 cu dm. Total = 39.99 cu dm.				
1161	White sand stone block	10 cu dm	3.999	205.00	819.80
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cu dm.	tonne	0.092	92.24	8.49
9999	Extra for using white cement Dressing charges	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	679.00	1833.30
0102	Blacksmith 1st class	day	0.064	738.00	47.23
0114	Beldar	day	0.448	558.00	249.98
0115	Coolie	day	0.224	558.00	124.99
0100	Bandhani	day	0.448	617.00	276.42
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Mortar for laying and pointing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				4671.30 W
	Add 1 % Water charges on "W"				46.71
	TOTAL				4718.01 X
	Add GST on "X" (multiplying factor 0.1405)				662.88
	TOTAL				5380.89 Y
	Add 15% CPOH on "Y"				807.13
	TOTAL				6188.03 Z
	Add Cess @ 1% on "Z"				61.88
	Cost of 1 sqm.				6249.91
	Say				6249.90

8.14.5 Gang saw cut stone

8.14.5.1 30mm thick White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8684	Details of cost for 1 sqm. MATERIAL 1.00 sqm + 0.05 sqm (Add wastage @ 5%) = 1.05 sqm White sand stone gang saw cut 30 mm thick	sqm	1.05	560.00	588.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.072	92.24	6.64
9999	Extra for using white cement Fixing charges	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				1905.74 W
	Add 1 % Water charges on "W"				19.06
	TOTAL				1924.79 X
	Add GST on "X" (multiplying factor 0.1405)				270.43
	TOTAL				2195.23 Y
	Add 15% CPOH on "Y"				329.28
	TOTAL				2524.51 Z
	Add Cess @ 1% on "Z"				25.25
	Cost of 1 sqm.				2549.75
	Say				2549.75

8.14.5.2 30mm thick Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8683	Details of cost for 1 sqm. MATERIAL 1.00 sqm + 0.05 sqm (Add wastage @ 5%) = 1.05 sqm Red sand stone gang saw cut 30 mm thick	sqm	1.05	425.00	446.25
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.072	92.24	6.64
9999	Extra for using white cement Fixing charges	L.S.	26.91	2.00	53.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
0101	Bhisti	day	0.336	617.00	207.31
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4664.55	83.96
	TOTAL				1763.99 W
	Add 1 % Water charges on "W"				17.64
	TOTAL				1781.63 X
	Add GST on "X" (multiplying factor 0.1405)				250.32
	TOTAL				2031.94 Y
	Add 15% CPOH on "Y"				304.79
	TOTAL				2336.73 Z
	Add Cess @ 1% on "Z"				23.37
	Cost of 1 sqm.				2360.10
	Say				2360.10

8.15 Providing and fixing stainless steel cramps of required size and shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases in stone and holes in walls wherever required.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one cramp of 0.934kg MATERIAL Stainless steel cramp $10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^{-5}$ $10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^{-5}$ $= 13.3 \times 10^{-5}$ less hole $10 \times 0.024 \times 0.010 \times 0.006$ $= 1.4 \times 10^{-5}$ $= 11.9 \times 10^{-5} \times 7850 = 0.934 \text{ kg}$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7339	Add wastage @ 5% = 0.047kg. Total = 0.981 kg.	kilogram	0.981	290.00	284.49
9977	Stainless steel cramp	L.S.	3.90	2.00	7.80
3.7	CARRIAGE Cement mortar 1:2 (1 cement : 2 coarse sand)				
9999	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5345.55	5.35
	Labour for fixing in position	L.S.	65.00	2.00	130.00
	TOTAL				427.64 W
	Add 1 % Water charges on "W"				4.28
	TOTAL				431.91 X
	Add GST on "X" (multiplying factor 0.1405)				60.68
	TOTAL				492.60 Y
	Add 15% CPOH on "Y"				73.89
	TOTAL				566.48 Z
	Add Cess @ 1% on "Z"				5.66
	Cost for 0.934 kg.				572.15
	Cost per kg				612.58
	Say				612.60

8.16 Providing and fixing copper pins 7.5 cm long 6 mm diameter for securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0873	Details of cost for one copper pin				
9999	MATERIAL Copper pins 6 mm dia 7.5 cm long	each	1.00	10.00	10.00
3.7	Labour for making pin in to required shape and size, cutting chases in stone and fixing in position	L.S.	3.90	2.00	7.80
9999	Cement mortar 1:2 (1 cement : 2 coarse sand)				
	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5345.55	5.35
	Sundries including hire charges of hand cut machine etc.	L.S.	1.95	2.00	3.90
	TOTAL				27.05 W
	Add 1 % Water charges on "W"				0.27
	TOTAL				27.32 X
	Add GST on "X" (multiplying factor 0.1405)				3.84
	TOTAL				31.15 Y
	Add 15% CPOH on "Y"				4.67
	TOTAL				35.83 Z
	Add Cess @ 1% on "Z"				0.36
	Cost of one copper pin				36.19
	Say				36.20

- 8.17 Wall lining butch work upto 10m height with Dholpur stone 40 mm thick rough facing on the exposed surface with stone strips of minimum length 300 mm and required width, including embedding every tenth layer and bottom most layer in masonry or concrete after making necessary chases of size 75x75 mm and by providing layer of 75 mm thick strips i/c 12 mm thick bed of cement mortar 1:3 (1 Cement : 3 coarse sand) i/c ruled pointing in cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment to match the shade of stone complete as per direction of Engineer-in-charge.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1165	Details of cost for 1sqm. Dholpur stone 40mm thick Wall face = 1.00sqm. Deduct for embedded portion 3x0.04x1.0 = 0.12 sqm. Net quantity = 0.88sqm. Add wastage 5% = 0.04sqm. Total = 0.92 sqm. White sand stone slab 40 mm thick (un-dressed) 75mm thick 3x0.04x1.0 = 0.12 sqm. Add wastage 5% = 0.01 sqm. Total = 0.13 sqm.	sqm	0.92	200.00	184.00
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	0.13	900.00	117.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab 0.92x0.04 = 0.0368 cum. 0.13x0.075 = 0.0100 cum. = 0.0468 cum. or 468 cudm. 468 cudm @ 2.3 kg/cudm = 108 kg = 0.108 tonne	tonne	0.108	92.24	9.96
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device Assuming 50mm thick strips 20x1.0 = 20 metre Mortar with coarse sand 1:3 for (a) stone backing 12mm thick = 0.0144 cum. (b) for fixing of stone = 0.40/25 = 0.0160 cum. Total = 0.0304 cum.	metre	20.00	10.00	200.00
3.8	Rate as per Item Number 3.8 of SH: Mortars Cutting chases and making good with mortar after insurting stone etc.	cum	0.0304	4664.55	141.80
18.78	Rate as per Item Number 18.78 of SH: Water	metre	3.00	154.15	462.45 A
9999	White cement and pigment for pointing	L.S.	40.43	2.00	80.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0126	LABOUR Mason (for ornamental stone work) 1st class	day	0.25	738.00	184.50
0125	Mason (for plain stone work) 2nd class)	day	0.25	679.00	169.75
0114	Beldar	day	0.50	558.00	279.00
0101	Bhisti	day	0.03	617.00	18.51
9999	Sundries and scaffolding brushes etc.	L.S.	26.91	2.00	53.82
	TOTAL				1901.65 W
	Add 1 % Water charges on "W-A"				14.39
	TOTAL				1916.05 X
	Add GST on "X-A" (multiplying factor 0.1405)				204.23
	TOTAL				2120.28 Y
	Add 15% CPOH on "Y-A"				248.67
	TOTAL				2368.95 Z
	Add Cess @ 1% on "Z-A"				19.07
	Cost of 1sqm.				2388.02
	Say				2388.00

8.18 Stone work (machine cut edges Veneer work) for wall lining upto 10 m height, backing filled with a grout of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust), including rubbing and polishing complete. (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately).

8.18.1 Kota stone slabs exposed face dressed and rubbed.

8.18.1.1 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL 25mm thick kota stone slabs = 10 sqm. Add 15% wastage = 1.50 sqm. Total = 11.50 sqm.				
1169	Kotastone slab 25mm thick (rough cheseled)	sq.m.	11.50	301.00	3461.50
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4664.55	671.70
9999	Cement mortar for pointing.	L.S.	40.43	2.00	80.86
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	6.50	679.00	4413.50
0114	Beldar	day	6.50	558.00	3627.00
0115	Coolie	day	4.30	558.00	2399.40
0139	Skilled Beldar (for floor rubbing etc.)	day	10.80	617.00	6663.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	111.54	2.00	223.08
	TOTAL				21602.44 W
	Add 1 % Water charges on "W"				216.02
	TOTAL				21818.46 X
	Add GST on "X" (multiplying factor 0.1405)				3065.49
	TOTAL				24883.95 Y
	Add 15% CPOH on "Y"				3732.59
	TOTAL				28616.55 Z
	Add Cess @ 1% on "Z"				286.17
	Cost for 10 sqm.				28902.71
	Cost of 1 sqm.				2890.27
	Say				2890.25

8.19 Extra for stone work for wall lining on exterior walls of height more than 10 m from ground level for every additional height of 3 m or part there of.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 10 sqm Analysis same as Item Number 13.74				
	MATERIAL				
9999	Scaffolding	L.S.	215.28	2.00	430.56
0123	Mason (brick layer) 1st class	day	0.30	738.00	221.40
0114	Beldar	day	0.30	558.00	167.40
0101	Bhisti	day	0.15	617.00	92.55
9999	Sundries	L.S.	28.6	2.00	57.20
	TOTAL				969.11 W
	Add 1 % Water charges on "W"				9.69
	TOTAL				978.80 X
	Add GST on "X" (multiplying factor 0.1405)				137.52
	TOTAL				1116.32 Y
	Add 15% CPOH on "Y"				167.45
	TOTAL				1283.77 Z
	Add Cess @ 1% on "Z"				12.84
	Cost of 10.00 sqm				1296.61
	Cost of 1.00 sqm				129.66
	Say				129.65

8.20 Providing and fixing dry cladding upto 10 metre heights with 30mm thick gang saw cut stone with (machine cut edges) of uniform colour and size upto 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).

8.20.1 Red sand stone - 30mm thick gang saw cut stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8683	Details of cost for 1 sqm. MATERIAL Red sand stone = 1.00sqm. Add 5% wastage = 0.05sqm. Total = 1.05 sqm Red sand stone gang saw cut 30 mm thick	sqm	1.05	425.00	446.25
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm Fixing Charges	tonne	0.072	92.24	6.64
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49
0115	Coolie	day	0.336	558.00	187.49
1237	Cutting marble or sand stone slab up to 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
9999	Fixing including weather sealant and removing	L.S.	51.10	2.00	102.20
9999	Silicon gun/ pump etc.	L.S.	68.25	2.00	136.50
	TOTAL				1657.59 W
	Add 1 % Water charges on "W"				16.58
	TOTAL				1674.17 X
	Add GST on "X" (multiplying factor 0.1405)				235.22
	TOTAL				1909.39 Y
	Add 15% CPOH on "Y"				286.41
	TOTAL				2195.80 Z
	Add Cess @ 1% on "Z"				21.96
	Cost of 1 sqm				2217.75
	Say				2217.75

8.20.2 White sand stone - 30mm thick gang saw cut stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8684	Details of cost for 1 sqm. MATERIAL Red sand stone = 1.00sqm Add 5% wastage = 0.05sqm Total = 1.05 sqm White sand stone gang saw cut 30 mm thick	sqm	1.05	560.00	588.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm Fixing Charges	tonne	0.072	92.24	6.64
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	679.00	304.19
0100	Bandhani	day	0.336	617.00	207.31
0114	Beldar	day	0.336	558.00	187.49

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.336	558.00	187.49
1237	Cutting marble or sand stone slab up to 50 mm thick by mechanical device	metre	4.00	10.00	40.00
9999	Scaffolding	L.S.	19.76	2.00	39.52
9999	Fixing including weather sealant and removing	L.S.	51.10	2.00	102.20
9999	Silicon gun/ pump etc.	L.S.	68.25	2.00	136.50
	TOTAL				1799.34 W
	Add 1 % Water charges on "W"				17.99
	TOTAL				1817.33 X
	Add GST on "X" (multiplying factor 0.1405)				255.34
	TOTAL				2072.67 Y
	Add 15% CPOH on "Y"				310.90
	TOTAL				2383.57 Z
	Add Cess @ 1% on "Z"				23.84
	Cost of 1 sqm				2407.41
	Say				2407.40

- 8.21 Providing and fixing structural steel frame (for dry cladding with 30 mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square/ rectangular tube in the required pattern as per architectural drawing, including cost of cutting, bending, welding etc. The frame work shall be fixed to the wall with the help of M.S. brackets/ lugs of angle iron/ flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps/ pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100.78 kg. M.S. tube 50x25x18mm Vertical 4.0x3.0 mtr = 12.00 Vertical 4.0x3.0x0.93 =11.16 m Total = 23.16 mtr Add 10% wastage = 2.32 m Total 25.48mtr @ 2.02 kg/m = 51.47 kg				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4009	Mild steel tubes hot finished welded type Angle iron 50x50x6mm 16x0.60=9.60 16x0.15=2.40 Total=12.00 Add 10% wastage = 1.20m Total=13.20m @4.50kg/m=59.40kg or 0.594 q	kilogram	51.47	57.00	2933.79
1007	Structurals such as tees, angles channels and R.S. joists Cement concrete 1:2:4 = 16x0.30x0.23x0.30=0.331 cum	quintal	0.594	4600.00	2732.40
4.1.3	Rate as per item no. 4.1.3 of SH : concrete work Making holes in brick work=16nos. LABOUR	cum	0.331	6788.60	2247.03 A
0123	Mason (brick layer) 1st class	day	0.26	738.00	191.88
0124	Mason (brick layer) 2nd class	day	0.26	679.00	176.54
0114	Beldar	day	2.00	558.00	1116.00
	Welding for frame welding 16x(2.5+5+2.5+5) = 240 cm For hold fast 16x20cm = 320cm Total = 560cm				
1215	Welding by electric plant LABOUR	cm	560.00	2.00	1120.00
0102	Blacksmith 1st class	day	1.34	738.00	652.58
0100	Bandhani	day	0.67	617.00	272.69
0114	Beldar	day	4.92	558.00	1810.56
9999	Sundries	L.S.	80.73	2.00	139.66
	Painting with epoxy paint over and including priming coat area 22.80x0.15 = 3.42 12x0.2 = 2.40 Total = 5.82sqm				
13.52.1	Rate as per Item no. 13.52.1 of SH: Finishing	sqm	5.82	189.75	1104.35 A
9999	For labour scaffolding etc	L.S.	80.73	2.00	161.46
	TOTAL				14658.93 W
	Add 1 % Water charges on "W-A"				113.08
	TOTAL				14772.01 X
	Add GST on "X-A" (multiplying factor 0.1405)				1604.60
	TOTAL				16376.61 Y
	Add 15% CPOH on "Y-A"				1953.79
	TOTAL				18330.39 Z
	Add Cess @ 1% on "Z-A"				149.79
	Cost for 100.78 kg				18480.18
	Cost for 1 kg				183.37
	Say				183.35

8.22 Providing and fixing adjustable stainless steel cramps of approved quality, required shape and size, adjustable with stainless steel nuts, bolts and washer (total weight not less than 260 gms), for dry stone cladding fixed on frame work at suitable location, including making necessary recesses in stone slab, drilling required holes etc complete as per direction of the Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8698	Details of cost for 10 Nos. Stainless steel cramps (weight 260 grams) with nuts, bolts and washer for dry stone cladding LABOUR For making holes, recesses etc. and fixing of stainless steel cramps.	each	10.00	100.00	1000.00
0103	Blacksmith 2nd class	day	0.10	679.00	67.90
0124	Mason (brick layer) 2nd class	day	1.00	679.00	679.00
0114	Beldar	day	1.10	558.00	613.80
9999	Scaffolding, hire charges of drill machine etc.	L.S.	20.8	2.00	41.60
9999	Sundries	L.S.	20.8	2.00	41.60
	TOTAL				2443.90 W
	Add 1 % Water charges on "W"				24.44
	TOTAL				2468.34 X
	Add GST on "X" (multiplying factor 0.1405)				346.80
	TOTAL				2815.14 Y
	Add 15% CPOH on "Y"				422.27
	TOTAL				3237.41 Z
	Add Cess @ 1% on "Z"				32.37
	Cost for 10 Nos.				3269.79
	Cost for 1 Nos.				326.98
	Say				327.00

8.23 Providing 50x50x50 mm 2nd class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) and making good the walls etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 Nos. MATERIAL Teak wood (2nd class) 100x(50x50x50)mm = 0.0125cum Add wastage @ 10% = 0.0013 cum. Total = 0.0138 cum. Say 14 cudm.				
1189	Second class teak wood in scantling	10 cudm	1.40	776.00	1086.40
2204	Carriage of Timber	cum	0.014	118.59	1.66
	Cement mortar 1 : 3 (1 cement : 3 fine sand)				
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.002	4183.05	8.37
	LABOUR				
0112	Carpenter 2nd class	day	0.75	679.00	509.25
0124	Mason (brick layer) 2nd class	day	0.75	679.00	509.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.75	558.00	418.50
	TOTAL				2533.43 W
	Add 1 % Water charges on "W"				25.33
	TOTAL				2558.76 X
	Add GST on "X" (multiplying factor 0.1405)				359.51
	TOTAL				2918.27 Y
	Add 15% CPOH on "Y"				437.74
	TOTAL				3356.01 Z
	Add Cess @ 1% on "Z"				33.56
	Cost of 100 nos.				3389.57
	Cost of 1 no.				33.90
	Say				33.90

8.24 Providing and fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work / CC/ R.C.C. and making good etc. complete.

8.24.1 25 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7312	Details of cost of 10 nos. MATERIAL Expandable fastner with plastic sleeve and M.S. screws. 25 mm long	each	10.00	10.00	100.00
9999	Labour for drilling holes and making good etc.	L.S.	20.80	2.00	41.60
	TOTAL				141.60 W
	Add 1 % Water charges on "W"				1.42
	TOTAL				143.02 X
	Add GST on "X" (multiplying factor 0.1405)				20.09
	TOTAL				163.11 Y
	Add 15% CPOH on "Y"				24.47
	TOTAL				187.58 Z
	Add Cess @ 1% on "Z"				1.88
	Cost of 10 nos.				189.45
	Cost of 1 no.				18.95
	Say				18.95

8.24.2 32 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7313	Details of cost of 10 nos. MATERIAL Expandable fastner with plastic sleeve and M.S. screws. 32 mm long	each	10.00	10.00	100.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Labour for drilling holes and making good etc.	L.S.	26.00	2.00	52.00
	TOTAL				152.00 W
	Add 1 % Water charges on "W"				1.52
	TOTAL				153.52 X
	Add GST on "X" (multiplying factor 0.1405)				21.57
	TOTAL				175.09 Y
	Add 15% CPOH on "Y"				26.26
	TOTAL				201.35 Z
	Add Cess @ 1% on "Z"				2.01
	Cost of 10 nos.				203.37
	Cost of 1 no.				20.34
	Say				20.35

8.24.3 40 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7314	Details of cost of 10 nos. MATERIAL Expandable fastner with plastic sleeve and M.S. screws. 40 mm long	each	10.00	13.00	130.00
9999	Labour for drilling holes and making good etc.	L.S.	26.00	2.00	52.00
	TOTAL				182.00 W
	Add 1 % Water charges on "W"				1.82
	TOTAL				183.82 X
	Add GST on "X" (multiplying factor 0.1405)				25.83
	TOTAL				209.65 Y
	Add 15% CPOH on "Y"				31.45
	TOTAL				241.09 Z
	Add Cess @ 1% on "Z"				2.41
	Cost of 10 nos.				243.50
	Cost of 1 no.				24.35
	Say				24.35

8.24.4 50 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7315	Details of cost of 10 nos. MATERIAL Expandable fastner with plastic sleeve and M.S. screws. 50 mm long	each	10.00	14.00	140.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Labour for drilling holes and making good etc.	L.S.	26.00	2.00	52.00
	TOTAL				192.00 W
	Add 1 % Water charges on "W"				1.92
	TOTAL				193.92 X
	Add GST on "X" (multiplying factor 0.1405)				27.25
	TOTAL				221.17 Y
	Add 15% CPOH on "Y"				33.17
	TOTAL				254.34 Z
	Add Cess @ 1% on "Z"				2.54
	Cost of 10 nos.				256.88
	Cost of 1 no.				25.69
	Say				25.70

8.25 Providing and fixing 2nd class teak wood plain lining tongued and grooved, including wooden plugs complete with necessary screws and priming coat on unexposed surface.

8.25.1 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 10 sqm				
	MATERIAL				
	Teak wood (2nd class) 10x0.04m = 0.40cum+				
	Add wastage @ 10% = 0.04 cum.				
	Total = 0.44 cum. Say 440 cudm.				
1190	Second class teak wood in planks	10 cudm	44.00	791.00	34804.00
1231	Extra for selected planks of second class teakwood	10 cudm	44.00	150.00	6600.00
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)				
9.32	Rate as per item no 9.32 of SH : Wood work and PVC work	each	55.00	33.90	1864.50 A
	Priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	57.05	570.50 A
2204	Carriage of Timber	cum	0.44	118.59	52.18
	LABOUR				
	For planning and fixing				
0111	Carpenter 1st class	day	2.15	738.00	1586.70
0114	Beldar	day	1.62	558.00	903.96

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries & screws etc.	L.S.	53.82	2.00	107.64
	TOTAL				46489.48 W
	Add 1 % Water charges on "W-A"				440.54
	TOTAL				46930.02 X
	Add GST on "X-A" (multiplying factor 0.1405)				6251.55
	TOTAL				53181.58 Y
	Add 15% CPOH on "Y-A"				7611.99
	TOTAL				60793.56 Z
	Add Cess @ 1% on "Z-A"				583.59
	Cost of 10 sqm.				61377.15
	Cost of 1 sqm.				6137.71
	Say				6137.70

8.25.2 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 10 sqm				
	MATERIAL				
	Teak wood 2nd class 10x0.25 = 0.25cum+				
	Add wastage @ 10% = 0.025 cum.				
	Total = 0.275 cum. Say 275 cudm.				
1190	Second class teak wood in planks	10 cudm	27.50	791.00	21752.50
1231	Extra for selected planks of second class teakwood	10 cudm	27.50	150.00	4125.00
2204	Carriage of Timber	cum	0.275	118.59	32.61
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)				
9.32	Rate as per item no 9.32 of SH : Wood work	each	55.00	33.90	1864.50 A
	Priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	57.05	570.50 A
	LABOUR				
0111	Carpenter 1st class	day	2.15	738.00	1586.70
0114	Beldar	day	1.62	558.00	903.96
9999	Sundries & screws etc.	L.S.	53.82	2.00	107.64
	TOTAL				30943.41 W
	Add 1 % Water charges on "W-A"				285.08
	TOTAL				31228.50 X
	Add GST on "X-A" (multiplying factor 0.1405)				4045.49
	TOTAL				35273.98 Y
	Add 15% CPOH on "Y-A"				4925.85
	TOTAL				40199.83 Z
	Add Cess @ 1% on "Z-A"				377.65
	Cost of 10 sqm.				40577.48
	Cost of 1 sqm.				4057.75
	Say				4057.75

8.25.3 20 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 10 sqm MATERIAL Teak wood (2nd class) 10x0.02m = 0.20cum.+ Add wastage @ 10% = 0.02 cum. Total = 0.22 cum. Say 220 cudm.				
1190	Second class teak wood in planks	10 cudm	22.00	791.00	17402.00
1231	Extra for selected planks of second class teakwood	10 cudm	22.00	150.00	3300.00
2204	Carriage of Timber	cum	0.22	118.59	26.09
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)				
9.32	Rate as per item no 9.32 of SH : Wood work	each	55.00	33.90	1864.50 A
	Priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	57.05	570.50 A
	LABOUR				
0111	Carpenter 1st class	day	1.08	738.00	797.04
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.08	558.00	602.64
9999	Sundries & screws etc.	L.S.	53.82	2.00	107.64
	TOTAL				25213.61 W
	Add 1 % Water charges on "W-A"				227.79
	TOTAL				25441.40 X
	Add GST on "X-A" (multiplying factor 0.1405)				3232.40
	TOTAL				28673.79 Y
	Add 15% CPOH on "Y-A"				3935.82
	TOTAL				32609.61 Z
	Add Cess @ 1% on "Z-A"				301.75
	Cost of 10 sqm.				32911.36
	Cost of 1 sqm.				3291.14
	Say				3291.15

8.25.4 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 10 sqm Wood- Second class teak wood 10x0.012 = 0.12 cum.+ Add wastage @ 10% = 0.012 cum. Total = 0.132 cum. Say 132 cudm.				
1190	Second class teak wood in planks	10 cudm	13.20	791.00	10441.20
1231	Extra for selected planks of second class teakwood	10 cudm	13.20	150.00	1980.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber	cum	0.132	118.59	15.65
9.32	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) Rate as per item no 9.32 of SH : Wood work	each	55.00	33.90	1864.50 A
0111	LABOUR				
0111	Carpenter 1st class	day	1.08	738.00	797.04
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.08	558.00	602.64
	Priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	57.05	570.50 A
9999	Sundries & screws etc.	L.S.	53.82	2.00	107.64
	TOTAL				16922.37 W
	Add 1 % Water charges on "W-A"				144.87
	TOTAL				17067.25 X
	Add GST on "X-A" (multiplying factor 0.1405)				2055.83
	TOTAL				19123.08 Y
	Add 15% CPOH on "Y-A"				2503.21
	TOTAL				21626.29 Z
	Add Cess @ 1% on "Z-A"				191.91
	Cost of 10 sqm.				21818.20
	Cost of 1 sqm.				2181.82
	Say				2181.80

8.26 Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS : 12823 marked, including priming coat on unexposed arrangement and screws etc. complete :

8.26.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
	Particle board (three layer medium density) 12mm thick = 10 sqm.				
	Add wastage @ 10% = 1 sqm.				
	Total = 11 sqm.				
7477	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	11.00	540.00	5940.00
9977	Carriage of particle board	L.S.	13.52	2.00	27.04
9999	Sundries and screws	L.S.	26.91	2.00	53.82
	Priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	57.05	570.50 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
	Carpenter 2nd class	day	1.28	679.00	869.12
0114	Beldar	day	1.43	558.00	797.94
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	25.00	1375.00
	TOTAL				9633.42 W
	Add 1 % Water charges on "W-A"				90.63
	TOTAL				9724.05 X
	Add GST on "X-A" (multiplying factor 0.1405)				1286.07
	TOTAL				11010.12 Y
	Add 15% CPOH on "Y-A"				1565.94
	TOTAL				12576.07 Z
	Add Cess @ 1% on "Z-A"				120.06
	Cost of 10 sqm.				12696.12
	Cost of 1 sqm.				1269.61
	Say				1269.60

8.26.2 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
	Particle board (three layer medium density) 18 mm thick = 10 sqm.				
	Add wastage @ 10% = 1 sqm.				
	Total = 11 sqm.				
7478	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	11.00	650.00	7150.00
9977	Carriage of particle board	L.S.	13.52	2.00	27.04
9999	Sundries and screws	L.S.	26.91	2.00	53.82
	Priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	57.05	570.50 A
	LABOUR				
0112	Carpenter 2nd class	day	1.28	679.00	869.12
0114	Beldar	day	1.43	558.00	797.94
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	25.00	1375.00
	TOTAL				10843.42 W
	Add 1 % Water charges on "W-A"				102.73
	TOTAL				10946.15 X
	Add GST on "X-A" (multiplying factor 0.1405)				1457.78
	TOTAL				12403.93 Y
	Add 15% CPOH on "Y-A"				1775.01
	TOTAL				14178.94 Z
	Add Cess @ 1% on "Z-A"				136.08
	Cost of 10 sqm.				14315.03
	Cost of 1 sqm.				1431.50
	Say				1431.50

8.26.3 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL Particle board (three layer medium density) 25 mm thick = 10 sqm. Add wastage @ 10% = 1 sqm. Total = 11 sqm.				
7479	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	11.00	900.00	9900.00
9977	Carriage of particle board	L.S.	13.52	2.00	27.04
9999	Sundries and screws etc	L.S.	26.91	2.00	53.82
	Priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	57.05	570.50 A
	LABOUR				
0112	Carpenter 2nd class	day	1.28	679.00	869.12
0114	Beldar	day	1.43	558.00	797.94
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	25.00	1375.00
	TOTAL				13593.42 W
	Add 1 % Water charges on "W-A"				130.23
	TOTAL				13723.65 X
	Add GST on "X-A" (multiplying factor 0.1405)				1848.02
	TOTAL				15571.67 Y
	Add 15% CPOH on "Y-A"				2250.17
	TOTAL				17821.84 Z
	Add Cess @ 1% on "Z-A"				172.51
	Cost of 10 sqm.				17994.36
	Cost of 1 sqm.				1799.44
	Say				1799.45

8.27 Providing and fixing specified wood frame work consisting of battens 50x25mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.

8.27.1 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5 no. battens of size 500cmx50mmx25mm = 31.25 cudm MATERIAL Hollock wood- 5x5.00x0.50x0.025 = 0.03125 cum Add wastage @ 5% = 0.00156 cum. Total = 0.03281 cum Say 33 cudm.				
2505	Hollock wood in planks	10 cudm	3.30	390.00	1287.00
2204	Carriage of Timber	cum	0.033	118.59	3.91

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
0114	Carpenter 1st class	day	1.00	738.00	738.00
9999	Beldar	day	0.25	558.00	139.50
	Sundries	L.S.	6.76	2.00	13.52
	Painting with ready mixed priming coat on ground 5x500x15 cm =3.75 sqm				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	3.75	57.05	213.94 A
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	25.00	1375.00
9999	Labour for drilling holes, steel tape, sundries etc.	L.S.	71.50	2.00	143.00
	TOTAL				3913.87 W
	Add 1 % Water charges on "W-A"				37.00
	TOTAL				3950.87 X
	Add GST on "X-A" (multiplying factor 0.1405)				525.04
	TOTAL				4475.91 Y
	Add 15% CPOH on "Y-A"				639.30
	TOTAL				5115.21 Z
	Add Cess @ 1% on "Z-A"				49.01
	Cost of 31.25 cu dm.				5164.22
	Cost of 1 cum.				165255.04
	Say				165255.05

8.28 Providing and fixing plywood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with :

8.28.1 Decorative veneer facings of approved manufacture

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm.				
	MATERIAL				
	Teak ply wood = 10sqm.				
	Add for wastage @ 20% = 2 sqm.				
	Total = 12 sqm.				
0759	Decorative plywood 4 mm	sqm	12.00	320.00	3840.00
9977	Carriage of ply wood	L.S.	5.46	2.00	10.92
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 fine sand)				
9.32	Rate as per item no 9.32 of SH : Wood work	each	55.00	33.90	1864.50 A
	LABOUR				
0111	Carpenter 1st class	day	3.80	738.00	2804.40
0114	Beldar	day	4.60	558.00	2566.80
0130	Mistry	day	0.60	738.00	442.80
9999	20mm nails without head for fixing ply	L.S.	53.82	2.00	107.64
	Painting with ready mixed priming coat				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.1	Rate as per item no 13.50.1 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	sqm	10.00	57.05	570.50 A 12207.56 W 97.73 12305.29 X 1386.78 13692.06 Y 1688.56 15380.62 Z 129.46 15510.08 1551.01 1551.00

8.29 Providing and fixing 4mm thick coir veneer board, ISI marked IS : 14842, plain lining with necessary screws, priming coat on unexposed surface etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL Coir veneered board 4mm thick = 10sqm. Add for wastage @ 20% = 2 sqm. Total = 12 sqm.				
7552	Coir veneered board 4mm thick	sqm	12.00	290.00	3480.00
9977	Carriage of Coir veneered board	L.S.	5.46	2.00	10.92
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 fine sand)				
9.32	Rate as per item no 9.32 of SH : Wood work	each	55.00	33.90	1864.50 A
	LABOUR				
0111	Carpenter 1st class	day	3.80	738.00	2804.40
0114	Beldar	day	4.60	558.00	2566.80
0130	Mistry	day	0.60	738.00	442.80
9999	20mm nails without head for fixing ply	L.S.	53.82	2.00	107.64
	Priming coat Painting with ready mixed priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost of 10 sqm. Cost of 1 sqm. Say	sqm	10.00	57.05	570.50 A 11847.56 W 94.13 11941.69 X 1335.69 13277.37 Y 1626.36 14903.73 Z 124.69 15028.42 1502.84 1502.85

8.30 Providing and fixing skirting with Pre-laminated (one side decorative and other side balancing lamination) flat pressed 3 layer or graded particle board (medium density) Grade I, Type II, IS :12823 marked, with necessary fixing arrangements and screws, including drilling necessary holes for rawl plugs etc. and priming coat on unexposed surface complete :

8.30.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7478	Details of cost for skirting 200mm wide and 30m long Area = 0.2x30= 6 sqm. Area = 0.2x30= 6 sqm. MATERIAL Teak shade prelaminated Particle board (three layer medium density) = 6.0 sqm.+ Add wastage @ 10% = 0.6sqm. Total = 6.6 sqm. Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	6.60	650.00	4290.00
9977	Carriage of particle board	L.S.	8.11	2.00	16.22
7048	Rawl plug 50 mm (designation 10 no.)	each	102.00	25.00	2550.00
9999	Labour for drilling holes	L.S.	130.00	2.00	260.00
	LABOUR For dressing and fixing particle board to skirting				
0112	Carpenter 2nd class	day	0.77	679.00	522.83
0114	Beldar	day	0.86	558.00	479.88
9999	Sundries (Screws, sand paper)	L.S.	53.82	2.00	107.64
	Painting with ready mixed priming coat at back				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	6.00	57.05	342.30 A
	TOTAL				8568.87 W
	Add 1 % Water charges on "W-A"				82.27
	TOTAL				8651.14 X
	Add GST on "X-A" (multiplying factor 0.1405)				1167.39
	TOTAL				9818.53 Y
	Add 15% CPOH on "Y-A"				1421.43
	TOTAL				11239.96 Z
	Add Cess @ 1% on "Z-A"				108.98
	Cost of 6 sqm.				11348.94
	Cost of 1 sqm.				1891.49
	Say				1891.50

8.30.2 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for skirting 200mm wide and 30m long Area = 0.2x30= 6 sqm. Area = 0.2x30= 6 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7479	MATERIAL Teak shade prelaminated Particle board (three layer medium density) = 6.0 sqm.+ Add wastage @ 10% = 0.6sqm. Total = 6.6 sqm. Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	6.60	900.00	5940.00
9977	Carriage of particle board	L.S.	8.11	2.00	16.22
7048	Rawl plug 50 mm (designation 10 no.)	each	102.00	25.00	2550.00
9999	Labour for drilling holes	L.S.	130.00	2.00	260.00
	LABOUR For dressing and fixing particle board to skirting				
0112	Carpenter 2nd class	day	0.77	679.00	522.83
0114	Beldar	day	0.86	558.00	479.88
9999	Sundries (Screws, sand paper)	L.S.	53.82	2.00	107.64
	Painting with ready mixed priming coat at back				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	6.00	57.05	342.30 A
	TOTAL				10218.87 W
	Add 1 % Water charges on "W-A"				98.77
	TOTAL				10317.64 X
	Add GST on "X-A" (multiplying factor 0.1405)				1401.53
	TOTAL				11719.17 Y
	Add 15% CPOH on "Y-A"				1706.53
	TOTAL				13425.70 Z
	Add Cess @ 1% on "Z-A"				130.83
	Cost of 6 sqm.				13556.53
	Cost of 1 sqm.				2259.42
	Say				2259.40

8.31 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 @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Ceramic Glazed tiles = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7800	Ceramic Glazed Tiles 1st quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black	Sq.m.	1.025	212.00	217.30
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
3.8	12 mm thick Cement mortar 1:3 (1 cement : 3 coarse sand)				
	Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	4664.55	65.30
9999	Mortar for pointing in white cement	L.S.	40.43	2.00	80.86
	Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.25	558.00	139.50
9988	Sundries including carriage of cement etc	L.S.	26.91	2.00	53.82
	TOTAL				770.07 W
	Add 1 % Water charges on "W"				7.70
	TOTAL				777.77 X
	Add GST on "X" (multiplying factor 0.1405)				109.28
	TOTAL				887.04 Y
	Add 15% CPOH on "Y"				133.06
	TOTAL				1020.10 Z
	Add Cess @ 1% on "Z"				10.20
	Cost for 1 sqm				1030.30
	Say				1030.30

- 8.32 Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:**
- (a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.
- (b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.
- (c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with

aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 6.72 sqm Width of the unit 1.6 m Height of the unit 4.2 m Area of Single Unit 6.72 sqm Total Area 6.72 sqm No of Panels 1 no Area i/c wastage @ 5% = 7.06 sqm Details of cost for 6.72 sqm MATERIALS				
2607	Weather Sealant - Non Staining (600 ml)	each	2.00	325.00	650.00
2608	Weather Sealant - Normal (300 ml)	each	2.00	98.00	196.00
2609	MS Brackets/Aluminium Alloy Brackets	kg	10.00	100.00	1000.00
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	0.70	150.00	105.00
2612	Anchor Fastner - M10	each	2.00	10.00	20.00
2613	SS Bolt with washer of sizes for structural glazing / ACP Cladding	each	2.00	35.00	70.00
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	49.00	3.00	147.00
2615	Protective Tape	metre	7.00	20.00	140.00
2630	Baker rod	metre	5.00	5.00	25.00
2616	GI flashing - 1.2 mm Thick	kg	4.00	59.00	236.00
2631	4 mm thick ACP	sqm	7.06	1100.00	7766.00
9999	Sundries	L.S.	451.00	2.00	902.00
9999	Sundries (For Fabrication)	L.S.	1895.30	2.00	3790.60
9999	Sundries (For Installation)	L.S.	1895.30	2.00	3790.60
9999	Sundries (Scaffolding / Loading / Unloading)	L.S.	602.25	2.00	1204.50
9999	Sundries (Transporation)	L.S.	473.83	2.00	947.66
9999	Sundries (Designing charges etc.)	L.S.	328.15	2.00	656.30
	TOTAL				21646.66 W
	Add 1 % Water charges on "W"				216.47
	TOTAL				21863.13 X
	Add GST on "X" (multiplying factor 0.1405)				3071.77
	TOTAL				24934.90 Y
	Add 15% CPOH on "Y"				3740.23
	TOTAL				28675.13 Z
	Add Cess @ 1% on "Z"				286.75
	Cost for 6.72 sqm				28961.88
	Cost for 1 sqm				4309.80
	Say				4309.80

SUB HEAD : 9.0

WOOD
&
PVC WORK

9.1 Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).

9.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm				
	MATERIAL				
	Superior class teakwood such as Dandeli Balarshah or Malabar				
	2x206.75x9.5x7.0cm =0.028cum+ 1x117.5x9.5x7.0cm = 0.008cum. = 0.036cum.+				
	Add for wastage @ 5% = 0.002cum.				
	Grand Total = 0.038cum = 38 cudm				
1189	Second class teak wood in scantling	10 cudm	3.80	776.00	2948.80
2204	Carriage of Timber	cum	0.038	118.59	4.51
	LABOUR				
0156	Carpenter (average)	day	0.72	709.00	510.48
0114	Beldar	day	0.07	558.00	39.06
	TOTAL				3502.85 W
	Add 1 % Water charges on "W"				35.03
	TOTAL				3537.87 X
	Add GST on "X" (multiplying factor 0.1405)				497.07
	TOTAL				4034.95 Y
	Add 15% CPOH on "Y"				605.24
	TOTAL				4640.19 Z
	Add Cess @ 1% on "Z"				46.40
	Cost of 36 cudm.				4686.59
	Cost per cum.				130183.06
	Say				130183.05

9.1.2 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm.				
	MATERIAL				
	Salwood				
	2x206.75x9.5x7.0cm =0.028cum+ 1x117.5x9.5x7.0cm = 0.008cum. = 0.036cum.+				
	Add for wastage @ 5% = 0.002cum.				
	Grand Total = 0.038cum = 38cudm				
1199	Sal wood in scantling	10 cudm	3.80	600.00	2280.00
2204	Carriage of Timber	cum	0.038	118.59	4.51
	LABOUR				
0156	Carpenter (average)	day	0.72	709.00	510.48

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.07	558.00	39.06
	TOTAL				2834.05 W
	Add 1 % Water charges on "W"				28.34
	TOTAL				2862.39 X
	Add GST on "X" (multiplying factor 0.1405)				402.17
	TOTAL				3264.55 Y
	Add 15% CPOH on "Y"				489.68
	TOTAL				3754.24 Z
	Add Cess @ 1% on "Z"				37.54
	Cost of 36 cudm.				3791.78
	Cost per cum.				105327.22
	Say				105327.20

9.1.3 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm.				
	MATERIAL				
	Hollock wood				
	2x206.75x9.5x7.0cm =0.028cum+				
	1x117.5x9.5x7.0cm = 0.008cum. =				
	0.036cum.+				
	Add for wastage @ 5% = 0.002cum.				
	Grand Total = 0.038cum = 38cudm				
2466	Hollock wood in scantling	10 cudm	3.80	350.00	1330.00
2204	Carriage of Timber	cum	0.038	118.59	4.51
2504	Kiln seasoning of timber	cum	0.038	750.00	28.50
9999	Chemical treatment	L.S.	8.97	2.00	17.94
	LABOUR				
0156	Carpenter (average)	day	0.72	709.00	510.48
0114	Beldar	day	0.07	558.00	39.06
	TOTAL				1930.49 W
	Add 1 % Water charges on "W"				19.30
	TOTAL				1949.79 X
	Add GST on "X" (multiplying factor 0.1405)				273.95
	TOTAL				2223.74 Y
	Add 15% CPOH on "Y"				333.56
	TOTAL				2557.30 Z
	Add Cess @ 1% on "Z"				25.57
	Cost of 36 cudm.(finished work)				2582.87
	Cost per cum.				71746.39
	Say				71746.40

9.2 Providing laminated veneer lumber conforming to IS:14616 and TAD -15: 2001 (Part B) in factory made frames of doors, windows, clerestory windows and other frames, wrought framed and fixing in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7157	Details of cost for Chowkhat of a door 206.75x117.5cm. MATERIAL Laminated veneer lumber including wastage @ 5% 2x206.75x9.5x7.0cm =0.028cum+ 1x117.5x9.5x7.0cm = 0.008cum. = 0.036cum.+ Add for wastage @ 5% = 0.002cum. Grand Total = 0.038cum = 38cudm Laminated veneer lumber confirming to TADS 15:1995 manufactured in factory in frames of doors, windows	10 cudm	3.80	700.00	2660.00
2204	Carriage of Timber	cum	0.038	118.59	4.51
	LABOUR				
0111	Carpenter 1st class	day	0.20	738.00	147.60
0112	Carpenter 2nd class	day	0.20	679.00	135.80
0114	Beldar	day	0.20	558.00	111.60
	TOTAL				3059.51 W
	Add 1 % Water charges on "W"				30.60
	TOTAL				3090.10 X
	Add GST on "X" (multiplying factor 0.1405)				434.16
	TOTAL				3524.26 Y
	Add 15% CPOH on "Y"				528.64
	TOTAL				4052.90 Z
	Add Cess @ 1% on "Z"				40.53
	Cost of 36 cudm				4093.43
	Cost of 1 cum				113706.39
	Say				113706.40

9.3 Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.

9.3.1 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ceiling for a room 3x3m MATERIAL Salwood = 6x3.30x(50/1000)x (125/1000)=0.1238 cum. + Cross battens 60mm centre to center 38x50mm. 6x3x(38/1000)x50/1000)=0.0342 cum. = 0.1580 cum.+ Add for wastage @ 5% = 0.0079 cum. = 0.1659 cum. say 166 cudm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1199	Sal wood in scantling	10 cudm	16.60	600.00	9960.00
2204	Carriage of Timber	cum	0.166	118.59	19.69
	LABOUR				
0112	Carpenter 2nd class	day	1.00	679.00	679.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries screws etc.	L.S.	53.82	2.00	107.64
	TOTAL				11324.33 W
	Add 1 % Water charges on "W"				113.24
	TOTAL				11437.57 X
	Add GST on "X" (multiplying factor 0.1405)				1606.98
	TOTAL				13044.55 Y
	Add 15% CPOH on "Y"				1956.68
	TOTAL				15001.23 Z
	Add Cess @ 1% on "Z"				150.01
	Cost of 158 cudm.				15151.24
	Cost per cum.				95893.92
	Say				95893.90

9.3.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ceiling for a room 3x3m				
	MATERIAL				
	Hollock wood = $6 \times 3.30 \times (50/1000) \times (125/1000) = 0.1238$ cum. +				
	Cross battens 60mm centre to center 38x50mm.				
	$6 \times 3 \times (38/1000) \times 50/1000 = 0.0342$ cum.				
	= 0.1580 cum.+				
	Add for wastage @ 5% = 0.0079 cum.				
	= 0.1659 cum. say 166 cudm.				
2466	Hollock wood in scantling	10 cudm	16.60	350.00	5810.00
2204	Carriage of Timber	cum	0.166	118.59	19.69
2504	Kiln seasoning of timber	cum	0.166	750.00	124.50
9999	Chemical treatment	L.S.	18.20	2.00	36.40
	LABOUR				
0112	Carpenter 2nd class	day	1.00	679.00	679.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries screws etc.	L.S.	53.82	2.00	107.64
	TOTAL				7335.23 W
	Add 1 % Water charges on "W"				73.35
	TOTAL				7408.58 X
	Add GST on "X" (multiplying factor 0.1405)				1040.91
	TOTAL				8449.48 Y
	Add 15% CPOH on "Y"				1267.42
	TOTAL				9716.91 Z
	Add Cess @ 1% on "Z"				97.17
	Cost of 158 cudm (finished work)				9814.08
	Cost per cum.				62114.43
	Say				62114.45

9.4 Extra for additional labour for circular works, such as in frames of fan light

9.4.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.1 MATERIAL				
1189	Second class teak wood in scantling	10 cudm	0.38	776.00	294.88
2204	Carriage of Timber	cum	0.0038	118.59	0.45
	LABOUR				
0156	Carpenter (average)	day	0.072	709.00	51.05
0114	Beldar	day	0.007	558.00	3.91
	TOTAL				350.28 W
	Add 1 % Water charges on "W"				3.50
	TOTAL				353.79 X
	Add GST on "X" (multiplying factor 0.1405)				49.71
	TOTAL				403.49 Y
	Add 15% CPOH on "Y"				60.52
	TOTAL				464.02 Z
	Add Cess @ 1% on "Z"				4.64
	Cost of 36 cudm.				468.66
	Cost per cum.				13018.33
	Say				13018.35

9.4.2 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.2 MATERIAL				
1199	Sal wood in scantling	10 cudm	0.38	600.00	228.00
2204	Carriage of Timber	cum	0.0038	118.59	0.45
	LABOUR				
0156	Carpenter (average)	day	0.072	709.00	51.05
0114	Beldar	day	0.007	558.00	3.91
	TOTAL				283.40 W
	Add 1 % Water charges on "W"				2.83
	TOTAL				286.24 X
	Add GST on "X" (multiplying factor 0.1405)				40.22
	TOTAL				326.46 Y
	Add 15% CPOH on "Y"				48.97
	TOTAL				375.42 Z
	Add Cess @ 1% on "Z"				3.75
	Cost of 36 cudm.				379.18
	Cost per cum.				10532.78
	Say				10532.80

9.4.3 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm. Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.3 MATERIAL				
2466	Hollock wood in scantling	10 cudm	0.38	350.00	133.00
2204	Carriage of Timber	cum	0.0038	118.59	0.45
2504	Kiln seasoning of timber	cum	0.0038	750.00	2.85
9999	Chemical treatment	L.S.	0.90	2.00	1.80
	LABOUR				
0156	Carpenter (average)	day	0.072	709.00	51.05
0114	Beldar	day	0.007	558.00	3.91
	TOTAL				193.05 W
	Add 1 % Water charges on "W"				1.93
	TOTAL				194.99 X
	Add GST on "X" (multiplying factor 0.1405)				27.40
	TOTAL				222.38 Y
	Add 15% CPOH on "Y"				33.36
	TOTAL				255.74 Z
	Add Cess @ 1% on "Z"				2.56
	Cost of 36 cudm.(finished work)				258.30
	Cost per cum.				7175.00
	Say				7175.00

9.5 Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)

9.5.1 Second class teak wood

9.5.1.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16 sqm) MATERIAL Teak wood Styles 4x200x10.0x3.5cm = 0.028cum+ Rails Top rails 1x110.5x10.0x3.5cm = 0.004cum.+ Bottom rails 1x110.5x20x3.5cm = 0.008cum+ Lock rails 1x110.5x15x3.5cm = 0.006cum+ Beading 2x186.1x1.9x1.2cm = 0.001cum. Total = 0.047 cum+				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add for wastage @ 10% = 0.005cum Grand Total = 0.051 cum = 51 cudm				
1190	Second class teak wood in planks	10 cudm	5.10	791.00	4034.10
2204	Carriage of Timber	cum	0.051	118.59	6.05
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0114	Beldar	day	0.76	558.00	424.08
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				5833.46 W
	Add 1 % Water charges on "W"				58.33
	TOTAL				5891.79 X
	Add GST on "X" (multiplying factor 0.1405)				827.80
	TOTAL				6719.59 Y
	Add 15% CPOH on "Y"				1007.94
	TOTAL				7727.53 Z
	Add Cess @ 1% on "Z"				77.28
	Cost of 2.16 sqm.				7804.80
	Cost of 1 sqm.				3613.33
	Say				3613.35

9.5.1.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16 sqm)				
	MATERIAL				
	Teak wood				
	Styles : 4x200x10.0x3.0cm =				
	0.024 cum+				
	Top rails :1x110.5x9.5x3.0cm =				
	0.003cum+				
	Bottom rails : 1x110.5x19.7x3.0cm =				
	0.007cum+				
	Lock rails : 1x110.5x15.0x3.0cm =				
	0.005cum+				
	Beading : 2x186.1x1.9x1.2cm =				
	0.001 cum.				
	Total = 0.040 cum. +				
	Add for wastage @ 10% = 0.004 cum.				
	Grand Total = 0.044 cum = 44 cudm				
1190	Second class teak wood in planks	10 cudm	4.40	791.00	3480.40
2204	Carriage of Timber	cum	0.044	118.59	5.22
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0114	Beldar	day	0.76	558.00	424.08

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				5278.93 W
	Add 1 % Water charges on "W"				52.79
	TOTAL				5331.72 X
	Add GST on "X" (multiplying factor 0.1405)				749.11
	TOTAL				6080.82 Y
	Add 15% CPOH on "Y"				912.12
	TOTAL				6992.95 Z
	Add Cess @ 1% on "Z"				69.93
	Cost of 2.16 sqm.				7062.88
	Cost of 1 sqm.				3269.85
	Say				3269.85

9.5.2 Kiln seasoned and chemically treated hollock wood

9.5.2.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16 sqm) MATERIAL Hollock wood Styles 4x200x10.0x3.5cm = 0.028cum+ Rails Top rails 1x110.5x10.0x3.5cm = 0.004cum.+ Bottom rails 1x110.5x20x3.5cm = 0.008cum+ Lock rails 1x110.5x15x3.5cm = 0.006cum+ Beading 2x186.1x1.9x1.2cm = 0.001cum. Total = 0.047 cum+ Add for wastage @ 10% = 0.005cum Grand Total = 0.051 cum = 51 cudm				
2505	Hollock wood in planks	10 cudm	5.10	390.00	1989.00
2204	Carriage of Timber	cum	0.051	118.59	6.05
2504	Kiln seasoning of timber	cum	0.051	750.00	38.25
9999	Chemical treatment	L.S.	9.10	2.00	18.20
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0114	Beldar	day	0.76	558.00	424.08
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				3844.81 W
	Add 1 % Water charges on "W"				38.45
	TOTAL				3883.26 X
	Add GST on "X" (multiplying factor 0.1405)				545.60
	TOTAL				4428.85 Y
	Add 15% CPOH on "Y"				664.33
	TOTAL				5093.18 Z
	Add Cess @ 1% on "Z"				50.93
	Cost of 2.16 sqm.				5144.11
	Cost of 1 sqm.				2381.53
	Say				2381.55

9.5.2.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16sqm. MATERIAL Hollock wood Styles 4x200x10.0x3.0cm = 0.024cum+ Rails Top rails 1x110.5x9.50x3.0cm = 0.003cum.+ Lock rails 1x110.5x15x3.0cm = 0.005cum+ Bottom rails 1x110.5x19.7x3.0cm = 0.007cum+ Beading 2x186.1x1.9x1.2cm = 0.001cum Total = 0.040 cum.+ Add for wastage @ 10% = 0.004cum Grand Total = 0.044 cum or = 44 cudm				
2505	Hollock wood in planks	10 cudm	4.40	390.00	1716.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
9999	Chemical treatment	L.S.	9.10	2.00	18.20
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0114	Beldar	day	0.76	558.00	424.08
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				3565.73 W
	Add 1 % Water charges on "W"				35.66
	TOTAL				3601.39 X
	Add GST on "X" (multiplying factor 0.1405)				505.99
	TOTAL				4107.38 Y
	Add 15% CPOH on "Y"				616.11
	TOTAL				4723.49 Z
	Add Cess @ 1% on "Z"				47.23
	Cost of 2.16 sqm.				4770.72
	Cost of 1 sqm.				2208.67
	Say				2208.65

9.5.3 Kiln seasoned selected planks of sheesham wood

9.5.3.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16 sqm) MATERIAL Sheesham wood Styles 4x200x10.0x3.5cm = 0.028cum+ Rails				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Top rails 1x110.5x10.0x3.5cm = 0.004cum.+ Lock rails 1x110.5x15x3.5cm = 0.006cum+ Beading 2x186.1x1.9x1.2cm = 0.001cum. Total = 0.047 cum+ Add for wastage @ 10% = 0.005cum Grand Total = 0.051 cum or = 51 cudm				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.10	650.00	3315.00
2204	Carriage of Timber	cum	0.051	118.59	6.05
2504	Kiln seasoning of timber	cum	0.051	750.00	38.25
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0114	Beldar	day	0.76	558.00	424.08
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				5152.61 W
	Add 1 % Water charges on "W"				51.53
	TOTAL				5204.13 X
	Add GST on "X" (multiplying factor 0.1405)				731.18
	TOTAL				5935.32 Y
	Add 15% CPOH on "Y"				890.30
	TOTAL				6825.61 Z
	Add Cess @ 1% on "Z"				68.26
	Cost of 2.16 sqm.				6893.87
	Cost of 1 sqm.				3191.61
	Say				3191.60

9.5.3.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door (1/3rd glazed and 2/3rd panelled). 200x108cm = 2.16sqm. MATERIAL Sheesham wood Styles 4x200x10.0x3.0cm = 0.028cum+ Rails Top rails 1x110.5x9.50x3.0cm = 0.003cum.+ Lock rails 1x110.5x15.0x3.0cm = 0.005cum+ Bottom rails 1x110.5x19.7x3.0cm = 0.007cum+ Beading 2x186.1x1.9x1.2cm = 0.001cum Total = 0.040 cum.+ Add for wastage @ 10% = 0.004cum Grand Total = 0.044 cum or = 44 cudm"				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0114	Beldar	day	0.76	558.00	424.08
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				4691.53 W
	Add 1 % Water charges on "W"				46.92
	TOTAL				4738.44 X
	Add GST on "X" (multiplying factor 0.1405)				665.75
	TOTAL				5404.19 Y
	Add 15% CPOH on "Y"				810.63
	TOTAL				6214.82 Z
	Add Cess @ 1% on "Z"				62.15
	Cost of 2.16 sqm.				6276.97
	Cost of 1 sqm.				2906.01
	Say				2906.00

9.6 Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B) fixing with butt hinges of required size with necessary screws, all complete as per directions of Engineer- in-charge and panelling with panels of : (Note:- Butt hinges and necessary screws shall be paid separately)

9.6.1 12 mm thick plain grade -1, medium density flat pressed three layer particle board FPT - I or graded wood particle board FPT- I, IS : 3087 marked, bonded with BWP type synthetic resin adhesive as per IS : 848 :

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of one shutter 220x108cm = 2.38sqm.				
	MATERIAL				
7137	Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick plain type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	2.38	1620.00	3855.60
9977	Carriage of shutters	L.S.	29.64	2.00	59.28
	Fittings :				
	LABOUR				
0156	Carpenter (average)	day	0.52	709.00	368.68
0114	Beldar	day	0.60	558.00	334.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				4690.12 W
	Add 1 % Water charges on "W"				46.90
	TOTAL				4737.02 X
	Add GST on "X" (multiplying factor 0.1405)				665.55
	TOTAL				5402.57 Y
	Add 15% CPOH on "Y"				810.39
	TOTAL				6212.96 Z
	Add Cess @ 1% on "Z"				62.13
	Cost of 2.38 sqm.				6275.09
	Cost of 1 sqm.				2636.59
	Say				2636.60

9.6.2 12 mm thick pre-laminated particle board (decorative lamination on both sides) grade -1, medium density flat pressed, three layer particle board FPT- I or graded wood particle board FPT- I, conforming to IS : 3087, bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823, Grade 1, Type - II marked :

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7139	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick both sides prelaminated type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS:848-1974	sqm	2.38	1720.00	4093.60
9977	Carriage of shutters	L.S.	29.64	2.00	59.28
	Fittings : LABOUR				
0156	Carpenter (average)	day	0.52	709.00	368.68
0114	Beldar	day	0.60	558.00	334.80
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				4928.12 W
	Add 1 % Water charges on "W"				49.28
	TOTAL				4977.40 X
	Add GST on "X" (multiplying factor 0.1405)				699.32
	TOTAL				5676.73 Y
	Add 15% CPOH on "Y"				851.51
	TOTAL				6528.23 Z
	Add Cess @ 1% on "Z"				65.28
	Cost of 2.38 sqm.				6593.52
	Cost of 1 sqm.				2770.39
	Say				2770.40

9.6.3 12 mm thick one side Pre-laminated particle board (decorative lamination on one side and other sides balancing lamination) grade -1, medium density flat pressed, three layer particle board FPT - I or graded wood particle board FPT-1 conforming to IS : 3087 bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823, Grade -1, Type II marked :

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7143	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick one side prelaminated type-I, and other side balancing lamination, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS:848-1974	sqm	2.38	1910.00	4545.80
9977	Carriage of shutters	L.S.	29.64	2.00	59.28
	Fittings :				
	LABOUR				
0156	Carpenter (average)	day	0.52	709.00	368.68
0114	Beldar	day	0.60	558.00	334.80
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				5380.32 W
	Add 1 % Water charges on "W"				53.80
	TOTAL				5434.12 X
	Add GST on "X" (multiplying factor 0.1405)				763.49
	TOTAL				6197.62 Y
	Add 15% CPOH on "Y"				929.64
	TOTAL				7127.26 Z
	Add Cess @ 1% on "Z"				71.27
	Cost of 2.38 sqm.				7198.53
	Cost of 1 sqm.				3024.59
	Say				3024.60

9.7 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 :

9.7.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL Panels 4x47.2x38.65x1.6cm = 0.0117cum+ Add for wastage @ 10% = 0.0012cum. = 0.0129 cum.				
1190	Second class teak wood in planks	10 cudm	1.29	791.00	1020.39
2204	Carriage of Timber	cum	0.0129	118.59	1.53
	LABOUR				
0111	Carpenter 1st class	day	0.57	738.00	420.66
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				1451.42 W
	Add 1 % Water charges on "W"				14.51
	TOTAL				1465.93 X
	Add GST on "X" (multiplying factor 0.1405)				205.96
	TOTAL				1671.90 Y
	Add 15% CPOH on "Y"				250.78
	TOTAL				1922.68 Z
	Add Cess @ 1% on "Z"				19.23
	Cost of 0.66 sqm.				1941.91
	Cost of 1 sqm.				2942.29
	Say				2942.30

9.7.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door 200x108cm = 2.16 sqm. Panel area 4x45.1x36.55cm=0.66sqm. MATERIAL Hollock wood panels 4x45.1x36.55cm = 0.0117 cum+ Add for wastage @ 10% = 0.0012cum. = 0.0129 cum = 12.90 cudm				
2505	Hollock wood in planks	10 cudm	1.29	390.00	503.10
2204	Carriage of Timber	cum	0.0129	118.59	1.53
2504	Kiln seasoning of timber	cum	0.0129	750.00	9.68
9999	Chemical treatment	L.S.	8.97	2.00	17.94
	Labour & sundries				
0111	Carpenter 1st class	day	0.57	738.00	420.66
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				961.74 W
	Add 1 % Water charges on "W"				9.62
	TOTAL				971.36 X
	Add GST on "X" (multiplying factor 0.1405)				136.48
	TOTAL				1107.84 Y
	Add 15% CPOH on "Y"				166.18
	TOTAL				1274.01 Z
	Add Cess @ 1% on "Z"				12.74
	Cost of 0.66 sqm.				1286.75
	Cost of 1 sqm.				1949.63
	Say				1949.65

9.7.3 Ply wood 5 ply, 9 mm thick

9.7.3.1 Decorative plywood both side decorative veneer (Type - I) conforming to IS 1328 BWR type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Plywood (9mm thick) 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm.				
2480	Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	0.80	850.00	680.00
9977	Carriage of Plywood	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.57	738.00	420.66
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				1113.14 W
	Add 1 % Water charges on "W"				11.13
	TOTAL				1124.27 X
	Add GST on "X" (multiplying factor 0.1405)				157.96
	TOTAL				1282.23 Y
	Add 15% CPOH on "Y"				192.33
	TOTAL				1474.57 Z
	Add Cess @ 1% on "Z"				14.75
	Cost of 0.66 sqm.				1489.31
	Cost of 1 sqm.				2256.53
	Say				2256.55

9.7.3.2 Decorative plywood one side decorative veneer and commercial veneer on other face (Type 1) conforming to IS 1328 BWR Type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling. 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Plywood (9mm thick) 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm.				
2481	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	0.80	870.00	696.00
9977	Carriage of Plywood	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.57	738.00	420.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				1129.14 W
	Add 1 % Water charges on "W"				11.29
	TOTAL				1140.43 X
	Add GST on "X" (multiplying factor 0.1405)				160.23
	TOTAL				1300.66 Y
	Add 15% CPOH on "Y"				195.10
	TOTAL				1495.76 Z
	Add Cess @ 1% on "Z"				14.96
	Cost of 0.66 sqm.				1510.72
	Cost of 1 sqm.				2288.97
	Say				2288.95

9.7.4 Ply wood 7 ply, 9 mm thick

9.7.4.1 Decorative plywood one side decorative veneer and commercial veneer on other face (Type 1) conforming to IS 1328 BWR Type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2483	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Plywood (9mm thick) 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm. Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	0.80	950.00	760.00
9977	Carriage of Plywood	L.S.	1.82	2.00	3.64
0111	LABOUR Carpenter 1st class	day	0.57	738.00	420.66
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				1193.14 W
	Add 1 % Water charges on "W"				11.93
	TOTAL				1205.07 X
	Add GST on "X" (multiplying factor 0.1405)				169.31
	TOTAL				1374.38 Y
	Add 15% CPOH on "Y"				206.16
	TOTAL				1580.54 Z
	Add Cess @ 1% on "Z"				15.81
	Cost of 0.66 sqm.				1596.35
	Cost of 1 sqm.				2418.71
	Say				2418.70

9.7.5 Particle Board 12 mm thick

9.7.5.1 Plain particle board flat pressed, 3 layer or graded wood particle board medium density Grade I, IS : 3087 marked

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Particle Board 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm.				
0341	Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick	sqm	0.80	288.00	230.40
9977	Carriage of Plywood	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.57	738.00	420.66
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				663.54 W
	Add 1 % Water charges on "W"				6.64
	TOTAL				670.18 X
	Add GST on "X" (multiplying factor 0.1405)				94.16
	TOTAL				764.34 Y
	Add 15% CPOH on "Y"				114.65
	TOTAL				878.99 Z
	Add Cess @ 1% on "Z"				8.79
	Cost of 0.66 sqm.				887.78
	Cost of 1 sqm.				1345.11
	Say				1345.10

9.7.5.2 Veneered flat pressed three layer or graded wood particle board with commercial veneering on both sides conforming to IS:3097, grade I

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Particle Board 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm				
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	0.80	500.00	400.00
9977	Carriage of Plywood	L.S.	1.82	2.00	3.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
9999	Carpenter 1st class	day	0.57	738.00	420.66
	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				833.14 W
	Add 1 % Water charges on "W"				8.33
	TOTAL				841.47 X
	Add GST on "X" (multiplying factor 0.1405)				118.23
	TOTAL				959.70 Y
	Add 15% CPOH on "Y"				143.95
	TOTAL				1103.65 Z
	Add Cess @ 1% on "Z"				11.04
	Cost of 0.66 sqm.				1114.69
	Cost of 1 sqm.				1688.92
	Say				1688.90

9.7.5.3 Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side, Grade I, Type II IS: 12823 marked

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Particle Board 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm				
7477	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	0.80	540.00	432.00
9977	Carriage of Plywood	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.57	738.00	420.66
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				865.14 W
	Add 1 % Water charges on "W"				8.65
	TOTAL				873.79 X
	Add GST on "X" (multiplying factor 0.1405)				122.77
	TOTAL				996.56 Y
	Add 15% CPOH on "Y"				149.48
	TOTAL				1146.04 Z
	Add Cess @ 1% on "Z"				11.46
	Cost of 0.66 sqm.				1157.50
	Cost of 1 sqm.				1753.79
	Say				1753.80

9.7.5.4 Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS:12823 marked

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Particle Board 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm				
7480	Prelaminated particle board with both sides decorative lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	0.80	575.00	460.00
9977	Carriage of Plywood	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.57	738.00	420.66
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				893.14 W
	Add 1 % Water charges on "W"				8.93
	TOTAL				902.07 X
	Add GST on "X" (multiplying factor 0.1405)				126.74
	TOTAL				1028.81 Y
	Add 15% CPOH on "Y"				154.32
	TOTAL				1183.13 Z
	Add Cess @ 1% on "Z"				11.83
	Cost of 0.66 sqm.				1194.97
	Cost of 1 sqm.				1810.55
	Say				1810.55

9.7.6 Coir Veneer Board (conforming to IS 14842)

9.7.6.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm Panel area 4x45.1x36.55cm=0.66sqm MATERIAL Coir veneered board 12mm thick 4x47.2x38.65cm = 0.73sqm Add for wastage @ 10% = 0.07sqm Total = 0.80 sqm				
7555	Coir veneered board 12mm thick	sqm	0.80	670.00	536.00
9977	CARRIAGE	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.57	738.00	420.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				969.14 W
	Add 1 % Water charges on "W"				9.69
	TOTAL				978.83 X
	Add GST on "X" (multiplying factor 0.1405)				137.53
	TOTAL				1116.36 Y
	Add 15% CPOH on "Y"				167.45
	TOTAL				1283.81 Z
	Add Cess @ 1% on "Z"				12.84
	Cost of 0.66 sqm.				1296.65
	Cost of 1 sqm.				1964.62
	Say				1964.60

9.7.7 Float glass panes

9.7.7.1 4 mm thick glass pane (weight not less than 10kg/sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm				
	Panel area 4x45.1x36.55cm=0.66sqm				
	MATERIAL				
	Float glass sheet of nominal thickness 4 mm 4x47.2x38.65cm = 0.73sqm				
	Add for wastage @ 10% = 0.07sqm				
	Total = 0.80 sqm				
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	0.80	300.00	240.00
9977	CARRIAGE	L.S.	1.82	2.00	3.64
	LABOUR				
0156	Carpenter (average)	day	0.57	709.00	404.13
0119	Glazier	day	0.15	679.00	101.85
0114	Beldar	day	0.15	558.00	83.70
9999	Sundries	L.S.	25.47	2.00	50.94
	TOTAL				884.26 W
	Add 1 % Water charges on "W"				8.84
	TOTAL				893.10 X
	Add GST on "X" (multiplying factor 0.1405)				125.48
	TOTAL				1018.58 Y
	Add 15% CPOH on "Y"				152.79
	TOTAL				1171.37 Z
	Add Cess @ 1% on "Z"				11.71
	Cost of 0.66 sqm.				1183.08
	Cost of 1 sqm.				1792.55
	Say				1792.55

9.7.7.2 5.0 mm thick glass panes (weight not less than 12.50 kg/sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm Panel area 4x45.1x36.55cm=0.66 sqm MATERIAL Float glass sheet of nominal thickness 5.5 mm 4x47.2x38.65cm = 0.73sqm Add for wastage @ 10% = 0.07sqm Total = 0.80 sqm				
2407	Float glass sheet of nominal thickness 5.0 mm.(weight not less than 12.50 kg/sqm).	sqm	0.80	500.00	400.00
9977	CARRIAGE	L.S.	1.82	2.00	3.64
	LABOUR				
0156	Carpenter (average)	day	0.57	709.00	404.13
0119	Glazier	day	0.15	679.00	101.85
0114	Beldar	day	0.15	558.00	83.70
9999	Sundries	L.S.	25.47	2.00	50.94
	TOTAL				1044.26 W
	Add 1 % Water charges on "W"				10.44
	TOTAL				1054.70 X
	Add GST on "X" (multiplying factor 0.1405)				148.19
	TOTAL				1202.89 Y
	Add 15% CPOH on "Y"				180.43
	TOTAL				1383.32 Z
	Add Cess @ 1% on "Z"				13.83
	Cost of 0.66 sqm.				1397.15
	Cost of 1 sqm.				2116.90
	Say				2116.90

9.7.8 Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm Panel area 4x45.1x36.55cm=0.66sqm MATERIAL Stainless steel wire guage 4x47.2x38.65cm = 0.73sqm Add for wastage @ 10% = 0.07sqm Total = 0.80 sqm				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	0.80	400.00	320.00
9977	CARRIAGE	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.57	679.00	387.03

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				719.51 W
	Add 1 % Water charges on "W"				7.20
	TOTAL				726.71 X
	Add GST on "X" (multiplying factor 0.1405)				102.10
	TOTAL				828.81 Y
	Add 15% CPOH on "Y"				124.32
	TOTAL				953.13 Z
	Add Cess @ 1% on "Z"				9.53
	Cost of 0.66 sqm.				962.66
	Cost of 1 sqm.				1458.58
	Say				1458.60

9.9 Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.

9.9.1 Second class teak wood

9.9.1.1 35 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutter of a door (glazed) 2000x108cm = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles : 4x200x9.5x3.5cm = 0.027cum Rails Top & intermediate rails 2x110.5x9.5x3.5cm = 0.008cum Lock and bottom rails 2x110.5x19.7x3.5cm = 0.015cum Beadings- 2x186.1x1.9x1.2cm = 0.001cum 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.053 cum. Add for wastage @ 10% = 0.005cum. Grand Total = 0.058 cum = 58 cudm				
1190	Second class teak wood in planks	10 cudm	5.80	791.00	4587.80
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	300.00	381.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
2204	Carriage of Timber	cum	0.058	118.59	6.88

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR				
	Carpenter (average)	day	1.83	709.00	1297.47
0119	Glazier	day	0.23	679.00	156.17
0114	Beldar	day	0.77	558.00	429.66
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				7028.84 W
	Add 1 % Water charges on "W"				70.29
	TOTAL				7099.13 X
	Add GST on "X" (multiplying factor 0.1405)				997.43
	TOTAL				8096.55 Y
	Add 15% CPOH on "Y"				1214.48
	TOTAL				9311.04 Z
	Add Cess @ 1% on "Z"				93.11
	Cost of 2.16 sqm.				9404.15
	Cost of 1 sqm.				4353.77
	Say				4353.75

9.9.1.2 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutter of a door (glazed) 2000x108cm = 2.16 sqm.				
	MATERIAL				
	Teak wood				
	Styles : 4x200x9.5x3.0cm = 0.023cum+				
	Rails				
	Top & intermediate rails				
	2x110.5x9.5x3.0cm = 0.006cum+				
	Lock and bottom rails				
	2x110.5x19.7x3.0cm = 0.013cum+				
	Beadings-				
	2x186.1x1.9x1.2cm = 0.001cum+				
	4x171.70x1.9x1.2cm = 0.002cum.				
	Total = 0.045 cum.+				
	Add for wastage @ 10% = 0.005cum.				
	Grand Total = 0.050 cum = 50 cudm				
1190	Second class teak wood in planks	10 cudm	5.00	791.00	3955.00
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	300.00	381.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
2204	Carriage of Timber	cum	0.05	118.59	5.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR				
	Carpenter (average)	day	1.83	709.00	1297.47
0119	Glazier	day	0.23	679.00	156.17
0114	Beldar	day	0.77	558.00	429.66
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				6395.09 W
	Add 1 % Water charges on "W"				63.95
	TOTAL				6459.04 X
	Add GST on "X" (multiplying factor 0.1405)				907.50
	TOTAL				7366.54 Y
	Add 15% CPOH on "Y"				1104.98
	TOTAL				8471.52 Z
	Add Cess @ 1% on "Z"				84.72
	Cost of 2.16 sqm.				8556.23
	Cost of 1 sqm.				3961.22
	Say				3961.20

9.9.2 Kiln seasoned and chemically treated hollock wood

9.9.2.1 35 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door (glazed) 200x108cm = 2.16 sqm.				
	MATERIAL				
	Hollock wood				
	Styles :				
	4x200x9.5x3.5cm = 0.027cum+				
	Rails				
	Top & intermediate rails				
	2x110.5x9.5x3.5cm = 0.008cum+				
	Lock and bottom rails				
	2x110.5x19.7x3.5cm = 0.015cum.+				
	Beadings-				
	2x186.1x1.9x1.2cm = 0.001cum+				
	4x171.70x1.9x1.2cm = 0.002cum.				
	Total = 0.053 cum.+				
	Add for wastage @ 10% = 0.005cum.				
	Grand Total = 0.058 cum or = 58 cudm				
2505	Hollock wood in planks	10 cudm	5.80	390.00	2262.00
2504	Kiln seasoning of timber	cum	0.058	750.00	43.50
9999	(iii) Chemical treatment	L.S.	9.10	2.00	18.20
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	300.00	381.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber	cum	0.058	118.59	6.88
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0119	Glazier	day	0.23	679.00	156.17
0114	Beldar	day	0.77	558.00	429.66
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				4764.74 W
	Add 1 % Water charges on "W"				47.65
	TOTAL				4812.39 X
	Add GST on "X" (multiplying factor 0.1405)				676.14
	TOTAL				5488.53 Y
	Add 15% CPOH on "Y"				823.28
	TOTAL				6311.80 Z
	Add Cess @ 1% on "Z"				63.12
	Cost of 2.16 sqm.				6374.92
	Cost of 1 sqm.				2951.35
	Say				2951.35

9.9.2.2 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutter of door (glazed) 2000x108cm = 2.16 sqm. MATERIAL Hollock wood Styles : 4x200x9.5x3.0cm = 0.023cum+ Rails Top & intermediate rails 2x110.5x19.7x3.0cm = 0.006cum+ Lock and bottom rails 2x110.5x19.7x3.0cm = 0.013cum+ Beadings- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.045 cum.+ Add for wastage @ 10% = 0.005cum. Grand Total = 0.050 = 50 cudm				
2505	Hollock wood in planks	10 cudm	5.00	390.00	1950.00
2504	Kiln seasoning of timber	cum	0.05	750.00	37.50
9999	Chemical treatment	L.S.	9.10	2.00	18.20
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	300.00	381.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
2204	Carriage of Timber	cum	0.05	118.59	5.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR				
	Carpenter (average)	day	1.83	709.00	1297.47
0119	Glazier	day	0.23	679.00	156.17
0114	Beldar	day	0.77	558.00	429.66
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				4445.79 W
	Add 1 % Water charges on "W"				44.46
	TOTAL				4490.25 X
	Add GST on "X" (multiplying factor 0.1405)				630.88
	TOTAL				5121.13 Y
	Add 15% CPOH on "Y"				768.17
	TOTAL				5889.30 Z
	Add Cess @ 1% on "Z"				58.89
	Cost of 2.16 sqm.				5948.19
	Cost of 1 sqm.				2753.79
	Say				2753.80

9.9.3 Kiln seasoned selected planks of sheesham wood

9.9.3.1 35 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door (glazed) 200x108cm = 2.16 sqm. MATERIAL Sheesham wood Styles : 4x200x9.5x3.5cm = 0.027cum+ Rails Top & intermediate rails 2x110.5x9.5x3.5cm = 0.008cum+ Lock and bottom rails 2x110.5x19.7x3.5cm = 0.015cum.+ Beadings- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.053 cum.+ Add for wastage @ 10% = 0.005cum. Grand Total = 0.058 cum or = 58 cudm				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.80	650.00	3770.00
2504	Kiln seasoning of timber	cum	0.058	750.00	43.50
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	300.00	381.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
2204	Carriage of Timber	cum	0.058	118.59	6.88
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0119	Glazier	day	0.23	679.00	156.17
0114	Beldar	day	0.77	558.00	429.66
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				6254.54 W
	Add 1 % Water charges on "W"				62.55
	TOTAL				6317.08 X
	Add GST on "X" (multiplying factor 0.1405)				887.55
	TOTAL				7204.63 Y
	Add 15% CPOH on "Y"				1080.70
	TOTAL				8285.33 Z
	Add Cess @ 1% on "Z"				82.85
	Cost of 2.16 sqm.				8368.18
	Cost of 1 sqm.				3874.16
	Say				3874.15

9.9.3.2 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutter of door (glazed) 2000x108cm = 2.16 sqm. MATERIAL Sheesham wood Styles : 4x200x9.5x3.0cm = 0.023cum+ Rails Top & intermediate rails 2x110.5x19.7x3.0cm = 0.006cum+ Lock and bottom rails 2x110.5x19.7x3.0cm = 0.013cum+ Beadings- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.045 cum.+ Add for wastage @ 10% = 0.005cum. Grand Total = 0.050 = 50 cudm				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.00	650.00	3250.00
2504	Kiln seasoning of timber	cum	0.05	750.00	37.50
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	300.00	381.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber	cum	0.05	118.59	5.93
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0119	Glazier	day	0.23	679.00	156.17
0114	Beldar	day	0.77	558.00	429.66
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				5727.59 W
	Add 1 % Water charges on "W"				57.28
	TOTAL				5784.87 X
	Add GST on "X" (multiplying factor 0.1405)				812.77
	TOTAL				6597.64 Y
	Add 15% CPOH on "Y"				989.65
	TOTAL				7587.28 Z
	Add Cess @ 1% on "Z"				75.87
	Cost of 2.16 sqm.				7663.16
	Cost of 1 sqm.				3547.76
	Say				3547.75

9.10 Providing and fixing factory made laminated veneer lumber glazed shutter conforming to IS: 14616 and TADS 15:2001 (Part B), using 4 mm thick float glass panes for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, all as per directions of Engineer-in-charge (Note:- Butt hinges and necessary screws shall be paid separately)

9.10.1 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of one shutter 220x108cm = 2.38sqm.				
	MATERIAL				
7151	Factory made 30 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of sheet glass using 10 kg/ sqm glass panes	sqm	2.38	1620.00	3855.60
9977	Carriage of shutters	L.S.	29.64	2.00	59.28
	LABOUR				
0156	Carpenter (average)	day	0.52	709.00	368.68
0114	Beldar	day	0.60	368.00	220.80
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				4576.12 W
	Add 1 % Water charges on "W"				45.76
	TOTAL				4621.88 X
	Add GST on "X" (multiplying factor 0.1405)				649.37
	TOTAL				5271.26 Y
	Add 15% CPOH on "Y"				790.69
	TOTAL				6061.94 Z
	Add Cess @ 1% on "Z"				60.62
	Cost of 2.38 sqm.				6122.56
	Cost of 1 sqm.				2572.51
	Say				2572.50

9.11 Extra for providing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured)

9.11.1 5.0 mm thick instead of 4 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2407	Details of cost for one sqm. MATERIAL Float glass sheet of nominal thickness 5.0 mm.(weight not less than 12.50 kg/sqm).	sqm	1.00	500.00	500.00
2406	Deduct Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	300.00	-300.00
	TOTAL				200.00 W
	Add 1 % Water charges on "W"				2.00
	TOTAL				202.00 X
	Add GST on "X" (multiplying factor 0.1405)				28.38
	TOTAL				230.38 Y
	Add 15% CPOH on "Y"				34.56
	TOTAL				264.94 Z
	Add Cess @ 1% on "Z"				2.65
	Cost of 1 sqm.				267.59
	Say				267.60

9.12 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).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7032	Cost for 1 sqm. MATERIAL Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	1.00	460.00	460.00
2406	Deduct Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	300.00	-300.00
	TOTAL				160.00 W
	Add 1 % Water charges on "W"				1.60
	TOTAL				161.60 X
	Add GST on "X" (multiplying factor 0.1405)				22.70
	TOTAL				184.30 Y
	Add 15% CPOH on "Y"				27.65
	TOTAL				211.95 Z
	Add Cess @ 1% on "Z"				2.12
	Cost of 1 sqm.				214.07
	Say				214.05

9.13 Deduct for providing pin headed glass panes instead of ordinary float glass panes weighing 4 mm thick in doors, windows and clerestory windows shutters (Area of opening for glass panes excluding portion inside rebate shall be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2406	Cost for 1 sqm. MATERIAL Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). Deduct	sqm	-1.00	300.00	-300.00
7451	Glass sheet (Pin headed) 4 mm thick TOTAL	sqm	1.00	305.00	305.00
	Add 1 % Water charges on "W"				5.00 W
	TOTAL				0.05
	Add GST on "X" (multiplying factor 0.1405)				5.05 X
	TOTAL				0.71
	Add 15% CPOH on "Y"				5.76 Y
	TOTAL				0.86
	Add Cess @ 1% on "Z"				6.62 Z
	Cost of 1 sqm.				0.07
	Say				6.69
					6.70

9.14 Extra for providing ISI marked Stainless Steel butt hinges instead of M.S. pressed butt hinges bright finished of required size with necessary screws. (Shutter area to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Details of cost for one door shutter of a door 200x108cm = 2.16 sqm. MATERIAL Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
0595	Deduct Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	-0.60	80.00	-48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm Black enameled Iron	10 Nos	-0.20	49.00	-9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	-0.48	60.00	-28.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	-0.08	30.00	-2.40
	TOTAL				204.20 W
	Add 1 % Water charges on "W"				2.04
	TOTAL				206.24 X
	Add GST on "X" (multiplying factor 0.1405)				28.98
	TOTAL				235.22 Y
	Add 15% CPOH on "Y"				35.28
	TOTAL				270.50 Z
	Add Cess @ 1% on "Z"				2.71
	Cost of 2.16sqm.				273.21
	Cost on 1 sqm.				126.48
	Say				126.50

9.15 Deduct for not providing hinges in doors, windows or clerestory window shutters with :

9.15.1 Stainless steel butt hinges with stainless steel screws :

9.15.1.1 For 2nd class teak wood and other class of wood shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of fittings for shutter of size 200x108cm = 2.16 sqm.				
	MATERIAL				
8220	Anodised aluminum butt hinges				
	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
	TOTAL				293.20 W
	Add 1 % Water charges on "W"				2.93
	TOTAL				296.13 X
	Add GST on "X" (multiplying factor 0.1405)				41.61
	TOTAL				337.74 Y
	Add 15% CPOH on "Y"				50.66
	TOTAL				388.40 Z
	Add Cess @ 1% on "Z"				3.88
	Cost of 2.16 sqm.				392.28
	Cost of 1 sqm.				181.61
	Say				181.60

9.15.2 ISI marked M.S. pressed butt hinges bright finished of required size.

9.15.2.1 For 2nd class teak wood and other class of wood shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of hinges with screws for shutters of size 200x108cm = 2.16 sqm. MATERIAL				
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	TOTAL				89.00 W
	Add 1 % Water charges on "W"				0.89
	TOTAL				89.89 X
	Add GST on "X" (multiplying factor 0.1405)				12.63
	TOTAL				102.52 Y
	Add 15% CPOH on "Y"				15.38
	TOTAL				117.90 Z
	Add Cess @ 1% on "Z"				1.18
	Cost of 2.16 sqm.				119.08
	Cost of 1 sqm.				55.13
	Say				55.15

9.16 Providing and fixing 25 mm thick shutters for cup board etc. :

9.16.1 Panelled or panelled & glazed shutters :

9.16.1.1 Second class teak wood including ISI marked anodised aluminium butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a cup-board (half glazed and half panelled) 200x108cm = 2.16 sqm. MATERIAL				
	Styles-				
	4x200x8.0x2.5cm = 0.016 cum+				
	Rails-				
	Top rail-				
	1x110.5x8.0x2.5cm = 0.0022cum+				
	Lock and bottom rail-				
	2x110.5x8.0x2.5cm = 0.0044 cum.				
	Panels-				
	2x48x41x1.6cm = 0.006cum+				
	Sash bars-				
	2x114x3.8x2.5cm = 0.003cum+				
	6x48x3.8x2.5cm = 0.003 cum+				
	Beading-				
	16x92x1.4x1.2cm = 0.002cum				
	Total = 0.0366				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add for wastage @ 10% = 0.0037 cum. Grand Total = 0.0403 cum or 40 cudm				
1190	Second class teak wood in planks	10 cudm	4.00	791.00	3164.00
2204	Carriage of Timber	cum	0.04	118.59	4.74
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	0.99	300.00	297.00
	Fittings-				
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	0.60	196.00	117.60
0586	Chromium plated Brass screws 40 mm	100 Nos	0.48	290.00	139.20
	LABOUR				
0111	Carpenter 1st class	day	2.40	738.00	1771.20
0119	Glazier	day	0.18	679.00	122.22
0114	Beldar	day	0.77	558.00	429.66
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				6126.48 W
	Add 1 % Water charges on "W"				61.26
	TOTAL				6187.75 X
	Add GST on "X" (multiplying factor 0.1405)				869.38
	TOTAL				7057.13 Y
	Add 15% CPOH on "Y"				1058.57
	TOTAL				8115.70 Z
	Add Cess @ 1% on "Z"				81.16
	Cost of 2.16 sqm.				8196.85
	Cost of 1 sqm.				3794.84
	Say				3794.85

9.16.1.2 Second class teak wood including iSi marked nickel plated bright finished M.S. piano hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a cupboard (half glazed and half panelled) 200x108cm = 2.16 sqm. MATERIAL Styles- 4x200x8.0x2.5cm = 0.016 cum+ Rails- Top rail- 1x110.5x8.0x2.5cm = 0.0022cum+ Lock and bottom rail- 2x110.5x8.0x2.5cm = 0.0044 cum. Panels- 2x48x41x1.6cm = 0.006cum+ Sash bars- 2x114x3.8x2.5cm = 0.003cum+ 6x48x3.8x2.5cm = 0.003 cum+ Beading- 16x92x1.4x1.2cm = 0.002cum Total = 0.0366 Add for wastage @ 10% = 0.0037 cum. Grand Total = 0.0403 cum or 40 cudm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1190	Second class teak wood in planks	10 cudm	4.00	791.00	3164.00
2204	Carriage of Timber	cum	0.04	118.59	4.74
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	0.99	300.00	297.00
	Fittings-				
0608	Nickel plated mild steel piono hinges 1 mm thick 25 mm wide	metre	4.00	39.00	156.00
0586	Chromium plated Brass screws 40 mm	100 Nos	1.14	290.00	330.60
	LABOUR				
0111	Carpenter 1st class	day	2.40	738.00	1771.20
0119	Glazier	day	0.18	679.00	122.22
0114	Beldar	day	0.77	558.00	429.66
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				6356.28 W
	Add 1 % Water charges on "W"				63.56
	TOTAL				6419.85 X
	Add GST on "X" (multiplying factor 0.1405)				901.99
	TOTAL				7321.83 Y
	Add 15% CPOH on "Y"				1098.28
	TOTAL				8420.11 Z
	Add Cess @ 1% on "Z"				84.20
	Cost of 2.16 sqm.				8504.31
	Cost of 1 sqm.				3937.18
	Say				3937.20

9.16.2 Glazed shutters :

9.16.2.1 Second class teak wood including ISI marked anodized aluminium butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutter of cup-board 2000x108cm = 2.16 sqm.				
	MATERIAL				
	(i) Teak wood second class				
	Styles : 4x200x9.5x2.5 cm = 0.019 cum				
	Rails				
	Top & intermediate rails				
	2x110.5x9.5x2.5 cm = 0.006 cum				
	Lock and bottom rails				
	2x110.5x19.7x2.5 cm = 0.011 cum				
	Beadings-				
	2x186.1x1.9x1.2cm = 0.001cum+				
	4x171.70x1.9x1.2cm = 0.002cum.				
	Total = 0.039 cum.				
	Add for wastage @ 10% = 0.004 cum.				
	Grand Total = 0.043 cum. 43 cudm				
1190	Second class teak wood in planks	10 cudm	4.30	791.00	3401.30
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	300.00	381.00
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	0.60	196.00	117.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.48	36.00	17.28
2204	Carriage of Timber	cum	0.043	118.59	5.10
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0119	Glazier	day	0.23	679.00	156.17
0114	Beldar	day	0.77	558.00	429.66
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				5886.44 W
	Add 1 % Water charges on "W"				58.86
	TOTAL				5945.30 X
	Add GST on "X" (multiplying factor 0.1405)				835.32
	TOTAL				6780.62 Y
	Add 15% CPOH on "Y"				1017.09
	TOTAL				7797.71 Z
	Add Cess @ 1% on "Z"				77.98
	Cost of 2.16 sqm.				7875.69
	Cost of 1 sqm.				3646.15
	Say				3646.15

9.16.2.2 Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutter of cup-board 2000x108cm = 2.16 sqm. MATERIAL (i) Teak wood second class Styles : 4x200x9.5x2.5 cm = 0.019 cum Rails Top & intermediate rails 2x110.5x9.5x2.5 cm = 0.006 cum Lock and bottom rails 2x110.5x19.7x2.5 cm = 0.011 cum Beadings- 2x186.1x1.9x1.2cm = 0.001cum+ 4x171.70x1.9x1.2cm = 0.002cum. Total = 0.039 cum. Add for wastage @ 10% = 0.004 cum. Grand Total = 0.0403 cum or 43 cudm				
1190	Second class teak wood in planks	10 cudm	4.30	791.00	3401.30
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	300.00	381.00
0608	Nickel plated mild steel piono hinges 1 mm thick 25 mm wide	metre	4.00	39.00	156.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	1.14	36.00	41.04
2204	Carriage of Timber	cum	0.043	118.59	5.10
	LABOUR				
0156	Carpenter (average)	day	1.83	709.00	1297.47
0119	Glazier	day	0.23	679.00	156.17
0114	Beldar	day	0.77	558.00	429.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				5948.60 W
	Add 1 % Water charges on "W"				59.49
	TOTAL				6008.09 X
	Add GST on "X" (multiplying factor 0.1405)				844.14
	TOTAL				6852.22 Y
	Add 15% CPOH on "Y"				1027.83
	TOTAL				7880.05 Z
	Add Cess @ 1% on "Z"				78.80
	Cost of 2.16 sqm.				7958.86
	Cost of 1 sqm.				3684.66
	Say				3684.65

9.17 Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately):

9.17.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 350x200cm = 7sqm. MATERIAL 12mm thick particle board = 7.00sqm.+ Add wastage @ 5% = 0.35 sqm. Total = 7.35 sqm				
0341	Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick	sqm	7.35	288.00	2116.80
9977	Carriage of particle board	L.S.	13.52	2.00	27.04
9999	Sundries and screws	L.S.	26.91	2.00	53.82
	LABOUR				
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				3366.76 W
	Add 1 % Water charges on "W"				33.67
	TOTAL				3400.43 X
	Add GST on "X" (multiplying factor 0.1405)				477.76
	TOTAL				3878.19 Y
	Add 15% CPOH on "Y"				581.73
	TOTAL				4459.92 Z
	Add Cess @ 1% on "Z"				44.60
	Cost of 7 sqm.				4504.51
	Cost of 1 sqm.				643.50
	Say				643.50

9.17.2 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 350x200cm = 7sqm. MATERIAL 12mm thick particle board = 7.00sqm.+ Add wastage @ 5% = 0.35 sqm. Total = 7.35 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	7.35	480.00	3528.00
9977	Carriage of particle board	L.S.	19.76	2.00	39.52
9999	Sundries and screws	L.S.	26.91	2.00	53.82
	LABOUR				
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				4790.44 W
	Add 1 % Water charges on "W"				47.90
	TOTAL				4838.34 X
	Add GST on "X" (multiplying factor 0.1405)				679.79
	TOTAL				5518.13 Y
	Add 15% CPOH on "Y"				827.72
	TOTAL				6345.85 Z
	Add Cess @ 1% on "Z"				63.46
	Cost of 7 sqm.				6409.31
	Cost of 1 sqm.				915.62
	Say				915.60

9.18 Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately).

9.18.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4 nos. 75x20cm shelves = 0.60 sqm. MATERIAL 18mm thick particle board 4x75x20cm = 0.60sqm. Add wastage @ 5% = 0.03sqm. Total = 0.63 sqm				
7478	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	0.63	650.00	409.50
9977	Carriage of board	L.S.	0.91	2.00	1.82
	LABOUR				
0112	Carpenter 2nd class	day	0.11	679.00	74.69
0114	Beldar	day	0.06	558.00	33.48

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries, Painting edges & Screws	L.S.	7.80	2.00	15.60
	TOTAL				535.09 W
	Add 1 % Water charges on "W"				5.35
	TOTAL				540.44 X
	Add GST on "X" (multiplying factor 0.1405)				75.93
	TOTAL				616.37 Y
	Add 15% CPOH on "Y"				92.46
	TOTAL				708.83 Z
	Add Cess @ 1% on "Z"				7.09
	Cost of 0.60 sqm.				715.92
	Cost per sqm.				1193.20
	Say				1193.20

9.18.2 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4 nos. 75x20cm shelves = 0.60 sqm.				
	MATERIAL				
	25mm thick particle board				
	4x75x20cm = 0.60sqm.				
	Add wastage @ 5% = 0.03sqm.				
	Total = 0.63 sqm				
7479	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	0.63	900.00	567.00
9977	Carriage of board	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.11	679.00	74.69
0114	Beldar	day	0.06	558.00	33.48
9999	Sundries, Painting edges & Screws	L.S.	7.80	2.00	15.60
	TOTAL				694.41 W
	Add 1 % Water charges on "W"				6.94
	TOTAL				701.35 X
	Add GST on "X" (multiplying factor 0.1405)				98.54
	TOTAL				799.89 Y
	Add 15% CPOH on "Y"				119.98
	TOTAL				919.88 Z
	Add Cess @ 1% on "Z"				9.20
	Cost of 0.60 sqm.				929.08
	Cost per sqm.				1548.46
	Say				1548.45

9.20 Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.

9.20.1 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0713	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with teak wood ply on both faces 35 mm thick	sqm	2.20	1800.00	3960.00
9977	Carriage of door	L.S.	29.64	2.00	59.28
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
	LABOUR For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	709.00	389.95
0114	Beldar	day	0.55	558.00	306.90
	TOTAL				4972.33 W
	Add 1 % Water charges on "W"				49.72
	TOTAL				5022.05 X
	Add GST on "X" (multiplying factor 0.1405)				705.60
	TOTAL				5727.65 Y
	Add 15% CPOH on "Y"				859.15
	TOTAL				6586.80 Z
	Add Cess @ 1% on "Z"				65.87
	Cost for 2.2 sqm.				6652.67
	Cost of 1 sqm.				3023.94
	Say				3023.95

9.20.2 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0714	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with teak wood ply on both faces 30 mm thick	sqm	2.20	1600.00	3520.00
9977	Carriage of door	L.S.	29.64	2.00	59.28
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
	LABOUR For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	709.00	389.95

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.55	558.00	306.90
	TOTAL				4532.33 W
	Add 1 % Water charges on "W"				45.32
	TOTAL				4577.65 X
	Add GST on "X" (multiplying factor 0.1405)				643.16
	TOTAL				5220.81 Y
	Add 15% CPOH on "Y"				783.12
	TOTAL				6003.94 Z
	Add Cess @ 1% on "Z"				60.04
	Cost for 2.2 sqm.				6063.97
	Cost of 1 sqm.				2756.35
	Say				2756.35

9.20.3 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0715	Details of cost for 2.2 sqm. MATERIAL				
	Block board construction flush door with teak wood ply on both faces 25 mm thick	sqm	2.20	1400.00	3080.00
9977	Carriage of door	L.S.	29.64	2.00	59.28
	Fittings-For a door 2.2x1.0m = 2.20 sqm.				
0608	Nickel plated mild steel piono hinges 1 mm thick 25 mm wide	metre	4.40	39.00	171.60
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	1.25	36.00	45.00
	LABOUR				
	For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	709.00	389.95
0114	Beldar	day	0.55	558.00	306.90
	TOTAL				4052.73 W
	Add 1 % Water charges on "W"				40.53
	TOTAL				4093.26 X
	Add GST on "X" (multiplying factor 0.1405)				575.10
	TOTAL				4668.36 Y
	Add 15% CPOH on "Y"				700.25
	TOTAL				5368.61 Z
	Add Cess @ 1% on "Z"				53.69
	Cost for 2.2 sqm.				5422.30
	Cost of 1 sqm.				2464.68
	Say				2464.70

9.21 Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:

9.21.1 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0717	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with commercial ply on both faces 35 mm thick	sqm	2.20	950.00	2090.00
9977	Carriage of door	L.S.	29.64	2.00	59.28
8220	Fittings-For a door 2.2x1.0m = 2.20 sqm. Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
	LABOUR For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	709.00	389.95
0114	Beldar	day	0.55	558.00	306.90
	TOTAL				3102.33 W
	Add 1 % Water charges on "W"				31.02
	TOTAL				3133.35 X
	Add GST on "X" (multiplying factor 0.1405)				440.24
	TOTAL				3573.59 Y
	Add 15% CPOH on "Y"				536.04
	TOTAL				4109.63 Z
	Add Cess @ 1% on "Z"				41.10
	Cost for 2.2 sqm.				4150.72
	Cost of 1 sqm.				1886.69
	Say				1886.70

9.21.2 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0718	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with commercial ply on both faces 30 mm thick	sqm	2.20	900.00	1980.00
9977	Carriage of door	L.S.	29.64	2.00	59.28
8220	Fittings-For a door 2.2x1.0m = 2.20 sqm. Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
	LABOUR For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	709.00	389.95

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.55	558.00	306.90
	TOTAL				2992.33 W
	Add 1 % Water charges on "W"				29.92
	TOTAL				3022.25 X
	Add GST on "X" (multiplying factor 0.1405)				424.63
	TOTAL				3446.88 Y
	Add 15% CPOH on "Y"				517.03
	TOTAL				3963.91 Z
	Add Cess @ 1% on "Z"				39.64
	Cost for 2.2 sqm.				4003.55
	Cost of 1 sqm.				1819.80
	Say				1819.80

9.21.3 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0719	Details of cost for 2.2 sqm. MATERIAL Block board construction flush door with commercial ply on both faces 25 mm thick	sqm	2.20	890.00	1958.00
9977	Carriage of door	L.S.	29.64	2.00	59.28
0608	Fittings-For a door 2.2x1.0m = 2.20 sqm. Nickel plated mild steel piono hinges 1 mm thick 25 mm wide	metre	4.40	39.00	171.60
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	1.25	36.00	45.00
	LABOUR For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	709.00	389.95
0114	Beldar	day	0.55	558.00	306.90
	TOTAL				2930.73 W
	Add 1 % Water charges on "W"				29.31
	TOTAL				2960.04 X
	Add GST on "X" (multiplying factor 0.1405)				415.89
	TOTAL				3375.92 Y
	Add 15% CPOH on "Y"				506.39
	TOTAL				3882.31 Z
	Add Cess @ 1% on "Z"				38.82
	Cost for 2.2 sqm.				3921.13
	Cost of 1 sqm.				1782.33
	Say				1782.35

9.22 Extra for Providing and fixing flush doors with decorative veneering instead of non decorative ISI marked flush door shutters conforming to IS: 2202 (Part I)
9.22.1 On one side only

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7307	Details of cost for 1sqm. For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm. Say	sqm	1.00	330.00	330.00 330.00 W 3.30 333.30 X 46.83 380.13 Y 57.02 437.15 Z 4.37 441.52 441.50

9.23 Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0752	Details of cost for 1 sqm. of door area Block board construction flush door lipping TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	sqm of door area	1.00	300.00	300.00 300.00 W 3.00 303.00 X 42.57 345.57 Y 51.84 397.41 Z 3.97 401.38 401.40

9.24 Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured):

9.24.1 Rectangular or square

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0753	Details of cost for 1 sqm. of door area Square vision panel (upto 0.10 sqm) in Block board construction flush door TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm. Say	sqm of door area	1.00	130.00	130.00 130.00 W 1.30 131.30 X 18.45 149.75 Y 22.46 172.21 Z 1.72 173.93 173.95

9.24.2 Circular

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0754	Details of cost for 1 sqm. of door area Circular vision panel (upto 0.10 sqm) in Block board construction flush door TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm. Say	sqm of door area	1.00	135.00	135.00 135.00 W 1.35 136.35 X 19.16 155.51 Y 23.33 178.83 Z 1.79 180.62 180.60

9.25 Extra if louvers (not exceeding 0.2 sqm) are provided in flush door shutters (overall area of door shutters to be measured).

9.25.1 Decorative type door

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0755	Details of cost for 1 sqm. of door area Decorative type Louvers (upto 0.20 sqm)in Block board construction flush door TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm. Say	sqm of door area	1.00	265.00	265.00 265.00 W 2.65 267.65 X 37.60 305.25 Y 45.79 351.04 Z 3.51 354.55 354.55

9.26 Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0757	Details of cost for 1 sqm. of door area Rebate cutting in Block board construction flush door TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm. Say	sqm of door area	1.00	70.00	70.00 70.00 W 0.70 70.70 X 9.93 80.63 Y 12.10 92.73 Z 0.93 93.66 93.65

9.27 Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :

9.27.1 35 mm thick shutters

9.27.1.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.27.1.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
1190	Second class teak wood in planks Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm	5.14	791.00	4065.74
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
2204	Carriage of Timber LABOUR	cum	0.0514	118.59	6.10
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				6814.83 W
	Add 1 % Water charges on "W"				68.15
	TOTAL				6882.97 X
	Add GST on "X" (multiplying factor 0.1405)				967.06
	TOTAL				7850.03 Y
	Add 15% CPOH on "Y"				1177.50
	TOTAL				9027.54 Z
	Add Cess @ 1% on "Z"				90.28
	Cost of 2.16 sqm.				9117.81
	Cost of 1 sqm.				4221.21
	Say				4221.20

9.27.1.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
2505	Hollock wood in planks	10 cudm	5.14	390.00	2004.60
2204	Carriage of Timber	cum	0.0514	118.59	6.10
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
9999	Chemical treatment	L.S.	8.97	2.00	17.94
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				4810.18 W
	Add 1 % Water charges on "W"				48.10
	TOTAL				4858.28 X
	Add GST on "X" (multiplying factor 0.1405)				682.59
	TOTAL				5540.87 Y
	Add 15% CPOH on "Y"				831.13
	TOTAL				6372.00 Z
	Add Cess @ 1% on "Z"				63.72
	Cost of 2.16 sqm.				6435.71
	Cost of 1 sqm.				2979.50
	Say				2979.50

9.27.1.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cum.				
1200	Kiln seasoned selected sheesham wood planks	10 cum	5.14	650.00	3341.00
2204	Carriage of Timber	cum	0.0514	118.59	6.10
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	1.41	250.00	352.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				6128.64 W
	Add 1 % Water charges on "W"				61.29
	TOTAL				6189.92 X
	Add GST on "X" (multiplying factor 0.1405)				869.68
	TOTAL				7059.61 Y
	Add 15% CPOH on "Y"				1058.94
	TOTAL				8118.55 Z
	Add Cess @ 1% on "Z"				81.19
	Cost of 2.16 sqm.				8199.73
	Cost of 1 sqm.				3796.17
	Say				3796.15

9.27.1.2 With ISI marked stainless steel butt hinges of required size

9.27.1.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Second class Teak wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
1190	Second class teak wood in planks Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm	5.14	791.00	4065.74
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				7019.03 W
	Add 1 % Water charges on "W"				70.19
	TOTAL				7089.22 X
	Add GST on "X" (multiplying factor 0.1405)				996.03
	TOTAL				8085.25 Y
	Add 15% CPOH on "Y"				1212.79
	TOTAL				9298.04 Z
	Add Cess @ 1% on "Z"				92.98
	Cost of 2.16 sqm.				9391.02
	Cost of 1 sqm.				4347.69
	Say				4347.70

9.27.1.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
2505	Hollock wood in planks	10 cudm	5.14	390.00	2004.60
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
9999	Chemical treatment	L.S.	8.97	2.00	17.94
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				5014.38 W
	Add 1 % Water charges on "W"				50.14
	TOTAL				5064.52 X
	Add GST on "X" (multiplying factor 0.1405)				711.56
	TOTAL				5776.08 Y
	Add 15% CPOH on "Y"				866.41
	TOTAL				6642.50 Z
	Add Cess @ 1% on "Z"				66.42
	Cost of 2.16 sqm.				6708.92
	Cost of 1 sqm.				3105.98
	Say				3106.00

9.27.1.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cumdm.				
1200	Kiln seasoned selected sheesum wood planks	10 cumdm	5.14	650.00	3341.00
2504	Kiln seasoning of timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.0514	750.00	38.55
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				6332.84 W
	Add 1 % Water charges on "W"				63.33
	TOTAL				6396.16 X
	Add GST on "X" (multiplying factor 0.1405)				898.66
	TOTAL				7294.82 Y
	Add 15% CPOH on "Y"				1094.22
	TOTAL				8389.05 Z
	Add Cess @ 1% on "Z"				83.89
	Cost of 2.16 sqm.				8472.94
	Cost of 1 sqm.				3922.66
	Say				3922.65

9.27.2 30 mm thick shutters
9.27.2.1 with ISI marked M.S. pressed butt hinges bright finished of required size
9.27.2.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1190	Second class teak wood in planks	10 cudm	4.40	791.00	3480.40
2204	Carriage of Timber	cum	0.044	118.59	5.22
	Wire gauge 2x160x40cm = 1.28 sqm.+Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				6055.32 W
	Add 1 % Water charges on "W"				60.55
	TOTAL				6115.87 X
	Add GST on "X" (multiplying factor 0.1405)				859.28
	TOTAL				6975.15 Y
	Add 15% CPOH on "Y"				1046.27
	TOTAL				8021.42 Z
	Add Cess @ 1% on "Z"				80.21
	Cost of 2.16 sqm.				8101.64
	Cost of 1 sqm.				3750.76
	Say				3750.75

9.27.2.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
2505	Hollock wood in planks	10 cudm	4.40	390.00	1716.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
9999	Chemical treatment	L.S.	9.10	2.00	18.20
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				4342.12 W
	Add 1 % Water charges on "W"				43.42
	TOTAL				4385.54 X
	Add GST on "X" (multiplying factor 0.1405)				616.17
	TOTAL				5001.71 Y
	Add 15% CPOH on "Y"				750.26
	TOTAL				5751.96 Z
	Add Cess @ 1% on "Z"				57.52
	Cost of 2.16 sqm.				5809.48
	Cost of 1 sqm.				2689.58
	Say				2689.60

9.27.2.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				5467.92 W
	Add 1 % Water charges on "W"				54.68
	TOTAL				5522.60 X
	Add GST on "X" (multiplying factor 0.1405)				775.92
	TOTAL				6298.52 Y
	Add 15% CPOH on "Y"				944.78
	TOTAL				7243.30 Z
	Add Cess @ 1% on "Z"				72.43
	Cost of 2.16 sqm.				7315.73
	Cost of 1 sqm.				3386.91
	Say				3386.90

9.27.2.2 With ISI marked stainless steel butt hinges of required size

9.27.2.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1190	Second class teak wood in planks	10 cudm	4.40	791.00	3480.40
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.044	118.59	5.22
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				6259.52 W
	Add 1 % Water charges on "W"				62.60
	TOTAL				6322.11 X
	Add GST on "X" (multiplying factor 0.1405)				888.26
	TOTAL				7210.37 Y
	Add 15% CPOH on "Y"				1081.56
	TOTAL				8291.93 Z
	Add Cess @ 1% on "Z"				82.92
	Cost of 2.16 sqm.				8374.84
	Cost of 1 sqm.				3877.24
	Say				3877.25

9.27.2.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
2505	Hollock wood in planks	10 cudm	4.40	390.00	1716.00
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
9999	Chemical treatment	L.S.	8.97	2.00	17.94
2204	Carriage of Timber	cum	0.044	118.59	5.22
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				4546.06 W
	Add 1 % Water charges on "W"				45.46
	TOTAL				4591.52 X
	Add GST on "X" (multiplying factor 0.1405)				645.11
	TOTAL				5236.63 Y
	Add 15% CPOH on "Y"				785.49
	TOTAL				6022.12 Z
	Add Cess @ 1% on "Z"				60.22
	Cost of 2.16 sqm.				6082.34
	Cost of 1 sqm.				2815.90
	Say				2815.90

9.27.2.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	1.41	250.00	352.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				5672.12 W
	Add 1 % Water charges on "W"				56.72
	TOTAL				5728.84 X
	Add GST on "X" (multiplying factor 0.1405)				804.90
	TOTAL				6533.74 Y
	Add 15% CPOH on "Y"				980.06
	TOTAL				7513.80 Z
	Add Cess @ 1% on "Z"				75.14
	Cost of 2.16 sqm.				7588.94
	Cost of 1 sqm.				3513.40
	Say				3513.40

- 9.31 Providing and fixing wire gauge laminated veneer lumber shutters conforming to IS : 14616, and as per TADS 15 :2001 (Part B) using galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm as per IS :1568, for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, as per directions of Engineer-in-charge: (Note:- Butt hinges and necessary screws shall be paid separately)**
- 9.31.1 35 mm thick shutters**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7154	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm on both directions with wire of dia 0.63 mm	sqm	2.38	1620.00	3855.60
9977	Carriage of shutters	L.S.	29.64	2.00	59.28
0156	LABOUR Carpenter (average)	day	0.52	709.00	368.68
0114	Beldar	day	0.60	558.00	334.80
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				4690.12 W
	Add 1 % Water charges on "W"				46.90
	TOTAL				4737.02 X
	Add GST on "X" (multiplying factor 0.1405)				665.55
	TOTAL				5402.57 Y
	Add 15% CPOH on "Y"				810.39
	TOTAL				6212.96 Z
	Add Cess @ 1% on "Z"				62.13
	Cost of 2.38 sqm.				6275.09
	Cost of 1 sqm.				2636.59
	Say				2636.60

9.31.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7155	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL Factory made 30 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm on both directions with wire of dia 0.63 mm	sqm	2.38	1430.00	3403.40
9977	Carriage of shutters	L.S.	29.64	2.00	59.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR				
	Carpenter (average)	day	0.52	709.00	368.68
0114	Beldar	day	0.60	558.00	334.80
9999	Sundries	L.S.	35.88	2.00	71.76
	TOTAL				4237.92 W
	Add 1 % Water charges on "W"				42.38
	TOTAL				4280.30 X
	Add GST on "X" (multiplying factor 0.1405)				601.38
	TOTAL				4881.68 Y
	Add 15% CPOH on "Y"				732.25
	TOTAL				5613.93 Z
	Add Cess @ 1% on "Z"				56.14
	Cost of 2.38 sqm.				5670.07
	Cost of 1 sqm.				2382.38
	Say				2382.40

9.40 Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :

9.40.1 2nd class teak wood

9.40.1.1 50x12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading for a window of size 140x110cm i.e. 500cm long (5 metre)				
	MATERIAL				
	Teak wood IInd class in planks 500x5x1.2cm = 0.003 cum+				
	Add for wastage @ 10% = 0.0003 cum.				
	Total = 0.0033 cum. Say 3.3 cudm.				
1190	Second class teak wood in planks	10 cudm	0.33	791.00	261.03
2204	Carriage of Timber	cum	0.0033	118.59	0.39
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.36	60.00	21.60
	Painting with priming coat Area = 500(5+1.2+1.2) = 0.37 sqm				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	0.37	57.05	21.11 A
	LABOUR				
0111	For planing, fixing and making design Carpenter 1st class	day	0.53	738.00	391.14
	TOTAL				695.27 W
	Add 1 % Water charges on "W-A"				6.74
	TOTAL				702.01 X
	Add GST on "X-A" (multiplying factor 0.1405)				95.67
	TOTAL				797.68 Y
	Add 15% CPOH on "Y-A"				116.49
	TOTAL				914.16 Z
	Add Cess @ 1% on "Z-A"				8.93
	Cost of 5 metre				923.09
	Cost of 1 metre				184.62
	Say				184.60

9.40.1.2 50 x 20 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading of a window of size 140x110cm i.e. 500cm. long (5metre)				
	MATERIAL				
	Teak wood IInd class in planks				
	500x5x2.0cm = 0.005cum+				
	Add for wastage @ 10% = 0.0005 cum.				
	Total = 0.0055 cum. Say 5.5 cudm.				
1190	Second class teak wood in planks	10 cudm	0.55	791.00	435.05
2204	Carriage of Timber	cum	0.0055	118.59	0.65
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.36	60.00	21.60
	Painting with priming coat Area = 500(5+2+2) = 0.45 sqm				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	0.45	57.05	25.67 A
	LABOUR				
	For planing, fixing and making design				
0111	Carpenter 1st class	day	0.53	738.00	391.14
	TOTAL				874.11 W
	Add 1 % Water charges on "W-A"				8.48
	TOTAL				882.60 X
	Add GST on "X-A" (multiplying factor 0.1405)				120.40
	TOTAL				1003.00 Y
	Add 15% CPOH on "Y-A"				146.60
	TOTAL				1149.60 Z
	Add Cess @ 1% on "Z-A"				11.24
	Cost of 5 metre				1160.84
	Cost of 1 metre				232.17
	Say				232.15

9.40.2 Kiln seasoned and chemically treated hollock wood

9.40.2.1 50x12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading for a window of size 140x110cm i.e. 500cm long (5 metre)				
	MATERIAL				
	Hollock wood 500x5x1.2cm = 0.003 cum+				
	Add for wastage @ 10% = 0.0003 cum.				
	Total = 0.0033 cum. Say 3.3 cudm.				
2505	Hollock wood in planks	10 cudm	0.33	390.00	128.70
2204	Carriage of Timber	cum	0.0033	118.59	0.39
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.36	60.00	21.60
	Painting with priming coat Area = 500(5+1.2+1.2) = 0.37 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	0.37	57.05	21.11 A
0111	LABOUR For plaining, fixing and making design				
	Carpenter 1st class	day	0.53	738.00	391.14
	TOTAL				562.94 W
	Add 1 % Water charges on "W-A"				5.42
	TOTAL				568.36 X
	Add GST on "X-A" (multiplying factor 0.1405)				76.89
	TOTAL				645.25 Y
	Add 15% CPOH on "Y-A"				93.62
	TOTAL				738.87 Z
	Add Cess @ 1% on "Z-A"				7.18
	Cost of 5 metre				746.05
	Cost of 1 metre				149.21
	Say				149.20

9.40.2.2 50x20 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading for a window of size 140x110cm i.e. 500cm long (5 metre)				
	MATERIAL				
	Hollock wood 500x50x200mm = 0.005 cum +				
	Add for wastage @ 10% = 0.0005 cum.				
	Total = 0.0055 cum. Say 5.5 cudm.				
2505	Hollock wood in planks	10 cudm	0.55	390.00	214.50
2204	Carriage of Timber	cum	0.0055	118.59	0.65
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.36	60.00	21.60
	Painting with priming coat Area = 500(5+2+2) = 0.45 sqm				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	0.45	57.05	25.67 A
	LABOUR				
	For plaining, fixing and making design				
	Carpenter 1st class	day	0.53	738.00	391.14
	TOTAL				653.56 W
	Add 1 % Water charges on "W-A"				6.28
	TOTAL				659.84 X
	Add GST on "X-A" (multiplying factor 0.1405)				89.10
	TOTAL				748.94 Y
	Add 15% CPOH on "Y-A"				108.49
	TOTAL				857.44 Z
	Add Cess @ 1% on "Z-A"				8.32
	Cost of 5 metre				865.75
	Cost of 1 metre				173.15
	Say				173.15

9.41 Providing and fixing plain jaffri of 35x10 mm laths placed 35 mm apart (frames to be paid separately), including fixing 50x12 mm beading complete with :
9.41.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of a jaffri 200x110cm = 2.2sqm. MATERIAL Teakwood IInd class Jaffri 210x120x1.0cm = 0.025cum.+ Beading 660x5x1.2cm = 0.004cum. Total = 0.029 cum.+ Add wastage @ 10% = 0.003 cum. Total = 0.032 cum. Say 32 cudm.				
1190	Second class teak wood in planks	10 cudm	3.20	791.00	2531.20
2204	Carriage of Timber	cum	0.032	118.59	3.79
	LABOUR				
0111	Carpenter 1st class	day	0.75	738.00	553.50
0112	Carpenter 2nd class	day	1.00	679.00	679.00
0114	Beldar	day	0.50	558.00	279.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				4187.89 W
	Add 1 % Water charges on "W"				41.88
	TOTAL				4229.77 X
	Add GST on "X" (multiplying factor 0.1405)				594.28
	TOTAL				4824.06 Y
	Add 15% CPOH on "Y"				723.61
	TOTAL				5547.67 Z
	Add Cess @ 1% on "Z"				55.48
	Cost of 2.2 sqm.				5603.14
	Cost of 1 sqm.				2546.88
	Say				2546.90

9.42 Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed 3 layer or graded wood particle board medium density grade I, IS : 3087 marked, including top cover of 6 mm commercial ply wood conforming to IS: 303 BWR grade, nickel plated M.S. pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a pelmet 2m long MATERIAL (i) 18mm thick particle board (medium density exterior grade) Front-1x1.7x0.15= 0.255sqm.+ Sides-2x0.15x0.15= 0.045sqm. Total = 0.300sqm.+ Add wastage @5% = 0.015sqm. Total = 0.315sqm. Say 0.32 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	0.32	480.00	153.60
	6mm thick commercial ply wood				
	Top-1x1.7x0.15= 0.255sqm.+				
	Add wastage @ 5% = 0.013 sqm. = 0.268 sqm. Say 0.27 sqm.				
2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	0.27	300.00	81.00
7034	Nickle plated M.S. pipe 20 mm dia.	metre	1.65	72.00	118.80
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	2.00	7.00	14.00
9977	Carriage of material	L.S.	0.52	2.00	1.04
9999	M.S. flat 25x3mm and 10cm long over brackets	L.S.	8.06	2.00	16.12
2505	Hollock wood in planks	10 cudm	0.032	390.00	12.48
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	25.00	50.00
	LABOUR				
0112	Carpenter 2nd class	day	0.18	679.00	122.22
0114	Beldar	day	0.18	558.00	100.44
0130	Mistry	day	0.11	738.00	81.18
9999	Sundries	L.S.	2.73	2.00	5.46
	TOTAL				756.34 W
	Add 1 % Water charges on "W"				7.56
	TOTAL				763.90 X
	Add GST on "X" (multiplying factor 0.1405)				107.33
	TOTAL				871.23 Y
	Add 15% CPOH on "Y"				130.68
	TOTAL				1001.92 Z
	Add Cess @ 1% on "Z"				10.02
	Cost of 2 m				1011.94
	Cost of 1 metre				505.97
	Say				505.95

9.43 Providing and fixing 18 mm thick, 150 mm wide pelmet of coir veneer board ISI marked IS : 14842, including top cover of 6 mm coir veneer board, nickle plated M.S. Pipe 20 mm dia. (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. Flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a pelmet 2m long				
	MATERIAL				
	(i) 18mm thick Coir veneered board				
	Front-1x1.7x0.15= 0.255sqm.+				
	Sides-2x0.15x0.15= 0.045sqm.				
	Total = 0.300sqm.+				
	Add wastage @5% = 0.015sqm.				
	Total = 0.315sqm. Say 0.32 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7556	Coir veneered board 18mm thick 6mm thick commercial ply wood Top-1x1.7x0.15= 0.255sqm.+ Add wastage @ 5% = 0.013 sqm. Total = 0.268 sqm. Say 0.27 sqm.	sqm	0.32	1000.00	320.00
7553	Coir veneered board 6mm thick	sqm	0.27	385.00	103.95
7034	Nickle plated M.S. pipe 20 mm dia.	metre	1.65	72.00	118.80
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	2.00	7.00	14.00
9977	Carriage of material	L.S.	0.52	2.00	1.04
9999	M.S. flat 25x3mm and 10cm long over brackets	L.S.	8.06	2.00	16.12
2505	Hollock wood in planks	10 cudm	0.032	390.00	12.48
7048	Rawl plug 50 mm (designation 10 no.) LABOUR	each	2.00	25.00	50.00
0112	Carpenter 2nd class	day	0.18	679.00	122.22
0114	Beldar	day	0.18	558.00	100.44
0130	Mistry	day	0.11	738.00	81.18
9999	Sundries	L.S.	2.73	2.00	5.46
	TOTAL				945.69 W
	Add 1 % Water charges on "W"				9.46
	TOTAL				955.15 X
	Add GST on "X" (multiplying factor 0.1405)				134.20
	TOTAL				1089.35 Y
	Add 15% CPOH on "Y"				163.40
	TOTAL				1252.75 Z
	Add Cess @ 1% on "Z"				12.53
	Cost of 2 m				1265.27
	Cost of 1 metre				632.64
	Say				632.65

9.44 Extra for using veneered particle board conforming to IS 3097 Grade I, in item of pelmet 18mm thick 150mm wide.

9.44.1 Non decorative veneer on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a pelmet 2m long MATERIAL (i) 18mm thick particle board (medium density exterior grade) Front-1x1.7x0.15= 0.255sqm.+ Sides-2x0.15x0.15= 0.045sqm. Total = 0.300sqm.+ Add wastage @5% = 0.015sqm. Total = 0.315sqm. Say 0.32 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	0.32	155.00	49.60
	TOTAL				49.60 W
	Add 1 % Water charges on "W"				0.50
	TOTAL				50.10 X
	Add GST on "X" (multiplying factor 0.1405)				7.04
	TOTAL				57.13 Y
	Add 15% CPOH on "Y"				8.57
	TOTAL				65.70 Z
	Add Cess @ 1% on "Z"				0.66
	Cost of 2m				66.36
	Cost of 1 metre				33.18
	Say				33.20

9.44.2 Particle board with decorative veneering on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0348	Details of cost for a pelmet 2m long MATERIAL (i) 18mm thick particle board (medium density exterior grade) Front-1x1.7x0.15= 0.255sqm.+ Sides-2x0.15x0.15= 0.045sqm. Total = 0.300sqm.+ Add wastage @5% = 0.015sqm. Total = 0.315sqm. Say 0.32 sqm. Extra for veneered particle board with Teak veneering on both sides	sqm	0.32	500.00	160.00
	TOTAL				160.00 W
	Add 1 % Water charges on "W"				1.60
	TOTAL				161.60 X
	Add GST on "X" (multiplying factor 0.1405)				22.70
	TOTAL				184.30 Y
	Add 15% CPOH on "Y"				27.65
	TOTAL				211.95 Z
	Add Cess @ 1% on "Z"				2.12
	Cost of 2m				214.07
	Cost of 1 metre				107.04
	Say				107.05

9.45 Providing and fixing teak wood lipping of size 25x3 mm in pelmet.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7049	Details of cost for 10 metre MATERIAL Teak wood lipping of size 25x3 mm in pelmets	metre	10.00	14.00	140.00
0112	LABOUR Carpenter 2nd class	day	0.25	679.00	169.75

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.25	558.00	139.50
	TOTAL				449.25 W
	Add 1 % Water charges on "W"				4.49
	TOTAL				453.74 X
	Add GST on "X" (multiplying factor 0.1405)				63.75
	TOTAL				517.49 Y
	Add 15% CPOH on "Y"				77.62
	TOTAL				595.12 Z
	Add Cess @ 1% on "Z"				5.95
	Cost for 10 metre				601.07
	Cost of 1 metre				60.11
	Say				60.10

9.46 Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete :

9.46.1 12 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0590	Details of cost for 2m long MATERIAL				
	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	2.00	185.00	370.00
7023	Chromium plated brackets (curtain rods)	each	2.00	7.00	14.00
9999	C.P. brass screws	L.S.	4.03	2.00	8.06
9977	CARRIAGE	L.S.	1.56	2.00	3.12
0458	PVC cleaves for screws	each	2.00	2.00	4.00
9999	LABOUR	L.S.	2.73	2.00	5.46
9999	Sundries	L.S.	1.56	2.00	3.12
	TOTAL				407.76 W
	Add 1 % Water charges on "W"				4.08
	TOTAL				411.84 X
	Add GST on "X" (multiplying factor 0.1405)				57.86
	TOTAL				469.70 Y
	Add 15% CPOH on "Y"				70.46
	TOTAL				540.16 Z
	Add Cess @ 1% on "Z"				5.40
	Cost for 2 metre				545.56
	Cost of 1 metre				272.78
	Say				272.80

9.46.2 20 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0591	Details of cost for 2m long MATERIAL				
	Chromium plated Brass curtain rod 20 mm dia 1.25mm thick	metre	2.00	260.00	520.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7023	Chromium plated brackets (curtain rods)	each	2.00	7.00	14.00
9999	C.P. brass screws	L.S.	4.03	2.00	8.06
9977	CARRIAGE	L.S.	1.56	2.00	3.12
0458	PVC cleaves for screws	each	2.00	2.00	4.00
9999	LABOUR	L.S.	2.73	2.00	5.46
9999	Sundries	L.S.	1.56	2.00	3.12
	TOTAL				557.76 W
	Add 1 % Water charges on "W"				5.58
	TOTAL				563.34 X
	Add GST on "X" (multiplying factor 0.1405)				79.17
	TOTAL				642.50 Y
	Add 15% CPOH on "Y"				96.38
	TOTAL				738.88 Z
	Add Cess @ 1% on "Z"				7.39
	Cost for 2 metre				746.27
	Cost of 1 metre				373.13
	Say				373.15

9.46.3 25 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2m long MATERIAL				
0592	Chromium plated Brass curtain rod 25 mm dia 1.25mm thick	metre	2.00	340.00	680.00
7023	Chromium plated brackets (curtain rods)	each	2.00	7.00	14.00
9999	C.P. brass screws	L.S.	4.03	2.00	8.06
9977	CARRIAGE	L.S.	1.56	2.00	3.12
0458	PVC cleaves for screws	each	2.00	2.00	4.00
9999	LABOUR	L.S.	2.73	2.00	5.46
9999	Sundries	L.S.	1.56	2.00	3.12
	TOTAL				717.76 W
	Add 1 % Water charges on "W"				7.18
	TOTAL				724.94 X
	Add GST on "X" (multiplying factor 0.1405)				101.85
	TOTAL				826.79 Y
	Add 15% CPOH on "Y"				124.02
	TOTAL				950.81 Z
	Add Cess @ 1% on "Z"				9.51
	Cost for 2 metre				960.32
	Cost of 1 metre				480.16
	Say				480.15

9.47 Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :
9.47.1 20 mm dia (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2m long MATERIAL				
7034	Nickle plated M.S. pipe 20 mm dia.	metre	2.00	72.00	144.00
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	2.00	7.00	14.00
9999	Screws	L.S.	4.03	2.00	8.06
9999	CARRIAGE	L.S.	1.56	2.00	3.12
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	25.00	50.00
9999	Labour including fixing rawl plug	L.S.	5.20	2.00	10.40
9999	Sundries	L.S.	1.56	2.00	3.12
	TOTAL				232.70 W
	Add 1 % Water charges on "W"				2.33
	TOTAL				235.03 X
	Add GST on "X" (multiplying factor 0.1405)				33.02
	TOTAL				268.05 Y
	Add 15% CPOH on "Y"				40.21
	TOTAL				308.26 Z
	Add Cess @ 1% on "Z"				3.08
	Cost for 2 metre				311.34
	Cost of 1 metre				155.67
	Say				155.65

9.47.2 25 mm dia (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2m long MATERIAL				
7033	Nickel plated M.S. pipe 25mm dia	metre	2.00	76.00	152.00
7036	Nickle plated M.S. Brackets for curtain rod 25 mm	each	2.00	8.00	16.00
9999	Screws	L.S.	4.03	2.00	8.06
9999	CARRIAGE	L.S.	1.56	2.00	3.12
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	25.00	50.00
9999	Labour including fixing rawl plug	L.S.	5.20	2.00	10.40
9999	Sundries	L.S.	1.56	2.00	3.12
	TOTAL				242.70 W
	Add 1 % Water charges on "W"				2.43
	TOTAL				245.13 X
	Add GST on "X" (multiplying factor 0.1405)				34.44
	TOTAL				279.57 Y
	Add 15% CPOH on "Y"				41.94
	TOTAL				321.50 Z
	Add Cess @ 1% on "Z"				3.22
	Cost for 2 metre				324.72
	Cost of 1 metre				162.36
	Say				162.35

9.48 Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.

9.48.1 Fixed to steel windows by welding

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1003	Details of cost for 18.54 kg Grill size 90x120cm = 1.08sqm. MATERIAL M.S. bar 16mm dia. metre- 11x86cm = 9.46m. @ 1.58kg/m = 14.95kg+ Add wastage @ 10% = 1.50kg. Total = 16.45kg. Say 0.165q Mild steel round bar above 12 mm dia M.S. flat 25x3.15mm 2x120cm = 2.40m+ 2x90cm = 1.80m+ 1x120cm = 1.20m+ 2x15cm = 0.30m Total =5.70m 5.70m @ 0.63kg/m = 3.59kg+ Add wastage @ 10% = 0.36kg. Total = 3.95kg. Say 4 kg. or 0.04q	quintal	0.165	4400.00	726.00
1008	Flats upto 10 mm in thickness	quintal	0.04	4500.00	180.00
2205	Carriage of Steel 0.165 + 0.04 = 0.205 q = 0.0205 t Say 0.02 tonne	tonne	0.02	92.24	1.84
9999	Sundries	L.S.	26.91	2.00	53.82
9999	Welding charges	L.S.	19.76	2.00	39.52
13.50.3	Priming coat: Area=1x0.9x1.2x1=1.08 sqm Rate as per Item No.13.50.3 of SH: Finishing	sqm	1.08	50.70	54.76 A
0102	LABOUR Blacksmith 1st class	day	0.86	738.00	634.68
0114	Beldar	day	1.10	558.00	613.80
	TOTAL				2304.42 W
	Add 1 % Water charges on "W-A"				22.50
	TOTAL				2326.92 X
	Add GST on "X-A" (multiplying factor 0.1405)				319.24
	TOTAL				2646.16 Y
	Add 15% CPOH on "Y-A"				388.71
	TOTAL				3034.87 Z
	Add Cess @ 1% on "Z-A"				29.80
	Cost for 18.54 kg.				3064.67
	Cost for 1 kg.				165.30
	Say				165.30

9.48.2 Fixed to openings /wooden frames with rawl plugs screws etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1003	Details of cost for 18.54 kg Grill size 90x120cm = 1.08sqm. MATERIAL M.S. bar 16mm dia. metre- 11x86cm = 9.46m. @ 1.58kg/m = 14.95kg+ Add wastage @ 10% = 1.50kg. Total = 16.45kg. Say 0.165q Mild steel round bar above 12 mm dia M.S. flat 25x3.15mm 2x120cm = 2.40m+ 2x90cm = 1.80m+ 1x120cm = 1.20m+ 2x15cm = 0.30m Total =5.70m 5.70m @ 0.63kg/m = 3.59kg+ Add wastage @ 10% = 0.36kg. Total = 3.95kg. Say 4 kg. or 0.04q	quintal	0.165	4400.00	726.00
1008	Flats upto 10 mm in thickness	quintal	0.04	4500.00	180.00
2205	Carriage of Steel 0.165 + 0.04 = 0.205 q = 0.0205 t Say 0.02 tonne	tonne	0.02	92.24	1.84
9999	Sundries	L.S.	26.91	2.00	53.82
9999	Welding charges	L.S.	19.76	2.00	39.52
13.50.3	Priming coat: Area=1x0.9x1.2x1=1.08 sqm Rate as per Item No.13.50.3 of SH: Finishing	sqm	1.08	50.70	54.76 A
0102	LABOUR Blacksmith 1st class	day	0.86	738.00	634.68
0114	Beldar	day	1.10	558.00	613.80
7048	Rawl plug 50 mm (designation 10 no.)	each	8.00	25.00	200.00
9999	Fixing of rawl plugs	L.S.	26.00	2.00	52.00
	TOTAL				2556.42 W
	Add 1 % Water charges on "W-A"				25.02
	TOTAL				2581.44 X
	Add GST on "X-A" (multiplying factor 0.1405)				355.00
	TOTAL				2936.44 Y
	Add 15% CPOH on "Y-A"				432.25
	TOTAL				3368.69 Z
	Add Cess @ 1% on "Z-A"				33.14
	Cost for 18.54 kg.				3401.83
	Cost for 1 kg.				183.49
	Say				183.50

9.49 Providing and fixing expanded metal 20x60 mm strands 3.25 mm wide and 1.6mm thick for windows etc. including 62 x19 mm beading of II nd class teak wood and priming coat with approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL Expanded metal -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm.				
1015	Mild steel expanded metal 20x60 mm strands	sqm	1.69	280.00	473.20
9977	Carriage	L.S.	1.82	2.00	3.64
	Priming coat				
13.50.3	Area=1.40x1.10x1.00=1.54sqm Rate as per Item No.13.50.3 of SH: FINISHING	sqm	1.54	50.70	78.08 A
	Second class teak wood beading 5mx62mmx19mm = 0.0059cum. Add wastage @ 10% = 0.00059cum. Total = 0.00649cum. Say 6 cudm.				
1190	Second class teak wood in planks	10 cudm	0.60	791.00	474.60
2204	Carriage of Timber	cum	0.006	118.59	0.71
	LABOUR				
0112	Carpenter 2nd class	day	0.33	679.00	224.07
0114	Beldar	day	0.25	558.00	139.50
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				1447.62 W
	Add 1 % Water charges on "W-A"				13.70
	TOTAL				1461.31 X
	Add GST on "X-A" (multiplying factor 0.1405)				194.34
	TOTAL				1655.66 Y
	Add 15% CPOH on "Y-A"				236.64
	TOTAL				1892.30 Z
	Add Cess @ 1% on "Z-A"				18.14
	Cost of 1.54 sqm.				1910.44
	Cost of 1 sqm.				1240.54
	Say				1240.55

9.50 Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. including 62x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL Hard drawn steel wire fabric -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1021	Hard drawn steel wire fabric	sqm	1.69	430.00	726.70
9977	Carriage of wire fabric	L.S.	1.82	2.00	3.64
13.50.3	Priming coat Area=1.40x1.10x1.00=1.54sqm Rate as per Item No.13.50.3 of SH: FINISHING	sqm	1.54	50.70	78.08 A
1190	Second class teak wood beading 5mx62mmx19mm = 0.0059cum. Add wastage @ 10% = 0.00059cum. Total = 0.00649cum. Say 6 cum.	10 cum	0.60	791.00	474.60
2204	Second class teak wood in planks Carriage of Timber	cum	0.006	118.59	0.71
0112	LABOUR Carpenter 2nd class	day	0.33	679.00	224.07
0114	Beldar	day	0.25	558.00	139.50
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				1686.82 W
	Add 1 % Water charges on "W-A"				16.09
	TOTAL				1702.91 X
	Add GST on "X-A" (multiplying factor 0.1405)				228.29
	TOTAL				1931.20 Y
	Add 15% CPOH on "Y-A"				277.97
	TOTAL				2209.16 Z
	Add Cess @ 1% on "Z-A"				21.31
	Cost of 1.54 sqm.				2230.47
	Cost of 1 sqm.				1448.36
	Say				1448.35

9.51 Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete.

9.51.1 With 2nd class teak wood beading 62X19 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7029	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm. Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	1.69	250.00	422.50
9977	Carriage of wire fabric	L.S.	1.82	2.00	3.64
1190	Second class teak wood beading 5mx62mmx19mm = 0.0059cum. Add wastage @ 10% = 0.00059cum. Total = 0.00649cum. Say 6 cum.	10 cum	0.60	791.00	474.60
2204	Second class teak wood in planks Carriage of Timber	cum	0.006	118.59	0.71

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
	Carpenter 2nd class	day	0.33	679.00	224.07
0114	Beldar	day	0.25	558.00	139.50
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				1304.54 W
	Add 1 % Water charges on "W"				13.05
	TOTAL				1317.59 X
	Add GST on "X" (multiplying factor 0.1405)				185.12
	TOTAL				1502.71 Y
	Add 15% CPOH on "Y"				225.41
	TOTAL				1728.11 Z
	Add Cess @ 1% on "Z"				17.28
	Cost of 1.54 sqm.				1745.40
	Cost of 1 sqm.				1133.37
	Say				1133.35

9.51.2 With 12 mm mild steel U beading

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window of size 140x110cm =1.54sqm.				
	MATERIAL				
	Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+				
	Add wastage @ 10% = 0.15sqm.				
	Total = 1.69 sqm.				
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.69	250.00	422.50
9977	Carriage of wire fabric	L.S.	1.82	2.00	3.64
7349	12 mm M.S. 'U' beading	metre	5.00	14.00	70.00
	LABOUR				
0112	Carpenter 2nd class	day	0.33	679.00	224.07
0114	Beldar	day	0.25	558.00	139.50
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				899.23 W
	Add 1 % Water charges on "W"				8.99
	TOTAL				908.22 X
	Add GST on "X" (multiplying factor 0.1405)				127.61
	TOTAL				1035.83 Y
	Add 15% CPOH on "Y"				155.37
	TOTAL				1191.20 Z
	Add Cess @ 1% on "Z"				11.91
	Cost of 1.54 sqm.				1203.11
	Cost of 1 sqm.				781.24
	Say				781.25

9.52 Deduct for fixing 75x25 mm hard drawn steel wire fabric of weight not less than 7.75 Kg per sqm in panelled and glazed door and window shutter instead of glass sheet 4 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1021	Details of cost for 1 sqm. MATERIAL				
2406	Hard drawn steel wire fabric	sqm	1.00	430.00	430.00
	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	300.00	-300.00
	Difference of cost				
	TOTAL				130.00 W
	Add 1 % Water charges on "W"				1.30
	TOTAL				131.30 X
	Add GST on "X" (multiplying factor 0.1405)				18.45
	TOTAL				149.75 Y
	Add 15% CPOH on "Y"				22.46
	TOTAL				172.21 Z
	Add Cess @ 1% on "Z"				1.72
	Extra cost for 1 sqm.				173.93
	Say				173.95

9.53 Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1008	Details of cost for 1 hold fast MATERIAL				
9977	M.S.flat 40x5mm 40cm long @ 1.68 kg/m = 0.672 kg = 0.0067 quintal	quintal	0.0067	4500.00	30.15
	Flats upto 10 mm in thickness				
	Carriage of steel	L.S.	1.82	2.00	3.64
	Cement concrete 1:3:6 30x10x15cm= 0.0045cum.+ Add wastage @ 10% = 0.00045cum. Total = 0.00495cum. Say 0.005cum.				
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.005	8025.00	40.13 A
9999	Bolts and nuts	L.S.	5.46	2.00	10.92
	LABOUR				
0103	Blacksmith 2nd class	day	0.03	679.00	20.37
0123	Mason (brick layer) 1st class	day	0.03	738.00	22.14

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.03	558.00	16.74
	TOTAL				144.09 W
	Add 1 % Water charges on "W-A"				1.04
	TOTAL				145.12 X
	Add GST on "X-A" (multiplying factor 0.1405)				14.75
	TOTAL				159.88 Y
	Add 15% CPOH on "Y-A"				17.96
	TOTAL				177.84 Z
	Add Cess @ 1% on "Z-A"				1.38
	Cost for 1 no				179.22
	Say				179.20

9.54 Providing beams including hoisting, fixing in position and applying wood preservative for the unexposed surfaces, etc. complete with :

9.54.1 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a beam 450x30x 15cm = 0.203cum. or 203cum.				
	MATERIAL				
	Sal wood = 203 cum.+				
	Add wastage @ 2% = 4.06cum.				
	Total = 207.06cum. Say 207.1 cum.				
1199	Sal wood in scantling	10 cum	20.71	600.00	12426.00
2204	Carriage of Timber	cum	0.2071	118.59	24.56
	Priming coat (wood preservative)				
13.57.1	Rate as per item no 13.57.1				
	SH : Finishing	sqm	0.54	44.50	24.03 A
	LABOUR				
0112	Carpenter 2nd class	day	0.70	679.00	475.30
0114	Beldar	day	1.45	558.00	809.10
0100	Bandhani	day	0.70	617.00	431.90
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				14244.71 W
	Add 1 % Water charges on "W-A"				142.21
	TOTAL				14386.92 X
	Add GST on "X-A" (multiplying factor 0.1405)				2017.99
	TOTAL				16404.90 Y
	Add 15% CPOH on "Y-A"				2457.13
	TOTAL				18862.03 Z
	Add Cess @ 1% on "Z-A"				188.38
	Cost for 203 cum.				19050.41
	Cost of 1 cum.				93844.38
	Say				93844.40

9.54.2 Hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a beam 450x30x15cm = 0.203cum. or 203cudm. MATERIAL Hollock wood = 203 cudm.+ Add wastage @ 2% = 4.06cudm. Total = 207.06cudm. Say 207.1 cudm.				
2466	Hollock wood in scantling	10 cudm	20.71	350.00	7248.50
2204	Carriage of Timber	cum	0.207	118.59	24.55
	Priming coat (wood preservative)				
13.57.1	Rate as per item no 13.57.1				
	SH : Finishing	sqm	0.54	44.50	24.03 A
	LABOUR				
0112	Carpenter 2nd class	day	0.70	679.00	475.30
0114	Beldar	day	1.45	558.00	809.10
0100	Bandhani	day	0.70	617.00	431.90
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				9067.20 W
	Add 1 % Water charges on "W-A"				90.43
	TOTAL				9157.63 X
	Add GST on "X-A" (multiplying factor 0.1405)				1283.27
	TOTAL				10440.90 Y
	Add 15% CPOH on "Y-A"				1562.53
	TOTAL				12003.43 Z
	Add Cess @ 1% on "Z-A"				119.79
	Cost for 203 cudm.				12123.23
	Cost of 1 cum.				59720.34
	Say				59720.35

9.55 Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete :

9.55.1 125x65x2.12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten hinges				
	MATERIAL				
0594	Bright finished or black enamelled mild steel butt hinges 125x65x2.12 mm	10 Nos	1.00	135.00	135.00
0635	Bright finished or black enamelled mild steel screws 50 mm	100 Nos	0.80	75.00	60.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				345.74 W
	Add 1 % Water charges on "W"				3.46
	TOTAL				349.20 X
	Add GST on "X" (multiplying factor 0.1405)				49.06
	TOTAL				398.26 Y
	Add 15% CPOH on "Y"				59.74
	TOTAL				458.00 Z
	Add Cess @ 1% on "Z"				4.58
	Cost of 10 nos.				462.58
	Cost of 1 no				46.26
	Say				46.25

9.55.2 100x58x1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten hinges				
	MATERIAL				
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	1.00	80.00	80.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	60.00	48.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				278.74 W
	Add 1 % Water charges on "W"				2.79
	TOTAL				281.53 X
	Add GST on "X" (multiplying factor 0.1405)				39.55
	TOTAL				321.08 Y
	Add 15% CPOH on "Y"				48.16
	TOTAL				369.24 Z
	Add Cess @ 1% on "Z"				3.69
	Cost of 10 nos.				372.94
	Cost of 1 no				37.29
	Say				37.30

9.55.3 75x47x1.70 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten hinges				
	MATERIAL				
0596	Bright finished or black enamelled mild steel butt hinges 75x47x1.70 mm	10 Nos	1.00	56.00	56.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	45.00	27.00
9977	Carriage of materials	L.S.	1.82	2.00	3.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				231.92 W
	Add 1 % Water charges on "W"				2.32
	TOTAL				234.24 X
	Add GST on "X" (multiplying factor 0.1405)				32.91
	TOTAL				267.15 Y
	Add 15% CPOH on "Y"				40.07
	TOTAL				307.22 Z
	Add Cess @ 1% on "Z"				3.07
	Cost of 10 nos.				310.29
	Cost of 1 no				31.03
	Say				31.05

9.55.4 50x37x1.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten hinges				
	MATERIAL				
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	1.00	49.00	49.00
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.40	30.00	12.00
9977	Carriage of materials	L.S.	0.91	2.00	1.82
	LABOUR				
0112	Carpenter 2nd class	day	0.08	679.00	54.32
	TOTAL				117.14 W
	Add 1 % Water charges on "W"				1.17
	TOTAL				118.31 X
	Add GST on "X" (multiplying factor 0.1405)				16.62
	TOTAL				134.93 Y
	Add 15% CPOH on "Y"				20.24
	TOTAL				155.17 Z
	Add Cess @ 1% on "Z"				1.55
	Cost of 10 nos.				156.73
	Cost of 1 no				15.67
	Say				15.65

9.56 Providing and fixing ISI marked, IS : 1341, M.S. heavy weight butt hinges with necessary screws etc. complete :

9.56.1 125x90x4.00 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten hinges				
	MATERIAL				
8222	M.S. heavy weight but hinges 125x90x4.0mm IS : 1341 marked.	10 Nos	1.00	210.00	210.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0635	Bright finished or black enamelled mild steel screws 50 mm	100 Nos	0.80	75.00	60.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				420.74 W
	Add 1 % Water charges on "W"				4.21
	TOTAL				424.95 X
	Add GST on "X" (multiplying factor 0.1405)				59.71
	TOTAL				484.65 Y
	Add 15% CPOH on "Y"				72.70
	TOTAL				557.35 Z
	Add Cess @ 1% on "Z"				5.57
	Cost of 10 nos.				562.92
	Cost of 1 no				56.29
	Say				56.30

9.56.2 100x75x3.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten hinges				
	MATERIAL				
8223	M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked	10 Nos	1.00	160.00	160.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	60.00	48.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				358.74 W
	Add 1 % Water charges on "W"				3.59
	TOTAL				362.33 X
	Add GST on "X" (multiplying factor 0.1405)				50.91
	TOTAL				413.23 Y
	Add 15% CPOH on "Y"				61.99
	TOTAL				475.22 Z
	Add Cess @ 1% on "Z"				4.75
	Cost of 10 nos.				479.97
	Cost of 1 no				48.00
	Say				48.00

9.56.3 75x60x3.10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten hinges				
	MATERIAL				
8224	M.S. heavy weight butt hinges 75x60x3.1 mm IS: 1341 marked	10 Nos	1.00	95.00	95.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	45.00	27.00
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				270.92 W
	Add 1 % Water charges on "W"				2.71
	TOTAL				273.63 X
	Add GST on "X" (multiplying factor 0.1405)				38.44
	TOTAL				312.07 Y
	Add 15% CPOH on "Y"				46.81
	TOTAL				358.89 Z
	Add Cess @ 1% on "Z"				3.59
	Cost of 10 nos.				362.47
	Cost of 1 no				36.25
	Say				36.25

9.56.4 50x40x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten hinges				
	MATERIAL				
8225	M.S. heavy weight butt hinges	10 Nos	1.00	80.00	80.00
	50x40x2.5 mm IS : 1341 marked				
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.40	30.00	12.00
9977	Carriage of materials	L.S.	0.91	2.00	1.82
	LABOUR				
0112	Carpenter 2nd class	day	0.08	679.00	54.32
	TOTAL				148.14 W
	Add 1 % Water charges on "W"				1.48
	TOTAL				149.62 X
	Add GST on "X" (multiplying factor 0.1405)				21.02
	TOTAL				170.64 Y
	Add 15% CPOH on "Y"				25.60
	TOTAL				196.24 Z
	Add Cess @ 1% on "Z"				1.96
	Cost of 10 nos.				198.20
	Cost of 1 no				19.82
	Say				19.80

9.57 Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete.
9.57.1 125x65x2.12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0642	Oxidised mild steel butt hinges 125x65x2.12 mm	10 Nos	1.00	130.00	130.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	76.00	60.80
9977	Carriage of materials	L.S.	3.64	2.00	7.28
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				343.36 W
	Add 1 % Water charges on "W"				3.43
	TOTAL				346.79 X
	Add GST on "X" (multiplying factor 0.1405)				48.72
	TOTAL				395.52 Y
	Add 15% CPOH on "Y"				59.33
	TOTAL				454.85 Z
	Add Cess @ 1% on "Z"				4.55
	Cost of 10 nos.				459.39
	Cost of 1 no				45.94
	Say				45.95

9.57.2 100x58x1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0643	Oxidised mild steel butt hinges 100x58x1.90 mm	10 Nos	1.00	85.00	85.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				285.34 W
	Add 1 % Water charges on "W"				2.85
	TOTAL				288.19 X
	Add GST on "X" (multiplying factor 0.1405)				40.49
	TOTAL				328.68 Y
	Add 15% CPOH on "Y"				49.30
	TOTAL				377.99 Z
	Add Cess @ 1% on "Z"				3.78
	Cost of 10 nos.				381.77
	Cost of 1 no				38.18
	Say				38.20

9.57.3 75x47x1.70 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0644	Oxidised mild steel butt hinges 75x47x1.70 mm	10 Nos	1.00	63.00	63.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	49.00	29.40
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				241.32 W
	Add 1 % Water charges on "W"				2.41
	TOTAL				243.73 X
	Add GST on "X" (multiplying factor 0.1405)				34.24
	TOTAL				277.98 Y
	Add 15% CPOH on "Y"				41.70
	TOTAL				319.67 Z
	Add Cess @ 1% on "Z"				3.20
	Cost of 10 nos.				322.87
	Cost of 1 no				32.29
	Say				32.30

9.57.4 50x37x1.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0645	Oxidised mild steel butt hinges 50x37x1.50 mm	10 Nos	1.00	53.00	53.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	0.91	2.00	1.82
	LABOUR				
0112	Carpenter 2nd class	day	0.08	679.00	54.32
	TOTAL				121.94 W
	Add 1 % Water charges on "W"				1.22
	TOTAL				123.16 X
	Add GST on "X" (multiplying factor 0.1405)				17.30
	TOTAL				140.46 Y
	Add 15% CPOH on "Y"				21.07
	TOTAL				161.53 Z
	Add Cess @ 1% on "Z"				1.62
	Cost of 10 nos.				163.15
	Cost of 1 no				16.31
	Say				16.30

9.58 Providing and fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete :
9.58.1 150x125x27x2.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0646	Oxidised mild steel parliamentary hinges 150x125x27x2.8 mm	10 Nos	1.00	334.00	334.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				562.24 W
	Add 1 % Water charges on "W"				5.62
	TOTAL				567.86 X
	Add GST on "X" (multiplying factor 0.1405)				79.78
	TOTAL				647.65 Y
	Add 15% CPOH on "Y"				97.15
	TOTAL				744.79 Z
	Add Cess @ 1% on "Z"				7.45
	Cost of 10 nos.				752.24
	Cost of 1 no				75.22
	Say				75.20

9.58.2 125x125x27x2.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0647	Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm	10 Nos	1.00	309.00	309.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				537.24 W
	Add 1 % Water charges on "W"				5.37
	TOTAL				542.61 X
	Add GST on "X" (multiplying factor 0.1405)				76.24
	TOTAL				618.85 Y
	Add 15% CPOH on "Y"				92.83
	TOTAL				711.68 Z
	Add Cess @ 1% on "Z"				7.12
	Cost of 10 nos.				718.79
	Cost of 1 no				71.88
	Say				71.90

9.58.3 100x125x27x2.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0648	Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm	10 Nos	1.00	231.00	231.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				459.24 W
	Add 1 % Water charges on "W"				4.59
	TOTAL				463.83 X
	Add GST on "X" (multiplying factor 0.1405)				65.17
	TOTAL				529.00 Y
	Add 15% CPOH on "Y"				79.35
	TOTAL				608.35 Z
	Add Cess @ 1% on "Z"				6.08
	Cost of 10 nos.				614.43
	Cost of 1 no				61.44
	Say				61.45

9.58.4 75x100x20x2.24 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0649	Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm	10 Nos	1.00	196.00	196.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	49.00	29.40
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				404.04 W
	Add 1 % Water charges on "W"				4.04
	TOTAL				408.08 X
	Add GST on "X" (multiplying factor 0.1405)				57.34
	TOTAL				465.42 Y
	Add 15% CPOH on "Y"				69.81
	TOTAL				535.23 Z
	Add Cess @ 1% on "Z"				5.35
	Cost of 10 nos.				540.58
	Cost of 1 no				54.06
	Say				54.05

9.59 Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete :
9.59.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0650	Oxidised mild steel single acting spring hinges 150 mm	each	10.00	138.00	1380.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	76.00	60.80
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.40	679.00	271.60
0114	Beldar	day	0.20	558.00	111.60
	TOTAL				1829.46 W
	Add 1 % Water charges on "W"				18.29
	TOTAL				1847.75 X
	Add GST on "X" (multiplying factor 0.1405)				259.61
	TOTAL				2107.36 Y
	Add 15% CPOH on "Y"				316.10
	TOTAL				2423.47 Z
	Add Cess @ 1% on "Z"				24.23
	Cost of 10 nos.				2447.70
	Cost of 1 no				244.77
	Say				244.75

9.59.2 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0651	Oxidised mild steel single acting spring hinges 125 mm	each	10.00	118.00	1180.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	76.00	60.80
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.40	679.00	271.60
0114	Beldar	day	0.20	558.00	111.60
	TOTAL				1629.46 W
	Add 1 % Water charges on "W"				16.29
	TOTAL				1645.75 X
	Add GST on "X" (multiplying factor 0.1405)				231.23
	TOTAL				1876.98 Y
	Add 15% CPOH on "Y"				281.55
	TOTAL				2158.53 Z
	Add Cess @ 1% on "Z"				21.59
	Cost of 10 nos.				2180.12
	Cost of 1 no				218.01
	Say				218.00

9.59.3 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0652	Oxidised mild steel single acting spring hinges 100 mm	each	10.00	98.00	980.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.40	679.00	271.60
0114	Beldar	day	0.20	558.00	111.60
	TOTAL				1418.26 W
	Add 1 % Water charges on "W"				14.18
	TOTAL				1432.44 X
	Add GST on "X" (multiplying factor 0.1405)				201.26
	TOTAL				1633.70 Y
	Add 15% CPOH on "Y"				245.06
	TOTAL				1878.76 Z
	Add Cess @ 1% on "Z"				18.79
	Cost of 10 nos.				1897.54
	Cost of 1 no				189.75
	Say				189.75

9.60 Providing and fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete.
9.60.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0653	Oxidised mild steel double acting spring hinges 150 mm	each	10.00	157.00	1570.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	76.00	60.80
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.40	679.00	271.60
0114	Beldar	day	0.20	558.00	111.60
	TOTAL				2019.46 W
	Add 1 % Water charges on "W"				20.19
	TOTAL				2039.65 X
	Add GST on "X" (multiplying factor 0.1405)				286.57
	TOTAL				2326.23 Y
	Add 15% CPOH on "Y"				348.93
	TOTAL				2675.16 Z
	Add Cess @ 1% on "Z"				26.75
	Cost of 10 nos.				2701.91
	Cost of 1 no				270.19
	Say				270.20

9.60.2 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0654	Oxidised mild steel double acting spring hinges 125 mm	each	10.00	135.00	1350.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	76.00	60.80
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.40	679.00	271.60
0114	Beldar	day	0.20	558.00	73.60
	TOTAL				1761.46 W
	Add 1 % Water charges on "W"				17.61
	TOTAL				1779.07 X
	Add GST on "X" (multiplying factor 0.1405)				249.96
	TOTAL				2029.03 Y
	Add 15% CPOH on "Y"				304.36
	TOTAL				2333.39 Z
	Add Cess @ 1% on "Z"				23.33
	Cost of 10 nos.				2356.72
	Cost of 1 no				235.67
	Say				235.65

9.60.3 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0655	Oxidised mild steel double acting spring hinges 100 mm	each	10.00	118.00	1180.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	62.00	49.60
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.40	679.00	271.60
0114	Beldar	day	0.20	558.00	111.60
	TOTAL				1618.26 W
	Add 1 % Water charges on "W"				16.18
	TOTAL				1634.44 X
	Add GST on "X" (multiplying factor 0.1405)				229.64
	TOTAL				1864.08 Y
	Add 15% CPOH on "Y"				279.61
	TOTAL				2143.69 Z
	Add Cess @ 1% on "Z"				21.44
	Cost of 10 nos.				2165.13
	Cost of 1 no				216.51
	Say				216.50

9.61 Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete.
9.61.1 Overall width 35 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 meter				
	MATERIAL				
0656	Nickel plated mild steel piono hinges 1 mm thick 35 mm wide	metre	1.00	44.00	44.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	32.00	9.60
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				202.52 W
	Add 1 % Water charges on "W"				2.03
	TOTAL				204.55 X
	Add GST on "X" (multiplying factor 0.1405)				28.74
	TOTAL				233.28 Y
	Add 15% CPOH on "Y"				34.99
	TOTAL				268.28 Z
	Add Cess @ 1% on "Z"				2.68
	Cost for 1 metre				270.96
	Say				270.95

9.61.2 Overall width 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 meter				
	MATERIAL				
7485	Oxidised M. S. hinges finished with nickel plating 50 mm (Over all width)	metre	1.00	40.00	40.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	32.00	9.60
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				198.52 W
	Add 1 % Water charges on "W"				1.99
	TOTAL				200.51 X
	Add GST on "X" (multiplying factor 0.1405)				28.17
	TOTAL				228.68 Y
	Add 15% CPOH on "Y"				34.30
	TOTAL				262.98 Z
	Add Cess @ 1% on "Z"				2.63
	Cost for 1 metre				265.61
	Say				265.60

9.61.3 Overall width 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 meter				
	MATERIAL				
7486	Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width)	metre	1.00	52.00	52.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	32.00	9.60
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				210.52 W
	Add 1 % Water charges on "W"				2.11
	TOTAL				212.63 X
	Add GST on "X" (multiplying factor 0.1405)				29.87
	TOTAL				242.50 Y
	Add 15% CPOH on "Y"				36.37
	TOTAL				278.87 Z
	Add Cess @ 1% on "Z"				2.79
	Cost for 1 metre				281.66
	Say				281.65

9.62 Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :

9.62.1 300x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0660	Oxidised mild steel sliding door bolt 300x16 mm	each	10.00	93.00	930.00
7040	Oxidised mild steel screws 35 mm	100 Nos	1.20	48.00	57.60
0641	Bright finished or black enamelled mild steel bolts and nuts 50x6 mm	each	40.00	5.00	200.00
9988	Carriage of materials & sundries	L.S.	6.37	2.00	12.74
	LABOUR				
0112	Carpenter 2nd class	day	0.25	679.00	169.75
	TOTAL				1370.09 W
	Add 1 % Water charges on "W"				13.70
	TOTAL				1383.79 X
	Add GST on "X" (multiplying factor 0.1405)				194.42
	TOTAL				1578.21 Y
	Add 15% CPOH on "Y"				236.73
	TOTAL				1814.95 Z
	Add Cess @ 1% on "Z"				18.15
	Cost of 10 nos.				1833.10
	Cost of 1 no.				183.31
	Say				183.30

9.62.2 250x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0661	Oxidised mild steel sliding door bolt 250x16 mm	each	10.00	84.00	840.00
7040	Oxidised mild steel screws 35 mm	100 Nos	1.00	48.00	48.00
0641	Bright finished or black enamelled mild steel bolts and nuts 50x6 mm	each	40.00	5.00	200.00
9988	Carriage of materials & sundries	L.S.	6.37	2.00	12.74
	LABOUR				
0112	Carpenter 2nd class	Day	0.25	679.00	169.75
	TOTAL				1270.49 W
	Add 1 % Water charges on "W"				12.70
	TOTAL				1283.19 X
	Add GST on "X" (multiplying factor 0.1405)				180.29
	TOTAL				1463.48 Y
	Add 15% CPOH on "Y"				219.52
	TOTAL				1683.01 Z
	Add Cess @ 1% on "Z"				16.83
	Cost of 10 nos.				1699.84
	Cost of 1 no.				169.98
	Say				170.00

9.63 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :
9.63.1 250x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0664	Oxidised mild steel tower bolt (barrel type) 250x10 mm	each	10.00	43.00	430.00
0684	Oxidised mild steel screws 30 mm	100 Nos	1.00	49.00	49.00
9977	Carriage of material	L.S.	3.64	2.00	7.28
	LABOUR				
0112	Carpenter 2nd class	day	0.10	679.00	67.90
	TOTAL				554.18 W
	Add 1 % Water charges on "W"				5.54
	TOTAL				559.72 X
	Add GST on "X" (multiplying factor 0.1405)				78.64
	TOTAL				638.36 Y
	Add 15% CPOH on "Y"				95.75
	TOTAL				734.12 Z
	Add Cess @ 1% on "Z"				7.34
	Cost of 10 nos.				741.46
	Cost of 1 no.				74.15
	Say				74.15

9.63.2 200x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0665	Oxidised mild steel tower bolt (barrel type) 200x10 mm	each	10.00	34.00	340.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.80	49.00	39.20
9977	Carriage of material	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.10	679.00	67.90
	TOTAL				452.56 W
	Add 1 % Water charges on "W"				4.53
	TOTAL				457.09 X
	Add GST on "X" (multiplying factor 0.1405)				64.22
	TOTAL				521.31 Y
	Add 15% CPOH on "Y"				78.20
	TOTAL				599.50 Z
	Add Cess @ 1% on "Z"				6.00
	Cost of 10 nos.				605.50
	Cost of 1 no.				60.55
	Say				60.55

9.63.3 150x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0666	Oxidised mild steel tower bolt (barrel type) 150x10 mm	each	10.00	29.00	290.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	49.00	29.40
9977	Carriage of material	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.10	679.00	67.90
	TOTAL				392.76 W
	Add 1 % Water charges on "W"				3.93
	TOTAL				396.69 X
	Add GST on "X" (multiplying factor 0.1405)				55.73
	TOTAL				452.42 Y
	Add 15% CPOH on "Y"				67.86
	TOTAL				520.29 Z
	Add Cess @ 1% on "Z"				5.20
	Cost of 10 nos.				525.49
	Cost of 1 no.				52.55
	Say				52.55

9.63.4 100x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0667	Oxidised mild steel tower bolt (barrel type) 100x10 mm	each	10.00	20.00	200.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	49.00	29.40
9977	Carriage of material	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.08	679.00	54.32
	TOTAL				289.18 W
	Add 1 % Water charges on "W"				2.89
	TOTAL				292.07 X
	Add GST on "X" (multiplying factor 0.1405)				41.04
	TOTAL				333.11 Y
	Add 15% CPOH on "Y"				49.97
	TOTAL				383.07 Z
	Add Cess @ 1% on "Z"				3.83
	Cost of 10 nos.				386.90
	Cost of 1 no.				38.69
	Say				38.70

9.64 Providing and fixing ISI marked 85x42 mm oxidised M.S. pull bolt lock conforming to IS : 7534 with necessary screws bolts, nut and washers etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
2449	Oxidised mild steel pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws,bolts,nuts and washers complete	each	10.00	60.00	600.00
9988	Carriage of materials & sundries	L.S.	6.37	2.00	12.74
	LABOUR				
0112	Carpenter 2nd class	day	0.25	679.00	169.75
	TOTAL				782.49 W
	Add 1 % Water charges on "W"				7.82
	TOTAL				790.31 X
	Add GST on "X" (multiplying factor 0.1405)				111.04
	TOTAL				901.35 Y
	Add 15% CPOH on "Y"				135.20
	TOTAL				1036.56 Z
	Add Cess @ 1% on "Z"				10.37
	Cost of 10 nos.				1046.92
	Cost of 1 no.				104.69
	Say				104.70

9.65 Providing and fixing ISI marked oxidised M.S. door latches conforming to IS:5930 with screws etc. complete :
9.65.1 300x20x6 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0662	Oxidised mild steel door latch 300x20x6 mm	each	10.00	49.00	490.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.90	36.00	32.40
9977	Carriage of materials	L.S.	3.64	2.00	7.28
	LABOUR				
0112	Carpenter 2nd class	day	0.12	679.00	81.48
	TOTAL				611.16 W
	Add 1 % Water charges on "W"				6.11
	TOTAL				617.27 X
	Add GST on "X" (multiplying factor 0.1405)				86.73
	TOTAL				704.00 Y
	Add 15% CPOH on "Y"				105.60
	TOTAL				809.60 Z
	Add Cess @ 1% on "Z"				8.10
	Cost of 10 nos.				817.69
	Cost of 1 no.				81.77
	Say				81.75

9.65.2 250x20x6 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0663	Oxidised mild steel door latch 250x20x6 mm	each	10.00	39.00	390.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.90	36.00	32.40
9977	Carriage of materials	L.S.	3.64	2.00	7.28
	LABOUR				
0112	Carpenter 2nd class	day	0.12	679.00	81.48
	TOTAL				511.16 W
	Add 1 % Water charges on "W"				5.11
	TOTAL				516.27 X
	Add GST on "X" (multiplying factor 0.1405)				72.54
	TOTAL				588.81 Y
	Add 15% CPOH on "Y"				88.32
	TOTAL				677.13 Z
	Add Cess @ 1% on "Z"				6.77
	Cost of 10 nos.				683.90
	Cost of 1 no.				68.39
	Say				68.40

9.66 Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :
9.66.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0668	Oxidised mild steel handles 125 mm	each	10.00	20.00	200.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.06	679.00	40.74
	TOTAL				260.60 W
	Add 1 % Water charges on "W"				2.61
	TOTAL				263.21 X
	Add GST on "X" (multiplying factor 0.1405)				36.98
	TOTAL				300.19 Y
	Add 15% CPOH on "Y"				45.03
	TOTAL				345.21 Z
	Add Cess @ 1% on "Z"				3.45
	Cost of 10 nos.				348.67
	Cost of 1 no.				34.87
	Say				34.85

9.66.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0669	Oxidised mild steel handles 100 mm	each	10.00	15.00	150.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.06	679.00	40.74
	TOTAL				208.78 W
	Add 1 % Water charges on "W"				2.09
	TOTAL				210.87 X
	Add GST on "X" (multiplying factor 0.1405)				29.63
	TOTAL				240.49 Y
	Add 15% CPOH on "Y"				36.07
	TOTAL				276.57 Z
	Add Cess @ 1% on "Z"				2.77
	Cost of 10 nos.				279.33
	Cost of 1 no.				27.93
	Say				27.95

9.66.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0670	Oxidised mild steel handles 75 mm	each	10.00	12.00	120.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.06	679.00	40.74
	TOTAL				178.78 W
	Add 1 % Water charges on "W"				1.79
	TOTAL				180.57 X
	Add GST on "X" (multiplying factor 0.1405)				25.37
	TOTAL				205.94 Y
	Add 15% CPOH on "Y"				30.89
	TOTAL				236.83 Z
	Add Cess @ 1% on "Z"				2.37
	Cost of 10 nos.				239.20
	Cost of 1 no.				23.92
	Say				23.90

9.67 Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete :
9.67.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0679	Oxidised mild steel hasps and staples (safety type) 150 mm	10 Nos	1.00	128.00	128.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.80	36.00	28.80
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.08	679.00	54.32
	TOTAL				214.76 W
	Add 1 % Water charges on "W"				2.15
	TOTAL				216.91 X
	Add GST on "X" (multiplying factor 0.1405)				30.48
	TOTAL				247.38 Y
	Add 15% CPOH on "Y"				37.11
	TOTAL				284.49 Z
	Add Cess @ 1% on "Z"				2.84
	Cost of 10 nos.				287.34
	Cost of 1 no.				28.73
	Say				28.75

9.67.2 115 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	1.00	108.00	108.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.70	36.00	25.20
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.08	679.00	54.32
	TOTAL				191.16 W
	Add 1 % Water charges on "W"				1.91
	TOTAL				193.07 X
	Add GST on "X" (multiplying factor 0.1405)				27.13
	TOTAL				220.20 Y
	Add 15% CPOH on "Y"				33.03
	TOTAL				253.23 Z
	Add Cess @ 1% on "Z"				2.53
	Cost of 10 nos.				255.76
	Cost of 1 no.				25.58
	Say				25.60

9.67.3 90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	1.00	79.00	79.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.70	36.00	25.20
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.08	679.00	54.32
	TOTAL				162.16 W
	Add 1 % Water charges on "W"				1.62
	TOTAL				163.78 X
	Add GST on "X" (multiplying factor 0.1405)				23.01
	TOTAL				186.79 Y
	Add 15% CPOH on "Y"				28.02
	TOTAL				214.81 Z
	Add Cess @ 1% on "Z"				2.15
	Cost of 10 nos.				216.96
	Cost of 1 no.				21.70
	Say				21.70

9.68 Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete.

9.68.1 300 mm weighing not less than 200 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
7063	Oxidised M.S.casement stay (straight peg type) 300 mm not less than 0.33 kg	each	10.00	35.00	350.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.40	49.00	19.60
9977	Carriage of materials	L.S.	0.91	2.00	1.82
	LABOUR				
0112	Carpenter 2nd class	day	0.10	679.00	67.90
	TOTAL				439.32 W
	Add 1 % Water charges on "W"				4.39
	TOTAL				443.71 X
	Add GST on "X" (multiplying factor 0.1405)				62.34
	TOTAL				506.05 Y
	Add 15% CPOH on "Y"				75.91
	TOTAL				581.96 Z
	Add Cess @ 1% on "Z"				5.82
	Cost of 10 nos.				587.78
	Cost of 1 no.				58.78
	Say				58.80

9.68.2 250 mm weighing not less than 150 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
7064	Oxidised M.S.casement stay (straight peg type) 250 mm not less than 0.28 kg	each	10.00	30.00	300.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
9977	Carriage of materials	L.S.	0.91	2.00	1.82
	LABOUR				
0112	Carpenter 2nd class	day	0.10	679.00	67.90
	TOTAL				384.12 W
	Add 1 % Water charges on "W"				3.84
	TOTAL				387.96 X
	Add GST on "X" (multiplying factor 0.1405)				54.51
	TOTAL				442.47 Y
	Add 15% CPOH on "Y"				66.37
	TOTAL				508.84 Z
	Add Cess @ 1% on "Z"				5.09
	Cost of 10 nos.				513.93
	Cost of 1 no.				51.39
	Say				51.40

9.68.3 200 mm weighing not less than 120 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
7065	Oxidised M.S.casement stay (straight peg type) 200 mm not less than 0.24 kg	each	10.00	25.00	250.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
9977	Carriage of materials	L.S.	0.91	2.00	1.82
	LABOUR				
0112	Carpenter 2nd class	day	0.10	679.00	67.90
	TOTAL				334.12 W
	Add 1 % Water charges on "W"				3.34
	TOTAL				337.46 X
	Add GST on "X" (multiplying factor 0.1405)				47.41
	TOTAL				384.87 Y
	Add 15% CPOH on "Y"				57.73
	TOTAL				442.61 Z
	Add Cess @ 1% on "Z"				4.43
	Cost of 10 nos.				447.03
	Cost of 1 no.				44.70
	Say				44.70

9.69 Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors, (weighting not less than 450 gms)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
7184	Oxidised M.S. safety chain (weighing not less than 450 gms) for door	each	10.00	57.00	570.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.60	36.00	21.60
9977	Carriage of materials	L.S.	0.91	2.00	1.82
	LABOUR				
0112	Carpenter 2nd class	day	0.10	679.00	67.90
	TOTAL				661.32 W
	Add 1 % Water charges on "W"				6.61
	TOTAL				667.93 X
	Add GST on "X" (multiplying factor 0.1405)				93.84
	TOTAL				761.78 Y
	Add 15% CPOH on "Y"				114.27
	TOTAL				876.04 Z
	Add Cess @ 1% on "Z"				8.76
	Cost of 10 nos.				884.80
	Cost of 1 no.				88.48
	Say				88.50

9.70 Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :
9.70.1 125x64x1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
8215	Stainless steel butt hinges 125x64x 1.9 mm IS : 12817 marked	10 Nos	1.00	265.00	265.00
8210	Stainless steel screws 50 mm	100 Nos	0.80	270.00	216.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				631.74 W
	Add 1 % Water charges on "W"				6.32
	TOTAL				638.06 X
	Add GST on "X" (multiplying factor 0.1405)				89.65
	TOTAL				727.70 Y
	Add 15% CPOH on "Y"				109.16
	TOTAL				836.86 Z
	Add Cess @ 1% on "Z"				8.37
	Cost of 10 nos.				845.23
	Cost of 1 no				84.52
	Say				84.50

9.70.2 100X58X1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
8216	Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked	10 Nos	1.00	235.00	235.00
8211	Stainless steel screws 40 mm	100 Nos	0.80	215.00	172.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				557.74 W
	Add 1 % Water charges on "W"				5.58
	TOTAL				563.32 X
	Add GST on "X" (multiplying factor 0.1405)				79.15
	TOTAL				642.46 Y
	Add 15% CPOH on "Y"				96.37
	TOTAL				738.83 Z
	Add Cess @ 1% on "Z"				7.39
	Cost of 10 nos.				746.22
	Cost of 1 no				74.62
	Say				74.60

9.70.3 75x47x1.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
8217	Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked	10 Nos	1.00	160.00	160.00
8212	Stainless steel screws 30 mm	100 Nos	0.60	190.00	114.00
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				422.92 W
	Add 1 % Water charges on "W"				4.23
	TOTAL				427.15 X
	Add GST on "X" (multiplying factor 0.1405)				60.01
	TOTAL				487.16 Y
	Add 15% CPOH on "Y"				73.07
	TOTAL				560.24 Z
	Add Cess @ 1% on "Z"				5.60
	Cost of 10 nos.				565.84
	Cost of 1 no				56.58
	Say				56.60

9.70.4 50x37x1.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	1.00	135.00	135.00
8214	Stainless steel screws 20 mm	100 Nos	0.40	125.00	50.00
9977	Carriage of materials	L.S.	0.91	2.00	1.82
	LABOUR				
0112	Carpenter 2nd class	day	0.08	679.00	54.32
	TOTAL				241.14 W
	Add 1 % Water charges on "W"				2.41
	TOTAL				243.55 X
	Add GST on "X" (multiplying factor 0.1405)				34.22
	TOTAL				277.77 Y
	Add 15% CPOH on "Y"				41.67
	TOTAL				319.44 Z
	Add Cess @ 1% on "Z"				3.19
	Cost of 10 nos.				322.63
	Cost of 1 no				32.26
	Say				32.25

9.71 Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :
9.71.1 125x64x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8219	Details of cost for 10 nos. MATERIAL Stainless steel butt hinges (heavy weight) 125x64x2.5 mm IS : 12817 marked	10 Nos	1.00	350.00	350.00
8210	Stainless steel screws 50 mm	100 Nos	0.80	270.00	216.00
9977	Carriage of materials LABOUR	L.S.	2.73	2.00	5.46
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				716.74 W
	Add 1 % Water charges on "W"				7.17
	TOTAL				723.91 X
	Add GST on "X" (multiplying factor 0.1405)				101.71
	TOTAL				825.62 Y
	Add 15% CPOH on "Y"				123.84
	TOTAL				949.46 Z
	Add Cess @ 1% on "Z"				9.49
	Cost of 10 nos.				958.95
	Cost of 1 no				95.90
	Say				95.90

9.71.2 100x60x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Details of cost for 10 nos. MATERIAL Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	1.00	255.00	255.00
8211	Stainless steel screws 40 mm	100 Nos	0.80	215.00	172.00
9977	Carriage of materials LABOUR	L.S.	2.73	2.00	5.46
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				577.74 W
	Add 1 % Water charges on "W"				5.78
	TOTAL				583.52 X
	Add GST on "X" (multiplying factor 0.1405)				81.98
	TOTAL				665.50 Y
	Add 15% CPOH on "Y"				99.83
	TOTAL				765.33 Z
	Add Cess @ 1% on "Z"				7.65
	Cost of 10 nos.				772.98
	Cost of 1 no				77.30
	Say				77.30

9.71.3 75x50x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8221	Details of cost for 10 nos. MATERIAL Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS : 12817 marked	10 Nos	1.00	205.00	205.00
8212	Stainless steel screws 30 mm	100 Nos	0.60	190.00	114.00
9977	Carriage of materials LABOUR	L.S.	1.82	2.00	3.64
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				467.92 W
	Add 1 % Water charges on "W"				4.68
	TOTAL				472.60 X
	Add GST on "X" (multiplying factor 0.1405)				66.40
	TOTAL				539.00 Y
	Add 15% CPOH on "Y"				80.85
	TOTAL				619.85 Z
	Add Cess @ 1% on "Z"				6.20
	Cost of 10 nos.				626.05
	Cost of 1 no				62.60
	Say				62.60

9.72 Providing and fixing bright finished brass butt hinges with necessary screws etc. complete :
9.72.1 125x85x5.5 mm (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0382	Details of cost for 10 nos. MATERIAL Brass butt hinges (heavy type) : 125x85x5.5 mm (0.70kg)	10 Nos	1.00	1309.00	1309.00
0449	Brass screws 50 mm	100 Nos	1.00	220.00	220.00
9977	Carriage of material LABOUR	L.S.	3.64	2.00	7.28
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.10	558.00	55.80
	TOTAL				1695.40 W
	Add 1 % Water charges on "W"				16.95
	TOTAL				1712.35 X
	Add GST on "X" (multiplying factor 0.1405)				240.59
	TOTAL				1952.94 Y
	Add 15% CPOH on "Y"				292.94
	TOTAL				2245.88 Z
	Add Cess @ 1% on "Z"				22.46
	Cost for 10 nos.				2268.34
	Cost of 1 no.				226.83
	Say				226.85

9.72.2 125x70x4 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0378	Brass butt hinges (light/ordinary type) : 125x70x4 mm	10 Nos	1.00	775.00	775.00
0449	Brass screws 50 mm	100 Nos	1.00	220.00	220.00
9977	Carriage of material LABOUR	L.S.	3.64	2.00	7.28
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.10	558.00	55.80
	TOTAL				1161.40 W
	Add 1 % Water charges on "W"				11.61
	TOTAL				1173.01 X
	Add GST on "X" (multiplying factor 0.1405)				164.81
	TOTAL				1337.82 Y
	Add 15% CPOH on "Y"				200.67
	TOTAL				1538.50 Z
	Add Cess @ 1% on "Z"				15.38
	Cost for 10 nos.				1553.88
	Cost of 1 no.				155.39
	Say				155.40

9.72.3 100x85x5.5 mm (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0383	Brass butt hinges (heavy type) : 100x85x5.5 mm (0.56 kg)	10 Nos	1.00	997.00	997.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of material LABOUR	L.S.	2.73	2.00	5.46
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.10	558.00	55.80
	TOTAL				1297.58 W
	Add 1 % Water charges on "W"				12.98
	TOTAL				1310.56 X
	Add GST on "X" (multiplying factor 0.1405)				184.13
	TOTAL				1494.69 Y
	Add 15% CPOH on "Y"				224.20
	TOTAL				1718.89 Z
	Add Cess @ 1% on "Z"				17.19
	Cost for 10 nos.				1736.08
	Cost of 1 no.				173.61
	Say				173.60

9.72.4 100x70x4 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0379	Brass butt hinges (light/ordinary type) : 100x70x4 mm	10 Nos	1.00	625.00	625.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of material	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.10	558.00	55.80
	TOTAL				925.58 W
	Add 1 % Water charges on "W"				9.26
	TOTAL				934.84 X
	Add GST on "X" (multiplying factor 0.1405)				131.34
	TOTAL				1066.18 Y
	Add 15% CPOH on "Y"				159.93
	TOTAL				1226.11 Z
	Add Cess @ 1% on "Z"				12.26
	Cost for 10 nos.				1238.37
	Cost of 1 no.				123.84
	Say				123.85

9.72.5 75x65x4 mm (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0384	Brass butt hinges (heavy type) : 75x65x4.0 mm(0.20 kg)	10 Nos	1.00	838.00	838.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of material	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.10	558.00	55.80
	TOTAL				1086.58 W
	Add 1 % Water charges on "W"				10.87
	TOTAL				1097.45 X
	Add GST on "X" (multiplying factor 0.1405)				154.19
	TOTAL				1251.64 Y
	Add 15% CPOH on "Y"				187.75
	TOTAL				1439.38 Z
	Add Cess @ 1% on "Z"				14.39
	Cost for 10 nos.				1453.78
	Cost of 1 no.				145.38
	Say				145.40

9.72.6 75x40x2.5 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0380	Brass butt hinges (light/ordinary type) : 75x40x2.5 mm	10 Nos	1.00	380.00	380.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of material	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.10	558.00	55.80
	TOTAL				628.58 W
	Add 1 % Water charges on "W"				6.29
	TOTAL				634.87 X
	Add GST on "X" (multiplying factor 0.1405)				89.20
	TOTAL				724.06 Y
	Add 15% CPOH on "Y"				108.61
	TOTAL				832.67 Z
	Add Cess @ 1% on "Z"				8.33
	Cost for 10 nos.				841.00
	Cost of 1 no.				84.10
	Say				84.10

9.72.7 50x40x2.5 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0381	Brass butt hinges (light/ordinary type) : 50x40x2.5 mm	10 Nos	1.00	155.00	155.00
0453	Brass screws 20 mm	100 Nos	0.40	95.00	38.00
9977	Carriage of material	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.08	738.00	59.04
	TOTAL				255.68 W
	Add 1 % Water charges on "W"				2.56
	TOTAL				258.24 X
	Add GST on "X" (multiplying factor 0.1405)				36.28
	TOTAL				294.52 Y
	Add 15% CPOH on "Y"				44.18
	TOTAL				338.70 Z
	Add Cess @ 1% on "Z"				3.39
	Cost for 10 nos.				342.08
	Cost of 1 no.				34.21
	Say				34.20

9.73 Providing and fixing bright finished brass parliamentary hinges with necessary screws etc. complete :
9.73.1 150x125x27x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0385	Brass parliamentary hinges 150x125x27x5 mm	10 Nos	1.00	2610.00	2610.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				2932.90 W
	Add 1 % Water charges on "W"				29.33
	TOTAL				2962.23 X
	Add GST on "X" (multiplying factor 0.1405)				416.19
	TOTAL				3378.42 Y
	Add 15% CPOH on "Y"				506.76
	TOTAL				3885.19 Z
	Add Cess @ 1% on "Z"				38.85
	Cost of 10 nos.				3924.04
	Cost of 1 no				392.40
	Say				392.40

9.73.2 125x125x27x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0386	Brass parliamentary hinges 125x125x27x5 mm	10 Nos	1.00	2300.00	2300.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				2622.90 W
	Add 1 % Water charges on "W"				26.23
	TOTAL				2649.13 X
	Add GST on "X" (multiplying factor 0.1405)				372.20
	TOTAL				3021.33 Y
	Add 15% CPOH on "Y"				453.20
	TOTAL				3474.53 Z
	Add Cess @ 1% on "Z"				34.75
	Cost of 10 nos.				3509.28
	Cost of 1 no				350.93
	Say				350.95

9.73.3 100x125x27x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0387	Brass parliamentary hinges 100x125x27x5 mm	10 Nos	1.00	2090.00	2090.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of materials LABOUR	L.S.	2.73	2.00	5.46
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				2412.90 W
	Add 1 % Water charges on "W"				24.13
	TOTAL				2437.03 X
	Add GST on "X" (multiplying factor 0.1405)				342.40
	TOTAL				2779.43 Y
	Add 15% CPOH on "Y"				416.91
	TOTAL				3196.35 Z
	Add Cess @ 1% on "Z"				31.96
	Cost of 10 nos.				3228.31
	Cost of 1 no				322.83
	Say				322.85

9.73.4 75x100x20x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0388	Brass parliamentary hinges 75x100x20x3.2 mm	10 Nos	1.00	1870.00	1870.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of materials LABOUR	L.S.	2.73	2.00	5.46
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				2140.90 W
	Add 1 % Water charges on "W"				21.41
	TOTAL				2162.31 X
	Add GST on "X" (multiplying factor 0.1405)				303.80
	TOTAL				2466.11 Y
	Add 15% CPOH on "Y"				369.92
	TOTAL				2836.03 Z
	Add Cess @ 1% on "Z"				28.36
	Cost of 10 nos.				2864.39
	Cost of 1 no				286.44
	Say				286.45

9.74 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :
9.74.1 250x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0400	Brass tower bolt (barrel type) 250x10 mm	each	10.00	257.00	2570.00
0451	Brass screws 30 mm	100 Nos	1.00	140.00	140.00
9977	Carriage of materials	L.S.	4.55	2.00	9.10
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				2792.90 W
	Add 1 % Water charges on "W"				27.93
	TOTAL				2820.83 X
	Add GST on "X" (multiplying factor 0.1405)				396.33
	TOTAL				3217.16 Y
	Add 15% CPOH on "Y"				482.57
	TOTAL				3699.73 Z
	Add Cess @ 1% on "Z"				37.00
	Cost of 10 nos.				3736.73
	Cost of 1 no				373.67
	Say				373.65

9.74.2 200x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0401	Brass tower bolt (barrel type) 200x10 mm	each	10.00	205.00	2050.00
0451	Brass screws 30 mm	100 Nos	0.80	140.00	112.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				2241.26 W
	Add 1 % Water charges on "W"				22.41
	TOTAL				2263.67 X
	Add GST on "X" (multiplying factor 0.1405)				318.05
	TOTAL				2581.72 Y
	Add 15% CPOH on "Y"				387.26
	TOTAL				2968.98 Z
	Add Cess @ 1% on "Z"				29.69
	Cost of 10 nos.				2998.67
	Cost of 1 no				299.87
	Say				299.85

9.74.3 150x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0402	Brass tower bolt (barrel type) 150x10 mm	each	10.00	154.00	1540.00
0451	Brass screws 30 mm	100 Nos	0.80	140.00	112.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				1731.26 W
	Add 1 % Water charges on "W"				17.31
	TOTAL				1748.57 X
	Add GST on "X" (multiplying factor 0.1405)				245.67
	TOTAL				1994.25 Y
	Add 15% CPOH on "Y"				299.14
	TOTAL				2293.38 Z
	Add Cess @ 1% on "Z"				22.93
	Cost of 10 nos.				2316.32
	Cost of 1 no				231.63
	Say				231.65

9.74.4 100x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0403	Brass tower bolt (barrel type) 100x10 mm	each	10.00	103.00	1030.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				1193.26 W
	Add 1 % Water charges on "W"				11.93
	TOTAL				1205.19 X
	Add GST on "X" (multiplying factor 0.1405)				169.33
	TOTAL				1374.52 Y
	Add 15% CPOH on "Y"				206.18
	TOTAL				1580.70 Z
	Add Cess @ 1% on "Z"				15.81
	Cost of 10 nos.				1596.51
	Cost of 1 no				159.65
	Say				159.65

9.75 Providing and fixing bright finished brass door latch with necessary screws etc. complete :
9.75.1 300x16x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0411	Brass door latch 300x16x5 mm (0.380 kg)	each	10.00	185.00	1850.00
0452	Brass screws 25 mm	100 Nos	0.90	100.00	90.00
9977	Carriage of materials	L.S.	3.64	2.00	7.28
	LABOUR				
0111	Carpenter 1st class	day	0.12	738.00	88.56
	TOTAL				2035.84 W
	Add 1 % Water charges on "W"				20.36
	TOTAL				2056.20 X
	Add GST on "X" (multiplying factor 0.1405)				288.90
	TOTAL				2345.09 Y
	Add 15% CPOH on "Y"				351.76
	TOTAL				2696.86 Z
	Add Cess @ 1% on "Z"				26.97
	Cost of 10 nos.				2723.83
	Cost of 1 no.				272.38
	Say				272.40

9.75.2 250x16x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0412	Brass door latch 250x16x5 mm (0.350 kg)	each	10.00	175.00	1750.00
0452	Brass screws 25 mm	100 Nos	0.90	100.00	90.00
9977	Carriage of materials	L.S.	3.64	2.00	7.28
	LABOUR				
0111	Carpenter 1st class	day	0.12	738.00	88.56
	TOTAL				1935.84 W
	Add 1 % Water charges on "W"				19.36
	TOTAL				1955.20 X
	Add GST on "X" (multiplying factor 0.1405)				274.71
	TOTAL				2229.90 Y
	Add 15% CPOH on "Y"				334.49
	TOTAL				2564.39 Z
	Add Cess @ 1% on "Z"				25.64
	Cost of 10 nos.				2590.03
	Cost of 1 no.				259.00
	Say				259.00

9.76 Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0413	Details of cost for one No MATERIAL Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	1.00	400.00	400.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.00	7.28
	TOTAL				532.74 W
	Add 1 % Water charges on "W"				5.33
	TOTAL				538.07 X
	Add GST on "X" (multiplying factor 0.1405)				75.60
	TOTAL				613.67 Y
	Add 15% CPOH on "Y"				92.05
	TOTAL				705.72 Z
	Add Cess @ 1% on "Z"				7.06
	Cost of 1 no				712.77
	Say				712.75

9.77 Providing and fixing bright finished brass 100 mm mortice latch with one dead bolt and a pair of lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0414	Details of cost for one No MATERIAL Brass mortice latch 100x65mm with a pair of brass lever handles	each	1.00	310.00	310.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.00	7.28
	TOTAL				442.74 W
	Add 1 % Water charges on "W"				4.43
	TOTAL				447.17 X
	Add GST on "X" (multiplying factor 0.1405)				62.83
	TOTAL				509.99 Y
	Add 15% CPOH on "Y"				76.50
	TOTAL				586.49 Z
	Add Cess @ 1% on "Z"				5.86
	Cost of 1 no				592.36
	Say				592.35

9.78 Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0438	Details of cost for one No MATERIAL Brass Night latch	each	1.00	610.00	610.00
0111	LABOUR Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.00	7.28
	TOTAL				742.74 W
	Add 1 % Water charges on "W"				7.43
	TOTAL				750.17 X
	Add GST on "X" (multiplying factor 0.1405)				105.40
	TOTAL				855.57 Y
	Add 15% CPOH on "Y"				128.33
	TOTAL				983.90 Z
	Add Cess @ 1% on "Z"				9.84
	Cost of 1 no				993.74
	Say				993.75

9.79 Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.

9.79.1 40 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2451	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 40 mm size	each	1.00	55.00	55.00
0111	LABOUR Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries & screws	L.S.	3.64	2.00	7.28
	TOTAL				187.74 W
	Add 1 % Water charges on "W"				1.88
	TOTAL				189.62 X
	Add GST on "X" (multiplying factor 0.1405)				26.64
	TOTAL				216.26 Y
	Add 15% CPOH on "Y"				32.44
	TOTAL				248.70 Z
	Add Cess @ 1% on "Z"				2.49
	Cost of 1 no				251.18
	Say				251.20

9.79.2 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2452	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 50 mm size	each	1.00	85.00	85.00
0111	LABOUR Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries & screws	L.S.	3.64	2.00	7.28
	TOTAL				217.74 W
	Add 1 % Water charges on "W"				2.18
	TOTAL				219.92 X
	Add GST on "X" (multiplying factor 0.1405)				30.90
	TOTAL				250.82 Y
	Add 15% CPOH on "Y"				37.62
	TOTAL				288.44 Z
	Add Cess @ 1% on "Z"				2.88
	Cost of 1 no				291.32
	Say				291.30

9.79.3 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2453	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 65 mm size	each	1.00	90.00	90.00
0111	LABOUR Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries & screws	L.S.	3.64	2.00	7.28
	TOTAL				222.74 W
	Add 1 % Water charges on "W"				2.23
	TOTAL				224.97 X
	Add GST on "X" (multiplying factor 0.1405)				31.61
	TOTAL				256.58 Y
	Add 15% CPOH on "Y"				38.49
	TOTAL				295.06 Z
	Add Cess @ 1% on "Z"				2.95
	Cost of 1 no				298.01
	Say				298.00

9.79.4 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2454	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 75 mm size	each	1.00	105.00	105.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
	Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries & screws	L.S.	3.64	2.00	7.28
	TOTAL				237.74 W
	Add 1 % Water charges on "W"				2.38
	TOTAL				240.12 X
	Add GST on "X" (multiplying factor 0.1405)				33.74
	TOTAL				273.85 Y
	Add 15% CPOH on "Y"				41.08
	TOTAL				314.93 Z
	Add Cess @ 1% on "Z"				3.15
	Cost of 1 no				318.08
	Say				318.10

9.80 Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0447	Brass cupboard knob or ward robe knob 50 mm	each	10.00	36.00	360.00
9977	Carriage of material	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.14	738.00	103.32
	TOTAL				468.78 W
	Add 1 % Water charges on "W"				4.69
	TOTAL				473.47 X
	Add GST on "X" (multiplying factor 0.1405)				66.52
	TOTAL				539.99 Y
	Add 15% CPOH on "Y"				81.00
	TOTAL				620.99 Z
	Add Cess @ 1% on "Z"				6.21
	Cost of 10 nos				627.20
	Cost of 1 no				62.72
	Say				62.70

9.81 Providing and fixing bright finished brass handles with screws etc. complete:
9.81.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0408	Brass handles 125 mm with plate 175x32 mm	each	10.00	144.00	1440.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.06	738.00	44.28 1529.74 W 15.30 1545.04 X 217.08 1762.12 Y 264.32 2026.43 Z 20.26 2046.70 204.67 204.65

9.81.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0409	Details of cost for 10 nos. MATERIAL Brass handles 100 mm with plate 150x32 mm	each	10.00	133.00	1330.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	2.00	1.82
0111	LABOUR Carpenter 1st class TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 10 nos Cost of 1 no Say	day	0.06	738.00	44.28 1416.10 W 14.16 1430.26 X 200.95 1631.21 Y 244.68 1875.89 Z 18.76 1894.65 189.47 189.45

9.81.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0410	Details of cost for 10 nos. MATERIAL Brass handles 75 mm with plate 125x32 mm	each	10.00	103.00	1030.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	2.00	1.82

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class	day	0.06	738.00	44.28
	TOTAL				1116.10 W
	Add 1 % Water charges on "W"				11.16
	TOTAL				1127.26 X
	Add GST on "X" (multiplying factor 0.1405)				158.38
	TOTAL				1285.64 Y
	Add 15% CPOH on "Y"				192.85
	TOTAL				1478.49 Z
	Add Cess @ 1% on "Z"				14.78
	Cost of 10 nos				1493.27
	Cost of 1 no				149.33
	Say				149.35

9.82 Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 hanging floor door stopper				
2455	MATERIAL Brass hanging type door stopper 150 mm	each	10.00	75.00	750.00
0452	Brass screws 25 mm	100 Nos	0.20	100.00	20.00
9977	Carriage of material	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.03	738.00	22.14
	TOTAL				797.60 W
	Add 1 % Water charges on "W"				7.98
	TOTAL				805.58 X
	Add GST on "X" (multiplying factor 0.1405)				113.18
	TOTAL				918.76 Y
	Add 15% CPOH on "Y"				137.81
	TOTAL				1056.57 Z
	Add Cess @ 1% on "Z"				10.57
	Cost of 10 nos				1067.14
	Cost of 1 no				106.71
	Say				106.70

9.83 Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2456	Details of cost for 10 nos. MATERIAL Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete	each	10.00	673.00	6730.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of material	L.S.	3.64	2.00	7.28
	LABOUR				
0112	Carpenter 2nd class	day	1.00	679.00	679.00
	TOTAL				7500.28 W
	Add 1 % Water charges on "W"				75.00
	TOTAL				7575.28 X
	Add GST on "X" (multiplying factor 0.1405)				1064.33
	TOTAL				8639.61 Y
	Add 15% CPOH on "Y"				1295.94
	TOTAL				9935.55 Z
	Add Cess @ 1% on "Z"				99.36
	Cost of 10 nos				10034.91
	Cost of 1 no				1003.49
	Say				1003.50

9.84 Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7060	Details of cost for 10 nos. MATERIAL Hydraulic door closer tubular type Aluminium section body	each	10.00	560.00	5600.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of material	L.S.	1.04	2.00	2.08
	LABOUR				
0112	Carpenter 2nd class	day	1.00	679.00	679.00
	TOTAL				6365.08 W
	Add 1 % Water charges on "W"				63.65
	TOTAL				6428.73 X
	Add GST on "X" (multiplying factor 0.1405)				903.24
	TOTAL				7331.97 Y
	Add 15% CPOH on "Y"				1099.80
	TOTAL				8431.76 Z
	Add Cess @ 1% on "Z"				84.32
	Cost of 10 nos				8516.08
	Cost of 1 no				851.61
	Say				851.60

9.85 Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0423	Brass casement window fastener	Each	10.00	45.00	450.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	2.00	1.82
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				565.62 W
	Add 1 % Water charges on "W"				5.66
	TOTAL				571.28 X
	Add GST on "X" (multiplying factor 0.1405)				80.26
	TOTAL				651.54 Y
	Add 15% CPOH on "Y"				97.73
	TOTAL				749.27 Z
	Add Cess @ 1% on "Z"				7.49
	Cost of 10 nos				756.76
	Cost of 1 no				75.68
	Say				75.70

9.86 Providing and fixing bright finished brass casement stays (straight peg type) with necessary screws etc. complete :

9.86.1 300 mm weighing not less than 330 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	10.00	126.00	1260.00
0451	Brass screws 30 mm	100 Nos	0.40	140.00	56.00
9977	Carriage of material	L.S.	0.91	2.00	1.82
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				1391.62 W
	Add 1 % Water charges on "W"				13.92
	TOTAL				1405.54 X
	Add GST on "X" (multiplying factor 0.1405)				197.48
	TOTAL				1603.01 Y
	Add 15% CPOH on "Y"				240.45
	TOTAL				1843.47 Z
	Add Cess @ 1% on "Z"				18.43
	Cost of 10 nos				1861.90
	Cost of 1 no				186.19
	Say				186.20

9.86.2 250 mm weighing not less than 280 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0425	Details of cost for 10 nos. MATERIAL Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	10.00	100.00	1000.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material LABOUR	L.S.	0.91	2.00	1.82
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				1115.62 W
	Add 1 % Water charges on "W"				11.16
	TOTAL				1126.78 X
	Add GST on "X" (multiplying factor 0.1405)				158.31
	TOTAL				1285.09 Y
	Add 15% CPOH on "Y"				192.76
	TOTAL				1477.85 Z
	Add Cess @ 1% on "Z"				14.78
	Cost of 10 nos				1492.63
	Cost of 1 no				149.26
	Say				149.25

9.86.3 200 mm weighing not less than 240 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0426	Details of cost for 10 nos. MATERIAL Brass casement stays (straight peg type) 200 mmweighing not less than 0.24 kg	each	10.00	95.00	950.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material LABOUR	L.S.	0.91	2.00	1.82
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				1065.62 W
	Add 1 % Water charges on "W"				10.66
	TOTAL				1076.28 X
	Add GST on "X" (multiplying factor 0.1405)				151.22
	TOTAL				1227.49 Y
	Add 15% CPOH on "Y"				184.12
	TOTAL				1411.62 Z
	Add Cess @ 1% on "Z"				14.12
	Cost of 10 nos				1425.73
	Cost of 1 no				142.57
	Say				142.55

9.87 Providing and fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete :
9.87.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0431	Brass hasps and staples (safety type) 150 mm	10 Nos	1.00	740.00	740.00
0452	Brass screws 25 mm	100 Nos	0.80	100.00	80.00
9977	Carriage of material	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.08	738.00	59.04
	TOTAL				882.68 W
	Add 1 % Water charges on "W"				8.83
	TOTAL				891.51 X
	Add GST on "X" (multiplying factor 0.1405)				125.26
	TOTAL				1016.76 Y
	Add 15% CPOH on "Y"				152.51
	TOTAL				1169.28 Z
	Add Cess @ 1% on "Z"				11.69
	Cost of 10 nos				1180.97
	Cost of 1 no				118.10
	Say				118.10

9.87.2 115 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0432	Brass hasps and staples (safety type) 115 mm	10 Nos	1.00	670.00	670.00
0453	Brass screws 20 mm	100 Nos	0.70	95.00	66.50
9977	Carriage of material	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.08	738.00	59.04
	TOTAL				799.18 W
	Add 1 % Water charges on "W"				7.99
	TOTAL				807.17 X
	Add GST on "X" (multiplying factor 0.1405)				113.41
	TOTAL				920.58 Y
	Add 15% CPOH on "Y"				138.09
	TOTAL				1058.67 Z
	Add Cess @ 1% on "Z"				10.59
	Cost of 10 nos				1069.25
	Cost of 1 no				106.93
	Say				106.95

9.87.3 90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0433	Brass hasps and staples (safety type) 90 mm	10 Nos	1.00	575.00	575.00
0453	Brass screws 20 mm	100 Nos	0.70	95.00	66.50
9977	Carriage of material	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.08	738.00	59.04
	TOTAL				704.18 W
	Add 1 % Water charges on "W"				7.04
	TOTAL				711.22 X
	Add GST on "X" (multiplying factor 0.1405)				99.93
	TOTAL				811.15 Y
	Add 15% CPOH on "Y"				121.67
	TOTAL				932.82 Z
	Add Cess @ 1% on "Z"				9.33
	Cost of 10 nos				942.15
	Cost of 1 no				94.21
	Say				94.20

9.88 Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one No				
	MATERIAL				
0558	Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	1.00	470.00	470.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.00	7.28
	TOTAL				602.74 W
	Add 1 % Water charges on "W"				6.03
	TOTAL				608.77 X
	Add GST on "X" (multiplying factor 0.1405)				85.53
	TOTAL				694.30 Y
	Add 15% CPOH on "Y"				104.14
	TOTAL				798.44 Z
	Add Cess @ 1% on "Z"				7.98
	Cost of 1 no				806.43
	Say				806.45

9.89 Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0583	Details of cost for one No MATERIAL Chromium plated Brass Night latch	each	1.00	500.00	500.00
0111	LABOUR Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.00	7.28
	TOTAL				632.74 W
	Add 1 % Water charges on "W"				6.33
	TOTAL				639.07 X
	Add GST on "X" (multiplying factor 0.1405)				89.79
	TOTAL				728.86 Y
	Add 15% CPOH on "Y"				109.33
	TOTAL				838.18 Z
	Add Cess @ 1% on "Z"				8.38
	Cost of 1 no				846.57
	Say				846.55

9.90 Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.

9.90.1 Size 40 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2468	Details of cost for one No MATERIAL Nickled Chromium Brass cupboard lock 40 mm size	each	1.00	60.00	60.00
0111	LABOUR Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries & screws	L.S.	3.64	2.00	7.28
	TOTAL				192.74 W
	Add 1 % Water charges on "W"				1.93
	TOTAL				194.67 X
	Add GST on "X" (multiplying factor 0.1405)				27.35
	TOTAL				222.02 Y
	Add 15% CPOH on "Y"				33.30
	TOTAL				255.32 Z
	Add Cess @ 1% on "Z"				2.55
	Cost of 1 no				257.87
	Say				257.85

9.90.2 Size 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2469	Details of cost for one No MATERIAL Nickled Chromium Brass cupboard lock 50 mm size	each	1.00	70.00	70.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
	Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries & screws	L.S.	3.64	2.00	7.28
	TOTAL				202.74 W
	Add 1 % Water charges on "W"				2.03
	TOTAL				204.77 X
	Add GST on "X" (multiplying factor 0.1405)				28.77
	TOTAL				233.54 Y
	Add 15% CPOH on "Y"				35.03
	TOTAL				268.57 Z
	Add Cess @ 1% on "Z"				2.69
	Cost of 1 no				271.25
	Say				271.25

9.90.3 Size 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2470	Details of cost for one No MATERIAL				
	Nickled Chromium Brass cupboard lock 65 mm size	each	1.00	95.00	95.00
0111	LABOUR				
	Carpenter 1st class	day	0.17	738.00	125.46
9999	Sundries & screws	L.S.	3.64	2.00	7.28
	TOTAL				227.74 W
	Add 1 % Water charges on "W"				2.28
	TOTAL				230.02 X
	Add GST on "X" (multiplying factor 0.1405)				32.32
	TOTAL				262.33 Y
	Add 15% CPOH on "Y"				39.35
	TOTAL				301.69 Z
	Add Cess @ 1% on "Z"				3.02
	Cost of 1 no				304.70
	Say				304.70

9.90.4 Size 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2471	Details of cost for one MATERIAL				
	Nickled Chromium Brass cupboard lock 75 mm size	each	1.00	120.00	120.00
0111	LABOUR				
	Carpenter 1st class	day	0.17	738.00	125.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries & screws	L.S.	3.64	2.00	7.28
	TOTAL				252.74 W
	Add 1 % Water charges on "W"				2.53
	TOTAL				255.27 X
	Add GST on "X" (multiplying factor 0.1405)				35.87
	TOTAL				291.13 Y
	Add 15% CPOH on "Y"				43.67
	TOTAL				334.80 Z
	Add Cess @ 1% on "Z"				3.35
	Cost of 1 no				338.15
	Say				338.15

9.91 Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0584	Details of cost for 10 nos. MATERIAL Chromium plated Brass Wardrobe Knobe 50 mm	each	10.00	80.00	800.00
9977	Carriage of material	L.S.	2.73	2.00	5.46
0111	LABOUR Carpenter 1st class	day	0.14	738.00	103.32
	TOTAL				908.78 W
	Add 1 % Water charges on "W"				9.09
	TOTAL				917.87 X
	Add GST on "X" (multiplying factor 0.1405)				128.96
	TOTAL				1046.83 Y
	Add 15% CPOH on "Y"				157.02
	TOTAL				1203.85 Z
	Add Cess @ 1% on "Z"				12.04
	Cost of 10 nos				1215.89
	Cost of 1 no				121.59
	Say				121.60

9.92 Providing and fixing chromium plated brass handles with necessary screws etc. complete:

9.92.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0555	Details of cost for 10 nos. MATERIAL Chromium plated Brass handles 125 mm with plate 175 x32 mm	each	10.00	160.00	1600.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class	day	0.06	738.00	44.28
	TOTAL				1689.74 W
	Add 1 % Water charges on "W"				16.90
	TOTAL				1706.64 X
	Add GST on "X" (multiplying factor 0.1405)				239.78
	TOTAL				1946.42 Y
	Add 15% CPOH on "Y"				291.96
	TOTAL				2238.38 Z
	Add Cess @ 1% on "Z"				22.38
	Cost of 10 nos				2260.77
	Cost of 1 no				226.08
	Say				226.10

9.92.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0556	Chromium plated Brass handles 100 mm with plate 150 x 32 mm	each	10.00	140.00	1400.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	2.00	1.82
	LABOUR				
0111	Carpenter 1st class	day	0.06	738.00	44.28
	TOTAL				1486.10 W
	Add 1 % Water charges on "W"				14.86
	TOTAL				1500.96 X
	Add GST on "X" (multiplying factor 0.1405)				210.89
	TOTAL				1711.85 Y
	Add 15% CPOH on "Y"				256.78
	TOTAL				1968.62 Z
	Add Cess @ 1% on "Z"				19.69
	Cost of 10 nos				1988.31
	Cost of 1 no				198.83
	Say				198.85

9.92.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0557	Chromium plated Brass handles 75mm with plate 125x32 mm	each	10.00	125.00	1250.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	2.00	1.82

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
	Carpenter 1st class	day	0.06	738.00	44.28
	TOTAL				1336.10 W
	Add 1 % Water charges on "W"				13.36
	TOTAL				1349.46 X
	Add GST on "X" (multiplying factor 0.1405)				189.60
	TOTAL				1539.06 Y
	Add 15% CPOH on "Y"				230.86
	TOTAL				1769.92 Z
	Add Cess @ 1% on "Z"				17.70
	Cost of 10 nos				1787.62
	Cost of 1 no				178.76
	Say				178.75

9.93 Providing and fixing chromium plated brass casement window fastener with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0568	Details of cost for 10 nos. MATERIAL Chromium plated brass casement window fastner	each	10.00	90.00	900.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of material	L.S.	0.91	2.00	1.82
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				1047.62 W
	Add 1 % Water charges on "W"				10.48
	TOTAL				1058.10 X
	Add GST on "X" (multiplying factor 0.1405)				148.66
	TOTAL				1206.76 Y
	Add 15% CPOH on "Y"				181.01
	TOTAL				1387.77 Z
	Add Cess @ 1% on "Z"				13.88
	Cost of 10 nos				1401.65
	Cost of 1 no				140.17
	Say				140.15

9.94 Providing and fixing chromium plated brass casement stays (straight peg type) with necessary screws etc. complete :

9.94.1 300 mm weighing not less than 330 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0569	Details of cost for 10 nos. MATERIAL Chromium plated Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	10.00	140.00	1400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of material	L.S.	0.91	2.00	1.82
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				1547.62 W
	Add 1 % Water charges on "W"				15.48
	TOTAL				1563.10 X
	Add GST on "X" (multiplying factor 0.1405)				219.62
	TOTAL				1782.71 Y
	Add 15% CPOH on "Y"				267.41
	TOTAL				2050.12 Z
	Add Cess @ 1% on "Z"				20.50
	Cost of 10 nos				2070.62
	Cost of 1 no				207.06
	Say				207.05

9.94.2 250 mm weighing not less than 280 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0570	Chromium plated Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	10.00	120.00	1200.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of material	L.S.	0.91	2.00	1.82
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				1347.62 W
	Add 1 % Water charges on "W"				13.48
	TOTAL				1361.10 X
	Add GST on "X" (multiplying factor 0.1405)				191.23
	TOTAL				1552.33 Y
	Add 15% CPOH on "Y"				232.85
	TOTAL				1785.18 Z
	Add Cess @ 1% on "Z"				17.85
	Cost of 10 nos				1803.03
	Cost of 1 no				180.30
	Say				180.30

9.94.3 200 mm weighing not less than 240 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0571	Chromium plated Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	10.00	100.00	1000.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of material	L.S.	0.91	2.00	1.82
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				1147.62 W
	Add 1 % Water charges on "W"				11.48
	TOTAL				1159.10 X
	Add GST on "X" (multiplying factor 0.1405)				162.85
	TOTAL				1321.95 Y
	Add 15% CPOH on "Y"				198.29
	TOTAL				1520.24 Z
	Add Cess @ 1% on "Z"				15.20
	Cost of 10 nos				1535.44
	Cost of 1 no				153.54
	Say				153.55

9.95 Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:

9.95.1 125x75x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	1.00	560.00	560.00
0585	Chromium plated Brass screws 50 mm	100 Nos	1.00	300.00	300.00
9977	Carriage of materials	L.S.	3.64	2.00	7.28
	LABOUR				
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				1020.82 W
	Add 1 % Water charges on "W"				10.21
	TOTAL				1031.03 X
	Add GST on "X" (multiplying factor 0.1405)				144.86
	TOTAL				1175.89 Y
	Add 15% CPOH on "Y"				176.38
	TOTAL				1352.27 Z
	Add Cess @ 1% on "Z"				13.52
	Cost of 10 nos.				1365.79
	Cost of 1 no.				136.58
	Say				136.60

9.95.2 125x63x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0688	Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	1.00	393.00	393.00
0585	Chromium plated Brass screws 50 mm	100 Nos	1.00	300.00	300.00
9977	Carriage of materials LABOUR	L.S.	3.64	2.00	7.28
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				853.82 W
	Add 1 % Water charges on "W"				8.54
	TOTAL				862.36 X
	Add GST on "X" (multiplying factor 0.1405)				121.16
	TOTAL				983.52 Y
	Add 15% CPOH on "Y"				147.53
	TOTAL				1131.05 Z
	Add Cess @ 1% on "Z"				11.31
	Cost of 10 nos.				1142.36
	Cost of 1 no.				114.24
	Say				114.25

9.95.3 100x75x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	1.00	393.00	393.00
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	290.00	232.00
9977	Carriage of materials LABOUR	L.S.	2.73	2.00	5.46
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				784.00 W
	Add 1 % Water charges on "W"				7.84
	TOTAL				791.84 X
	Add GST on "X" (multiplying factor 0.1405)				111.25
	TOTAL				903.09 Y
	Add 15% CPOH on "Y"				135.46
	TOTAL				1038.56 Z
	Add Cess @ 1% on "Z"				10.39
	Cost of 10 nos.				1048.94
	Cost of 1 no.				104.89
	Say				104.90

9.95.4 100x63x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	1.00	324.00	324.00
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	290.00	232.00
9977	Carriage of materials LABOUR	L.S.	2.73	2.00	5.46
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				715.00 W
	Add 1 % Water charges on "W"				7.15
	TOTAL				722.15 X
	Add GST on "X" (multiplying factor 0.1405)				101.46
	TOTAL				823.61 Y
	Add 15% CPOH on "Y"				123.54
	TOTAL				947.15 Z
	Add Cess @ 1% on "Z"				9.47
	Cost of 10 nos.				956.63
	Cost of 1 no.				95.66
	Say				95.65

9.95.5 100x63x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	1.00	270.00	270.00
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	290.00	232.00
9977	Carriage of materials LABOUR	L.S.	2.73	2.00	5.46
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				661.00 W
	Add 1 % Water charges on "W"				6.61
	TOTAL				667.61 X
	Add GST on "X" (multiplying factor 0.1405)				93.80
	TOTAL				761.41 Y
	Add 15% CPOH on "Y"				114.21
	TOTAL				875.62 Z
	Add Cess @ 1% on "Z"				8.76
	Cost of 10 nos.				884.38
	Cost of 1 no.				88.44
	Say				88.45

9.95.6 75x63x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	1.00	275.00	275.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	240.00	144.00
9977	Carriage of materials LABOUR	L.S.	1.82	2.00	3.64
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				576.18 W
	Add 1 % Water charges on "W"				5.76
	TOTAL				581.94 X
	Add GST on "X" (multiplying factor 0.1405)				81.76
	TOTAL				663.70 Y
	Add 15% CPOH on "Y"				99.56
	TOTAL				763.26 Z
	Add Cess @ 1% on "Z"				7.63
	Cost of 10 nos.				770.89
	Cost of 1 no.				77.09
	Say				77.10

9.95.7 75x63x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	1.00	226.00	226.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	240.00	144.00
9977	Carriage of materials LABOUR	L.S.	1.82	2.00	3.64
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				527.18 W
	Add 1 % Water charges on "W"				5.27
	TOTAL				532.45 X
	Add GST on "X" (multiplying factor 0.1405)				74.81
	TOTAL				607.26 Y
	Add 15% CPOH on "Y"				91.09
	TOTAL				698.35 Z
	Add Cess @ 1% on "Z"				6.98
	Cost of 10 nos.				705.33
	Cost of 1 no.				70.53
	Say				70.55

9.95.8 75x45x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	1.00	196.00	196.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	240.00	144.00
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.14	738.00	103.32
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				497.18 W
	Add 1 % Water charges on "W"				4.97
	TOTAL				502.15 X
	Add GST on "X" (multiplying factor 0.1405)				70.55
	TOTAL				572.70 Y
	Add 15% CPOH on "Y"				85.91
	TOTAL				658.61 Z
	Add Cess @ 1% on "Z"				6.59
	Cost of 10 nos.				665.20
	Cost of 1 no.				66.52
	Say				66.50

9.96 Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :
9.96.1 300x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0696	Anodised Aluminium sliding door bolt 300x16 mm	each	10.00	147.00	1470.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of materials	L.S.	5.46	2.00	10.92
	LABOUR				
0111	Carpenter 1st class	day	0.50	738.00	369.00
	TOTAL				1921.92 W
	Add 1 % Water charges on "W"				19.22
	TOTAL				1941.14 X
	Add GST on "X" (multiplying factor 0.1405)				272.73
	TOTAL				2213.87 Y
	Add 15% CPOH on "Y"				332.08
	TOTAL				2545.95 Z
	Add Cess @ 1% on "Z"				25.46
	Cost of 10 nos				2571.41
	Cost of 1 no				257.14
	Say				257.15

9.96.2 250x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0697	Anodised Aluminium sliding door bolt 250x16 mm	each	10.00	128.00	1280.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of materials	L.S.	5.46	2.00	10.92
	LABOUR				
0111	Carpenter 1st class	day	0.50	738.00	369.00
	TOTAL				1731.92 W
	Add 1 % Water charges on "W"				17.32
	TOTAL				1749.24 X
	Add GST on "X" (multiplying factor 0.1405)				245.77
	TOTAL				1995.01 Y
	Add 15% CPOH on "Y"				299.25
	TOTAL				2294.26 Z
	Add Cess @ 1% on "Z"				22.94
	Cost of 10 nos				2317.20
	Cost of 1 no				231.72
	Say				231.70

9.97 Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :
9.97.1 300x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0698	Anodised Aluminium tower bolt (barrel type)300x10 mm	10 Nos	1.00	580.00	580.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	240.00	192.00
9977	Carriage of materials	L.S.	4.42	2.00	8.84
	LABOUR				
0111	Carpenter 1st class	day	0.125	738.00	92.25
	TOTAL				873.09 W
	Add 1 % Water charges on "W"				8.73
	TOTAL				881.82 X
	Add GST on "X" (multiplying factor 0.1405)				123.90
	TOTAL				1005.72 Y
	Add 15% CPOH on "Y"				150.86
	TOTAL				1156.57 Z
	Add Cess @ 1% on "Z"				11.57
	Cost of 10 nos				1168.14
	Cost of 1 no				116.81
	Say				116.80

9.97.2 250x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0699	Anodised Aluminium tower bolt (barrel type)250x10 mm	10 Nos	1.00	481.00	481.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	240.00	192.00
9977	Carriage of materials	L.S.	4.42	2.00	8.84
	LABOUR				
0111	Carpenter 1st class	day	0.125	738.00	92.25
	TOTAL				774.09 W
	Add 1 % Water charges on "W"				7.74
	TOTAL				781.83 X
	Add GST on "X" (multiplying factor 0.1405)				109.85
	TOTAL				891.68 Y
	Add 15% CPOH on "Y"				133.75
	TOTAL				1025.43 Z
	Add Cess @ 1% on "Z"				10.25
	Cost of 10 nos				1035.68
	Cost of 1 no				103.57
	Say				103.55

9.97.3 200x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0700	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 Nos	1.00	383.00	383.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	240.00	192.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.125	738.00	92.25
	TOTAL				672.71 W
	Add 1 % Water charges on "W"				6.73
	TOTAL				679.44 X
	Add GST on "X" (multiplying factor 0.1405)				95.46
	TOTAL				774.90 Y
	Add 15% CPOH on "Y"				116.23
	TOTAL				891.13 Z
	Add Cess @ 1% on "Z"				8.91
	Cost of 10 nos				900.04
	Cost of 1 no				90.00
	Say				90.00

9.97.4 150x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0701	Anodised Aluminium tower bolt (barrel type)150x10 mm	10 Nos	1.00	304.00	304.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	240.00	192.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.08	738.00	59.04
	TOTAL				560.50 W
	Add 1 % Water charges on "W"				5.61
	TOTAL				566.11 X
	Add GST on "X" (multiplying factor 0.1405)				79.54
	TOTAL				645.64 Y
	Add 15% CPOH on "Y"				96.85
	TOTAL				742.49 Z
	Add Cess @ 1% on "Z"				7.42
	Cost of 10 nos				749.91
	Cost of 1 no				74.99
	Say				75.00

9.97.5 100x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0702	Anodised Aluminium tower bolt (barrel type)100x10 mm	10 Nos	1.00	226.00	226.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	240.00	144.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.08	738.00	59.04
	TOTAL				434.50 W
	Add 1 % Water charges on "W"				4.35
	TOTAL				438.85 X
	Add GST on "X" (multiplying factor 0.1405)				61.66
	TOTAL				500.50 Y
	Add 15% CPOH on "Y"				75.08
	TOTAL				575.58 Z
	Add Cess @ 1% on "Z"				5.76
	Cost of 10 nos				581.33
	Cost of 1 no				58.13
	Say				58.15

- 9.98 Providing and fixing aluminium pull bolt lock, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2464	Details of cost for 10 pull bolt lock MATERIAL Anodised Aluminium pull bolt lock (locking bolt) of size 85 mmx42 mm with screws,bolts,nuts and washers complete	each	10.00	46.00	460.00
9977	Carriage of materials LABOUR	L.S.	6.37	2.00	12.74
0112	Carpenter 2nd class	day	0.25	679.00	169.75
	TOTAL				642.49 W
	Add 1 % Water charges on "W"				6.42
	TOTAL				648.91 X
	Add GST on "X" (multiplying factor 0.1405)				91.17
	TOTAL				740.09 Y
	Add 15% CPOH on "Y"				111.01
	TOTAL				851.10 Z
	Add Cess @ 1% on "Z"				8.51
	Cost of 10 nos				859.61
	Cost of 1 no				85.96
	Say				85.95

- 9.99 Providing and fixing 50 cm long aluminium kicking plate of size 100x3.15 mm, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0706	Details of cost for 10 nos. MATERIAL Anodised Aluminium kicking plate 50 cm long100x3.15 mm	each	10.00	142.00	1420.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of materials LABOUR	L.S.	5.46	2.00	10.92
0111	Carpenter 1st class	day	0.07	738.00	51.66
0114	Beldar	day	0.05	558.00	27.90
	TOTAL				1582.48 W
	Add 1 % Water charges on "W"				15.82
	TOTAL				1598.30 X
	Add GST on "X" (multiplying factor 0.1405)				224.56
	TOTAL				1822.87 Y
	Add 15% CPOH on "Y"				273.43
	TOTAL				2096.30 Z
	Add Cess @ 1% on "Z"				20.96
	Cost of 10 nos				2117.26
	Cost of 1 no				211.73
	Say				211.75

9.100 Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :

9.100.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0703	Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 Nos	1.00	324.00	324.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.06	738.00	44.28
	TOTAL				445.74 W
	Add 1 % Water charges on "W"				4.46
	TOTAL				450.20 X
	Add GST on "X" (multiplying factor 0.1405)				63.25
	TOTAL				513.45 Y
	Add 15% CPOH on "Y"				77.02
	TOTAL				590.47 Z
	Add Cess @ 1% on "Z"				5.90
	Cost of 10 nos				596.37
	Cost of 1 no				59.64
	Say				59.65

9.100.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0704	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10 Nos	1.00	275.00	275.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of materials	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.06	738.00	44.28
	TOTAL				394.92 W
	Add 1 % Water charges on "W"				3.95
	TOTAL				398.87 X
	Add GST on "X" (multiplying factor 0.1405)				56.04
	TOTAL				454.91 Y
	Add 15% CPOH on "Y"				68.24
	TOTAL				523.15 Z
	Add Cess @ 1% on "Z"				5.23
	Cost of 10 nos				528.38
	Cost of 1 no				52.84
	Say				52.85

9.100.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0705	Anodised Aluminium handles 75mm with plate 125 x 32 mm	10 Nos	1.00	231.00	231.00
0589	Chromium plated Brass screws 20 mm	100 Nos	0.40	160.00	64.00
9977	Carriage of materials LABOUR	L.S.	1.82	2.00	3.64
0111	Carpenter 1st class	day	0.06	738.00	44.28
	TOTAL				342.92 W
	Add 1 % Water charges on "W"				3.43
	TOTAL				346.35 X
	Add GST on "X" (multiplying factor 0.1405)				48.66
	TOTAL				395.01 Y
	Add 15% CPOH on "Y"				59.25
	TOTAL				454.26 Z
	Add Cess @ 1% on "Z"				4.54
	Cost of 10 nos				458.81
	Cost of 1 no				45.88
	Say				45.90

9.101 Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.

9.101.1 Single rubber stopper

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
2459	Anodised Aluminium hanging type door stopper	each	10.00	19.00	190.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.20	180.00	36.00
9977	Carriage of materials LABOUR	L.S.	2.73	2.00	5.46
0111	Carpenter 1st class	day	0.03	738.00	22.14
	TOTAL				253.60 W
	Add 1 % Water charges on "W"				2.54
	TOTAL				256.14 X
	Add GST on "X" (multiplying factor 0.1405)				35.99
	TOTAL				292.12 Y
	Add 15% CPOH on "Y"				43.82
	TOTAL				335.94 Z
	Add Cess @ 1% on "Z"				3.36
	Cost of 10 nos				339.30
	Cost of 1 no				33.93
	Say				33.95

9.101.2 Twin rubber stopper

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	10.00	40.00	400.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.20	180.00	36.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	0.03	738.00	22.14
	TOTAL				463.60 W
	Add 1 % Water charges on "W"				4.64
	TOTAL				468.24 X
	Add GST on "X" (multiplying factor 0.1405)				65.79
	TOTAL				534.02 Y
	Add 15% CPOH on "Y"				80.10
	TOTAL				614.13 Z
	Add Cess @ 1% on "Z"				6.14
	Cost of 10 nos				620.27
	Cost of 1 no				62.03
	Say				62.05

9.102 Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
2465	Anodised Aluminium Casement stay 250 mm	each	10.00	32.00	320.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	180.00	72.00
9977	Carriage of materials	L.S.	0.91	2.00	1.82
	LABOUR				
0111	Carpenter 1st class	day	0.10	738.00	73.80
	TOTAL				467.62 W
	Add 1 % Water charges on "W"				4.68
	TOTAL				472.30 X
	Add GST on "X" (multiplying factor 0.1405)				66.36
	TOTAL				538.65 Y
	Add 15% CPOH on "Y"				80.80
	TOTAL				619.45 Z
	Add Cess @ 1% on "Z"				6.19
	Cost of 10 nos				625.65
	Cost of 1 no				62.56
	Say				62.55

9.103 Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 lock				
7001	MATERIAL				
	Brass 100mm mortice latch and lock with 6 levers without pair of handles	each	1.00	210.00	210.00
7003	Pair of Anodised Aluminium lever handles for 100mm mortice latch and lock	each	1.00	215.00	215.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	738.00	125.46
9988	Sundries including carriage of materials	L.S.	4.55	2.00	9.10
	TOTAL				559.56 W
	Add 1 % Water charges on "W"				5.60
	TOTAL				565.16 X
	Add GST on "X" (multiplying factor 0.1405)				79.40
	TOTAL				644.56 Y
	Add 15% CPOH on "Y"				96.68
	TOTAL				741.24 Z
	Add Cess @ 1% on "Z"				7.41
	Cost of 1 lock				748.66
	Say				748.65

9.104 Providing and fixing aluminium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2m long				
7056	MATERIAL				
	Aluminium tee channel (heavy duty) with rollers and stop end	metre	2.00	100.00	200.00
9999	LABOUR	L.S.	2.73	2.00	5.46
9999	Sundries	L.S.	1.43	2.00	2.86
	TOTAL				208.32 W
	Add 1 % Water charges on "W"				2.08
	TOTAL				210.40 X
	Add GST on "X" (multiplying factor 0.1405)				29.56
	TOTAL				239.96 Y
	Add 15% CPOH on "Y"				35.99
	TOTAL				275.96 Z
	Add Cess @ 1% on "Z"				2.76
	Cost of 2 metre				278.72
	Cost of 1 metre				139.36
	Say				139.35

- 9.105 Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, Galvanised M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each with zinc coating of 120 gms/sqm(both side inclusive)) 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.**
- 9.105.1 75 mm overall thickness partition with 12.5 mm thick double skin fire rated Glass Reinforced Gypsum (GRG), plaster board conforming to IS: 2095: (part 3) 1996 (Board with BIS Certification marks)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7366	Details of cost for 6.00x3.65m = 21.90 sqm (Partition Panel) MATERIAL Glass reinforced Gypsum (GRG) plaster board 12.5 mm thick confirming to IS 2095 (Part 3): 1996 2x6.00x3.65=43.80sqm	sqm	43.80	240.00	10512.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 50mm floor and ceiling channel 2x6.00 =12m	metre	12.00	57.00	684.00
7369	Galvanised M.S. sheet 0.90 mm thick pressed stud. 48x34x36 mm 48mm stud-72x34x36x0.5mm (6.00/0.61)+1 = 11x3.65 = 40.15m	metre	40.15	71.00	2850.65
7020	All drive screws (for gypsum board) [(3.65/0.30)+1]x11x2 = 308 [(6.00/0.30)+1]x2x2=84 Total = 392	100 Nos	3.92	58.00	227.36
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt [(6.00/0.61)+1]x2=22	each	22.00	11.00	242.00
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	25.00	450.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	5.00	96.35

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	75.00	361.50
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	100.00	58.40
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	85.00	669.80
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots 11x2x2=44	10 Nos	4.40	38.00	167.20
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08
9977	Sundries carriage	L.S.	52.00	2.00	104.00
9999	Sundries scaffolding	L.S.	130.00	2.00	260.00
	Labour for 21.90 sqm.				
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	738.00	4848.66
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	679.00	1933.11
0131	Painter 0.05x21.90=1.095	day	1.095	679.00	743.51
0114	Beldar 0.35x21.90=7.665	day	7.665	558.00	4277.07
	TOTAL				28499.69 W
	Add 1 % Water charges on "W"				285.00
	TOTAL				28784.68 X
	Add GST on "X" (multiplying factor 0.1405)				4044.25
	TOTAL				32828.93 Y
	Add 15% CPOH on "Y"				4924.34
	TOTAL				37753.27 Z
	Add Cess @ 1% on "Z"				377.53
	Cost for 21.90 sqm				38130.81
	Cost for 1 sqm.				1741.13
	Say				1741.15

9.105.2 75mm overall thickness partition with 12.5 mm thick double skin tapered edged plain Gypsum plaster board conforming to IS: 2095: (part I) 2011 (Board with BIS Certification marks)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 6.00x3.65m = 21.90 sqm (Partition Panel) MATERIAL				
7009	12.5 mm thick tapered edge plain gypsum plaster board conforming to IS 2095 (Part I) : 2011.	sqm	43.80	155.00	6789.00
	2x6.00x3.65=43.80sqm				
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 50mm floor and ceiling channel 2x6.00 =12m	metre	12.00	57.00	684.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm	metre	40.15	71.00	2850.65
7020	48mm stud-72x34x36x0.5mm (6.00/0.61)+1 = 11x3.65 = 40.15m All drive screws (for gypsum board) [(3.65/0.30)+1]x11x2 = 308 [(6.00/0.30)+1]x2x2=84 Total = 392	100 Nos	3.92	58.00	227.36
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	22.00	11.00	242.00
7048	[(6.00/0.61)+1]x2=22 Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	25.00	450.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	5.00	96.35
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	75.00	361.50
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	100.00	58.40
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	85.00	669.80
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots 11x2x2=44	10 Nos	4.40	38.00	167.20
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08
9977	Sundries carriage	L.S.	52.00	2.00	104.00
9999	Sundries scaffolding Labour for 21.90 sqm.	L.S.	130.00	2.00	260.00
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	738.00	4848.66
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	679.00	1933.11
0131	Painter 0.05x21.90=1.095	day	1.095	679.00	743.51
0114	Beldar 0.35x21.90=7.665	day	7.665	558.00	4277.07
	TOTAL				24776.69 W
	Add 1 % Water charges on "W"				247.77
	TOTAL				25024.45 X
	Add GST on "X" (multiplying factor 0.1405)				3515.94
	TOTAL				28540.39 Y
	Add 15% CPOH on "Y"				4281.06
	TOTAL				32821.45 Z
	Add Cess @ 1% on "Z"				328.21
	Cost for 21.90 sqm				33149.66
	Cost for 1 sqm.				1513.68
	Say				1513.70

9.105.3 66mm overall thickness Partition with 8mm thick double skin Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq.cm, Bending Strength 100 kg./ sq.cm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 6.00x3.65 = 21.9 sqm (Partition Panel)				
8699	MATERIAL 8 mm thick tapered edge calcium silicate board . 2x6.00x3.65=43.80sqm	sqm	43.80	265.00	11607.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 50mm floor and ceiling channel 2x6.00 =12m	metre	12.00	57.00	684.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm 48mm stud-72x34x36x0.5mm (6.00/0.61)+1 = 11x3.65 = 40.15m	metre	40.15	71.00	2850.65
7020	All drive screws (for gypsum board) [(3.65/0.30)+1]x11x2 = 308 [(6.00/0.30)+1]x2x2=84 Total = 392	100 Nos	3.92	58.00	227.36
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt [(6.00/0.61)+1]x2=22	each	22.00	11.00	242.00
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	25.00	450.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	5.00	96.35
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	75.00	361.50
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	100.00	58.40
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	85.00	669.80
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots 11x2x2=44	10 Nos	4.40	38.00	167.20
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08
9977	Sundries carriage	L.S.	52.00	2.00	104.00
9999	Sundries scaffolding	L.S.	130.00	2.00	260.00
	Labour for 21.90 sqm.				
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	738.00	4848.66
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	679.00	1933.11
0131	Painter 0.05x21.90=1.095	day	1.095	679.00	743.51

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar 0.35x21.90=7.665 TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 21.90 sqm Cost for 1 sqm. Say	day	7.665	558.00	4277.07 29594.69 W 295.95 29890.63 X 4199.63 34090.27 Y 5113.54 39203.81 Z 392.04 39595.85 1808.03 1808.05

9.105.4 66mm overall thickness partition using 8mm thick double skin multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (High pressure steam cured) as per IS : 14862 with suitable fibre cement screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0237	Details of cost for 6.00x3.65 = 21.9 sqm (Partition Panel) MATERIAL Multi purpose fibre (high impact poly propylene reinforced) cement board 8mm thick. 2x6.00x3.65=43.80sqm	sqm	43.80	220.00	9636.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 50mm floor and ceiling channel 2x6.00 =12m	metre	12.00	57.00	684.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm 48mm stud-72x34x36x0.5mm (6.00/0.61)+1 = 11x3.65 = 40.15m	metre	40.15	71.00	2850.65
7020	All drive screws (for gypsum board) [(3.65/0.30)+1]x11x2 = 308 [(6.00/0.30)+1]x2x2=84 Total = 392	100 Nos	3.92	58.00	227.36
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt [(6.00/0.61)+1]x2=22	each	22.00	11.00	242.00
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	25.00	450.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	5.00	96.35
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	75.00	361.50
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	100.00	58.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	85.00	669.80
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots 11x2x2=44	10 Nos	4.40	38.00	167.20
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08
9977	Sundries carriage	L.S.	52.00	2.00	104.00
9999	Sundries scaffolding	L.S.	130.00	2.00	260.00
	Labour for 21.90 sqm.				
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	738.00	4848.66
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	679.00	1933.11
0131	Painter 0.05x21.90=1.095	day	1.095	679.00	743.51
0114	Beldar 0.35x21.90=7.665	day	7.665	558.00	4277.07
	TOTAL				27623.69 W
	Add 1 % Water charges on "W"				276.24
	TOTAL				27899.92 X
	Add GST on "X" (multiplying factor 0.1405)				3919.94
	TOTAL				31819.86 Y
	Add 15% CPOH on "Y"				4772.98
	TOTAL				36592.84 Z
	Add Cess @ 1% on "Z"				365.93
	Cost for 21.90 sqm				36958.77
	Cost for 1 sqm.				1687.62
	Say				1687.60

9.105.5 66 mm overall thickness partition using 8 mm thick double skin multipurpose cement bonded wood particle board manufactured as per IS: 14276 with suitable cement bonded board screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 21.90 sqm				
	MATERIAL:				
0243	Multipurpose cement bonded wood particle board 8 mm thick	sqm	43.80	215.00	9417.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 2x6.00 =12m	metre	12.00	57.00	684.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm (6.00/0.61)+1 = 11x3.65 = 40.15m	metre	40.15	71.00	2850.65
7020	All drive screws (for gypsum board) [(3.65/0.30)+1]x11x2 = 308 [(6.00/0.30)+1]x2x2=84 Total = 392	100 nos	3.92	58.00	227.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt [(6.00/0.61)+1]x2=22	each	22.00	11.00	242.00
7048	Rawl plug 50 mm (designation 10 nos) [(3.65/0.45)+1]x2= 18	each	18.00	25.00	450.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kg	19.27	5.00	96.35
0763	Glue (22/100)x21.90=4.82	kg	4.82	75.00	361.50
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 No	roll	0.584	100.00	58.40
7021	Primer (for gypsum board (36/100x21.90 = 7.88 litre	litre	7.88	85.00	669.80
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots 11x2x2=44 nos=4.40 tens	10 Nos	4.40	38.00	167.20
1211	G.I. plain washer for seam bolts =0 .44 hundreds	100 Nos	0.44	32.00	14.08
9999	Sundries carriage	L.S	52.00	2.00	104.00
9999	Sundries scaffolding	L.S	130.00	2.00	260.00
	Labour for 21.90 sqm.				
0111	Carpenter 1 st class 0.3x21.90	day	6.57	738.00	4848.66
0112	Carpenter 2nd class 0.13x21.90	day	2.847	679.00	1933.11
0131	Painter 0.05x21.90	day	1.095	679.00	743.51
0114	Beldar 0.35x21.90	day	7.665	558.00	4277.07
	TOTAL				27404.69 W
	Add 1 % Water charges on "W"				274.05
	TOTAL				27678.73 X
	Add GST on "X" (multiplying factor 0.1405)				3888.86
	TOTAL				31567.60 Y
	Add 15% CPOH on "Y"				4735.14
	TOTAL				36302.74 Z
	Add Cess @ 1% on "Z"				363.03
	Cost of 21.90 sqm				36665.76
	Cost of 1 sqm				1674.24
	Say				1674.25

9.106 Providing and fixing PTMT handles with necessary screws etc. complete.

9.106.1 125x34x24 mm weighing not less than 23 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7512	PTMT handle 125x34x24mm	each	10.00	24.00	240.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.40	36.00	14.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of materials	L.S.	2.73	2.00	5.46
0112	LABOUR				
	Carpenter 2nd class	day	0.06	679.00	40.74
	TOTAL				300.60 W
	Add 1 % Water charges on "W"				3.01
	TOTAL				303.61 X
	Add GST on "X" (multiplying factor 0.1405)				42.66
	TOTAL				346.26 Y
	Add 15% CPOH on "Y"				51.94
	TOTAL				398.20 Z
	Add Cess @ 1% on "Z"				3.98
	Cost of 10 Nos				402.18
	Cost of 1 No				40.22
	Say				40.20

9.106.2 150x34x24 mm weighing not less than 26 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7513	PTMT handle 150x34x24mm	each	10.00	24.00	240.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.40	36.00	14.40
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.06	679.00	40.74
	TOTAL				300.60 W
	Add 1 % Water charges on "W"				3.01
	TOTAL				303.61 X
	Add GST on "X" (multiplying factor 0.1405)				42.66
	TOTAL				346.26 Y
	Add 15% CPOH on "Y"				51.94
	TOTAL				398.20 Z
	Add Cess @ 1% on "Z"				3.98
	Cost of 10 Nos				402.18
	Cost of 1 No				40.22
	Say				40.20

9.107 Providing and fixing PTMT Butt hinges with necessary screws etc. complete.

9.107.1 75x60x10 mm fitted with 5.5 mm dia M.S. Bright Bar Rod weighing not less than 34 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7514	PTMT butt hinges 75x60x10mm	each	10.00	33.00	330.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	45.00	27.00
9977	Carriage of materials	L.S.	1.82	2.00	3.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR				
	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				505.92 W
	Add 1 % Water charges on "W"				5.06
	TOTAL				510.98 X
	Add GST on "X" (multiplying factor 0.1405)				71.79
	TOTAL				582.77 Y
	Add 15% CPOH on "Y"				87.42
	TOTAL				670.19 Z
	Add Cess @ 1% on "Z"				6.70
	Cost of 10 Nos				676.89
	Cost of 1 No				67.69
	Say				67.70

9.107.2 100x75x10 mm fitted with 5.5 mm dia MS Bright Bar Rod weighing not less than 53 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7515	PTMT butt hinges 100x75x10mm	each	10.00	43.00	430.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	60.00	48.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.09	558.00	50.22
	TOTAL				628.74 W
	Add 1 % Water charges on "W"				6.29
	TOTAL				635.03 X
	Add GST on "X" (multiplying factor 0.1405)				89.22
	TOTAL				724.25 Y
	Add 15% CPOH on "Y"				108.64
	TOTAL				832.89 Z
	Add Cess @ 1% on "Z"				8.33
	Cost of 10 Nos				841.21
	Cost of 1 No				84.12
	Say				84.10

9.108 Providing and fixing PTMT Tower Bolts with 12 mm one piece rod inside and necessary screws etc., complete.

9.108.1 152x42x18 mm weighing not less than 60 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7516	PTMT Tower bolt 152x42x18mm	each	10.00	48.00	480.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	45.00	27.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.08	679.00	54.32
	TOTAL				566.78 W
	Add 1 % Water charges on "W"				5.67
	TOTAL				572.45 X
	Add GST on "X" (multiplying factor 0.1405)				80.43
	TOTAL				652.88 Y
	Add 15% CPOH on "Y"				97.93
	TOTAL				750.81 Z
	Add Cess @ 1% on "Z"				7.51
	Cost of 10 Nos				758.32
	Cost of 1 No				75.83
	Say				75.85

9.108.2 202x42x18 mm weighing not less than 78 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7517	PTMT Tower bolt 202x42x18mm	each	10.00	67.00	670.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.80	45.00	36.00
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.10	679.00	67.90
	TOTAL				779.36 W
	Add 1 % Water charges on "W"				7.79
	TOTAL				787.15 X
	Add GST on "X" (multiplying factor 0.1405)				110.60
	TOTAL				897.75 Y
	Add 15% CPOH on "Y"				134.66
	TOTAL				1032.41 Z
	Add Cess @ 1% on "Z"				10.32
	Cost of 10 Nos				1042.74
	Cost of 1 No				104.27
	Say				104.25

9.109 Providing and fixing PTMT door catcher of length 72 mm and dia. of 42 mm with suitable washers weighing not less than 33 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten Nos.				
	MATERIAL				
7518	PTMT door catcher 72x42mm	each	10.00	24.00	240.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.20	36.00	7.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of materials	L.S.	2.73	2.00	5.46
0111	LABOUR				
	Carpenter 1st class	day	0.03	738.00	22.14
	TOTAL				274.80 W
	Add 1 % Water charges on "W"				2.75
	TOTAL				277.55 X
	Add GST on "X" (multiplying factor 0.1405)				39.00
	TOTAL				316.54 Y
	Add 15% CPOH on "Y"				47.48
	TOTAL				364.03 Z
	Add Cess @ 1% on "Z"				3.64
	Cost of 10 Nos				367.67
	Cost of 1 No				36.77
	Say				36.75

9.110 Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hollock wood in scantling of section 50X25 mm, fixed with nails and G.I wire on existing support complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a bamboo jaffery of size 1.00m x 2.10m = 2.10 sqm				
	MATERIAL				
	Bamboo 25mm of 100/ 2.50 = 40 nos				
	Half cut off = 40/2 =20 nos. x 2.10 = 42.00m				
	Add wastage @ 15% = 6.30 m				
	Total = 48.30m				
	Rate of Bamboo 25 mm dia 2.5 metre long				
	for one score i.e. 20nos is Rs. 192				
	for 48.30m qty 48.30 / (2.5 x 20) = 0.966				
0305	Bamboo 25 mm dia 2.5 metre long	score	0.966	400.00	386.40
9977	Carriage of Bamboo	L.S.	4.83	2.00	9.66
2466	Hollock wood in scantling 3 nos. (1.00 x 0.05 x 0.05) = 0.00375 cum	10 cudm	0.394	350.00	137.90
	Add wastage @ 5% = 0.00019 cum				
	Total = 0.00394 cum or 3.94 cudm				
2204	Carriage of Timber	cum	0.00394	118.59	0.47
9999	Nails and wire	L.S.	20.25	2.00	40.50
	LABOUR				
0112	Carpenter 2nd class	day	0.25	679.00	169.75
0114	Beldar	day	0.25	558.00	139.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	10.05	2.00	20.10
	TOTAL				904.28 W
	Add 1 % Water charges on "W"				9.04
	TOTAL				913.32 X
	Add GST on "X" (multiplying factor 0.1405)				128.32
	TOTAL				1041.64 Y
	Add 15% CPOH on "Y"				156.25
	TOTAL				1197.89 Z
	Add Cess @ 1% on "Z"				11.98
	Cost for 2.10 sqm				1209.87
	Cost for 1 sqm				576.13
	Say				576.15

9.111 Providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood.

9.111.1 50x50 mm (base and height)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading = 5.00 m				
	MATERIAL				
	Teak wood 2nd class in planks 500 x 5 x 5 mm / 2 = 0.000625 cum + Add wastage @ 10% = 0.00063. Total = 0.00688 cum say 6.88 cudm				
1190	Second class teak wood in planks	10 cudm	0.688	791.00	544.21
2204	Carriage of Timber	cum	0.00688	118.59	0.82
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.06	60.00	3.60
	Priming coat				
	Area 5.0 x (.05 +.05) = 0.50 sqm				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	0.50	57.05	28.53 A
	LABOUR				
	For planing, fixing & making design				
0111	Carpenter 1st class	day	0.75	738.00	365.25
	TOTAL				942.40 W
	Add 1 % Water charges on "W-A"				9.14
	TOTAL				951.54 X
	Add GST on "X-A" (multiplying factor 0.1405)				129.68
	TOTAL				1081.22 Y
	Add 15% CPOH on "Y-A"				157.90
	TOTAL				1239.13 Z
	Add Cess @ 1% on "Z-A"				12.11
	Cost for 5 metre				1251.23
	Cost for 1 metre				250.25
	Say				250.25

9.112 Providing and fixing 2nd class teak wood lipping/ moulded beading or taj beading of size 18X5 mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8719	Details of cost for 10.00 m MATERIAL 2nd class teak wood lipping/ moulded beading or Taj beading of size 18X5mm	metre	10.00	28.00	280.00
	LABOUR				
0112	Carpenter 2nd class	day	0.25	679.00	169.75
0114	Beldar	day	0.25	558.00	139.50
	TOTAL				589.25 W
	Add 1 % Water charges on "W"				5.89
	TOTAL				595.14 X
	Add GST on "X" (multiplying factor 0.1405)				83.62
	TOTAL				678.76 Y
	Add 15% CPOH on "Y"				101.81
	TOTAL				780.57 Z
	Add Cess @ 1% on "Z"				7.81
	Cost for 10 metre				788.38
	Cost for 1 metre				78.84
	Say				78.85

9.113 Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8716	Details of cost for 1 no. 100 mm mortice lock with 6 levers for aluminium door.	each	1.00	375.00	375.00
	LABOUR				
0111	Carpenter 1st class	day	0.13	738.00	95.94
9999	Sundries(screws, carriage etc)	L.S.	2.60	2.00	5.20
	TOTAL				476.14 W
	Add 1 % Water charges on "W"				4.76
	TOTAL				480.90 X
	Add GST on "X" (multiplying factor 0.1405)				67.57
	TOTAL				548.47 Y
	Add 15% CPOH on "Y"				82.27
	TOTAL				630.74 Z
	Add Cess @ 1% on "Z"				6.31
	Cost for 1 no				637.05
	Say				637.05

9.114 Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.

9.114.1 Triple strip vertical type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8714	Details of cost for 1 no. MATERIAL Magenatic catcher triple strip verticle type.	each	1.00	24.00	24.00
9999	Sundries including screws and fixing charges.	L.S.	2.60	2.00	5.20
	TOTAL				29.20 W
	Add 1 % Water charges on "W"				0.29
	TOTAL				29.49 X
	Add GST on "X" (multiplying factor 0.1405)				4.14
	TOTAL				33.64 Y
	Add 15% CPOH on "Y"				5.05
	TOTAL				38.68 Z
	Add Cess @ 1% on "Z"				0.39
	Cost for 1 No.				39.07
	Say				39.05

9.114.2 Double strip (horizontal type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8715	Details of cost for 1 no. MATERIAL Magenatic catcher double strip horizontal type.	each	1.00	18.00	18.00
9999	Sundries including screws and fixing charges.	L.S.	2.60	2.00	5.20
	TOTAL				23.20 W
	Add 1 % Water charges on "W"				0.23
	TOTAL				23.43 X
	Add GST on "X" (multiplying factor 0.1405)				3.29
	TOTAL				26.72 Y
	Add 15% CPOH on "Y"				4.01
	TOTAL				30.73 Z
	Add Cess @ 1% on "Z"				0.31
	Cost for 1 No.				31.04
	Say				31.05

9.115 Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8703	Details of cost for 10 sets. MATERIAL Telescopic drawer channels 300mm long .	set	10.00	230.00	2300.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	CARRIAGE	L.S.	19.50	2.00	39.00
9999	Sundries including screws and fixing charges.	L.S.	100.10	2.00	200.20
	TOTAL				2539.20 W
	Add 1 % Water charges on "W"				25.39
	TOTAL				2564.59 X
	Add GST on "X" (multiplying factor 0.1405)				360.33
	TOTAL				2924.92 Y
	Add 15% CPOH on "Y"				438.74
	TOTAL				3363.65 Z
	Add Cess @ 1% on "Z"				33.64
	Cost for 10 sets				3397.29
	Cost for 1 set				339.73
	Say				339.75

9.116 Providing and fixing sliding arrangement in racks/ cupboards/cabinets shutter by with stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E channel shall be made separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8704	Details of cost for 1 No. MATERIAL Stainless steel roller for sliding arrangement in racks/ cupboards/ cabinets shutter .	each	1.00	9.00	9.00
9999	Labour for fixing	L.S.	1.04	2.00	2.08
	TOTAL				11.08 W
	Add 1 % Water charges on "W"				0.11
	TOTAL				11.19 X
	Add GST on "X" (multiplying factor 0.1405)				1.57
	TOTAL				12.76 Y
	Add 15% CPOH on "Y"				1.91
	TOTAL				14.68 Z
	Add Cess @ 1% on "Z"				0.15
	Cost for 1 No.				14.82
	Say				14.80

9.117 Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1\text{mm}$), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer- in-charge

9.117.1 Extruded section profile size 48x40 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8010	Detail of cost for 5 metre MATERIAL 48mmX40mmX1.5mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	5.00	125.79	628.95
	LABOUR				
0156	Carpenter (average)	day	0.15	709.00	106.35
0114	Beldar	day	0.15	558.00	83.70
9999	Sundries	L.S.	4.68	2.00	9.36
	TOTAL				828.36 W
	Add 1 % Water charges on "W"				8.28
	TOTAL				836.64 X
	Add GST on "X" (multiplying factor 0.1405)				117.55
	TOTAL				954.19 Y
	Add 15% CPOH on "Y"				143.13
	TOTAL				1097.32 Z
	Add Cess @ 1% on "Z"				10.97
	Cost of 5 metre				1108.29
	Cost for 1 metre				221.66
	Say				221.65

9.117.2 Extruded section profile size 42x50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8705	Detail of cost for 5 metre MATERIAL 50mmX42mmX2mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	5.00	160.00	800.00
	LABOUR				
0156	Carpenter (average)	day	0.15	709.00	106.35
0114	Beldar	day	0.15	558.00	83.70
9999	Sundries	L.S.	4.68	2.00	9.36
	TOTAL				999.41 W
	Add 1 % Water charges on "W"				9.99
	TOTAL				1009.40 X
	Add GST on "X" (multiplying factor 0.1405)				141.82
	TOTAL				1151.23 Y
	Add 15% CPOH on "Y"				172.68
	TOTAL				1323.91 Z
	Add Cess @ 1% on "Z"				13.24
	Cost of 5 metre				1337.15
	Cost for 1 metre				267.43
	Say				267.45

9.118 Providing and fixing to existing door frames.

9.118.1 24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8001	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 24 mm thick Factory made shutters with frame, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	2.38	1085.93	2584.51
0156	LABOUR Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				3132.03 W
	Add 1 % Water charges on "W"				31.32
	TOTAL				3163.35 X
	Add GST on "X" (multiplying factor 0.1405)				444.45
	TOTAL				3607.80 Y
	Add 15% CPOH on "Y"				541.17
	TOTAL				4148.98 Z
	Add Cess @ 1% on "Z"				41.49
	Cost of 2.38 sqm				4190.47
	Cost of 1 sqm				1760.70
	Say				1760.70

9.118.2 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of

20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8002	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 30 mm thick Factory made shutters with frame, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	2.38	1248.82	2972.19
0156	LABOUR Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				3519.71 W
	Add 1 % Water charges on "W"				35.20
	TOTAL				3554.91 X
	Add GST on "X" (multiplying factor 0.1405)				499.46
	TOTAL				4054.37 Y
	Add 15% CPOH on "Y"				608.16
	TOTAL				4662.53 Z
	Add Cess @ 1% on "Z"				46.63
	Cost of 2.38 sqm				4709.15
	Cost of 1 sqm				1978.64
	Say				1978.65

9.118.3 25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8706	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 25mm thick factory made PVC flash foor shutter i/c carriage.	sqm	2.38	1700.00	4046.00
0156	LABOUR Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				4593.52 W
	Add 1 % Water charges on "W"				45.94
	TOTAL				4639.46 X
	Add GST on "X" (multiplying factor 0.1405)				651.84
	TOTAL				5291.30 Y
	Add 15% CPOH on "Y"				793.69
	TOTAL				6084.99 Z
	Add Cess @ 1% on "Z"				60.85
	Cost of 2.38 sqm				6145.84
	Cost of 1 sqm				2582.29
	Say				2582.30

9.119 Providing and fixing factory made P.V.C. door frame of size 50x47 mm with awall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer- in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8011	Details of cost for one door frame of 5 metre				
	MATERIAL				
	Factory made door frame PVC extruded sheet i/c carriage	metre	5.00	251.58	1257.90
	LABOUR				
0156	Carpenter (average)	day	0.15	709.00	106.35
0114	Beldar	day	0.15	558.00	83.70
9999	Sundries	L.S.	7.80	2.00	15.60
	TOTAL				1463.55 W
	Add 1 % Water charges on "W"				14.64
	TOTAL				1478.19 X
	Add GST on "X" (multiplying factor 0.1405)				207.69
	TOTAL				1685.87 Y
	Add 15% CPOH on "Y"				252.88
	TOTAL				1938.75 Z
	Add Cess @ 1% on "Z"				19.39
	Cost of 5 metres				1958.14
	Cost of 1 metre				391.63
	Say				391.65

9.120 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.

9.120.1 30 mm thick plain PVC door shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL				
8003	Factory made PVC rigid foam panelled shutter i/c carriage	sqm	2.38	1547.45	3682.93
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	123.00	49.20
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0156	Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				4310.85 W
	Add 1 % Water charges on "W"				43.11
	TOTAL				4353.96 X
	Add GST on "X" (multiplying factor 0.1405)				611.73
	TOTAL				4965.69 Y
	Add 15% CPOH on "Y"				744.85
	TOTAL				5710.54 Z
	Add Cess @ 1% on "Z"				57.11
	Cost of 2.38 sqm				5767.65
	Cost of 1 sqm				2423.38
	Say				2423.40

9.120.2 30 mm thick pre laminated PVC door shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL				
8004	Factory made PVC rigid foam panelled shutter as per IS : 4020 i/c carriage	sqm	2.38	1547.45	3682.93
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	123.00	49.20
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0156	Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				4310.85 W
	Add 1 % Water charges on "W"				43.11
	TOTAL				4353.96 X
	Add GST on "X" (multiplying factor 0.1405)				611.73
	TOTAL				4965.69 Y
	Add 15% CPOH on "Y"				744.85
	TOTAL				5710.54 Z
	Add Cess @ 1% on "Z"				57.11
	Cost of 2.38 sqm				5767.65
	Cost of 1 sqm				2423.38
	Say				2423.40

9.121 Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door frame of 5 metre MATERIAL				
8707	Factory made glass reinforced plastic door frame 90x45 mm i/c carriage.	metre	5.00	467.00	2335.00
	LABOUR				
0156	Carpenter (average)	day	0.15	709.00	106.35
0114	Beldar	day	0.15	558.00	83.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	7.80	2.00	15.60
	TOTAL				2540.65 W
	Add 1 % Water charges on "W"				25.41
	TOTAL				2566.06 X
	Add GST on "X" (multiplying factor 0.1405)				360.53
	TOTAL				2926.59 Y
	Add 15% CPOH on "Y"				438.99
	TOTAL				3365.58 Z
	Add Cess @ 1% on "Z"				33.66
	Cost of 5 metres				3399.23
	Cost of 1 metre				679.85
	Say				679.85

9.122 Providing and fixing to existing door frames.

9.122.1 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm				
	MATERIAL				
8708	30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage.	sqm	2.38	2326.00	5535.88
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	123.00	49.20
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0156	Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				6163.80 W
	Add 1 % Water charges on "W"				61.64
	TOTAL				6225.44 X
	Add GST on "X" (multiplying factor 0.1405)				874.67
	TOTAL				7100.11 Y
	Add 15% CPOH on "Y"				1065.02
	TOTAL				8165.13 Z
	Add Cess @ 1% on "Z"				81.65
	Cost of 2.38 sqm				8246.78
	Cost of 1 sqm				3465.03
	Say				3465.05

- 9.122.2 30 mm thick Fiberglass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF)/Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in-charge.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL				
8730	30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage.	sqm	2.38	2675.00	6366.50
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	123.00	49.20
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0156	Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				6994.42 W
	Add 1 % Water charges on "W"				69.94
	TOTAL				7064.36 X
	Add GST on "X" (multiplying factor 0.1405)				992.54
	TOTAL				8056.91 Y
	Add 15% CPOH on "Y"				1208.54
	TOTAL				9265.44 Z
	Add Cess @ 1% on "Z"				92.65
	Cost of 2.38 sqm				9358.10
	Cost of 1 sqm				3931.97
	Say				3931.95

- 9.123 Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification and direction of Engineer-in-charge.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door frame of 5 metre MATERIAL				
8710	Factory made solid PVC door frame 60 x 30mm i/c carriage.	metre	5.00	315.00	1575.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR				
	Carpenter (average)	day	0.15	709.00	106.35
0114	Beldar	day	0.15	558.00	83.70
9999	Sundries	L.S.	7.80	2.00	15.60
	TOTAL				1780.65 W
	Add 1 % Water charges on "W"				17.81
	TOTAL				1798.46 X
	Add GST on "X" (multiplying factor 0.1405)				252.68
	TOTAL				2051.14 Y
	Add 15% CPOH on "Y"				307.67
	TOTAL				2358.81 Z
	Add Cess @ 1% on "Z"				23.59
	Cost of 5 metres				2382.40
	Cost of 1 meter				476.48
	Say				476.50

9.124 Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mm x 1 mm, painted with primer, all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100mm x 8 mm complete as per manufacturer's specifications and direction of Engineer-in-charge.

9.124.1 Non decorative finish

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm				
	MATERIAL				
8712	30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish.	sqm	2.38	2000.00	4760.00
8100	Powder coated M.S. butt hinges				
	100mm X58mmX1.9mm	10 Nos	0.40	123.00	49.20
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0156	Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				5387.92 W
	Add 1 % Water charges on "W"				53.88
	TOTAL				5441.80 X
	Add GST on "X" (multiplying factor 0.1405)				764.57
	TOTAL				6206.37 Y
	Add 15% CPOH on "Y"				930.96
	TOTAL				7137.33 Z
	Add Cess @ 1% on "Z"				71.37
	Cost of 2.38 sqm				7208.70
	Cost of 1 sqm				3028.87
	Say				3028.85

9.124.2 Decorative finish (both side wood grained finish)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8709	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)	sqm	2.38	2100.00	4998.00
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	123.00	49.20
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0156	Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				5625.92 W
	Add 1 % Water charges on "W"				56.26
	TOTAL				5682.18 X
	Add GST on "X" (multiplying factor 0.1405)				798.35
	TOTAL				6480.53 Y
	Add 15% CPOH on "Y"				972.08
	TOTAL				7452.60 Z
	Add Cess @ 1% on "Z"				74.53
	Cost of 2.38 sqm				7527.13
	Cost of 1 sqm				3162.66
	Say				3162.65

9.125 Providing and fixing PVC rigid foam sheet 1 mm thick on existing door shutters (bathroom and W.C. doors) using synthetic rubber based adhesive.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8006	Details of cost for 1.0x0.3m = 0.3 sqm MATERIAL PVC rigid foam sheet 1mm thick = 0.30 sqm Add wastage @ 10% = 0.03 sqm Factory made PVC rigid foam sheet 1mm thick PVC rigid foam sheet 1mm thick = 0.30 sqm + Add wastage @ 10% = 0.03 sqm. Total = 0.33 sqm	sqm	0.33	155.80	51.41
9999	Rubber adhesive LABOUR	L.S.	21.84	2.00	43.68
0111	Carpenter 1st class	day	0.11	738.00	81.18
0114	Beldar	day	0.14	558.00	78.12
0130	Mistry	day	0.02	738.00	14.76
	TOTAL				269.15 W
	Add 1 % Water charges on "W"				2.69
	TOTAL				271.84 X
	Add GST on "X" (multiplying factor 0.1405)				38.19
	TOTAL				310.03 Y
	Add 15% CPOH on "Y"				46.50
	TOTAL				356.53 Z
	Add Cess @ 1% on "Z"				3.57
	Cost of 0.30 sqm				360.10
	Cost of 1 sqm				1200.33
	Say				1200.35

9.126 Providing and fixing 12 mm thick 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.

9.126.1 Marine plywood conforming to IS: 710

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8724	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm. MATERIAL Plywood 4x47.2x38.65cm = 0.73sqm+ Add for wastage @ 10% = 0.07sqm. Total = 0.80 sqm. 12mm thick marine plywood conforming to IS:710	sqm	0.80	695.00	556.00
9977	Carriage of Plywood	L.S.	1.82	2.00	3.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
	Carpenter 1st class	day	0.57	738.00	420.66
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				989.14 W
	Add 1 % Water charges on "W"				9.89
	TOTAL				999.03 X
	Add GST on "X" (multiplying factor 0.1405)				140.36
	TOTAL				1139.40 Y
	Add 15% CPOH on "Y"				170.91
	TOTAL				1310.30 Z
	Add Cess @ 1% on "Z"				13.10
	Cost of 0.66 sqm.				1323.41
	Cost of 1 sqm.				2005.16
	Say				2005.15

9.126.2 Fire retardant plywood conforming to IS: 5509

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm.				
	MATERIAL				
	Plywood 4x47.2x38.65cm = 0.73sqm+				
	Add for wastage @ 10% = 0.07sqm.				
	Total = 0.80 sqm.				
8725	12mm thick fire retardant plywood conforming to IS: 5509.	sqm	0.80	850.00	680.00
9977	Carriage of Plywood	L.S.	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.57	738.00	420.66
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				1113.14 W
	Add 1 % Water charges on "W"				11.13
	TOTAL				1124.27 X
	Add GST on "X" (multiplying factor 0.1405)				157.96
	TOTAL				1282.23 Y
	Add 15% CPOH on "Y"				192.33
	TOTAL				1474.57 Z
	Add Cess @ 1% on "Z"				14.75
	Cost of 0.66 sqm.				1489.31
	Cost of 1 sqm.				2256.53
	Say				2256.55

9.127 Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.

9.127.1 1.5 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5.00 sqm MATERIAL Decorative laminate = 5.00 sqm Add wastage @ 10% = 0.50 sqm Total = 5.50 sqm				
8726	1.5mm thick decorative laminated sheet	sqm	5.50	365.00	2007.50
9999	Adhesive	L.S.	195.00	2.00	390.00
	LABOUR				
0111	Carpenter 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries i/c nails etc.	L.S.	52.00	2.00	104.00
	TOTAL				3149.50 W
	Add 1 % Water charges on "W"				31.50
	TOTAL				3181.00 X
	Add GST on "X" (multiplying factor 0.1405)				446.93
	TOTAL				3627.92 Y
	Add 15% CPOH on "Y"				544.19
	TOTAL				4172.11 Z
	Add Cess @ 1% on "Z"				41.72
	Cost for 5.00 sqm				4213.83
	Cost for 1 sqm				842.77
	Say				842.75

9.127.2 1.0 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5.00 sqm MATERIAL Decorative laminate = 5.00 sqm Add wastage @ 10% = 0.50 sqm Total = 5.50 sqm				
8727	1.0mm thick decorative laminated sheet	sqm	5.50	280.00	1540.00
9999	Adhesive	L.S.	195.00	2.00	390.00
	LABOUR				
0111	Carpenter 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries i/c nails etc.	L.S.	52.00	2.00	104.00
	TOTAL				2682.00 W
	Add 1 % Water charges on "W"				26.82
	TOTAL				2708.82 X
	Add GST on "X" (multiplying factor 0.1405)				380.59
	TOTAL				3089.41 Y
	Add 15% CPOH on "Y"				463.41
	TOTAL				3552.82 Z
	Add Cess @ 1% on "Z"				35.53
	Cost for 5.00 sqm				3588.35
	Cost for 1 sqm				717.67
	Say				717.65

- 9.128 Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight (Only plan area of chajjas shall be measured for making payment).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8713	Detail of cost for a chajja 0.90 x 0.60 = 0.54 sqm MATERIAL Fiber glass reinforced plastic chajja. including accessories	sqm	0.54	3000.00	1620.00
9977	Carriage	L.S.	26.00	2.00	52.00
9999	fixing charges including sundries.	L.S.	143.00	2.00	286.00
	TOTAL				1958.00 W
	Add 1 % Water charges on "W"				19.58
	TOTAL				1977.58 X
	Add GST on "X" (multiplying factor 0.1405)				277.85
	TOTAL				2255.43 Y
	Add 15% CPOH on "Y"				338.31
	TOTAL				2593.74 Z
	Add Cess @ 1% on "Z"				25.94
	Cost for 0.54 sqm				2619.68
	Cost for 1 sqm				4851.26
	Say				4851.25

- 9.129 Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7272	Details of cost for one shutter 2.20x1.00m= 2.20sqm. MATERIAL 25 mm thick melamine faced prelam inated three layer particle board	sqm	2.20	900.00	1980.00
9977	CARRIAGE	L.S.	29.64	2.00	59.28
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	42.00	184.80
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	36.00	45.00
0111	LABOUR Carpenter 1st class	day	0.50	738.00	369.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.50	558.00	279.00
0130	Mistry	day	0.07	738.00	51.66
7271	IInd class teak wood lipping 25 mm wide x 12 mm thick	metre	7.00	29.00	203.00
	TOTAL				3171.74 W
	Add 1 % Water charges on "W"				31.72
	TOTAL				3203.46 X
	Add GST on "X" (multiplying factor 0.1405)				450.09
	TOTAL				3653.54 Y
	Add 15% CPOH on "Y"				548.03
	TOTAL				4201.57 Z
	Add Cess @ 1% on "Z"				42.02
	Cost for 2.20sqm.				4243.59
	Cost of 1 sqm				1928.90
	Say				1928.90

- 9.130 Providing and fixing cup board shutters with 25 mm thick veneered particle board IS : 3097 marked, exterior grade (Grade I), of approved make, including IInd class teak wood lipping of 25 mm wide x 12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of Engineer-in-Charge.**
- 9.130.1 With decorative veneering on one side and commercial veneering on other side**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one shutter 2.20x1.00m = 2.20sqm.				
	MATERIAL				
7269	25 mm thick particle board	sqm	2.20	460.00	1012.00
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side	sqm	2.20	230.00	506.00
9977	CARRIAGE	L.S.	29.64	2.00	59.28
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	42.00	184.80
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	36.00	45.00
	LABOUR				
0111	Carpenter 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
0130	Mistry	day	0.07	738.00	51.66
7271	IInd class teak wood lipping 25 mm wide x 12 mm thick	metre	7.00	29.00	203.00
	TOTAL				2709.74 W
	Add 1 % Water charges on "W"				27.10
	TOTAL				2736.84 X
	Add GST on "X" (multiplying factor 0.1405)				384.53
	TOTAL				3121.36 Y
	Add 15% CPOH on "Y"				468.20
	TOTAL				3589.57 Z
	Add Cess @ 1% on "Z"				35.90
	Cost for 2.20sqm.				3625.46
	Cost of 1 sqm				1647.94
	Say				1647.95

9.130.2 With non decorative veneering on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one shutter 2.20x1.00m= 2.20sqm. MATERIAL				
7269	25 mm thick particle board	sqm	2.20	460.00	1012.00
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	2.20	155.00	341.00
9977	CARRIAGE	L.S.	29.64	2.00	59.28
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	42.00	184.80
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	36.00	45.00
	LABOUR				
0111	Carpenter 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
0130	Mistry	day	0.07	738.00	51.66
7271	IIInd class teak wood lipping 25 mm wide x 12 mm thick	metre	7.00	29.00	203.00
	TOTAL				2544.74 W
	Add 1 % Water charges on "W"				25.45
	TOTAL				2570.19 X
	Add GST on "X" (multiplying factor 0.1405)				361.11
	TOTAL				2931.30 Y
	Add 15% CPOH on "Y"				439.69
	TOTAL				3370.99 Z
	Add Cess @ 1% on "Z"				33.71
	Cost for 2.20sqm.				3404.70
	Cost of 1 sqm				1547.59
	Say				1547.60

9.131 Providing and fixing factory made shutters of Pre-laminated particle board flat pressed three layer or graded wood particle board with one side decorative finish and other side balancing lamination conforming to IS: 12823 Grade I Type II, of approved design, and edges sealed with water resistant paint and lipped with aluminium 'U' type edge beading all- round the shutter, including fixing with angle cleat, grip strip, cadmium plated steel screws, including fixing of aluminium hinges 100x63x4 mm etc. complete as per architectural drawing and direction of Engineer-in-Charge (Cost of 'U' beading and hinges will be paid for separately).

9.131.1 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2.10sqm. (Door size 2.1x1.00 = 2.10sqm.) MATERIAL				
	Prelaminated particle board = 2.10sqm. + Add for wastage @ 5% = 0.11sqm. Total = 2.21sqm.				
7445	25 mm prelaminated flush door both side decorative	sqm	2.21	800.00	1768.00
7443	Aluminium single cleat of size 30x32x3	each	4.00	14.00	56.00
7444	Aluminium grip strip of size 50x12x2	each	8.00	11.00	88.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0834	Synthetic enamel paint in all shades except black or chocolate shade	litre	0.15	160.00	24.00
9988	Carriage of materials including loading and unloading	L.S.	19.50	2.00	39.00
9999	Sundries and screws etc.	L.S.	39.00	2.00	78.00
	LABOUR				
0112	Carpenter 2nd class	day	0.27	679.00	183.33
0114	Beldar	day	0.30	558.00	167.40
	TOTAL				2403.73 W
	Add 1 % Water charges on "W"				24.04
	TOTAL				2427.77 X
	Add GST on "X" (multiplying factor 0.1405)				341.10
	TOTAL				2768.87 Y
	Add 15% CPOH on "Y"				415.33
	TOTAL				3184.20 Z
	Add Cess @ 1% on "Z"				31.84
	Cost for 2.10sqm.				3216.04
	Cost of 1 sqm				1531.45
	Say				1531.45

9.132 Providing and fixing aluminum U beading of required size to Pre-laminated/flush door shutter, including fixing etc. complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1kg.				
	MATERIAL				
	Aluminum U beading = 1.00kg +				
	Add 10% wastage = 0.10				
	Total = 1.10kg.				
7449	Aluminium U beading	kilogram	1.10	210.00	231.00
9999	Anodized 15 micron	L.S.	65.00	2.00	130.00
9999	Sundries including screws, fixing, carriage etc.	L.S.	13.00	2.00	26.00
	TOTAL				387.00 W
	Add 1 % Water charges on "W"				3.87
	TOTAL				390.87 X
	Add GST on "X" (multiplying factor 0.1405)				54.92
	TOTAL				445.79 Y
	Add 15% CPOH on "Y"				66.87
	TOTAL				512.66 Z
	Add Cess @ 1% on "Z"				5.13
	Cost for 1 kg.				517.78
	Say				517.80

9.133 Providing and fixing, in position concealed G.I. section for wall paneling using board of required thickness fixed on the 'W' profile (0.55 mm thick) having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm, placed @ 610 mm C/C in perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm. Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @ 610 mm C/C with fully threaded self-tapping dry wall screws. Board is fixed to the 'W' profile with 25 mm countersunk ribbed head screws @ 200 mm C/C., all complete as per the drawing & directions of engineer-in-charge, the joints of the boards are finished with specially formulated jointing compound and 48mm wide jointing tape to provide seamless finish.

9.133.1 Tapered edge calcium silicate board made with calcareous & siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with compressive strength 225 kg/ sq.cm, Bending strength 100 kg/sq.cm.

9.133.1.1 10 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.66 m x 3.05 m = 11.16 sqm. MATERIAL Calcium silicate board 10mm thick = 11.16 sqm+ Add wastage @ 10% = 1.12 sqm. Total = 12.28 sqm				
8700	10 mm thick calcium silicate board.	sqm	12.28	420.00	5157.60
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm.	metre	19.66	35.00	688.10
8721	Perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm	metre	9.60	22.00	211.20
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	2.00	84.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	68.00	119.68
9999	Jointing compound	L.S.	20.80	2.00	41.60
7018	Joint tape roll	roll	0.19	100.00	19.00
9999	Sundries i/c rawl plug, scaffolding etc.	L.S.	52.00	2.00	104.00
9977	Carriage of materials	L.S.	26.00	2.00	52.00
	LABOUR				
0111	Carpenter 1st class	day	3.80	738.00	2804.40
0114	Beldar	day	4.60	558.00	2566.80
	TOTAL				11848.38 W
	Add 1 % Water charges on "W"				118.48
	TOTAL				11966.86 X
	Add GST on "X" (multiplying factor 0.1405)				1681.34
	TOTAL				13648.21 Y
	Add 15% CPOH on "Y"				2047.23
	TOTAL				15695.44 Z
	Add Cess @ 1% on "Z"				156.95
	Cost for 11.16 sqm				15852.39
	Cost for 1 sqm				1420.47
	Say				1420.45

9.133.2 Multipurpose cement board reinforced with suitable fibre cement screw.

9.133.2.1 8 mm thick cement fibre board as per IS : 14862

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.66 m x 3.05 m = 11.16 sqm. MATERIAL Multipurpose non asbestos fibre cement board 8mm thick.= 11.16 sqm+ Add wastage @ 10% = 1.12 sqm. Total = 12.28 sqm				
0237	Multi purpose fibre (high impact poly propylene reinforced) cement board 8mm thick.	sqm	12.28	220.00	2701.60
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm.	metre	19.66	35.00	688.10
8721	Perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm.	metre	9.60	22.00	211.20
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	2.00	84.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	68.00	119.68
9999	Jointing compound	L.S.	20.80	2.00	41.60
7018	Joint tape roll	roll	0.19	100.00	19.00
9999	Sundries i/c rawl plug, scaffolding etc.	L.S.	52.00	2.00	104.00
9977	Carriage of materials	L.S.	26.00	2.00	52.00
	LABOUR				
0111	Carpenter 1st class	day	3.80	738.00	2804.40
0114	Beldar	day	4.60	558.00	2566.80
	TOTAL				9392.38 W
	Add 1 % Water charges on "W"				93.92
	TOTAL				9486.30 X
	Add GST on "X" (multiplying factor 0.1405)				1332.83
	TOTAL				10819.13 Y
	Add 15% CPOH on "Y"				1622.87
	TOTAL				12442.00 Z
	Add Cess @ 1% on "Z"				124.42
	Cost for 11.16 sqm				12566.42
	Cost for 1 sqm				1126.02
	Say				1126.00

9.133.2.2 8 mm thick Cement bonded wood particle board as per IS:14276

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.66 m x 3.05 m = 11.16 sqm MATERIAL:				
0243	Multipurpose cement bonded wood particle board 8mm thick Add wastage @ 10% =1.12 sqm. Total = 12.28 sqm	Sqm	12.280	215.00	2640.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm	metre	19.660	35.00	688.10
8721	Perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm	metre	9.60	22.00	211.20
8722	Nylon sleeves & wooden screws (40 mm)	each	42.00	2.00	84.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	68.00	119.68
9999	Jointing compound	L.S	20.80	2.00	41.60
7018	Joint tape roll	each roll	0.19	100.00	19.00
9999	Sundries i/c rawl plug. Scaffolding etc.	L.S	52.00	2.00	104.00
9999	Carriage of materials	L.S	26.00	2.00	52.00
	LABOUR:				
0111	Carpenter 1 st class	day	3.80	738.00	2804.40
0114	Beldar	day	4.60	558.00	2566.80
	TOTAL				9330.98 W
	Add 1 % Water charges on "W"				93.31
	TOTAL				9424.29 X
	Add GST on "X" (multiplying factor 0.1405)				1324.11
	TOTAL				10748.40 Y
	Add 15% CPOH on "Y"				1612.26
	TOTAL				12360.66 Z
	Add Cess @ 1% on "Z"				123.61
	Cost of 11.16 sqm				12484.27
	Cost of 1 sqm				1118.66
	Say				1118.65

9.133.3 Plain Gypsum plaster board conforming to IS: 2095 (Part -1) : 2011 (Board with BIS certification marks).

9.133.3.1 12.5 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.66 m x 3.05 m = 11.16 sqm. MATERIAL Plain Gypsum board 12.5 mm thick.= 11.16 sqm Add wastage @ 10% = 1.12 sqm. Total = 12.28 sqm				
7009	12.5 mm thick Plain Gypsum plaster board	sqm	12.28	155.00	1903.40
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm.	metre	19.66	35.00	688.10
8721	Perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm.	metre	9.60	22.00	211.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	2.00	84.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	68.00	119.68
9999	Jointing compound	L.S.	20.80	2.00	41.60
7018	Joint tape roll	roll	0.19	100.00	19.00
9999	Sundries i/c rawl plug, scaffolding etc.	L.S.	52.00	2.00	104.00
9977	Carriage of materials	L.S.	26.00	2.00	52.00
	LABOUR				
0111	Carpenter 1st class	day	3.80	738.00	2804.40
0114	Beldar	day	4.60	558.00	2566.80
	TOTAL				8594.18 W
	Add 1 % Water charges on "W"				85.94
	TOTAL				8680.12 X
	Add GST on "X" (multiplying factor 0.1405)				1219.56
	TOTAL				9899.68 Y
	Add 15% CPOH on "Y"				1484.95
	TOTAL				11384.63 Z
	Add Cess @ 1% on "Z"				113.85
	Cost for 11.16 sqm				11498.48
	Cost for 1 sqm				1030.33
	Say				1030.35

9.134 Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws :

9.134.1 35 mm thick shutters

9.134.1.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.134.1.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
1190	Second class teak wood in planks	10 cudm	5.14	791.00	4065.74
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				7026.33 W
	Add 1 % Water charges on "W"				70.26
	TOTAL				7096.59 X
	Add GST on "X" (multiplying factor 0.1405)				997.07
	TOTAL				8093.66 Y
	Add 15% CPOH on "Y"				1214.05
	TOTAL				9307.71 Z
	Add Cess @ 1% on "Z"				93.08
	Cost of 2.16 sqm.				9400.79
	Cost of 1 sqm.				4352.22
	Say				4352.20

9.134.1.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
2505	Hollock wood in planks	10 cudm	5.14	390.00	2004.60
2204	Carriage of Timber	cum	0.0514	118.59	6.10
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
9999	Chemical treatment	L.S.	8.97	2.00	17.94
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire gauge (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				5021.68 W
	Add 1 % Water charges on "W"				50.22
	TOTAL				5071.89 X
	Add GST on "X" (multiplying factor 0.1405)				712.60
	TOTAL				5784.49 Y
	Add 15% CPOH on "Y"				867.67
	TOTAL				6652.17 Z
	Add Cess @ 1% on "Z"				66.52
	Cost of 2.16 sqm.				6718.69
	Cost of 1 sqm.				3110.50
	Say				3110.50

9.134.1.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
1200	Kiln seasoned selected sheesham wood planks	10 cudm	5.14	650.00	3341.00
2204	Carriage of Timber	cum	0.0514	118.59	6.10
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire gauge (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				6340.14 W
	Add 1 % Water charges on "W"				63.40
	TOTAL				6403.54 X
	Add GST on "X" (multiplying factor 0.1405)				899.70
	TOTAL				7303.23 Y
	Add 15% CPOH on "Y"				1095.49
	TOTAL				8398.72 Z
	Add Cess @ 1% on "Z"				83.99
	Cost of 2.16 sqm.				8482.71
	Cost of 1 sqm.				3927.18
	Say				3927.20

9.134.1.2 With ISI marked stainless steel butt hinges of required size

9.134.1.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Second class Teak wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
1190	Second class teak wood in planks Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm	5.14	791.00	4065.74
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				7230.53 W
	Add 1 % Water charges on "W"				72.31
	TOTAL				7302.83 X
	Add GST on "X" (multiplying factor 0.1405)				1026.05
	TOTAL				8328.88 Y
	Add 15% CPOH on "Y"				1249.33
	TOTAL				9578.21 Z
	Add Cess @ 1% on "Z"				95.78
	Cost of 2.16 sqm.				9673.99
	Cost of 1 sqm.				4478.70
	Say				4478.70

9.134.1.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
2505	Hollock wood in planks	10 cudm	5.14	390.00	2004.60
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
9999	Chemical treatment	L.S.	8.97	2.00	17.94
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				5225.88 W
	Add 1 % Water charges on "W"				52.26
	TOTAL				5278.13 X
	Add GST on "X" (multiplying factor 0.1405)				741.58
	TOTAL				6019.71 Y
	Add 15% CPOH on "Y"				902.96
	TOTAL				6922.67 Z
	Add Cess @ 1% on "Z"				69.23
	Cost of 2.16 sqm.				6991.90
	Cost of 1 sqm.				3236.99
	Say				3237.00

9.134.1.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.				
1200	Kiln seasoned selected sheesham wood planks	10 cudm	5.14	650.00	3341.00
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
2204	Carriage of Timber LABOUR	cum	0.0514	118.59	6.10
0111	Carpenter 1st class	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.05	558.00	585.90
0130	Mistry	day	0.105	738.00	77.49
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				6544.34 W
	Add 1 % Water charges on "W"				65.44
	TOTAL				6609.78 X
	Add GST on "X" (multiplying factor 0.1405)				928.67
	TOTAL				7538.45 Y
	Add 15% CPOH on "Y"				1130.77
	TOTAL				8669.22 Z
	Add Cess @ 1% on "Z"				86.69
	Cost of 2.16 sqm.				8755.91
	Cost of 1 sqm.				4053.66
	Say				4053.65

9.134.2 30 mm thick shutters

9.134.2.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.134.2.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1190	Second class teak wood in planks	10 cudm	4.40	791.00	3480.40
2204	Carriage of Timber	cum	0.044	118.59	5.22
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				6266.82 W
	Add 1 % Water charges on "W"				62.67
	TOTAL				6329.49 X
	Add GST on "X" (multiplying factor 0.1405)				889.29
	TOTAL				7218.78 Y
	Add 15% CPOH on "Y"				1082.82
	TOTAL				8301.60 Z
	Add Cess @ 1% on "Z"				83.02
	Cost of 2.16 sqm.				8384.61
	Cost of 1 sqm.				3881.76
	Say				3881.75

9.134.2.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
2505	Hollock wood in planks	10 cudm	4.40	390.00	1716.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
9999	Chemical treatment	L.S.	8.97	2.00	17.94
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				4553.36 W
	Add 1 % Water charges on "W"				45.53
	TOTAL				4598.89 X
	Add GST on "X" (multiplying factor 0.1405)				646.14
	TOTAL				5245.04 Y
	Add 15% CPOH on "Y"				786.76
	TOTAL				6031.79 Z
	Add Cess @ 1% on "Z"				60.32
	Cost of 2.16 sqm.				6092.11
	Cost of 1 sqm.				2820.42
	Say				2820.40

9.134.2.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1200	Kiln seasoned selected sheesham wood planks	10 cudm	4.40	650.00	2860.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire gauge (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	49.00	9.80
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				5679.42 W
	Add 1 % Water charges on "W"				56.79
	TOTAL				5736.21 X
	Add GST on "X" (multiplying factor 0.1405)				805.94
	TOTAL				6542.15 Y
	Add 15% CPOH on "Y"				981.32
	TOTAL				7523.47 Z
	Add Cess @ 1% on "Z"				75.23
	Cost of 2.16 sqm.				7598.71
	Cost of 1 sqm.				3517.92
	Say				3517.90

9.134.2.2 With ISI marked stainless steel butt hinges of required size

9.134.2.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1190	Second class teak wood in planks	10 cudm	4.40	791.00	3480.40
2204	Carriage of Timber	cum	0.044	118.59	5.22
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				6471.02 W
	Add 1 % Water charges on "W"				64.71
	TOTAL				6535.73 X
	Add GST on "X" (multiplying factor 0.1405)				918.27
	TOTAL				7454.00 Y
	Add 15% CPOH on "Y"				1118.10
	TOTAL				8572.10 Z
	Add Cess @ 1% on "Z"				85.72
	Cost of 2.16 sqm.				8657.82
	Cost of 1 sqm.				4008.25
	Say				4008.25

9.134.2.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
2505	Hollock wood in planks	10 cudm	4.40	390.00	1716.00
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
9999	Chemical treatment	L.S.	9.10	2.00	18.20
2204	Carriage of Timber	cum	0.044	118.59	5.22
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				4757.82 W
	Add 1 % Water charges on "W"				47.58
	TOTAL				4805.40 X
	Add GST on "X" (multiplying factor 0.1405)				675.16
	TOTAL				5480.55 Y
	Add 15% CPOH on "Y"				822.08
	TOTAL				6302.64 Z
	Add Cess @ 1% on "Z"				63.03
	Cost of 2.16 sqm.				6365.66
	Cost of 1 sqm.				2947.07
	Say				2947.05

9.134.2.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Hollock wood Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x (1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	400.00	564.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	255.00	153.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	135.00	27.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	215.00	103.20
8214	Stainless steel screws 20 mm	100 Nos	0.08	125.00	10.00
	LABOUR				
0111	Carpenter 1st class	day	1.20	738.00	885.60
0112	Carpenter 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.00	558.00	558.00
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries	L.S.	33.80	2.00	67.60
	TOTAL				5883.62 W
	Add 1 % Water charges on "W"				58.84
	TOTAL				5942.45 X
	Add GST on "X" (multiplying factor 0.1405)				834.91
	TOTAL				6777.37 Y
	Add 15% CPOH on "Y"				1016.61
	TOTAL				7793.97 Z
	Add Cess @ 1% on "Z"				77.94
	Cost of 2.16 sqm.				7871.91
	Cost of 1 sqm.				3644.40
	Say				3644.40

9.135 Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete.

9.135.1 With 2nd class teak wood beading 62X19 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.69	400.00	676.00
9977	Carriage of wire fabric	L.S.	1.82	2.00	3.64
	Second class teak wood beading 5mx62mmx19mm = 0.0059cum. Add wastage @ 10% = 0.00059cum. Total = 0.00649cum. Say 6 cudm.				
1190	Second class teak wood in planks	10 cudm	0.60	791.00	474.60
2204	Carriage of Timber	cum	0.006	118.59	0.71
	LABOUR				
0112	Carpenter 2nd class	day	0.33	679.00	224.07
0114	Beldar	day	0.25	558.00	139.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				1558.04 W
	Add 1 % Water charges on "W"				15.58
	TOTAL				1573.62 X
	Add GST on "X" (multiplying factor 0.1405)				221.09
	TOTAL				1794.72 Y
	Add 15% CPOH on "Y"				269.21
	TOTAL				2063.92 Z
	Add Cess @ 1% on "Z"				20.64
	Cost of 1.54 sqm.				2084.56
	Cost of 1 sqm.				1353.61
	Say				1353.60

9.135.2 With 12 mm mild steel U beading

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window of size 140x110cm =1.54sqm.				
	MATERIAL				
	Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+				
	Add wastage @ 10% = 0.15sqm.				
	Total = 1.69 sqm.				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.69	400.00	676.00
9977	Carriage of wire fabric	L.S.	1.82	2.00	3.64
7349	12 mm M.S. 'U' beading	metre	5.00	14.00	70.00
	LABOUR				
0112	Carpenter 2nd class	day	0.33	679.00	224.07
0114	Beldar	day	0.25	558.00	139.50
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				1152.73 W
	Add 1 % Water charges on "W"				11.53
	TOTAL				1164.26 X
	Add GST on "X" (multiplying factor 0.1405)				163.58
	TOTAL				1327.84 Y
	Add 15% CPOH on "Y"				199.18
	TOTAL				1527.01 Z
	Add Cess @ 1% on "Z"				15.27
	Cost of 1.54 sqm.				1542.28
	Cost of 1 sqm.				1001.48
	Say				1001.50

- 9.136 Providing and fixing fire resistant door frame of section 143 x 57 mm having built in rebate made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10x4 mm (minimum) around the frame and fixing with dash fastener of approved size and make, including applying a coat of approved brand fire resistant primer etc. complete as per direction of Engineer-in-charge (Dash fastener to be paid for separately).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8738	Details of cost for 3300/2750mm Door (9.10 metre length) MATERIAL Factory made door frame fire rated (60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with vermiculite based concrete mix	metre	9.10	1050.00	9555.00
9999	LABOUR Labour for fixing	L.S.	130.00	2.00	260.00
9988	Sundries and carriage	L.S.	4.23	2.00	8.46
	TOTAL				9823.46 W
	Add 1 % Water charges on "W"				98.23
	TOTAL				9921.69 X
	Add GST on "X" (multiplying factor 0.1405)				1394.00
	TOTAL				11315.69 Y
	Add 15% CPOH on "Y"				1697.35
	TOTAL				13013.05 Z
	Add Cess @ 1% on "Z"				130.13
	Cost of 9.10 metres				13143.18
	Cost of 1.00 metre				1444.31
	Say				1444.30

- 9.137 Providing and fixing 50 mm thick glazed fire resistant door shutters of 60 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, lock rail, top rail 100 mm wide, bottom rail 200 mm wide, made out of 16 SWG G.I.sheet (zinc coating not less than 120 gm/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 (panneling to be paid for separately).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.50 sqm (Door size- 1710x2050 mm)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8739	MATERIAL Fire rated door shutter made with 16 SWG G.I. sheet(60 minutes) without panel	sqm	3.50	4500.00	15750.00
9999	LABOUR Labour for fixing	L.S.	180.00	2.00	360.00
9988	Sundries & Carriage	L.S.	10.00	2.00	20.00
	TOTAL				16130.00 W
	Add 1 % Water charges on "W"				161.30
	TOTAL				16291.30 X
	Add GST on "X" (multiplying factor 0.1405)				2288.93
	TOTAL				18580.23 Y
	Add 15% CPOH on "Y"				2787.03
	TOTAL				21367.26 Z
	Add Cess @ 1% on "Z"				213.67
	Cost of 3.50 sqm				21580.93
	Cost of 1 sqm				6165.98
	Say				6166.00

- 9.138 Providing and fixing glazing in fire resistant door shutters, fixed panels & partitions etc., with G.I. beading made out of 1.6 mm thick G.I. sheet (zinc coating not less than 120 gm/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):2016 and as per direction of Engineer-in-charge with glass of required thickness having 60 minutes of fire resistance both integrity & radiation control (EW60) and minimum 20 minutes of insulation (EI20). The manufacturer have to give test report/certification of fire glass and the glass should have the stamp showing the value of E, EW & EI. The glass shall be tested in approved NABL accredited lab or by any other accreditation body which operates in accordance with ISO/IEC 17011 and accredits labs as per ISO/IEC 17025 for testing and calibration scopes shall be eligible. The maximum glazing size shall not be more than 1100x2200 mm (w x h) or 2.42 sqm.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2.46 sqm (Door size 1710 mm x 2050 mm) Glazing area = 2x0.679x1.808= 2.46sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8760	MATERIAL Glass panes of required thickness having 60 minutes of fire resistance both integrity and radiation control (EW 60) and minimum 20 minutes of Insulation (EI 20)	sqm	2.46	22500.00	55350.00
2641	G.I. U beading of 1.6 mm thick G.I. Sheet with M4x38mm SS screws	metre	9.91	245.00	2427.95
2642	Ceramic tape 5x20 mm size	metre	19.82	410.00	8126.20
	LABOUR				
9999	For fixing in position all complete	L.S.	180.00	2.00	360.00
9999	Sundries and carriage & Calcium Silicate Blocks	L.S.	10.00	2.00	20.00
	TOTAL				66284.15 W
	Add 1 % Water charges on "W"				662.84
	TOTAL				66946.99 X
	Add GST on "X" (multiplying factor 0.1405)				9406.05
	TOTAL				76353.04 Y
	Add 15% CPOH on "Y"				11452.96
	TOTAL				87806.00 Z
	Add Cess @ 1% on "Z"				878.06
	Cost of 2.46 sqm				88684.06
	Cost of 1 sqm				36050.43
	Say				36050.45

9.139 Providing and fixing panic bar / latch (Double point) fitted with a single body, Trim Latch & Lock on back side of the Panic Latch of reputed brand and manufacture to be approved by the Engineer- in- charge, all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 Nos				
	MATERIAL				
8744	Panic Bar / latch (Double point)	each	1.00	5200.00	5200.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	738.00	125.46
9977	Sundries (screws and carriage)	L.S.	3.64	2.00	7.28
	TOTAL				5332.74 W
	Add 1 % Water charges on "W"				53.33
	TOTAL				5386.07 X
	Add GST on "X" (multiplying factor 0.1405)				756.74
	TOTAL				6142.81 Y
	Add 15% CPOH on "Y"				921.42
	TOTAL				7064.23 Z
	Add Cess @ 1% on "Z"				70.64
	Cost of 1 No				7134.87
	Say				7134.85

- 9.140 Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately).**
- 9.140.1 12mm thick commercial ply conforming to IS : 1328 BWR type**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
2413	12 mm commercial ply	sqm	11.00	500.00	5500.00
	Priming coat				
13.50.1	Rate as per Item Number 13.50.1 of SH: Finishing	sqm	10.00	57.05	570.50 A
9999	Sundries and screws etc.	L.S.	40.10	2.00	80.20
	LABOUR				
0156	Carpenter (average)	day	1.28	709.00	907.52
0114	Beldar	day	1.43	558.00	797.94
9988	Sundries and carriage	L.S.	33.56	2.00	67.12
	TOTAL				7923.28 W
	Add 1 % Water charges on "W-A"				73.53
	TOTAL				7996.81 X
	Add GST on "X-A" (multiplying factor 0.1405)				1043.40
	TOTAL				9040.20 Y
	Add 15% CPOH on "Y-A"				1270.46
	TOTAL				10310.66 Z
	Add Cess @ 1% on "Z-A"				97.40
	Cost of 10 sqm				10408.06
	Cost of 1 sqm				1040.81
	Say				1040.80

- 9.141 Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door frame of 5 metre				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8014	MATERIAL Factory made door frame of size 50x47mm with wall thickness 5 mm made of single pieces extruded profile	meter	5.00	298.74	1493.70
0156	LABOUR Carpenter (average)	day	0.15	709.00	106.35
0114	Beldar	day	0.15	558.00	83.70
9999	Sundries	L.S.	11.65	2.00	23.30
	TOTAL				1707.05 W
	Add 1 % Water charges on "W"				17.07
	TOTAL				1724.12 X
	Add GST on "X" (multiplying factor 0.1405)				242.24
	TOTAL				1966.36 Y
	Add 15% CPOH on "Y"				294.95
	TOTAL				2261.31 Z
	Add Cess @ 1% on "Z"				22.61
	Cost of 5 metres				2283.93
	Cost of 1 metre				456.79
	Say				456.80

9.142 35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm (± 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 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge.

9.142.1 Non decorative finish (matt finish)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8735	MATERIAL 35 mm thick factory made solid panel PVC door shutter of single pieceextruded profile non decorative finished (Matt finished)	sqm	2.38	2150.00	5117.00
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	123.00	49.20
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0156	Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	30.35	2.00	60.70
	TOTAL				5764.90 W
	Add 1 % Water charges on "W"				57.65
	TOTAL				5822.55 X
	Add GST on "X" (multiplying factor 0.1405)				818.07
	TOTAL				6640.62 Y
	Add 15% CPOH on "Y"				996.09
	TOTAL				7636.71 Z
	Add Cess @ 1% on "Z"				76.37
	Cost of 2.38 sqm				7713.08
	Cost of 1 sqm				3240.79
	Say				3240.80

9.142.2 Decorative finish (wood grained finish)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm				
	MATERIAL				
8736	35 mm thick factory made solid panel PVC door shutter of single pieceextruded profile decorative finished (Wood grand finished)	sqm	2.38	2600.00	6188.00
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	123.00	49.20
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	60.00	28.80
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	30.00	2.40
	LABOUR				
0156	Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	30.35	2.00	60.70
	TOTAL				6835.90 W
	Add 1 % Water charges on "W"				68.36
	TOTAL				6904.26 X
	Add GST on "X" (multiplying factor 0.1405)				970.05
	TOTAL				7874.31 Y
	Add 15% CPOH on "Y"				1181.15
	TOTAL				9055.45 Z
	Add Cess @ 1% on "Z"				90.55
	Cost of 2.38 sqm				9146.01
	Cost of 1 sqm				3842.86
	Say				3842.85

9.143 Providing and Fixing factory made uPVC door frame, made of uPVC extruded sections, of size 65 mm x 55 mm with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be mitred cut and jointed with plastic brackets and stainless steel screws, reinforcing hinge side vertical of the frames with PVC profile of Size 28 mm x 30 mm having wall thickness 2 mm (± 0.2 mm), including providing & fixing 3 nos of 125 mm long stainless steel hinges to the frame, fixing the frame with jamb with required number & size of anchor dash fastners, all complete as per manufacturer's specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8745	Details of cost for one door frame of 5 metre MATERIAL 65mm x 55mm x 2mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	5.00	355.00	1775.00
	LABOUR				
0156	Carpenter (average)	day	0.15	709.00	106.35
0114	Beldar	day	0.15	558.00	83.70
9999	Sundries	L.S.	4.68	2.00	9.36
	TOTAL				1974.41 W
	Add 1 % Water charges on "W"				19.74
	TOTAL				1994.15 X
	Add GST on "X" (multiplying factor 0.1405)				280.18
	TOTAL				2274.33 Y
	Add 15% CPOH on "Y"				341.15
	TOTAL				2615.48 Z
	Add Cess @ 1% on "Z"				26.15
	Cost of 5 metres				2641.64
	Cost of 1 metre				528.33
	Say				528.35

- 9.144** Providing and fixing 37 mm thick factory made PVC door shutter, styles and rails made of PVC hollow section of size 100 mm x 37 mm with wall thickness 2 mm (± 0.2 mm), with inbuilt bead on one side, styles and rails mitered cut and joint at the corners by means of 2 nos of plastic brackets of size 75 mm x 220 mm at each corner and stainless steel screws, reinforcing the hinge side of style by inserting PVC profile of size 28 mm x 30 mm, with wall thickness 2 mm (± 0.2 mm). Lockrail of size 100 mm x 37 mm, wall thickness 2 mm (± 0.2 mm) will be fixed to the vertical styles. Providing with PVC snapfit beads and panel of size 100 mm x 20 mm, and inserting 2 nos tie bar of 6 mm dia and fastening with nuts and washers complete, all as per manufacturer's specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8746	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm MATERIAL 37 mm thick Factory made shutter with style,rails and panels of PVC extruded section in white or grey finish i/c carriage	sqm	2.38	2400.00	5712.00
0156	LABOUR Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				6259.52 W
	Add 1 % Water charges on "W"				62.60
	TOTAL				6322.12 X
	Add GST on "X" (multiplying factor 0.1405)				888.26
	TOTAL				7210.37 Y
	Add 15% CPOH on "Y"				1081.56
	TOTAL				8291.93 Z
	Add Cess @ 1% on "Z"				82.92
	Cost of 2.38 sqm				8374.85
	Cost of 1 sqm				3518.84
	Say				3518.85

- 9.145** Providing and Fixing factory made PVC door frame made of PVC extruded sections of size 75 mm x 53 mm, having wall thickness 2.0 mm (± 0.2 mm). Both verticalssides of the frame reinforced with PVC profile of cross section size 28 mm x 30 mm x 2 mm thickness (± 0.2 mm) and 75 mm x 200 mm long, including reinforcing both ends of the top frame with PVC profile. PVC Door Frame and PVC reinforcement profile to be mitred cut, jointed and fusion welded together, including providing and fixing 3 nos of 125 mm long stainless steel hinges to frame, fixing the frame with jamb with required nos & sizes of anchor dash fastener, all complete as per manufacturer's specification and direction of engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door frame of 5 metre				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8747	MATERIAL 75mm x 53mm x 2.0mm thick Factory made door frame of PVC extruded section in white,grey or wooden finish	metre	5.00	400.00	2000.00
0156	LABOUR Carpenter (average)	day	0.15	709.00	106.35
0114	Beldar	day	0.15	558.00	83.70
9999	Sundries	L.S.	4.68	2.00	9.36
	TOTAL				2199.41 W
	Add 1 % Water charges on "W"				21.99
	TOTAL				2221.40 X
	Add GST on "X" (multiplying factor 0.1405)				312.11
	TOTAL				2533.51 Y
	Add 15% CPOH on "Y"				380.03
	TOTAL				2913.54 Z
	Add Cess @ 1% on "Z"				29.14
	Cost of 5 metres				2942.67
	Cost of 1 metre				588.53
	Say				588.55

- 9.146 Providing and fixing 37 mm thick factory made PVC Door shutter, styles and rails made of PVC hollow extruded printed and laminated section having overall dimension 115 mm x 37 mm with wall thickness 2 mm (\pm 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 (\pm 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 (\pm 0.2 mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6 mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer's specification and direction of engineer-in-charge.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8748	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm MATERIAL 37 mm thick Factory made fusion welded shutter with style,rails and panels of PVC extruded section in wooden finish.	sqm	2.38	2600.00	6188.00
0156	LABOUR Carpenter (average)	day	0.40	709.00	283.60
0114	Beldar	day	0.40	558.00	223.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	20.36	2.00	40.72
	TOTAL				6735.52 W
	Add 1 % Water charges on "W"				67.36
	TOTAL				6802.88 X
	Add GST on "X" (multiplying factor 0.1405)				955.80
	TOTAL				7758.68 Y
	Add 15% CPOH on "Y"				1163.80
	TOTAL				8922.48 Z
	Add Cess @ 1% on "Z"				89.22
	Cost of 2.38 sqm				9011.71
	Cost of 1 sqm				3786.43
	Say				3786.45

9.147A Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately)

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.

9.147A.1 Casement window single panel with S.S. friction hinges (300 x 19 x 1.9 mm), made of (small series) frame 47 x 50 mm & sash 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glass pane glazing bead of appropriate dimension. (Area of window upto 0.75 sqm.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8121	Detail of Cost for uPVC casement window size 0.50 x 1.35 m = 0.68 sqm MATERIAL uPVC extruded (small series) casement window frame size 47x50mm i/c 5% wastage	metre	3.89	258.30	1004.79
8122	uPVC extruded (small series) casement window sash/window mullion size 47x68 mm i/c 5% wastage	metre	3.68	282.90	1041.07
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash Galvanized iron reinforcement for :-	metre	3.49	98.40	343.42

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3991	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window frame, sash, mullion i/c 5% wastage Window Frame = 3.59 M + Window Sash = 3.38 M Total = 6.97 M	metre	6.97	66.00	460.02
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	14.55	19.00	276.45
3995	G.I fasteners 100 x 8 mm	each	8.00	14.00	112.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	2.00	245.00	490.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	1.00	130.00	130.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.68	485.00	329.80
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	0.68	430.00	292.40
	TOTAL				4819.95 W
	Add 1 % Water charges on "W"				48.20
	TOTAL				4868.14 X
	Add GST on "X" (multiplying factor 0.1405)				683.97
	TOTAL				5552.12 Y
	Add 15% CPOH on "Y"				832.82
	TOTAL				6384.94 Z
	Add Cess @ 1% on "Z"				63.85
	Cost of 0.68 sqm				6448.79
	Cost of 1.00 sqm				9483.51
	Say				9483.50

9.147A.2 Casement window double panels with S.S. friction hinges (300 x 19 x 1.9 mm) made of (small series) frame 47 x 50 mm, sash 47 x 68 mm & mullion 47 x 68 mm all having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window above 0.75 sqm upto 1.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8121	Detail of cost for uPVC casement window size 1.00 x 1.35 m = 1.35 sqm. MATERIAL uPVC extruded (small series) casement window frame size 47x50mm i/c 5% wastage	metre	4.94	258.30	1276.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8122	uPVC extruded (small series) casement window sash/window Mullion size 47x68 mm i/c 5% wastage Window Sash = 7.44 M + Window Mullion= 1.42 M Total = 8.86 M	metre	8.86	282.90	2506.49
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash i/c 5% wastage	metre	7.06	98.40	694.70
3991	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window frame, sash, mullion i/c 5% wastage Window Frame = 4.64 M + Window Sash = 6.64 M + Window Mullion = 1.35 M Total = 12.63 M	metre	12.63	66.00	833.58
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	27.91	19.00	530.29
3995	G.I fasteners 100 x 8 mm	each	10.00	14.00	140.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	4.00	245.00	980.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	130.00	260.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	2.00	340.00
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.35	485.00	654.75
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	1.35	430.00	580.50
	TOTAL				8796.32 W
	Add 1 % Water charges on "W"				87.96
	TOTAL				8884.28 X
	Add GST on "X" (multiplying factor 0.1405)				1248.24
	TOTAL				10132.52 Y
	Add 15% CPOH on "Y"				1519.88
	TOTAL				11652.40 Z
	Add Cess @ 1% on "Z"				116.52
	Cost of 1.35 sqm				11768.93
	Cost of 1.00 sqm				8717.72
	Say				8717.70

9.147A.3 Casement window double panels with top fixed with S.S. friction hinges (350 x 19 x 1.9 mm) made of (small series) frame 47 x 50 mm, sash 47 x 68 mm & mullion 47 x 68 mm all having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 2.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement window size 1.20 x 1.80 m = 2.16 sqm MATERIAL				
8121	uPVC extruded (small series) casement window frame size 47x50mm i/c 5% wastage	metre	6.30	258.30	1627.29
8122	uPVC extruded (small series) casement window sash/window Mullion size 47x68mm i/c 5% wastage Window Sash = 7.28 M + Window Mullion = 2.52 M Total = 9.80 M	metre	9.80	282.90	2772.42
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash i/c 5% wastage	metre	10.62	98.40	1045.01
3991	Galvanized iron reinforcement for :- Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for small series casement window frame, sash, mullion i/c 5% wastage Window Frame = 6.00 M + Window Sash = 6.68 M + Window Mullion = 2.37 M Total = 15.05 M	metre	15.05	66.00	993.30
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	37.34	19.00	709.46
3995	G.I fasteners 100 x 8 mm	each	12.00	14.00	168.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	4.00	345.00	1380.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	130.00	260.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
	LABOUR				
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.16	485.00	1047.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded casement windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 2.16 sqm Cost of 1.00 sqm Say	sqm	2.16	430.00	928.80 11271.88 W 112.72 11384.60 X 1599.54 12984.13 Y 1947.62 14931.75 Z 149.32 15081.07 6981.98 6982.00

9.147A.4 Casement window single panel with S.S. friction hinges (400 x 19 x 1.9 mm) made of (big series)frame 67 x 60 mm & sash 67 x 80 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 0.75 sqm.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement window size 0.70 x 1.35 m = 0.95 sqm MATERIAL				
8126	uPVC extruded (big series) casement window frame size 67x60 mm i/c 5% wastage	metre	4.31	319.80	1378.34
8128	uPVC extruded (big series) casement window sash/window mullion size 67x80 mm i/c 5% wastage	metre	4.02	426.40	1714.13
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window sash i/c 5% wastage	metre	3.83	123.00	471.09
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window frame, sash, mullion, i/c 5% wastage Window Frame = 4.01 M + Window Sash = 3.72 M Total = 7.73 M	metre	7.73	71.00	548.83
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	15.99	19.00	303.81
3995	G.I fasteners 100 x 8 mm	each	10.00	14.00	140.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	2.00	365.00	730.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	1.00	130.00	130.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardware, hire charges of drill machine and electricity charges etc.	sqm	0.95	485.00	460.75
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	0.95	430.00	408.50
	TOTAL				6625.45 W
	Add 1 % Water charges on "W"				66.25
	TOTAL				6691.70 X
	Add GST on "X" (multiplying factor 0.1405)				940.18
	TOTAL				7631.88 Y
	Add 15% CPOH on "Y"				1144.78
	TOTAL				8776.67 Z
	Add Cess @ 1% on "Z"				87.77
	Cost of 0.95 sqm				8864.43
	Cost of 1.00 sqm				9330.98
	Say				9331.00

9.147A.5 Casement window double panels with S.S. friction hinges (350 x 19 x 1.9 mm) made of (big series)frame 67 x 60 mm & sash / mullion 67 x 80 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead/ double glazing bead of appropriate dimension. (Area of window above 1.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8126	Detail of Cost for uPVC casement window size 1.20 x 1.35 m = 1.62 sqm. MATERIAL uPVC extruded (big series) casement window frame size 67x60 mm i/c 5% wastage	metre	5.36	319.80	1714.13
8128	uPVC extruded (big series) casement window sash/window mullion size 67x80 mm i/c 5% wastage Window Sash = 7.71 M + Window Mullion =1.42 M Total = 9.13 M	metre	9.13	426.40	3893.03
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window sash i/c 5% wastage Galvanized iron reinforcement for :-	metre	7.34	123.00	902.82

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3992	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window frame, sash, mullion i/c 5% wastage Window Frame = 5.31 M + Window Sash = 7.11 M + Window Mullion = 1.41 M Total = 13.83 M	metre	13.83	71.00	981.93
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	30.62	19.00	581.78
3995	G.I fasteners 100 x 8 mm	each	12.00	14.00	168.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	4.00	345.00	1380.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	130.00	260.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardware, hire charges of drill machine and electricity charges etc.	sqm	1.62	485.00	785.70
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	1.62	430.00	696.60
	TOTAL				11703.99 W
	Add 1 % Water charges on "W"				117.04
	TOTAL				11821.03 X
	Add GST on "X" (multiplying factor 0.1405)				1660.85
	TOTAL				13481.88 Y
	Add 15% CPOH on "Y"				2022.28
	TOTAL				15504.17 Z
	Add Cess @ 1% on "Z"				155.04
	Cost of 1.62 sqm				15659.21
	Cost of 1.00 sqm				9666.18
	Say				9666.20

9.147A.6 Casement cum fixed panel window having both end single casement panel, middle fixed panels and at top completely fixed ventilator with S.S friction hinges (350 x 19 x 1.9) made of (big series) frame 67 x 60 mm , sash 67 x 80 mm & mullion 67 x 80 mm all having wall thickness of 2.3 ± 0.2 mm and single glazing bead/double glazing bead of appropriate dimension. (Area of window above 3.00 sqm upto 5.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement cum fixed window size 2.50 x 1.60 m = 4.00 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8126	MATERIAL uPVC extruded (big series) casement window frame size 67x60 mm i/c 5% wastage	metre	8.61	319.80	2753.48
8128	uPVC extruded (big series) casement window sash/window mullion size 67x80 mm i/c 5% wastage Window Sash = 6.24 M + Window Mullion = 8.93 M Total = 15.17 M	metre	15.17	426.40	6468.49
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window sash i/c 5% wastage	metre	27.85	123.00	3425.55
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window frame, sash, mullion, big & small series sliding window frame i/c 5% wastage Window Frame = 8.31 M + Window Sash = 5.64 M + Window Mullion = 7.95 M Total = 21.90 M	metre	21.90	71.00	1554.90
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	83.45	19.00	1585.55
3995	G.I fasteners 100 x 8 mm	each	16.00	14.00	224.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	4.00	345.00	1380.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	130.00	260.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.00	485.00	1940.00
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	4.00	430.00	1720.00
	TOTAL				21651.97 W
	Add 1 % Water charges on "W"				216.52
	TOTAL				21868.49 X
	Add GST on "X" (multiplying factor 0.1405)				3072.52
	TOTAL				24941.01 Y
	Add 15% CPOH on "Y"				3741.15
	TOTAL				28682.16 Z
	Add Cess @ 1% on "Z"				286.82
	Cost of 4.00 sqm				28968.98
	Cost of 1.00 sqm				7242.25
	Say				7242.25

- 9.147B Providing and fixing factory made uPVC white colour fixed glazed windows/ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately).
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.**
- 9.147B.1 Fixed window / ventilator made of (small series) frame 47 x 50 mm & mullion 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area upto 0.75 sqm.)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC fixed window size 1.20 x 0.50 m = 0.60 sqm. MATERIAL				
8121	uPVC extruded (small series) fixed window frame size 47x50mm	metre	3.57	258.30	922.13
8122	uPVC extruded (small series) fixed window mullion size 47x68 mm	metre	0.53	282.90	149.94
8125	uPVC extruded glazing bead of appropriate dimension for small series fixed window Sash	metre	3.99	98.40	392.62
3991	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series fixed window frame and mullion i/c 5% wastage Window Frame = 3.27 M + Window Mullion = 0.98 M Total = 4.25 M	metre	4.25	66.00	280.50
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	8.38	19.00	159.22
3995	G.I fasteners 100 x 8 mm	each	8.00	14.00	112.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.60	485.00	291.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	0.60	430.00	258.00
	TOTAL				2905.40 W
	Add 1 % Water charges on "W"				29.05
	TOTAL				2934.46 X
	Add GST on "X" (multiplying factor 0.1405)				412.29
	TOTAL				3346.75 Y
	Add 15% CPOH on "Y"				502.01
	TOTAL				3848.76 Z
	Add Cess @ 1% on "Z"				38.49
	Cost of 0.60 sqm				3887.25
	Cost of 1.00 sqm				6478.75
	Say				6478.75

9.147C Providing and fixing factory made uPVC white colour casement/ Casement cum fixed glazed door comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, zinc alloy (white powder coated) 3D hinges and one handle on each side of panels along with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key, G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws, etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon 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 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.

9.147C.1 Casement door with 3D hinges made of (big series) frame 67 x 64 mm & sash 67 x 110 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door upto 2.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement door size 0.90 x 2.10 m = 1.89 sqm.				
	MATERIAL				
8127	uPVC extruded (big series) casement door frame size 67x64 mm i/c 5% wastage	metre	5.36	360.80	1933.89
8129	uPVC extruded (big series) casement door sash size 67x110 mm i/c 5% wastage	metre	6.02	516.60	3109.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8130	uPVC extruded glazing bead of appropriate dimension for big series casement door sash i/c 5% wastage	metre	5.22	123.00	642.06
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window/door frame, sash, mullion, i/c 5% wastage	metre	5.14	71.00	364.94
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash i/c 5% wastage	metre	5.72	97.00	554.84
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	22.91	19.00	435.29
3995	G.I fasteners 100 x 8 mm	each	10.00	14.00	140.00
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door`	each	3.00	451.00	1353.00
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	1.00	2296.00	2296.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded casement/fixed windows/and door including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.89	485.00	916.65
0163	Labour for installation of uPVC extruded casement windows and doors including scaffolding	sqm	1.89	430.00	812.70
	TOTAL				12899.30 W
	Add 1 % Water charges on "W"				128.99
	TOTAL				13028.29 X
	Add GST on "X" (multiplying factor 0.1405)				1830.48
	TOTAL				14858.77 Y
	Add 15% CPOH on "Y"				2228.82
	TOTAL				17087.58 Z
	Add Cess @ 1% on "Z"				170.88
	Cost of 1.89 sqm				17258.46
	Cost of 1.00 sqm				9131.46
	Say				9131.45

9.147C.2 Casement door with top hung ventilator with 3D and S.S. friction hinges (400 x 19 x 1.9 mm) made of (big series) frame 67 x 64 mm, sash 67 x 110 mm & mullion 67 x 80 mm all having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension.(Area of door upto 2.50 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement door size 0.90 x 2.70 m = 2.43 sqm MATERIAL				
8127	uPVC extruded (big series) casement door frame size 67x64 mm i/c 5% wastage	metre	6.30	360.80	2273.04
8129	uPVC extruded (big series) casement door sash size 67x110 mm i/c 5% wastage	metre	6.01	516.60	3104.77
8128	uPVC extruded (big series) casement door sash/mullion size 67x80 mm i/c 5% wastage Door sash (67 mm x 80 mm) = 2.60 M + Door mullion (67 mm x 80 mm) = 0.95 M Total = 3.55 M	metre	3.55	426.40	1513.72
8130	uPVC extruded glazing bead of appropriate dimension for big series casement door sash i/c 5% wastage	metre	8.06	123.00	991.38
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door frame, sash, mullion, i/c 5% wastage Door Frame = 6.08 M + Ventilator Sash =2.30 M + Mullion = 0.88 M Total = 9.26 M	metre	9.26	71.00	657.46
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash i/c 5% wastage	metre	5.71	97.00	553.87
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	31.98	19.00	607.62
3995	G.I fasteners 100 x 8 mm	each	12.00	14.00	168.00
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door	each	3.00	451.00	1353.00
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	1.00	2296.00	2296.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	2.00	365.00	730.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window/door	each	1.00	130.00	130.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0162	LABOUR Labour for fabrication of uPVC extruded casement doors including drilling holes, fixing of fittings & hardware, hire charges of drill machine and electricity charges etc.	sqm	2.43	485.00	1178.55
0163	Labour for installation of uPVC extruded casement ventilator and doors including scaffolding	sqm	2.43	430.00	1044.90
	TOTAL				16942.31 W
	Add 1 % Water charges on "W"				169.42
	TOTAL				17111.73 X
	Add GST on "X" (multiplying factor 0.1405)				2404.20
	TOTAL				19515.93 Y
	Add 15% CPOH on "Y"				2927.39
	TOTAL				22443.32 Z
	Add Cess @ 1% on "Z"				224.43
	Cost of 2.43 sqm				22667.75
	Cost of 1.00 sqm				9328.29
	Say				9328.30

9.147D Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately)

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.

9.147D.1 Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8133	Detail of cost for uPVC sliding window size 1.20 x 1.35 m = 1.62 sqm. MATERIAL uPVC extruded (small series) 2 track sliding window frame size 52x44 mm i/c 5% wastage	metre	5.36	285.00	1527.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8137	uPVC extruded (small series) 2 track sliding window sash size 32x60mm i/c 5% wastage	metre	7.90	265.00	2093.50
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	2.69	80.00	215.20
8131	uPVC extruded glazing bead of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	6.92	60.00	415.20
3991	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series 2 track sliding window frame and sash i/c 5% wastage 2 Track Sliding (Window Frame = 5.06 M + Window Sash = 7.30 M) Total = 12.36 M	metre	12.36	66.00	815.76
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	13.84	19.00	262.96
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	18.48	20.00	369.60
3995	G.I fasteners 100 x 8 mm	each	12.00	14.00	168.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	105.00	210.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	4.00	56.00	224.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.62	485.00	785.70
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	1.62	430.00	696.60
	TOTAL				8124.12 W
	Add 1 % Water charges on "W"				81.24
	TOTAL				8205.36 X
	Add GST on "X" (multiplying factor 0.1405)				1152.85
	TOTAL				9358.21 Y
	Add 15% CPOH on "Y"				1403.73
	TOTAL				10761.95 Z
	Add Cess @ 1% on "Z"				107.62
	Cost of 1.62 sqm				10869.57
	Cost of 1.00 sqm				6709.61
	Say				6709.60

9.147D.2 Three track three panels sliding window with fly proof SS wire mesh (Two nos. glazed & one no. wire mesh panels) made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension (Area of window upto 1.75 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 1.20 x 1.35 m = 1.62 sqm. MATERIAL				
8135	uPVC extruded (small series) 3 track sliding window frame size 92x44 mm i/c 5% wastage	metre	5.06	380.00	1922.80
8137	uPVC extruded (small series) 3 track sliding window sash size 32x60mm i/c 5% wastage	metre	11.84	265.00	3137.60
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	4.04	80.00	323.20
8131	uPVC extruded glazing bead of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	10.38	60.00	622.80
3991	Galvanized iron reinforcement for Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for small series sliding window frame and sash i/c 5% wastage 3 Track Sliding (Window Frame = 9.52 m + Window Sash = 10.94 m) Total = 20.46 M	metre	20.46	66.00	1350.36
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	20.76	19.00	394.44
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	27.72	20.00	554.40
3995	G.I fasteners 100 x 8 mm	each	12.00	14.00	168.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	105.00	210.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	56.00	336.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
	LABOUR				
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.62	485.00	785.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	1.62	430.00	696.60
	TOTAL				10841.90 W
	Add 1 % Water charges on "W"				108.42
	TOTAL				10950.32 X
	Add GST on "X" (multiplying factor 0.1405)				1538.52
	TOTAL				12488.84 Y
	Add 15% CPOH on "Y"				1873.33
	TOTAL				14362.16 Z
	Add Cess @ 1% on "Z"				143.62
	Cost of 1.62 sqm				14505.79
	Cost of 1.00 sqm				8954.19
	Say				8954.20

9.147D.3 Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension . (Area of window above 1.75 sqm upto 2.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 1.50 x 1.35 m = 2.03sqm				
	MATERIAL				
8134	uPVC extruded (big series) 2 track sliding window frame size 67x50mm	metre	5.99	385.00	2306.15
	i/c 5% wastage				
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm	metre	8.36	325.00	2717.00
	i/c 5% wastage				
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash	metre	2.65	90.00	238.50
	i/c 5% wastage				
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window	metre	7.64	85.00	649.40
	Sash i/c 5% wastage				
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (2 track sliding window frame i/c 5% wastage)	metre	5.69	71.00	403.99
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (2 track sliding window sash i/c 5% wastage)	metre	7.76	86.00	667.36
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	15.28	19.00	290.32
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	19.37	20.00	387.40
3995	G.I fasteners 100 x 8 mm	each	14.00	14.00	196.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	105.00	210.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	4.00	56.00	224.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardware, hire charges of drill machine and electricity charges etc.	sqm	2.03	485.00	984.55
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	2.03	430.00	872.90
	TOTAL				10487.57 W
	Add 1 % Water charges on "W"				104.88
	TOTAL				10592.45 X
	Add GST on "X" (multiplying factor 0.1405)				1488.24
	TOTAL				12080.68 Y
	Add 15% CPOH on "Y"				1812.10
	TOTAL				13892.79 Z
	Add Cess @ 1% on "Z"				138.93
	Cost of 2.03 sqm				14031.71
	Cost of 1.00 sqm				6912.17
	Say				6912.15

9.147D.4 Three track three panels sliding window with fly proof S.S wire mesh (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 1.80 x 1.35 m = 2.43 sqm. MATERIAL				
8136	uPVC extruded (big series) 3 track sliding window frame size 116x45mm i/c 5% wastage	metre	6.62	530.00	3508.60
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm i/c 5% wastage	metre	13.49	325.00	4384.25
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	3.98	90.00	358.20
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage Galvanized iron reinforcement for	metre	11.91	85.00	1012.35

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3992	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (3 track sliding window frame i/c 5% wastage)	metre	12.64	71.00	897.44
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (3 track sliding window sash i/c 5% wastage)	metre	12.59	86.00	1082.74
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	23.81	19.00	452.39
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	30.96	20.00	619.20
3995	G.I fasteners 100 x 8 mm	each	16.00	14.00	224.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	105.00	210.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	56.00	336.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.43	485.00	1178.55
0163	Labour for installation of uPVC extruded casement/ sliding windows including scaffolding	sqm	2.43	430.00	1044.90
	TOTAL				15648.62 W
	Add 1 % Water charges on "W"				156.49
	TOTAL				15805.11 X
	Add GST on "X" (multiplying factor 0.1405)				2220.62
	TOTAL				18025.72 Y
	Add 15% CPOH on "Y"				2703.86
	TOTAL				20729.58 Z
	Add Cess @ 1% on "Z"				207.30
	Cost of 2.43 sqm				20936.88
	Cost of 1.00 sqm				8616.00
	Say				8616.00

9.147D.5 Three track three panels sliding window made of (big series) frame 116 x 45 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 1.80 x 1.35 m = 2.43 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8136	MATERIAL uPVC extruded (big series) 3 track sliding window frame size 116x45mm i/c 5% wastage	metre	6.62	530.00	3508.60
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm i/c 5% wastage	metre	11.85	325.00	3851.25
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	5.30	90.00	477.00
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	10.26	85.00	872.10
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (3 track sliding window frame i/c 5% wastage)	metre	12.64	71.00	897.44
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (3 track sliding window sash i/c 5% wastage)	metre	10.95	86.00	941.70
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	20.52	19.00	389.88
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	29.00	20.00	580.00
3995	G.I fasteners 100 x 8 mm	each	16.00	14.00	224.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	105.00	210.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	56.00	336.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.43	485.00	1178.55
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	2.43	430.00	1044.90
	TOTAL				14851.42 W
	Add 1 % Water charges on "W"				148.51
	TOTAL				14999.93 X
	Add GST on "X" (multiplying factor 0.1405)				2107.49
	TOTAL				17107.42 Y
	Add 15% CPOH on "Y"				2566.11
	TOTAL				19673.54 Z
	Add Cess @ 1% on "Z"				196.74
	Cost of 2.43 sqm				19870.27
	Cost of 1.00 sqm				8177.07
	Say				8177.05

- 9.147E** Providing and fixing factory made uPVC white colour sliding glazed window above 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads, uPVC extruded interlocks and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle on one side of extreme panel along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) touch lock with hook (if required for wire mesh panel), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon 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.
- 9.147E.1** Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 2.50 sqm upto 4.00 sqm.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8134	Detail of cost for uPVC sliding window size 1.50 x 2.40 m = 3.60 sqm. MATERIAL uPVC extruded (big series) 2 track sliding window frame size 67x50mm i/c 5% wastage	metre	8.19	385.00	3153.15
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm i/c 5% wastage	metre	12.77	325.00	4150.25
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	4.86	90.00	437.40
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	12.04	85.00	1023.40
3992	Galvanized iron reinforcement for Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for big series sliding window frame (2 track sliding window frame i/c 5% wastage)	metre	7.89	71.00	560.19
3994	Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for big series sliding window sash (2 track sliding window sash i/c 5% wastage)	metre	12.17	86.00	1046.62

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	24.08	19.00	457.52
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	30.40	20.00	608.00
3995	G.I fasteners 100 x 8 mm	each	16.00	14.00	224.00
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window	each set	2.00	1394.00	2788.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding window	each	4.00	95.00	380.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	3.60	485.00	1746.00
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	3.60	430.00	1548.00
	TOTAL				18462.53 W
	Add 1 % Water charges on "W"				184.63
	TOTAL				18647.16 X
	Add GST on "X" (multiplying factor 0.1405)				2619.93
	TOTAL				21267.08 Y
	Add 15% CPOH on "Y"				3190.06
	TOTAL				24457.14 Z
	Add Cess @ 1% on "Z"				244.57
	Cost of 3.60 sqm				24701.71
	Cost of 1.00 sqm				6861.59
	Say				6861.60

9.147E.2 Two track four panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 4.00 sqm upto 8.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8134	Detail of cost for uPVC sliding window size 3.00 x 2.40 m = 7.20 sqm. MATERIAL uPVC extruded (big series) 2 track sliding window frame size 67x50mm i/c 5% wastage	metre	11.34	385.00	4365.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm i/c 5% wastage	metre	25.75	325.00	8368.75
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	9.71	90.00	873.90
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	2.40	90.00	216.00
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	24.31	85.00	2066.35
3992	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (2 track sliding window frame i/c 5% wastage)	metre	11.04	71.00	783.84
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (2 track sliding window sash i/c 5% wastage)	metre	24.55	86.00	2111.30
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	48.62	19.00	923.78
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	61.21	20.00	1224.20
3995	G.I fasteners 100 x 8 mm	each	24.00	14.00	336.00
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window	each set	2.00	1394.00	2788.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding window	each	8.00	95.00	760.00
8754	Zinc alloy (white powder coated) crescent lock for uPVC sliding window	each	2.00	115.00	230.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	7.20	485.00	3492.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded sliding windows including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 7.20 sqm Cost of 1.00 sqm Say	sqm	7.20	430.00	3096.00 31976.02 W 319.76 32295.78 X 4537.56 36833.34 Y 5525.00 42358.34 Z 423.58 42781.92 5941.93 5941.95

9.147F Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately).

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.

9.147F.1 Two track two panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8134	Detail of cost for sliding door size 2.00 x 2.10 m = 4.20 sqm. MATERIAL uPVC extruded (big series) 2 track sliding door frame size 67x50mm i/c 5% wastage	metre	8.61	385.00	3314.85

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8143	uPVC extruded 2 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	12.60	350.00	4410.00
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	4.23	90.00	380.70
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door Sash i/c 5% wastage	metre	11.54	85.00	980.90
3992	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frame (2 track sliding door frame i/c 5% wastage)	metre	8.31	71.00	590.01
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (2 track sliding door sash i/c 5% wastage)	metre	12.00	86.00	1032.00
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	23.08	19.00	438.52
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	29.43	20.00	588.60
3995	G.I fasteners 100 x 8 mm	each	18.00	14.00	252.00
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each set	2.00	1150.00	2300.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	4.00	95.00	380.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardware, hire charges of drill machine and electricity charges etc.	sqm	4.20	485.00	2037.00
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	4.20	430.00	1806.00
	TOTAL				18850.58 W
	Add 1 % Water charges on "W"				188.51
	TOTAL				19039.09 X
	Add GST on "X" (multiplying factor 0.1405)				2674.99
	TOTAL				21714.08 Y
	Add 15% CPOH on "Y"				3257.11
	TOTAL				24971.19 Z
	Add Cess @ 1% on "Z"				249.71
	Cost of 4.20 sqm				25220.90
	Cost of 1.00 sqm				6004.98
	Say				6005.00

9.147F.2 Two track four panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 8.00 sqm upto 10.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding door size 4.00 x 2.10 m = 8.40 sqm. MATERIAL				
8134	uPVC extruded (big series) 2 track sliding door frame size 67x50mm i/c 5% wastage	metre	12.81	385.00	4931.85
8143	uPVC extruded 2 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	25.42	350.00	8897.00
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	8.45	90.00	760.50
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding door sash	metre	2.10	90.00	189.00
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door Sash	metre	23.30	85.00	1980.50
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frame (2 track sliding door frame i/c 5% wastage)	metre	12.51	71.00	888.21
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (2 track sliding door sash i/c 5% wastage)	metre	24.22	86.00	2082.92
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	46.60	19.00	885.40
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	59.29	20.00	1185.80
3995	G.I fasteners 100 x 8 mm	each	26.00	14.00	364.00
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each set	2.00	1150.00	2300.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	8.00	95.00	760.00
8754	Zinc alloy (white powder coated) crescent lock for uPVC sliding door	each	2.00	115.00	230.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
	LABOUR				
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardware, hire charges of drill machine and electricity charges etc.	sqm	8.40	485.00	4074.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded sliding doors including scaffolding TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost of 8.40 sqm Cost of 1.00 sqm Say	sqm	8.40	430.00	3612.00 33481.18 W 334.81 33815.99 X 4751.15 38567.14 Y 5785.07 44352.21 Z 443.52 44795.73 5332.83 5332.85

9.147F.3 Three track three panels sliding door made of (big series) frame 116 x 45 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead/ double glazing bead of appropriate dimension. (Area of door above 5.00 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8136	Detail of cost for uPVC sliding door size 3.00 x 2.10 m = 6.30 sqm. MATERIAL uPVC extruded (big series) 3 track sliding door frame size 116x45mm i/c 5% wastage	metre	10.71	530.00	5676.30
8143	uPVC extruded 3 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	19.09	350.00	6681.50
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	8.45	90.00	760.50
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door i/c 5% wastage	metre	17.51	85.00	1488.35
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frames (3 track sliding door frame i/c 5% wastage)	metre	20.82	71.00	1478.22
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (3 track sliding door sash i/c 5% wastage)	metre	18.19	86.00	1564.34
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	35.01	19.00	665.19
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	46.63	20.00	932.60
3995	G.I fasteners 100 x 8 mm	each	24.00	14.00	336.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each set	2.00	1150.00	2300.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	6.00	95.00	570.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardware, hire charges of drill machine and electricity charges etc.	sqm	6.30	485.00	3055.50
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	6.30	430.00	2709.00
	TOTAL				28557.50 W
	Add 1 % Water charges on "W"				285.58
	TOTAL				28843.08 X
	Add GST on "X" (multiplying factor 0.1405)				4052.45
	TOTAL				32895.53 Y
	Add 15% CPOH on "Y"				4934.33
	TOTAL				37829.86 Z
	Add Cess @ 1% on "Z"				378.30
	Cost of 6.30 sqm				38208.15
	Cost of 1.00 sqm				6064.79
	Say				6064.80

9.147F.4 Three track three panels sliding door with fly proof S.S wire mesh (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8136	Detail of cost for uPVC sliding door size 2.00 x 2.10 m = 4.20 sqm MATERIAL uPVC extruded (big series) 3 track sliding door frame size 116x45mm i/c 5% wastage	metre	8.61	530.00	4563.30
8143	uPVC extruded 3 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	18.90	350.00	6615.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	6.34	90.00	570.60
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door Sash i/c 5% wastage	metre	17.82	85.00	1514.70
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frame (3 track sliding door frame i/c 5% wastage)	metre	8.31	71.00	590.01
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (3 track sliding door sash i/c 5% wastage)	metre	18.00	86.00	1548.00
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	36.64	19.00	696.16
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	44.14	20.00	882.80
3995	G.I fasteners 100 x 8 mm	each	18.00	14.00	252.00
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each set	2.00	1150.00	2300.00
8749	Zinc alloy (white powder coated) touch lock with hook for wire mesh shutter	each	1.00	120.00	120.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	6.00	95.00	570.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.00	340.00
0162	LABOUR Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardware, hire charges of drill machine and electricity charges etc.	sqm	4.20	485.00	2037.00
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	4.20	430.00	1806.00
	TOTAL				24405.57 W
	Add 1 % Water charges on "W"				244.06
	TOTAL				24649.63 X
	Add GST on "X" (multiplying factor 0.1405)				3463.27
	TOTAL				28112.90 Y
	Add 15% CPOH on "Y"				4216.93
	TOTAL				32329.83 Z
	Add Cess @ 1% on "Z"				323.30
	Cost of 4.20 sqm				32653.13
	Cost of 1.00 sqm				7774.56
	Say				7774.55

9.148 Providing and fixing stainless steel (SS-304 grade) friction hinges to the side/top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge.

9.148.1 200 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8755	Details of cost for 10 Nos MATERIAL Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows	each	10.00	205.00	2050.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				2241.44 W
	Add 1 % Water charges on "W"				22.41
	TOTAL				2263.85 X
	Add GST on "X" (multiplying factor 0.1405)				318.07
	TOTAL				2581.93 Y
	Add 15% CPOH on "Y"				387.29
	TOTAL				2969.21 Z
	Add Cess @ 1% on "Z"				29.69
	Cost of 10 Nos				2998.91
	Cost of 1 No				299.89
	Say				299.90

9.148.2 250 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8756	Details of cost for 10 Nos MATERIAL Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for uPVC windows	each	10.00	230.00	2300.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				2491.44 W
	Add 1 % Water charges on "W"				24.91
	TOTAL				2516.35 X
	Add GST on "X" (multiplying factor 0.1405)				353.55
	TOTAL				2869.90 Y
	Add 15% CPOH on "Y"				430.49
	TOTAL				3300.39 Z
	Add Cess @ 1% on "Z"				33.00
	Cost of 10 Nos				3333.39
	Cost of 1 No				333.34
	Say				333.35

9.148.3 300 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8757	Details of cost for 10 Nos MATERIAL Stainless steel friction hinge of size 300 mm x 19 x 1.9 mm for uPVC windows	each	10.00	245.00	2450.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				2641.44 W
	Add 1 % Water charges on "W"				26.41
	TOTAL				2667.85 X
	Add GST on "X" (multiplying factor 0.1405)				374.83
	TOTAL				3042.69 Y
	Add 15% CPOH on "Y"				456.40
	TOTAL				3499.09 Z
	Add Cess @ 1% on "Z"				34.99
	Cost of 10 Nos				3534.08
	Cost of 1 No				353.41
	Say				353.40

9.148.4 350 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8758	Details of cost for 10 Nos MATERIAL Stainless steel friction hinge of size 350 mm x 19 x 1.9 mm for uPVC windows	each	10.00	345.00	3450.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				3641.44 W
	Add 1 % Water charges on "W"				36.41
	TOTAL				3677.85 X
	Add GST on "X" (multiplying factor 0.1405)				516.74
	TOTAL				4194.59 Y
	Add 15% CPOH on "Y"				629.19
	TOTAL				4823.78 Z
	Add Cess @ 1% on "Z"				48.24
	Cost of 10 Nos				4872.02
	Cost of 1 No				487.20
	Say				487.20

9.148.5 400 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8759	Details of cost for 10 Nos MATERIAL Stainless steel friction hinge of size 400 mm x 19 x 1.9 mm for uPVC windows	each	10.00	365.00	3650.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0112	Carpenter 2nd class	day	0.14	679.00	95.06
0114	Beldar	day	0.14	558.00	78.12
	TOTAL				3841.44 W
	Add 1 % Water charges on "W"				38.41
	TOTAL				3879.85 X
	Add GST on "X" (multiplying factor 0.1405)				545.12
	TOTAL				4424.97 Y
	Add 15% CPOH on "Y"				663.75
	TOTAL				5088.72 Z
	Add Cess @ 1% on "Z"				50.89
	Cost of 10 Nos				5139.61
	Cost of 1 No				513.96
	Say				513.95

9.149 Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8750	Details of cost for 10 Nos MATERIAL Zinc alloy (white powder coated) casement handle for uPVC windows	each	10.00	130.00	1300.00
9977	Carriage of materials	L.S.	4.42	2.00	8.84
9999	Sundries(Screws)	L.S.	3.00	2.00	6.00
	LABOUR				
0156	Carpenter (average)	day	0.125	709.00	88.63
	TOTAL				1403.47 W
	Add 1 % Water charges on "W"				14.03
	TOTAL				1417.50 X
	Add GST on "X" (multiplying factor 0.1405)				199.16
	TOTAL				1616.66 Y
	Add 15% CPOH on "Y"				242.50
	TOTAL				1859.16 Z
	Add Cess @ 1% on "Z"				18.59
	Cost of 10 Nos				1877.75
	Cost of 1 No				187.77
	Say				187.75

9.150 Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 Nos				
	MATERIAL				
8751	Zinc alloy (white powder coated) Touch Lock for uPVC windows	each	10.00	105.00	1050.00
9977	Carriage of materials	L.S.	4.42	2.00	8.84
9999	Sundries(Screws)	L.S.	3.00	2.00	6.00
	LABOUR				
0156	Carpenter (average)	day	0.125	709.00	88.63
	TOTAL				1153.47 W
	Add 1 % Water charges on "W"				11.53
	TOTAL				1165.00 X
	Add GST on "X" (multiplying factor 0.1405)				163.68
	TOTAL				1328.68 Y
	Add 15% CPOH on "Y"				199.30
	TOTAL				1527.98 Z
	Add Cess @ 1% on "Z"				15.28
	Cost of 10 Nos				1543.26
	Cost of 1 No				154.33
	Say				154.35

9.151 Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 Nos				
	MATERIAL				
8752	Zinc alloy rollers for uPVC windows	each	10.00	56.00	560.00
9977	Carriage of materials	L.S.	4.42	2.00	8.84
9999	Sundries(Screws)	L.S.	3.00	2.00	6.00
	LABOUR				
0156	Carpenter (average)	day	0.125	709.00	88.63
	TOTAL				663.47 W
	Add 1 % Water charges on "W"				6.63
	TOTAL				670.10 X
	Add GST on "X" (multiplying factor 0.1405)				94.15
	TOTAL				764.25 Y
	Add 15% CPOH on "Y"				114.64
	TOTAL				878.89 Z
	Add Cess @ 1% on "Z"				8.79
	Cost of 10 Nos				887.67
	Cost of 1 No				88.77
	Say				88.75

9.152 Providing and fixing steel roller for uPVC sliding door with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 Nos				
	MATERIAL				
8753	Zinc alloy rollers for uPVC door	each	10.00	95.00	950.00
9977	Carriage of materials	L.S.	4.42	2.00	8.84
9999	Sundries(Screws)	L.S.	3.00	2.00	6.00
	LABOUR				
0156	Carpenter (average)	day	0.125	709.00	88.63
	TOTAL				1053.47 W
	Add 1 % Water charges on "W"				10.53
	TOTAL				1064.00 X
	Add GST on "X" (multiplying factor 0.1405)				149.49
	TOTAL				1213.49 Y
	Add 15% CPOH on "Y"				182.02
	TOTAL				1395.52 Z
	Add Cess @ 1% on "Z"				13.96
	Cost of 10 Nos				1409.47
	Cost of 1 No				140.95
	Say				140.95

9.153 Providing and fixing steel (white power coated) crescent lock for uPVC sliding window/ door with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 Nos				
	MATERIAL				
8754	Zinc alloy (white powder coated) casement lock for uPVC windows	each	10.00	115.00	1150.00
9977	Carriage of materials	L.S.	4.42	2.00	8.84
9999	Sundries(Screws)	L.S.	3.00	2.00	6.00
	LABOUR				
0156	Carpenter (average)	day	0.125	709.00	88.63
	TOTAL				1253.47 W
	Add 1 % Water charges on "W"				12.53
	TOTAL				1266.00 X
	Add GST on "X" (multiplying factor 0.1405)				177.87
	TOTAL				1443.87 Y
	Add 15% CPOH on "Y"				216.58
	TOTAL				1660.45 Z
	Add Cess @ 1% on "Z"				16.60
	Cost of 10 Nos				1677.06
	Cost of 1 No				167.71
	Say				167.70

- 9.154 Providing and fixing frame work for partitions/ wall lining etc. made of 50x50x1.6 mm hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically & horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/ floors with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc., including providing with two coats of approved steel primer etc. complete, all as per direction of Engineer-in-charge.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2.4x2.4 m panel= 5.76m ² or 58.35 Kg MATERIAL M.S.Pipe section @ 10.13 kg/sqm= 58.35 Kg+ Add 5% wastage = 2.92 Kg Total = 61.27 Kg				
4009	Mild steel tubes hot finished welded type	kilogram	61.27	57.00	3492.39
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt	each	20.00	15.00	300.00
	Steel primer				
13.50.3	5 x 2 x 2.40 x 0.05 x 4 = 4.80 sqm Rate as per Item No.13.50.3 of SH: FINISHING	sqm	4.80	50.70	243.36 A
	LABOUR				
0116	Fitter (grade 1)	day	0.40	738.00	295.20
0103	Blacksmith 2nd class	day	0.53	679.00	359.87
0114	Beldar	day	1.23	558.00	686.34
0100	Bandhani	day	0.06	617.00	37.02
9999	Sundries	L.S.	33.56	2.00	67.12
	TOTAL				5481.30 W
	Add 1 % Water charges on "W-A"				52.38
	TOTAL				5533.68 X
	Add GST on "X-A" (multiplying factor 0.1405)				743.29
	TOTAL				6276.97 Y
	Add 15% CPOH on "Y-A"				905.04
	TOTAL				7182.01 Z
	Add Cess @ 1% on "Z-A"				69.39
	Cost of 58.35 kg				7251.40
	Cost of 1 kg				124.27
	Say				124.25

- 9.155 Providing and fixing panelling or paneling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebated to be measured). Panelling for panelled and glazed shutters 25mm to 40mm thick: Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2484	Details of cost for 0.66 sqm Detail of cost for a door with 2/3rd paneling. 200 x 108 cm = 2.16 sqm Pannel area 4x45.1x36.55cm = 0.66 sqm MATERIAL Both side laminated 12mm thick MDF Board 4x47.2x38.65 cm = 0.73 sqm Adding 10% wastage = 0.07 sqm Total= 0.80 sqm Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	sqm	0.80	460.00	368.00
9999	Sundries (Carriage of MDF board)	L.S.	1.82	2.00	3.64
0111	LABOUR Carpenter 1 st class	day	0.57	738.00	420.66
9999	Sundries	L.S.	4.42	2.00	8.84
	TOTAL				801.14 W
	Add 1 % Water charges on "W"				8.01
	TOTAL				809.15 X
	Add GST on "X" (multiplying factor 0.1405)				113.69
	TOTAL				922.84 Y
	Add 15% CPOH on "Y"				138.43
	TOTAL				1061.26 Z
	Add Cess @ 1% on "Z"				10.61
	Cost of 0.66 sqm.				1071.88
	Cost of 1 sqm.				1624.05
	Say				1624.05

- 9.156 Providing and fixing Pre -laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately).**
- 9.156.1 Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 7.00 sqm Detail of cost for 350x200 cm = 7sqm MATERIAL 12 mm thick both side laminated board = 7.00 sqm Add for wastage @5% = 0.35 sqm Total= 7.35 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2484	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	sqm	7.35	460.00	3381.00
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.00	27.04
9999	Sundries and screws	L.S.	26.91	2.00	53.82
	LABOUR				
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				4630.96 W
	Add 1 % Water charges on "W"				46.31
	TOTAL				4677.27 X
	Add GST on "X" (multiplying factor 0.1405)				657.16
	TOTAL				5334.43 Y
	Add 15% CPOH on "Y"				800.16
	TOTAL				6134.59 Z
	Add Cess @ 1% on "Z"				61.35
	Cost of 7.00 sqm.				6195.94
	Cost of 1 sqm.				885.13
	Say				885.15

9.156.2 Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick confirming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2485	Detail of cost for 350x200 cm = 7 sqm MATERIAL 18 mm thick both side laminated board = 7.00 sqm Add for wastage @5% = 0.35 sqm Total= 7.35 sqm Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick confirming to IS:14587	sqm	7.35	597.00	4387.95
9999	Sundries (Carriage of MDF board)	L.S.	19.76	2.00	39.52
9999	Sundries and screws	L.S.	26.91	2.00	53.82
	LABOUR				
0112	Carpenter 2nd class	day	0.90	679.00	611.10
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				5650.39 W
	Add 1 % Water charges on "W"				56.50
	TOTAL				5706.89 X
	Add GST on "X" (multiplying factor 0.1405)				801.82
	TOTAL				6508.71 Y
	Add 15% CPOH on "Y"				976.31
	TOTAL				7485.02 Z
	Add Cess @ 1% on "Z"				74.85
	Cost of 7.00 sqm.				7559.87
	Cost of 1 sqm.				1079.98
	Say				1080.00

9.157 Providing and fixing Pre-laminated medium density fibre board IS: 14587:1998 marked, with one side decorative lamination other side balancing lamination Grade-I(exterior grade) in shelves with screws and fittings wherever required, edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand (fittings to be paid separately).

9.157.1 Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick confirming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2488	Details of cost for 0.60 sqm. Detail of cost for 4 Nos. 75x20 cm shelves = 0.60 sqm MATERIAL 18 mm Thick MDF Board out side laminated = 0.60 sqm Add wastage @ 5% = 0.03 sqm Total= 0.63 sqm Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick confirming to IS:14587	sqm	0.63	565.00	355.95
2489	PVC edge bending tape 2.00 mm thick 4X0.75 =3.00 metre	metre	3.00	20.00	60.00
9999	Sundries (Carriage of MDF board)	L.S.	0.91	2.00	1.82
	LABOUR				
0112	Carpenter 2nd class	day	0.11	679.00	74.69
0114	Beldar	day	0.06	558.00	33.48
9999	Sundries and screws	L.S.	7.80	2.00	15.60
	TOTAL				541.54 W
	Add 1 % Water charges on "W"				5.42
	TOTAL				546.96 X
	Add GST on "X" (multiplying factor 0.1405)				76.85
	TOTAL				623.80 Y
	Add 15% CPOH on "Y"				93.57
	TOTAL				717.37 Z
	Add Cess @ 1% on "Z"				7.17
	Cost of 0.60 sqm.				724.55
	Cost of 1 sqm.				1207.58
	Say				1207.60

9.157.2 Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 0.60 sqm. Detail of cost for 4 Nos. 75x20 cm shelves = 0.60 sqm MATERIAL 25 mm Thick MDF Board outside laminated = 0.60 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2486	Add wastage @ 5% = 0.03 sqm Total= 0.63 sqm Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587	sqm	0.63	860.00	541.80
2489	PVC edge bending tape 2.00 mm thick 4X 0.75 =3.00 metre	metre	3.00	20.00	60.00
9999	Sundries (Carriage of MDF board)	L.S.	1.82	2.00	3.64
	LABOUR				
0112	Carpenter 2nd class	day	0.11	679.00	74.69
0114	Beldar	day	0.06	558.00	33.48
9999	Sundries and screws	L.S.	7.80	2.00	15.60
	TOTAL				729.21 W
	Add 1 % Water charges on "W"				7.29
	TOTAL				736.50 X
	Add GST on "X" (multiplying factor 0.1405)				103.48
	TOTAL				839.98 Y
	Add 15% CPOH on "Y"				126.00
	TOTAL				965.98 Z
	Add Cess @ 1% on "Z"				9.66
	Cost of 0.60 sqm.				975.64
	Cost of 1 sqm.				1626.06
	Say				1626.05

9.158 Providing and fixing in wall lining medium density fibre board IS: 14587:1998 marked, Pre-laminated one side decorative lamination and other side balancing lamination, with necessary fixing arrangement and screws etc. complete.

9.158.1 12 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2487	Details of cost for 10.00 sqm MATERIAL 12 mm thick MDF Board Grade-I ,one side laminated = 10.00 sqm Add wastage @10 % = 1.00 sqm Total= 11.00 sqm Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	sqm	11.00	430.00	4730.00
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.00	27.04
9999	Sundries and screws	L.S.	26.91	2.00	53.82
	LABOUR				
0112	Carpenter 2nd class	day	1.28	679.00	869.12
0114	Beldar	day	1.43	558.00	797.94

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	25.00	1375.00
	TOTAL				7852.92 W
	Add 1 % Water charges on "W"				78.53
	TOTAL				7931.45 X
	Add GST on "X" (multiplying factor 0.1405)				1114.37
	TOTAL				9045.82 Y
	Add 15% CPOH on "Y"				1356.87
	TOTAL				10402.69 Z
	Add Cess @ 1% on "Z"				104.03
	Cost of 10.00 sqm.				10506.72
	Cost of 1 sqm.				1050.67
	Say				1050.65

9.158.2 18 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.00 sqm				
	MATERIAL				
	18 mm thick MDF Board Grade-I ,one side laminated = 10.00 sqm				
	Add wastage @10 % = 1.00 sqm				
	Total= 11.00 sqm				
2488	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I				
	MDF Board 18 mm thick confirming to IS:14587	sqm	11.00	565.00	6215.00
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.00	27.04
9999	Sundries and screws	L.S.	26.91	2.00	53.82
	LABOUR				
0112	Carpenter 2nd class	day	1.28	679.00	869.12
0114	Beldar	day	1.43	558.00	797.94
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	25.00	1375.00
	TOTAL				9337.92 W
	Add 1 % Water charges on "W"				93.38
	TOTAL				9431.30 X
	Add GST on "X" (multiplying factor 0.1405)				1325.10
	TOTAL				10756.40 Y
	Add 15% CPOH on "Y"				1613.46
	TOTAL				12369.86 Z
	Add Cess @ 1% on "Z"				123.70
	Cost of 10.00 sqm.				12493.55
	Cost of 1 sqm.				1249.36
	Say				1249.35

9.158.3 25 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2486	Details of cost for 10.00 sqm MATERIAL 25 mm thick MDF Board Grade-I, one side laminated = 10.00 sqm Add wastage @10 % = 1.00 sqm Total= 11.00 sqm Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587	sqm	11.00	860.00	9460.00
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.00	27.04
9999	Sundries and screws	L.S.	26.91	2.00	53.82
	LABOUR				
0112	Carpenter 2nd class	day	1.28	679.00	869.12
0114	Beldar	day	1.43	558.00	797.94
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	25.00	1375.00
	TOTAL				12582.92 W
	Add 1 % Water charges on "W"				125.83
	TOTAL				12708.75 X
	Add GST on "X" (multiplying factor 0.1405)				1785.58
	TOTAL				14494.33 Y
	Add 15% CPOH on "Y"				2174.15
	TOTAL				16668.48 Z
	Add Cess @ 1% on "Z"				166.68
	Cost of 10.00 sqm.				16835.16
	Cost of 1 sqm.				1683.52
	Say				1683.50

9.159 Providing and fixing 25mm thick pre-laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked with one side decorative and other side balancing lamination for cupboard shutters edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2486	Details of cost for 2.20 sqm (2.20 m x 1.00 m) MATERIAL Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587	sqm	2.20	860.00	1892.00
9999	Sundries (Carriage of MDF board) PVC edge bending tape 2.00 mm thick 2x(2.20+1.00)=6.40 metre	L.S.	26.94	2.00	53.88

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2489	PVC edge bending tape 2.00 mm thick Fitting for a door of 2.20 m x1.00 m Total = 2(2.20) = 4.40 metre	metre	6.40	20.00	128.00
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	4.40	39.00	171.60
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	1.25	36.00	45.00
	LABOUR For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	709.00	389.95
0114	Beldar	day	0.55	558.00	306.90
	TOTAL				2987.33 W
	Add 1 % Water charges on "W"				29.87
	TOTAL				3017.20 X
	Add GST on "X" (multiplying factor 0.1405)				423.92
	TOTAL				3441.12 Y
	Add 15% CPOH on "Y"				516.17
	TOTAL				3957.29 Z
	Add Cess @ 1% on "Z"				39.57
	Cost of 2.20 sqm.				3996.86
	Cost of 1 sqm.				1816.76
	Say				1816.75

9.160 Providing and fixing skirting with Pre-laminated medium density fibre board exterior grade (Grade-I) conforming to IS: 14587:1998 marked, with (one side decorative and other side balancing lamination and edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand with necessary fixing arrangements and screws, including drilling necessary holes for rawl plugs etc. all complete.

9.160.1 18 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 6.00 sqm Detail of cost for skirting 200 mm wide & 30 m long Area 0.20 m x30 m = 6.0 sqm Add wastage @ 10 % = 0.60 sqm Total = 6.60 sqm MATERIAL				
2488	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick confirming to IS:14587	sqm	6.60	565.00	3729.00
9999	Sundries (Carriage of MDF board)	L.S.	8.11	2.00	16.22
2489	PVC edge bending tape 2.00 mm thick	metre	30.00	20.00	600.00
7048	Rawl plug 50 mm (designation 10 nos)	each	102.00	25.00	2550.00
9999	Sundries (Labour for drilling hole)	L.S.	130.00	2.00	260.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.77	679.00	522.83
0114	Beldar	day	0.86	558.00	479.88
9999	Sundries (screws and sand paper)	L.S.	53.82	2.00	107.64
	TOTAL				8265.57 W
	Add 1 % Water charges on "W"				82.66
	TOTAL				8348.23 X
	Add GST on "X" (multiplying factor 0.1405)				1172.93
	TOTAL				9521.15 Y
	Add 15% CPOH on "Y"				1428.17
	TOTAL				10949.32 Z
	Add Cess @ 1% on "Z"				109.49
	Cost of 6.00 sqm.				11058.82
	Cost of 1 sqm.				1843.14
	Say				1843.15

9.160.2 25 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 6.00 sqm Detail of cost for skirting 200 mm wide & 30 m long Area 0.20 mx30 m = 6.0 sqm Add wastage @ 10 % = 0.60 sqm Total = 6.60 sqm MATERIAL				
2486	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587	sqm	6.60	860.00	5676.00
9999	Sundries (Carriage of MDF board)	L.S.	8.11	2.00	16.22
2489	PVC edge bending tape 2.00 mm thick	metre	30.00	20.00	600.00
7048	Rawl plug 50 mm (designation 10 nos)	each	102.00	25.00	2550.00
9999	Sundries (Labour for drilling hole)	L.S.	130.00	2.00	260.00
	LABOUR				
0112	Carpenter 2nd class	day	0.77	679.00	522.83
0114	Beldar	day	0.86	558.00	479.88
9999	Sundries (screws and sand paper)	L.S.	53.82	2.00	107.64
	TOTAL				10212.57 W
	Add 1 % Water charges on "W"				102.13
	TOTAL				10314.70 X
	Add GST on "X" (multiplying factor 0.1405)				1449.21
	TOTAL				11763.91 Y
	Add 15% CPOH on "Y"				1764.59
	TOTAL				13528.50 Z
	Add Cess @ 1% on "Z"				135.28
	Cost of 6.00 sqm.				13663.78
	Cost of 1 sqm.				2277.30
	Say				2277.30

- 9.161 Providing and fixing fire resistant door frame of section 50 x 60 mm on horizontal side & 35 x 60 mm on vertical sides having built in rebate made out of 1.6 mm thick GI sheet (Zinc coating not less than 120gm/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).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8017	Details of cost for 5.81 metre (2.05 + 1.71 + 2.05) (Door size- 1710 x 2050 mm) MATERIAL: Fire Rated door Frame made with 1.6 mm thick G.I. Sheet (120 minutes)	metre	5.81	1000.00	5810.00
9999	LABOUR: For fixing in position all complete	L.S.	130.00	2.00	260.00
9999	Sundries and carriage (Fasteners, sims, Hole Plugs etc)	L.S.	250.00	2.00	500.00
	TOTAL				6570.00 W
	Add 1 % Water charges on "W"				65.70
	TOTAL				6635.70 X
	Add GST on "X" (multiplying factor 0.1405)				932.32
	TOTAL				7568.02 Y
	Add 15% CPOH on "Y"				1135.20
	TOTAL				8703.22 Z
	Add Cess @ 1% on "Z"				87.03
	Cost of 5.81 metre				8790.25
	Cost of 1 metre				1512.95
	Say				1512.95

- 9.162 Providing and fixing 60 mm thick glazed fire resistant door shutters of 120 min 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 mounting on door frame, consisting of vertical styles, top rail & side rail 60 mm x 60 mm wide and bottom rail of 110 mm x 60 mm made out of 1.6mm thick G.I. sheet (zinc coating not less than 120gm/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 seperately).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.50 sqm (Door size- 1710 x 2050 mm) material				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8018	MATERIAL: Fire Rated door shutter made with 1.6 mm thick Sheet (120 minutes), including hinges but without glass panels but including wastages	sqm	3.50	5000.00	17500.00
8101	Stainless steel ball bearing hinges of size 100x89x3mm	each	8.00	450.00	3600.00
9999	LABOUR: For fixing in position all complete	L.S.	130.00	2.00	260.00
9999	Sundries and carriage	L.S.	280.00	2.00	560.00
	TOTAL				21920.00 W
	Add 1 % Water charges on "W"				219.20
	TOTAL				22139.20 X
	Add GST on "X" (multiplying factor 0.1405)				3110.56
	TOTAL				25249.76 Y
	Add 15% CPOH on "Y"				3787.46
	TOTAL				29037.22 Z
	Add Cess @ 1% on "Z"				290.37
	Cost of 3.5 sqm				29327.59
	Cost of 1 sqm				8379.31
	Say				8379.30

9.163 Providing and fixing non load bearing fixed frame for fire resistant glazed Partition for 120 minutes Fire Rating, made out to a profile of dimension 60mm x 70 mm of 1.6 mm thick galvanised steel sheet as per test evidence suitable for fixing fire rated glass for 120 minutes of both integrity & radiation control (EW120) & minimum 20 minutes of insulation (EI20).The profile has to be fixed to the supporting construction by means of anchor fasteners of size M10 x 80, every 150 mm from the edges and every 500 mm (approx) c/c. Linear measurement of frame shall be measured for payment. The frame shall be filled with mineral wool insulation of density 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.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8017	Details of cost for 5.81 metre (2.05 + 1.71 + 2.05) (Door size- 1710 x 2050 mm) MATERIAL: Fire Rated door Frame made with 1.6 mm thick G.I. Sheet (120 minutes)	metre	5.81	1000.00	5810.00
9999	LABOUR: For fixing in position all complete	L.S.	130.00	2.00	260.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and carriage (Fasteners, sims, Hole Plugs etc)	L.S.	250.00	2.00	500.00
	TOTAL				6570.00 W
	Add 1 % Water charges on "W"				65.70
	TOTAL				6635.70 X
	Add GST on "X" (multiplying factor 0.1405)				932.32
	TOTAL				7568.02 Y
	Add 15% CPOH on "Y"				1135.20
	TOTAL				8703.22 Z
	Add Cess @ 1% on "Z"				87.03
	Cost of 5.81 mtere				8790.25
	Cost of 1 metre				1512.95
	Say				1512.95

- 9.164 Providing and fixing glazing in fire resistant door shutters, fixed panels & partitions etc., with G.I. beading made out of 1.6 mm thick G.I. sheet (zinc coating not less than 120 gm/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):2016 and as per direction of Engineer-in-charge with glass of required thickness having 120 minutes of fire resistance both integrity & radiation control (EW120) and minimum 20 minutes of insulation (EI20). The manufacturer have to give test report/certification of fire glass and the glass should have the stamp showing the value of E, EW & EI. The glass shall be tested in approved NABL accredited lab or by any other accreditation body which operates in accordance with ISO/IEC 17011 and accredits labs as per ISO/IEC 17025 for testing and calibration scopes shall be eligible. The maximum glazing size shall not be more than 1100x2200 mm (w x h) or 2.42 sqm.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2640	Details of cost for Glazing portion 2.46 sqm (Door size 1710 mm x 2050 mm) Glazing area- 2x0.679x1.808= 2.46 sqm MATERIAL: Glass panes of required thickness having 120 minutes of fire resistance both integrity and radiation control (EW 120) and minimum 20 minutes of Insulation (EI 20)	sqm	2.46	25000.00	61500.00
2641	G.I. U beading of 1.6 mm thick G.I. Sheet with M4x38mm SS screws	metre	9.91	245.00	2427.95
2642	Ceramic tape 5x20 mm size	metre	19.82	410.00	8126.20
	LABOUR:				
9999	For fixing in position all complete	L.S.	180.00	2.00	360.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries and carriage & Calcium Silicate Blocks	L.S.	10.00	2.00	20.00
	TOTAL				72434.15 W
	Add 1 % Water charges on "W"				724.34
	TOTAL				73158.49 X
	Add GST on "X" (multiplying factor 0.1405)				10278.77
	TOTAL				83437.26 Y
	Add 15% CPOH on "Y"				12515.59
	TOTAL				95952.85 Z
	Add Cess @ 1% on "Z"				959.53
	Cost of 2.46 sqm				96912.38
	Cost of 1 sqm				39395.28
	Say				39395.30

9.165 Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.

9.165.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten nos (125 mm)				
0554	MATERIAL Stainless steel fancy handles (125mm) for kitchen cabinet	10 Nos	1.00	640.00	640.00
8214	SS screws 20mm	100 Nos.	0.40	125.00	50.00
9999	Carriage of material	LS	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.06	738.00	44.28
	TOTAL				737.92 W
	Add 1 % Water charges on "W"				7.38
	TOTAL				745.30 X
	Add GST on "X" (multiplying factor 0.1405)				104.71
	TOTAL				850.01 Y
	Add 15% CPOH on "Y"				127.50
	TOTAL				977.52 Z
	Add Cess @ 1% on "Z"				9.78
	Cost for 10nos				987.29
	Cost for1 no				98.73
	Say				98.75

9.165.2 100mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten nos (100 mm)				
0553	MATERIAL Stainless steel fancy handles (100 mm) for kitchen cabinet	10 Nos	1.00	455.00	455.00
8214	SS screws 20mm	100 Nos.	0.40	125.00	50.00
9999	Carriage of material	LS	1.82	2.00	3.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
	Carpenter 1st class	day	0.06	738.00	44.28
	TOTAL				552.92 W
	Add 1 % Water charges on "W"				5.53
	TOTAL				558.45 X
	Add GST on "X" (multiplying factor 0.1405)				78.46
	TOTAL				636.91 Y
	Add 15% CPOH on "Y"				95.54
	TOTAL				732.45 Z
	Add Cess @ 1% on "Z"				7.32
	Cost for 10nos				739.77
	Cost for1 no				73.98
	Say				74.00

9.165.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten nos (75 mm)				
	MATERIAL				
0552	Stainless steel fancy handles (75mm) for kitchen cabinet	10 Nos	1.00	255.00	255.00
8214	SS screws 20mm	100 Nos.	0.40	125.00	50.00
9999	Carriage of material	LS	1.82	2.00	3.64
	LABOUR				
0111	Carpenter 1st class	day	0.06	738.00	44.28
	TOTAL				352.92 W
	Add 1 % Water charges on "W"				3.53
	TOTAL				356.45 X
	Add GST on "X" (multiplying factor 0.1405)				50.08
	TOTAL				406.53 Y
	Add 15% CPOH on "Y"				60.98
	TOTAL				467.51 Z
	Add Cess @ 1% on "Z"				4.68
	Cost for 10nos				472.18
	Cost for1 no				47.22
	Say				47.20

SUB HEAD : 10.0
STEEL WORK

10.1 Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one quintal MATERIAL Steel = 1.00q Add wastage @ 5% = 0.05q Total = 1.05q				
1007	Structurals such as tees,angles channels and R.S. joists	quintal	1.05	4600.00	4830.00
2205	Carriage of Steel	tonne	0.105	92.24	9.69
	LABOUR				
0116	Fitter (grade 1)	day	0.50	738.00	369.00
0103	Blacksmith 2nd class	day	0.75	679.00	509.25
0114	Beldar	day	1.00	558.00	558.00
	Priming Coat				
13.50.3	Rate as per Item Number 13.50.3 of SH:Finishing	sqm	3.00	50.70	152.10 A
9999	Sundries	L.S.	20.67	2.00	41.34
	TOTAL				6469.38 W
	Add 1 % Water charges on "W-A"				63.17
	TOTAL				6532.55 X
	Add GST on "X-A" (multiplying factor 0.1405)				896.45
	TOTAL				7429.00 Y
	Add 15% CPOH on "Y-A"				1091.54
	TOTAL				8520.54 Z
	Add Cess @ 1% on "Z-A"				83.68
	Cost of 1quintal				8604.22
	Cost of 1 Kg.				86.04
	Say				86.05

10.2 Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a truss 7.6m clear span (weight = 3.95 quintal) MATERIAL (i) Principal rafter (T-iron) 100x100x10mm @15kg/m = 142.50Kg+ Struts (angles)40x40x6mm 2x1.35=2.70m @ 3.5kg/m = 9.45kg Total =151.95kg+ Add wastage @ 5% = 7.60kg Total = 159.55kg. = 1.60q				
1007	Structurals such as tees,angles channels and R.S. joists	quintal	1.60	4600.00	7360.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1009	(ii) Ties (flats) 50x12mm 2x2.7 = 5.4m @4.7kg/m = 25.38kg+ Ties central (flats) 50x10mm 1x2.28 = 2.8m @3.90kg/m = 10.92kg.+ Braces (flats)40x10mm 2x1.84 = 3.68m @3.9kg/m = 14.35kg. Total = 50.65kg+ Add wastage @ 5% = 2.53kg. Total = 53.18kg. = 0.53q Flats exceeding 10 mm in thickness (iii) Gusset plates 10mm thick 1x0.74x0.35m = 0.259sqm.+ shoe 4x0.46x0.46 = 0.845sqm. Total = 1.104 sqm. 1.104sqm.@ 78.4kg/m = 86.55kg. 12mm plates at the point of principal rafter and strut- 2x0.3x0.2 = 0.12sqm.+ Tie beam, brace and strut- 2x0.5x0.3 = 0.30sqm.+ Sole plates- 2x0.46x0.46 = 0.42sqm.+ Anchor plate- 2x0.46x0.1 = 0.09sqm. Total = 0.93 sqm. Say 1.00 sqm. 1.0sqm. @ 94.4kg/m = 94.40kg. Total = 180.95kg. Add wastage @ 5% = 9.05kg. Total = 190.00kg or 1.90q	quintal	0.53	4600.00	2438.00
1010	Mild steel plates (iv) 16mm dia. 50mm long rivets = 56 nos.+ Add wastage @ 5 % = 2.8 nos. Total = 58.8 nos.	quintal	1.90	4800.00	9120.00
1020	Mild steel rivets (v) 20mm dia. holding down bolts 4 Nos.x460mm = 1840mm + Add wastage @ 5% = 92mm Total =1932 mm	quintal	0.0684	5000.00	342.00
1221	20 mm dia holding down bolts	quintal	0.0529	6100.00	322.69
2205	Carriage of Steel (0.160+0.053+0.091 +0.099+ 0.007+0.005) =0.415 tonne LABOUR	tonne	0.415	92.24	38.28
0116	Fitter (grade 1)	day	2.70	738.00	1992.60
0103	Blacksmith 2nd class	day	3.60	679.00	2444.40
0139	Skilled Beldar (for floor rubbing etc.)	day	5.40	617.00	3331.80
0114	Beldar	day	3.60	558.00	2008.80
0100	Bandhani Applying priming coat- T.Iron 9.5x0.4 = 3.80sqm.+ Struts 2.70x0.16 = 0.43sqm.+ Ties 5.4x0.124 = 0.67sqm.+	day	0.44	617.00	271.48

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.3	Braces $2 \times 1.84 \times 0.12 = 0.44$ sqm.+ Ties $2.8 \times 0.12 = 0.34$ sqm. Total = 5.68 sqm. Rate as per item no 13.50.3 of				
9999	SH : Finishing	sqm	5.68	50.70	287.98 A
	Sundries	L.S.	80.73	2.00	161.46
	TOTAL				30119.49 W
	Add 1 % Water charges on "W-A"				298.32
	TOTAL				30417.80 X
	Add GST on "X-A" (multiplying factor 0.1405)				4233.24
	TOTAL				34651.04 Y
	Add 15% CPOH on "Y-A"				5154.46
	TOTAL				39805.50 Z
	Add Cess @ 1% on "Z-A"				395.18
	Cost for 3.95 quintal				40200.68
	Cost of per kg.				101.77
	Say				101.75

10.3 Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Details of cost for a gate $2.4 \times 1.5 \text{m} = 3.6 \text{sqm}$. MATERIAL M.S. channels 18 Nos. on both sides $20 \times 10 \times 2 \text{mm} @ 0.56 \text{kg/m}$ $2 \times 18 \times 2.4 = 86.40 \text{m}+$ Add wastage @ 10% = 8.64m Total = 95.04m $95.04 \text{m} @ 0.56 \text{kg/m} = 53.22 \text{kg} = 0.53 \text{q}$ Structurals such as tees, angles channels and R.S. joists M.S. Tee- $40 \times 40 \times 6 \text{mm}$ for bottom- $1.570 \text{m}+$ for top = 1.725m Total = 3.295m Say 3.3m $3.3 \text{m} @ 3.5 \text{kg/m} = 11.55 \text{kg}+$ Add wastage @ 10% = 1.155Kg . Total = 12.705Kg . Say 0.13q	quintal	0.53	4600.00	2438.00
1007	Structurals such as tees, angles channels and R.S. joists 20mmx5mm flat iron diagonals 4 Nos. $4 \times 32 \times 0.5334 = 68.275 \text{m}$ $68.275 \text{m} @ 0.8 \text{kg/m} = 54.62 \text{kg}+$ Add wastage @ 10% = 5.46kg Total = $60.08 \text{kg} = 0.60 \text{q}$	quintal	0.13	4600.00	598.00
1008	Flats upto 10 mm in thickness	quintal	0.60	4500.00	2700.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2205	Carriage of Steel (0.053+0.013+0.060=0.126 tonne)	tonne	0.126	92.24	11.62
9999	Cost of rivets fixing hooks and washers	L.S.	269.10	2.00	538.20
9999	Cost of locking arrangements and handles	L.S.	67.34	2.00	134.68
4013	Pully 40 mm dia	each	10.00	30.00	300.00
	Priming coat- Channel - 36x0.076x2.4 = 6.57sqm.+ Tee-0.16x3.3 = 0.53sqm.+ Flats-0.05x68 = 3.40sqm. Total = 10.50sqm.				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	10.50	50.70	532.35 A
0116	Fitter (grade 1)	day	3.00	738.00	2214.00
0102	Blacksmith 1st class	day	6.00	738.00	4428.00
0103	Blacksmith 2nd class	day	6.00	679.00	4074.00
0123	Mason (brick layer) 1st class	day	0.50	738.00	369.00
0124	Mason (brick layer) 2nd class	day	0.50	679.00	339.50
0114	Beldar	day	8.00	558.00	4464.00
9999	Sundries	L.S.	161.46	2.00	322.92
	TOTAL				23464.27 W
	Add 1 % Water charges on "W-A"				229.32
	TOTAL				23693.59 X
	Add GST on "X-A" (multiplying factor 0.1405)				3254.15
	TOTAL				26947.75 Y
	Add 15% CPOH on "Y-A"				3962.31
	TOTAL				30910.06 Z
	Add Cess @ 1% on "Z-A"				303.78
	Cost of 3.6sqm.				31213.83
	Cost per sqm.				8670.51
	Say				8670.50

10.4 Providing and fixing 1 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T- iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1013	Details of cost for one double leaf door size 2.4x2.4m = 5.76sqm. MATERIAL (i) M.S. sheet 1mm thick 5.76sqm. @ 7.85kg/sqm. = 45.216kg.+ Add wastage @ 10% = 4.522kg. Total = 49.738kg = 0.497 q Mild steel sheets for tanks (ii) Gusset plates 3.00mm thick Area of one gusset plates 0.3x0.04 = 0.0120+	quintal	0.497	4600.00	2286.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1010	$1/2 \times 0.26(0.04+0.3) = 0.0442$ Total = 0.0562sqm.+ $8 \times 0.0562 = 0.4496\text{sqm.}$ $2 \times 22/7 \times 1/4 \times 0.3 \times 0.3 = 0.1414\text{sqm.}$ Total = 0.5910sqm. $0.5910\text{sqm.} \times 23.55\text{kg/sqm.} = 13.92\text{kg.}$ Add wastage @ 10% = 1.39kg Total = 15.31kg. or 0.153q Mild steel plates (iii) Angle iron $40 \times 40 \times 6\text{mm} @ 3.5\text{kg/m}$ Sides- $4 \times 2.4 = 9.6\text{m}+$ Bottom & top $4 \times 1.2 = 4.8\text{m}+$ Diagonals- $2 \times 2.5 = 5.0\text{m}+$ $2 \times 2.45 = 4.9\text{m}+$ Top and bottom guides $2 \times 4.8 = 9.6\text{m}$ Top guide supports $7 \times 0.8 = 2.1\text{m}$ Total = 36.0m $36\text{m} @ 3.5\text{kg. per m.} = 126\text{kg.}$ Add wastage @ 10% = 12.6kg. Total = 138.6kg. or 1.39q	quintal	0.153	4800.00	734.40
1007	Structurals such as tees,angles channels and R.S. joists Channel $25 \times 25 \times 6\text{mm} @ 3.05\text{kg/m}$ Bottom-2.4m : 2.4×3.05 Channel $40 \times 40 \times 6\text{mm} @ 5.56\text{kg/m}$ $0.5 \times 5.56 = 2.78\text{kg.}$ Total = 10.1kg.+ Add wastage @ 10% = 1.101kg. Total = 11.11kg. or 0.11q	quintal	1.39	4600.00	6394.00
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.11	4600.00	506.00
2205	Carriage of Steel ($0.0497+0.015+0.139+0.11=0.2157$ tonne)	tonne	0.216	92.24	19.92
9999	(iv) Pully guide blocks including drilling holes	L.S.	269.10	2.00	538.20
0969	Pully 25 mm dia	each	8.00	48.00	384.00
9999	(vi) Handles and locking arrangements	L.S.	167.75	2.00	335.50
9999	(vii) Bolts and rivets	L.S.	269.10	2.00	538.20
9999	(viii)Cement concrete	L.S.	13.52	2.00	27.04
13.50.3	Priming coat- M.S. Sheet $2 \times 5.76 = 11.52+$ Angle iron $0.16 \times 36 = 5.76+$ Channel- $0.15 \times 2.4 = 0.36+$ $0.24 \times 0.5 = 0.12$ Total = 17.76 Say 18.0sqm. Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	18.00	50.70	912.60 A
0116	Fitter (grade 1)	day	2.00	738.00	1476.00
0102	Blacksmith 1st class	day	3.00	738.00	2214.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0103	Blacksmith 2nd class	day	4.00	679.00	2716.00
0114	Beldar	day	4.00	558.00	2232.00
0123	Mason (brick layer) 1st class	day	0.06	738.00	44.28
0124	Mason (brick layer) 2nd class	day	0.06	679.00	40.74
9999	Sundries	L.S.	161.46	2.00	322.92
	TOTAL				21722.00 W
	Add 1 % Water charges on "W-A"				208.09
	TOTAL				21930.10 X
	Add GST on "X-A" (multiplying factor 0.1405)				2952.96
	TOTAL				24883.06 Y
	Add 15% CPOH on "Y-A"				3595.57
	TOTAL				28478.62 Z
	Add Cess @ 1% on "Z-A"				275.66
	Cost of 5.76 sqm.				28754.29
	Cost per sqm.				4992.06
	Say				4992.05

- 10.5 Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.**
- 10.5.1 Using M.S. angels 40x40x6 mm for diagonal braces**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1013	Details of cost for a double leaf door of size 2.4mx2.4m=5.76sqm. MATERIAL (i) M.S. sheet 1mm thick 5.76sqm. @ 7.85kg/sqm. = 45.216kg.+ Add wastage @ 10% = 4.522kg. Total = 49.738kg = 0.497 q Mild steel sheets for tanks (ii) Gusset plates 3.00mm thick Area of one gusset plates 0.3x0.04 = 0.0120+ 1/2x0.26(0.04+0.3) = 0.0442 Total = 0.0562sqm.+ 8x0.0562 = 0.4496sqm.+ 2x22/7x1/4x0.3x0.3=0.1414sqm. Total = 0.5910sqm. 0.5910sqm.@23.55kg/sqm.=13.92kg.+ Add wastage @ 10% = 1.39kg Total = 15.31kg. or 0.153q	quintal	0.497	4600.00	2286.20
1013	Mild steel sheets for tanks (iii) Angle iron:40x40x6mm @3.5kg/m Sides-4x2.40 = 9.6m+ Top & bottom-4x1.20=4.8m+ Diagonals-2x2.5=5.0m+ 2x2.45 = 4.9m+ Total = 24.30m+	quintal	0.153	4600.00	703.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Add wastage @ 10% = 2.43m Total =26.73m 26.73m @ 3.5kg. per m. = 93.56kg=0.936q Structurals such as tees,angles channels and R.S. joists	quintal	0.936	4600.00	4305.60
2205	Carriage of Steel (0.0497+0.0153+0.0936 tonne) = 0.1586 t	tonne	0.1586	92.24	14.63
1036	Iron pintels including welded pin	each	4.00	37.00	148.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	4.00	120.00	480.00
1019	Mild steel hooks	each	2.00	32.00	64.00
9999	Locking arrangements and handles	L.S.	167.70	2.00	335.40
9999	Rivets	L.S.	269.10	2.00	538.20
	Priming coat- M.S. sheet = 11.52 Angle iron-0.16x24.3 = 3.89 Total = 15.41				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	15.41	50.70	781.29 A
0116	Fitter (grade 1)	day	2.00	738.00	1476.00
0102	Blacksmith 1st class	day	3.00	738.00	2214.00
0103	Blacksmith 2nd class	day	4.00	679.00	2716.00
0123	Mason (brick layer) 1st class	day	0.06	738.00	44.28
0124	Mason (brick layer) 2nd class	day	0.06	679.00	40.74
0114	Beldar	day	5.00	558.00	2790.00
9999	Sundries	L.S.	161.46	2.00	322.92
	TOTAL				19261.06 W
	Add 1 % Water charges on "W-A"				184.80
	TOTAL				19445.85 X
	Add GST on "X-A" (multiplying factor 0.1405)				2622.37
	TOTAL				22068.23 Y
	Add 15% CPOH on "Y-A"				3193.04
	TOTAL				25261.27 Z
	Add Cess @ 1% on "Z-A"				244.80
	Cost of 5.76 sqm.				25506.07
	Cost per sqm.				4428.14
	Say				4428.15

10.5.2 Using flats 30x6mm for diagonal braces and central cross piece

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a double leaf door of size 2.4x2.4m = 5.76sqm. MATERIAL (i) M.S. sheet 1mm thick 5.76sqm. @ 7.85kg/sqm. = 45.216kg.+ Add wastage @ 10% = 4.522kg. Total = 49.738kg = 0.497 q				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1013	Mild steel sheets for tanks (ii) Gussets plates-3.00mm thick vide (ii) in item 10.6 = 0.5910sqm.+ at mid height = 4x0.0528 = 0.2112sqm. Total = 0.8022sqm.+ Add wastage @ 10% = 0.0802sqm. Total =0.8824sqm.@ 23.55 kg/sqm = 20.78 kg Grand Total = 0.2078 qtl	quintal	0.497	4600.00	2286.20
1010	Mild steel plates (iii) Angle iron:40x40x6mm @3.5kg/m Sides-4x2.40 = 9.6m+ Top & bottom-4x1.20=4.8m+ Total = 14.40m+ Add wastage @ 10% = 1.44m Total = 15.84m 15.84m @ 3.5kg. per m. = 55.44kg = 0.554qtl	quintal	0.2078	4800.00	997.44
1007	Structurals such as tees, angles channels and R.S. joists (iv) Flats 30x6mm @1.4kg/m 4x2.45=9.80m+ 2x1.20=2.40m Total = 12.20m+ Add wastage @ 10% = 1.22m Total = 13.42m 13.42m @ 1.4kg. per m. = 18.788kg. = 0.188q	quintal	0.554	4600.00	2548.40
1008	Flats upto 10 mm in thickness Carriage of (i) (ii) and (iv) 0.0497+0.0208+0.0554+0.0188= 0.1447 tonne	quintal	0.188	4500.00	846.00
2205	Carriage of Steel	tonne	0.1447	92.24	13.35
1036	Iron pintels including welded pin	each	4.00	37.00	148.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	4.00	120.00	480.00
1019	Mild steel hooks	each	2.00	32.00	64.00
9999	Locking arrangements and handles	L.S.	167.70	2.00	335.40
9999	Rivets	L.S.	269.10	2.00	538.20
	Applying priming coat- M.S. sheet = 11.52 Angle iron-0.16x24.3 = 3.89 0.16x14.40 = 2.30+ Flats 0.072x12.2 = 0.88 Total = 14.70sqm.				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	14.70	50.70	745.29 A
0116	Fitter (grade 1)	day	2.00	738.00	1476.00
0102	Blacksmith 1st class	day	3.00	738.00	2214.00
0103	Blacksmith 2nd class	day	4.00	679.00	2716.00
0123	Mason (brick layer) 1st class	day	0.06	738.00	44.28
0124	Mason (brick layer) 2nd class	day	0.06	679.00	40.74
0114	Beldar	day	5.00	558.00	2790.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	161.46	2.00	322.92
	TOTAL				18606.22 W
	Add 1 % Water charges on "W-A"				178.61
	TOTAL				18784.83 X
	Add GST on "X-A" (multiplying factor 0.1405)				2534.55
	TOTAL				21319.38 Y
	Add 15% CPOH on "Y-A"				3086.11
	TOTAL				24405.49 Z
	Add Cess @ 1% on "Z-A"				236.60
	Cost of 5.76 sqm.				24642.10
	Cost per sqm.				4278.14
	Say				4278.15

- 10.6 Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.**
- 10.6.1 80x1.25 mm M.S. laths with 1.25 mm thick top cover**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a shutter of size 3mx2.5m = 7.5sqm.				
	MATERIAL				
0973	Rolling shutter made of 80x1.25 mm machine rolled laths	sqm	7.50	1400.00	10500.00
0974	Top cover for rolling shutters 1.25 mm thick	metre	2.50	800.00	2000.00
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	300.00	300.00
9977	CARRIAGE	L.S.	53.82	2.00	107.64
	LABOUR				
0116	Fitter (grade 1)	day	2.55	738.00	1881.90
0114	Beldar	day	2.55	558.00	1422.90
0123	Mason (brick layer) 1st class	day	0.12	738.00	88.56
0124	Mason (brick layer) 2nd class	day	0.12	679.00	81.48
9999	Sundries	L.S.	60.58	2.00	121.16
	TOTAL				16503.64 W
	Add 1 % Water charges on "W"				165.04
	TOTAL				16668.68 X
	Add GST on "X" (multiplying factor 0.1405)				2341.95
	TOTAL				19010.63 Y
	Add 15% CPOH on "Y"				2851.59
	TOTAL				21862.22 Z
	Add Cess @ 1% on "Z"				218.62
	Cost of 7.5sqm.				22080.84
	Cost per sqm.				2944.11
	Say				2944.10

10.6.2 80x1.20 mm M.S. laths with 1.20 mm thick top cover

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a shutter of size 3mx2.5m = 7.5sqm.				
	MATERIAL				
7045	Rolling shutters of 80x1.2 mm laths	sqm	7.50	1375.00	10312.50
7047	Top cover of Rolling shutters 1.20 mm thick	metre	2.50	560.00	1400.00
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	300.00	300.00
9977	CARRIAGE	L.S.	53.82	2.00	107.64
	LABOUR				
0116	Fitter (grade 1)	day	2.55	738.00	1881.90
0114	Beldar	day	2.55	558.00	1422.90
0123	Mason (brick layer) 1st class	day	0.12	738.00	88.56
0124	Mason (brick layer) 2nd class	day	0.12	679.00	81.48
9999	Sundries	L.S.	60.58	2.00	121.16
	TOTAL				15716.14 W
	Add 1 % Water charges on "W"				157.16
	TOTAL				15873.30 X
	Add GST on "X" (multiplying factor 0.1405)				2230.20
	TOTAL				18103.50 Y
	Add 15% CPOH on "Y"				2715.53
	TOTAL				20819.03 Z
	Add Cess @ 1% on "Z"				208.19
	Cost of 7.5sqm.				21027.22
	Cost per sqm.				2803.63
	Say				2803.65

10.6.3 80x0.90 mm M.S. laths with 0.90 mm thick top cover

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a shutter of size 3mx2.5m = 7.5sqm.				
	MATERIAL				
7044	Rolling shutters of 80x0.90 mm laths	sqm	7.50	1300.00	9750.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	2.50	450.00	1125.00
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	300.00	300.00
9977	CARRIAGE	L.S.	53.82	2.00	107.64
	LABOUR				
0116	Fitter (grade 1)	day	2.55	738.00	1881.90
0114	Beldar	day	2.55	558.00	1422.90
0123	Mason (brick layer) 1st class	day	0.12	738.00	88.56
0124	Mason (brick layer) 2nd class	day	0.12	679.00	81.48

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	60.58	2.00	121.16
	TOTAL				14878.64 W
	Add 1 % Water charges on "W"				148.79
	TOTAL				15027.43 X
	Add GST on "X" (multiplying factor 0.1405)				2111.35
	TOTAL				17138.78 Y
	Add 15% CPOH on "Y"				2570.82
	TOTAL				19709.60 Z
	Add Cess @ 1% on "Z"				197.10
	Cost of 7.5sqm.				19906.69
	Cost per sqm.				2654.23
	Say				2654.25

10.7 Providing and fixing ball bearing for rolling shutters.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0976	Details of cost for 1 No.	each	1.00	260.00	260.00
9999	Ball bearing for rolling shutters	L.S.	26.91	2.00	53.82
	Sundries				313.82 W
	TOTAL				3.14
	Add 1 % Water charges on "W"				316.96 X
	TOTAL				44.53
	Add GST on "X" (multiplying factor 0.1405)				361.49 Y
	TOTAL				54.22
	Add 15% CPOH on "Y"				415.71 Z
	TOTAL				4.16
	Add Cess @ 1% on "Z"				419.87
	Cost of 1 no.				419.85
	Say				

10.8 Extra for providing mechanical device chain and crank operation for operating rolling shutters.

10.8.1 Exceeding 10.00 sqm and upto 16.80 sqm in the area

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0977	Details of cost for one sqm.				
	Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding 10.00 sq.m and upto 16.80 sq.m area of door	sqm	1.00	800.00	800.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				827.04 W
	Add 1 % Water charges on "W"				8.27
	TOTAL				835.31 X
	Add GST on "X" (multiplying factor 0.1405)				117.36
	TOTAL				952.67 Y
	Add 15% CPOH on "Y"				142.90
	TOTAL				1095.57 Z
	Add Cess @ 1% on "Z"				10.96
	Cost of 1 sqm.				1106.53
	Say				1106.55

10.8.2 Exceeding 16.80 sqm in area

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0978	Details of cost for one sqm. Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding 16.80 sq.m area of door	sqm	1.00	800.00	800.00
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				827.04 W
	Add 1 % Water charges on "W"				8.27
	TOTAL				835.31 X
	Add GST on "X" (multiplying factor 0.1405)				117.36
	TOTAL				952.67 Y
	Add 15% CPOH on "Y"				142.90
	TOTAL				1095.57 Z
	Add Cess @ 1% on "Z"				10.96
	Cost of 1 sqm.				1106.53
	Say				1106.55

10.9 Extra for providing grided rolling shutters manufactured out of 8 mm dia M.S. bar instead of laths as per design approved by Engineer-in- charge, (area of grill to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a shutter of width 2.5m and grill height 0.6m Grill Area = 1.50sqm. MATERIAL				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7068	Extra for providing grided rolling shutters with 8 mm dia M.S. rod	sqm	1.50	500.00	750.00
	TOTAL				750.00 W
	Add 1 % Water charges on "W"				7.50
	TOTAL				757.50 X
	Add GST on "X" (multiplying factor 0.1405)				106.43
	TOTAL				863.93 Y
	Add 15% CPOH on "Y"				129.59
	TOTAL				993.52 Z
	Add Cess @ 1% on "Z"				9.94
	Cost of 1.5sqm.				1003.45
	Cost per sqm.				668.97
	Say				668.95

10.10 Fixing standard steel glazed doors, windows and ventilators in walls, including fixing of float glass panes with glazing clips and special metal-sash putty of approved make, or metal beading with screws, (only steel windows, glass panes cut to size and glazing clips or metal beading with screws, shall be supplied by department free of cost.

10.10.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.2.5	Details of cost for one door 2x0.76m = 1.52sqm.(weight 15 kg) MATERIAL Cement concrete blocks 15x10x10cm = 0.009 cum Rate as per item no 4.2.5 of SH : Concrete work	cum	0.009	8025.00	72.23 A
	LABOUR				
0102	Blacksmith 1st class	day	0.17	738.00	125.46
0123	Mason (brick layer) 1st class	day	0.08	738.00	59.04
0124	Mason (brick layer) 2nd class	day	0.08	679.00	54.32
0114	Beldar	day	0.50	558.00	279.00
9977	Sundries for carriage of material	L.S.	67.28	2.00	134.56
	TOTAL				724.61 W
	Add 1 % Water charges on "W-A"				6.52
	TOTAL				731.13 X
	Add GST on "X-A" (multiplying factor 0.1405)				92.58
	TOTAL				823.70 Y
	Add 15% CPOH on "Y-A"				112.72
	TOTAL				936.43 Z
	Add Cess @ 1% on "Z-A"				8.64
	Cost of 15 kg				945.07
	Cost per kg				63.00
	Say				63.00

10.10.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door 2x0.76m = 1.52sqm.(weight 15 kg)				
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.17	738.00	125.46
0114	Beldar	day	0.17	558.00	94.86
9977	Sundries for Carriage of material	L.S.	67.28	2.00	134.56
	TOTAL				354.88 W
	Add 1 % Water charges on "W"				3.55
	TOTAL				358.43 X
	Add GST on "X" (multiplying factor 0.1405)				50.36
	TOTAL				408.79 Y
	Add 15% CPOH on "Y"				61.32
	TOTAL				470.11 Z
	Add Cess @ 1% on "Z"				4.70
	Cost of 15 kg				474.81
	Cost per kg				31.65
	Say				31.65

10.11 Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).

10.11.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a double leaf door of size 2.075x1.175m = 2.44 sqm. (weight 30 kg).				
	MATERIAL				
1011	Steel glazed door,window/ ventilator, all members like as F7D, F4B, K11 and K12B etc.	kg	30.00	54.00	1620.00
9977	Carriage of Steel Door	L.S.	40.37	2.00	80.74
	Labour for fabrication				
0103	Blacksmith 2nd class	day	0.17	679.00	115.43
0116	Fitter (grade 1)	day	0.26	738.00	191.88
0114	Beldar	day	0.34	558.00	189.72
9999	Sundries	L.S.	15.37	2.00	30.74

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.10.1	Fixing with CC 1:3:6 blocks, wooden plugs and screws or rawl plugs and screws or with fixing clips and bolts and nuts as required including metal sash putty for glass fixing Rate as per Item No.10.10.1	kg	30.00	63.00	1890.00 A
13.50.3	Apply steel primer (2.44x1.00 for both sides)=2.44 sqm Rate as per item no 13.50.3 of SH : Finishing	sqm	2.44	50.70	123.71 A
	TOTAL				4242.22 W
	Add 1 % Water charges on "W-A"				22.29
	TOTAL				4264.50 X
	Add GST on "X-A" (multiplying factor 0.1405)				316.24
	TOTAL				4580.74 Y
	Add 15% CPOH on "Y-A"				385.05
	TOTAL				4965.79 Z
	Add Cess @ 1% on "Z-A"				29.52
	Cost for 30 kg.				4995.32
	Cost of 1 kg.				166.51
	Say				166.50

10.11.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1011	Details of cost for a double leaf door of size 2.075x1.175m = 2.44 sqm. (weight 30 kg). MATERIAL Steel glazed door,window/ ventilator, all members like as F7D, F4B, K11 and K12B etc.	kg	30.00	54.00	1620.00
9977	Carriage of Steel Door	L.S.	40.37	2.00	80.74
	Labour for fabrication				
0103	Blacksmith 2nd class	day	0.17	679.00	115.43
0116	Fitter (grade 1)	day	0.26	738.00	191.88
0114	Beldar	day	0.34	558.00	189.72
9999	Sundries	L.S.	15.37	2.00	30.74
	Labour for fixing				
0114	Beldar	day	0.027	558.00	15.07
0115	Collie	day	0.0195	558.00	10.88
0130	Mistry	day	0.0084	738.00	6.20
0128	Mate	day	0.0012	617.00	0.74

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Hire charges of drill machine, scaffolding and sundries	L.S.	12.22	2.00	24.44
13.50.3	Apply steel primer (2.44x1.00 for both sides)=2.44 sqm				
	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.44	50.70	123.71 A
	TOTAL				2409.54 W
	Add 1 % Water charges on "W-A"				22.86
	TOTAL				2432.40 X
	Add GST on "X-A" (multiplying factor 0.1405)				324.37
	TOTAL				2756.77 Y
	Add 15% CPOH on "Y-A"				394.96
	TOTAL				3151.73 Z
	Add Cess @ 1% on "Z-A"				30.28
	Cost for 30 kg.				3182.01
	Cost of 1 kg.				106.07
	Say				106.05

10.12 Extra for providing and fixing steel beading of size 10 x 10 x 1.6 mm (box type), approved shape and section with screws instead of glazing clips and metal sash putty, in steel doors, windows, ventilators and composite units.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1143	Detail of cost for 1 metre beading for doors, windows, Ventilators and composit units				
	Steel beading size 10 x 10 x 1.6 mm (box type)	metre	1.00	27.00	27.00
9999	Applying priming coat	L.S.	0.46	2.00	0.92
9999	Fixing charges	L.S.	3.01	2.00	6.02
	TOTAL				33.94 W
	Add 1 % Water charges on "W"				0.34
	TOTAL				34.28 X
	Add GST on "X" (multiplying factor 0.1405)				4.82
	TOTAL				39.10 Y
	Add 15% CPOH on "Y"				5.86
	TOTAL				44.96 Z
	Add Cess @ 1% on "Z"				0.45
	Cost of 1 metre				45.41
	Say				45.40

- 10.13 Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.**
- 10.13.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Details of cost for 17.5Kg. MATERIAL Tee iron 40x40x6mm = 2m+2m+1m = 5 metres 5 metres @3.5Kg/m = 17.5kg.+ Add wastage @ 5% = 0.87Kg. Total = 18.37 kg. Say 0.18 quintal Structurals such as tees,angles channels and R.S. joists	quintal	0.18	4600.00	828.00
1002	M.S. bars 10mm = 1x1m = 1 metre 1 metre @ 0.60kg/m = 0.60Kg.+ Add wastage @ 5% = 0.03Kg. Total = 0.63 Kg. Say = 0.006 quintal Mild steel round bar 12 mm dia and below	quintal	0.006	4500.00	27.00
1008	M.S. flat 15x3mm = 6x10cm = 0.60 metre 0.6 metre @ 0.35kg/m = 0.21Kg+ Add wastage @ 5% = 0.01 Kg. Total = 0.22 kg = 0.002q. Flats upto 10 mm in thickness	quintal	0.002	4500.00	9.00
4.2.5	Cement concrete block 1:3:6- 6x 15x10x10cm= 0.009 cum Rate as per item no 4.2.5 of SH : Concrete work	cum	0.009	8025.00	72.23 A
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	For screws and nuts and bolts	L.S.	35.88	2.00	71.76
9999	For applying steel primer	L.S.	17.94	2.00	35.88
9977	Carriage of material	L.S.	5.33	2.00	10.66
	LABOUR				
0103	Blacksmith 2nd class	day	0.10	679.00	67.90
0116	Fitter (grade 1)	day	0.15	738.00	110.70
0114	Beldar	day	0.20	558.00	111.60
9999	Sundries	L.S.	8.97	2.00	17.94
	TOTAL				1410.67 W
	Add 1 % Water charges on "W-A"				13.38
	TOTAL				1424.05 X
	Add GST on "X-A" (multiplying factor 0.1405)				189.93
	TOTAL				1613.98 Y
	Add 15% CPOH on "Y-A"				231.26
	TOTAL				1845.24 Z
	Add Cess @ 1% on "Z-A"				17.73
	Cost for 17.5Kg.				1862.97
	Cost for 1 Kg.				106.46
	Say				106.45

10.13.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Details of cost for 17.5Kg. MATERIAL Tee iron 40x40x6mm = 2m+2m+1m = 5 metres 5 metres @3.5Kg/m = 17.5kg.+ Add wastage @ 5% = 0.87Kg. Total = 18.37 kg. Say 0.18 quintal Structurals such as tees, angles channels and R.S. joists	quintal	0.18	4600.00	828.00
1002	M.S. bars 10mm = 1x1m = 1 metre 1 metre @ 0.60kg/m = 0.60Kg.+ Add wastage @ 5% = 0.03Kg. Total = 0.63 Kg. Say = 0.006 quintal Mild steel round bar 12 mm dia and below	quintal	0.006	4500.00	27.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	For screws and nuts and bolts	L.S.	35.88	2.00	71.76
9999	For applying steel primer	L.S.	17.94	2.00	35.88
9977	Carriage of material	L.S.	5.33	2.00	10.66
	LABOUR				
0103	Blacksmith 2nd class	day	0.10	679.00	67.90
0116	Fitter (grade 1)	day	0.15	738.00	110.70
0114	Beldar	day	0.20	558.00	111.60
9999	Sundries	L.S.	8.97	2.00	17.94
	TOTAL				1329.44 W
	Add 1 % Water charges on "W"				13.29
	TOTAL				1342.73 X
	Add GST on "X" (multiplying factor 0.1405)				188.65
	TOTAL				1531.39 Y
	Add 15% CPOH on "Y"				229.71
	TOTAL				1761.10 Z
	Add Cess @ 1% on "Z"				17.61
	Cost for 17.5Kg.				1778.71
	Cost for 1 Kg.				101.64
	Say				101.65

10.14 Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:

10.14.1 Profile B

10.14.1.1 Fixing with adjustable lugs with split end tail to each jamb

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4006	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "B" frame 2+2+1m=5m	metre	5.00	190.00	950.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.00	71.76
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	4600.00	138.00
9977	Carriage of material LABOUR	L.S.	5.33	2.00	10.66
0116	Fitter (grade 1)	day	0.15	738.00	110.70
0114	Beldar	day	0.20	558.00	111.60
9999	Sundries	L.S.	8.97	2.00	17.94
	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)= 2.69sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	50.70	136.38 A
	TOTAL				1595.04 W
	Add 1 % Water charges on "W-A"				14.59
	TOTAL				1609.63 X
	Add GST on "X-A" (multiplying factor 0.1405)				206.99
	TOTAL				1816.62 Y
	Add 15% CPOH on "Y-A"				252.04
	TOTAL				2068.66 Z
	Add Cess @ 1% on "Z-A"				19.32
	Cost for 5 metres				2087.98
	Cost for 1 metre				417.60
	Say				417.60

10.14.1.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4006	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "B" frame 2+2+1m=5m	metre	5.00	190.00	950.00
9999	Deduct sundries for not providing adjustable lugs	L.S.	-20.00	2.00	-40.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.00	71.76
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	4600.00	138.00
9977	Carriage of material LABOUR	L.S.	5.33	2.00	10.66
0116	Fitter (grade 1)	day	0.15	738.00	110.70
0114	Beldar	day	0.20	558.00	111.60
9999	Sundries	L.S.	8.97	2.00	17.94
	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)= 2.69sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	50.70	136.38 A
	TOTAL				1555.04 W
	Add 1 % Water charges on "W-A"				14.19
	TOTAL				1569.23 X
	Add GST on "X-A" (multiplying factor 0.1405)				201.31
	TOTAL				1770.54 Y
	Add 15% CPOH on "Y-A"				245.12
	TOTAL				2015.67 Z
	Add Cess @ 1% on "Z-A"				18.79
	Cost for 5 metres				2034.46
	Cost for 1metre				406.89
	Say				406.90

10.14.2 Profile C

10.14.2.1 Fixing with adjustable lugs with split end tail to each jamb

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5 metre MATERIAL				
4007	Pressed steel door frames (mild steel sheet 1.60mm) Profile "C" 2+2+1m=5m	metre	5.00	210.00	1050.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.00	71.76
1007	Structurals such as tees, angles channels and R.S. joists	quintal	0.03	4600.00	138.00
9977	Carriage of material LABOUR	L.S.	5.33	2.00	10.66
0116	Fitter (grade 1)	day	0.15	738.00	110.70
0114	Beldar	day	0.20	558.00	111.60
9999	Sundries	L.S.	8.97	2.00	17.94
	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)= 2.69sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.3	Rate as per item no 13.50.3 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 5 metres Cost for 1 metre Say	sqm	2.69	50.70	136.38 A 1695.04 W 15.59 1710.63 X 221.18 1931.81 Y 269.31 2201.13 Z 20.65 2221.77 444.35 444.35

10.14.2.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4007	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "C" 2+2+1m=5m	metre	5.00	210.00	1050.00
9999	Sundries for not providing adjustable lugs(-)	L.S.	-20.00	2.00	-40.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.00	71.76
1007	Structurals such as tees, angles channels and R.S. joists	quintal	0.03	4600.00	138.00
9977	Carriage of material LABOUR	L.S.	5.33	2.00	10.66
0116	Fitter (grade 1)	day	0.15	738.00	110.70
0114	Beldar	day	0.20	558.00	111.60
9999	Sundries	L.S.	8.97	2.00	17.94
	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)= 2.69sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 5 metres Cost for 1 metre Say	sqm	2.69	50.70	136.38 A 1655.04 W 15.19 1670.23 X 215.51 1885.74 Y 262.40 2148.14 Z 20.12 2168.26 433.65 433.65

10.14.3 Profile E

10.14.3.1 Fixing with adjustable lugs with split end tail to each jamb

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4008	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "E" 2+2+1m=5m	metre	5.00	240.00	1200.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.00	71.76
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	4600.00	138.00
9977	Carriage of material LABOUR	L.S.	5.33	2.00	10.66
0116	Fitter (grade 1)	day	0.15	738.00	110.70
0114	Beldar	day	0.20	558.00	111.60
9999	Sundries Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)= 2.69sqm	L.S.	8.97	2.00	17.94
13.50.3	Rate as per item no 13.50.3 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 5 metres Cost for 1 metre Say	sqm	2.69	50.70	136.38 A 1845.04 W 17.09 1862.13 X 242.47 2104.60 Y 295.23 2399.83 Z 22.63 2422.46 484.49 484.50

10.14.3.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4008	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "E" 2+2+1m=5m	metre	5.00	240.00	1200.00
9999	Sundries for not providing adjustable lugs (-)	L.S.	-20.00	2.00	-40.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	2.00	71.76
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	4600.00	138.00
9977	Carriage of material LABOUR	L.S.	5.33	2.00	10.66
0116	Fitter (grade 1)	day	0.15	738.00	110.70
0114	Beldar	day	0.20	558.00	111.60
9999	Sundries	L.S.	8.97	2.00	17.94
	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)= 2.69sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	50.70	136.38 A
	TOTAL				1805.04 W
	Add 1 % Water charges on "W-A"				16.69
	TOTAL				1821.73 X
	Add GST on "X-A" (multiplying factor 0.1405)				236.79
	TOTAL				2058.52 Y
	Add 15% CPOH on "Y-A"				288.32
	TOTAL				2346.84 Z
	Add Cess @ 1% on "Z-A"				22.10
	Cost for 5 metres				2368.95
	Cost for 1 metre				473.79
	Say				473.80

10.15 Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.

10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 7.13Kg. MATERIAL L- section - 32x22x28mm 1.60mm thick 2.00+2.00+1.00 = 5.00 m Width of MS sheet = 32+24.80+22+ 24.80+10mm = 113.60mm = 0.1136 m Area of MS sheet = 0.1136x5.00x0. 0016 = 0.0009088 sqm Weight of Sheet = 0.0009088x7850 = 7.134 kg Add wastage @ 5% = 0.357Kg. Total = 7.491 kg Say 7.49 kg				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4011	Mild steel tubes electric resistant or induction butt welded M.S. bars 10mm = 1x1m = 1 metre 1 metre @ 0.60kg/m = 0.60Kg. Add wastage @ 5% = 0.03Kg. Total = 0.63 Kg. Say = 0.006 quintal	kilogram	7.49	47.00	352.03
1002	Mild steel round bar 12 mm dia and below M.S. flat 15x3mm = 6x10cm = 0.60 metre 0.6 metre @ 0.35kg/m = 0.21Kg Add wastage @ 5% = 0.01 Kg. Total = 0.22 kg = 0.002q	quintal	0.006	4500.00	27.00
1008	Flats upto 10 mm in thickness Cement concrete block 1:3:6- 6x15x10x10cm= 0.009 cum	quintal	0.002	4500.00	9.00
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.009	8025.00	72.23 A
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	For screws and nuts and bolts	L.S.	35.88	2.00	71.76
9999	For applying steel primer	L.S.	17.94	2.00	35.88
9977	Carriage of material LABOUR	L.S.	5.33	2.00	10.66
0103	Blacksmith 2nd class	day	0.04	679.00	27.16
0116	Fitter (grade 1)	day	0.06	738.00	44.28
0114	Beldar	day	0.08	558.00	44.64
9999	Sundries	L.S.	3.64	2.00	7.28
	TOTAL				749.92 W
	Add 1 % Water charges on "W-A"				6.78
	TOTAL				756.69 X
	Add GST on "X-A" (multiplying factor 0.1405)				96.17
	TOTAL				852.86 Y
	Add 15% CPOH on "Y-A"				117.10
	TOTAL				969.95 Z
	Add Cess @ 1% on "Z-A"				8.98
	Cost for 7.13Kg.				978.93
	Cost for 1 Kg.				137.30
	Say				137.30

10.15.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 7.13Kg. MATERIAL L- section - 32x22x28mm 1.60mm thick 2.00+2.00+1.00 = 5.00 m Width of MS sheet = 32+24.80+22+ 24.80+ 10mm = 113.60mm = 0.1136 m				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4011	Area of MS sheet = 0.1136x5.00x 0.0016 = 0.0009088 sqm Weight of Sheet = 0.0009088x7850 = 7.134 kg Add wastage @ 5% = 0.357Kg. Total = 7.491 kg Say 7.49 kg Mild steel tubes electric resistant or induction butt welded	kilogram	7.49	47.00	352.03
1002	M.S. bars 10mm = 1x1m = 1 metre 1 metre @ 0.60kg/m = 0.60Kg. Add wastage @ 5% = 0.03Kg. Total = 0.63 Kg. Say = 0.006 quintal Mild steel round bar 12 mm dia and below	quintal	0.006	4500.00	27.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00
9999	For screws and nuts and bolts	L.S.	35.88	2.00	71.76
9999	For applying steel primer	L.S.	17.94	2.00	35.88
9977	Carriage of material LABOUR	L.S.	5.33	2.00	10.66
0103	Blacksmith 2nd class	day	0.04	679.00	27.16
0116	Fitter (grade 1)	day	0.06	738.00	44.28
0114	Beldar	day	0.08	558.00	44.64
9999	Sundries	L.S.	3.64	2.00	7.28
	TOTAL				668.69 W
	Add 1 % Water charges on "W"				6.69
	TOTAL				675.38 X
	Add GST on "X" (multiplying factor 0.1405)				94.89
	TOTAL				770.27 Y
	Add 15% CPOH on "Y"				115.54
	TOTAL				885.81 Z
	Add Cess @ 1% on "Z"				8.86
	Cost for 7.13Kg.				894.67
	Cost for 1 Kg.				125.48
	Say				125.50

10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.

10.16.1 Hot finished welded type tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a truss of span 8 metre weight = 119 kg. MATERIAL 50mm dia. tube Tie beam-1x8.0m = 8.00m+ Principal rafter 2x4.30m = 8.60m Total = 16.60m				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4009	16.60m @ 5.10kg./m = 84.66kg. 40mm dia. tube Members = 2(0.45+1.25+0.90+2.15) Total = 2x4.75=9.50m 9.50m @ 3.61kg/m = 34.60Kg. Total = 118.96kg. Add wastage @ 5% = 5.94Kg. Total = 124.90Kg. Say 125 kg Mild steel tubes hot finished welded type	kilogram	125.00	57.00	7125.00
2205	Carriage of Steel Priming coat 50mm dia. tube 16.60x0.157m = 1.61sqm. 40mm dia. tube 9.50x0.125m = 1.91 sqm. Total = 2.80 sqm.	tonne	0.125	92.24	11.53
13.50.3	Rate as per item no 13.50.3 of SH : Finishing Welding charges:- Rafters:- 4x22/7x6.03 = 75.80cm.+ Ties:- 2x22/7x6.03=37.90cm.+ Members:- 2x4x2x22/7x4.83=242.87cm Total= 356.57cm say 357cm	sqm	2.80	50.70	141.96 A
1215	Welding by electric plant LABOUR	cm	357.00	2.00	714.00
0102	For cutting, assembling & erection Blacksmith 1st class	day	1.50	738.00	1107.00
0100	Bandhani	day	0.75	617.00	462.75
0114	Beldar	day	5.50	558.00	3069.00
9999	Sundries	L.S.	80.73	2.00	161.46
	TOTAL				12792.70 W
	Add 1 % Water charges on "W-A"				126.51
	TOTAL				12919.21 X
	Add GST on "X-A" (multiplying factor 0.1405)				1795.20
	TOTAL				14714.41 Y
	Add 15% CPOH on "Y-A"				2185.87
	TOTAL				16900.28 Z
	Add Cess @ 1% on "Z-A"				167.58
	Cost for 119 Kg.				17067.86
	Cost for 1 Kg.				143.43
	Say				143.45

10.16.2 Hot finished seamless type tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a truss of span 8 metre weight = 119 kg. MATERIAL 50mm dia. tube				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4010	Tie beam- 1 x 8.0m = 8.00m + Principal rafter 2x4.30m = 8.60m = 16.60m 16.60m @ 5.10kg./ m = 84.66 kg. 40mm dia. tube Members = 2(0.45+1.25+0.90+2.15) Total= 2x 4.75 = 9.50m 9.50m @ 3.61kg/m = 34.60kg. Total = 118.96kg. Add wastage @ 5% = 5.94kg. Total=124.90kg. say 125 kg Mild steel tubes hot finished seamless type	kilogram	125.00	67.00	8375.00
2205	Carriage of Steel Priming coat 50mm dia. tube 16.60x0.157 m = 1.61 sqm. 40mm dia. tube 9.50x 10125m = 1.91 sqm. =2.80 sqm.	tonne	0.125	92.24	11.53
13.50.3	Rate as per item no 13.50.3 of SH : Finishing Welding charges:- Rafter:- 4x22/7x6.03 = 75.80cm.+ Ties :- 2x22/7x6.03=37.90cm.+ Members :- 2x4x2x22/7x4.83 = 242.87cm Total= 356.57 cm say 357 cm	sqm	2.80	50.70	141.96 A
1215	Welding by electric plant LABOUR	cm	357.00	2.00	714.00
0102	Blacksmith 1st class	day	1.50	738.00	1107.00
0100	Bandhani	day	0.75	617.00	462.75
0114	Beldar	day	5.50	558.00	3069.00
9999	Sundries	L.S.	80.73	2.00	161.46
	TOTAL				14042.70 W
	Add 1 % Water charges on "W-A"				139.01
	TOTAL				14181.71 X
	Add GST on "X-A" (multiplying factor 0.1405)				1972.58
	TOTAL				16154.29 Y
	Add 15% CPOH on "Y-A"				2401.85
	TOTAL				18556.14 Z
	Add Cess @ 1% on "Z-A"				184.14
	Cost for 119 kg				18740.28
	Cost for 1 kg				157.48
	Say				157.50

10.16.3 Electric resistance or induction butt welded tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a truss of span 8 metre weight = 119 kg.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4011	MATERIAL 50mm dia. tube Tie beam-1x8.0m = 8.00m+ Principal rafter 2x4.30m = 8.60m Total = 16.60m 16.60m @ 5.10kg./m = 84.66kg. 40mm dia. tube Members = 2(0.45+1.25+0.90+2.15) Total = 2x4.75=9.50m 9.50m @ 3.61kg/m = 34.60Kg. Total = 118.96kg. Add wastage @ 5% = 5.94Kg. Total = 124.90Kg. say 125 kg Mild steel tubes electric resistant or induction butt welded	kilogram	125.00	47.00	5875.00
2205	Carriage of Steel Priming coat	tonne	0.125	92.24	11.53
13.50.3	50mm dia. tube 16.60x0.157m = 1.61sqm. 40mm dia. tube 9.50x0.125m = 1.91 sqm. Total = 2.80 sqm. Rate as per item no 13.50.3 of SH : Finishing	sqm	2.80	50.70	141.96 A
1215	Welding charges:- Rafter:- 4x22/7x6.03 = 75.80cm.+ Ties:- 2x22/7x6.03=37.90cm.+ Members:- 2x4x2x22/7x4.83=242.87cm Total= 356.57cm say 357cm Welding by electric plant	cm	357.00	2.00	714.00
0102	LABOUR Blacksmith 1st class	day	1.50	738.00	1107.00
0100	Bandhani	day	0.75	617.00	462.75
0114	Beldar	day	5.50	558.00	3069.00
9999	Sundries	L.S.	80.73	2.00	161.46
	TOTAL				11542.70 W
	Add 1 % Water charges on "W-A"				114.01
	TOTAL				11656.71 X
	Add GST on "X-A" (multiplying factor 0.1405)				1617.82
	TOTAL				13274.53 Y
	Add 15% CPOH on "Y-A"				1969.89
	TOTAL				15244.41 Z
	Add Cess @ 1% on "Z-A"				151.02
	Cost for 119 Kg.				15395.44
	Cost for 1 Kg.				129.37
	Say				129.35

10.17 Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 clamp				
	MATERIAL				
	16mm dia. M.S. bar 1m @ 1.58 kg/m				
	1x1.58 = 1.58Kg+				
	Add wastage @ 5% = 0.08 Kg.				
	Total = 1.66 Kg.				
	Say 1.70kg. or 0.017q				
1003	Mild steel round bar above 12 mm dia	quintal	0.017	4400.00	74.80
	LABOUR				
0103	Blacksmith 2nd class	day	0.04	679.00	27.16
0114	Beldar	day	0.04	558.00	22.32
9988	Sundries (Carriage, fixing and painting etc.)	L.S.	1.82	2.00	3.64
	TOTAL				127.92 W
	Add 1 % Water charges on "W"				1.28
	TOTAL				129.20 X
	Add GST on "X" (multiplying factor 0.1405)				18.15
	TOTAL				147.35 Y
	Add 15% CPOH on "Y"				22.10
	TOTAL				169.45 Z
	Add Cess @ 1% on "Z"				1.69
	Cost for 1 clamp				171.15
	Say				171.15

10.18 Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of one box clamp				
	MATERIAL				
4012	Circular C.I. Box for ceiling fan	each	1.00	52.00	52.00
	12mm dia. M.S. bar 80cm @				
	0.9kg/m = 0.72kg+				
	Add wastage @ 5% = 0.036				
	Total = 0.756 kg. Say 0.008 q				
1002	Mild steel round bar 12 mm dia and below	quintal	0.008	4500.00	36.00
	LABOUR				
0103	Blacksmith 2nd class	day	0.03	679.00	20.37
0114	Beldar	day	0.03	558.00	16.74

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries (Carriage, fixing and painting etc.)	L.S.	1.82	2.00	3.64
	TOTAL				128.75 W
	Add 1 % Water charges on "W"				1.29
	TOTAL				130.04 X
	Add GST on "X" (multiplying factor 0.1405)				18.27
	TOTAL				148.31 Y
	Add 15% CPOH on "Y"				22.25
	TOTAL				170.55 Z
	Add Cess @ 1% on "Z"				1.71
	Cost for 1 box clamp				172.26
	Say				172.25

10.19 Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one bolt 16mm dia. and 1200mm long (0.024 quintal)				
	MATERIAL				
1035	1.2m @ 1.58kg/m = 1.895 kg = 0.019q	quintal	0.019	5100.00	96.90
	Bolts and nuts above 300 mm in length Plate-100x100x6mm @ 47kg/sqm.				
	Wt. = 0.47kg. = 0.005q				
1010	Mild steel plates	quintal	0.005	4800.00	24.00
	LABOUR				
0103	Blacksmith 2nd class	day	0.03	679.00	20.37
9988	Carriage and labour for fixing	L.S.	4.55	2.00	9.10
	TOTAL				150.37 W
	Add 1 % Water charges on "W"				1.50
	TOTAL				151.87 X
	Add GST on "X" (multiplying factor 0.1405)				21.34
	TOTAL				173.21 Y
	Add 15% CPOH on "Y"				25.98
	TOTAL				199.19 Z
	Add Cess @ 1% on "Z"				1.99
	Cost of 0.024q				201.19
	Cost of 1 kg.				83.83
	Say				83.85

10.20 Providing and fixing bolts including nuts and washers complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 0.10q of nuts and washers				
	MATERIAL				
1034	Bolts and nuts upto 300 mm in length	quintal	0.10	4800.00	480.00
2205	Carriage of Steel	tonne	0.01	92.24	0.92

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0103	LABOUR				
	Blacksmith 2nd class	day	0.38	679.00	258.02
0114	Beldar	day	0.38	558.00	212.04
9999	Sundries	L.S.	4.55	2.00	9.10
	TOTAL				960.08 W
	Add 1 % Water charges on "W"				9.60
	TOTAL				969.68 X
	Add GST on "X" (multiplying factor 0.1405)				136.24
	TOTAL				1105.92 Y
	Add 15% CPOH on "Y"				165.89
	TOTAL				1271.81 Z
	Add Cess @ 1% on "Z"				12.72
	Cost of 0.10q				1284.53
	Cost of 1 kg.				128.45
	Say				128.45

10.21 Providing and fixing M.S. rivets of sizes in position.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 0.10q of rivets				
	MATERIAL				
1020	Mild steel rivets	quintal	0.10	5000.00	500.00
2205	Carriage of Steel	tonne	0.01	92.24	0.92
	LABOUR				
0116	Fitter (grade 1)	day	0.83	738.00	612.54
0139	Skilled Beldar (for floor rubbing etc.)	day	0.83	617.00	512.11
9999	Sundries	L.S.	10.79	2.00	21.58
	TOTAL				1647.15 W
	Add 1 % Water charges on "W"				16.47
	TOTAL				1663.62 X
	Add GST on "X" (multiplying factor 0.1405)				233.74
	TOTAL				1897.36 Y
	Add 15% CPOH on "Y"				284.60
	TOTAL				2181.97 Z
	Add Cess @ 1% on "Z"				21.82
	Cost of 0.10q				2203.79
	Cost of 1 kg.				220.38
	Say				220.40

10.22 Welding by gas or electric plant including transportation of plant at site etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1214	Details of cost for one cm. Welding by gas plant including transportation of welding plant at site etc. complete	cm	1.00	2.00	2.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	0.26	2.00	0.52
	TOTAL				2.52 W
	Add 1 % Water charges on "W"				0.03
	TOTAL				2.55 X
	Add GST on "X" (multiplying factor 0.1405)				0.36
	TOTAL				2.90 Y
	Add 15% CPOH on "Y"				0.44
	TOTAL				3.34 Z
	Add Cess @ 1% on "Z"				0.03
	Cost of 1cm.				3.37
	Say				3.35

10.25 Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.

10.25.1 In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 5.331 kg Consider a flight of staircase of 2.8m height with tread and riser of 200mm & 0.60m wide. MATERIAL (i) Unequal angles as stringers- 75x50x6mm $4 \times 12.69 \times 5.6 = 284.25$ Kg. Add wastage @ 5% = 14.21 Kg. Total = 298.46kg. Say 2.985q (ii) unequal angles at sides -50x30x5mm $2 \times 14 \times 0.2 \times 3.00 = 16.8$ kg. Add wastage @ 5% = 0.84kg. Total = 17.64 kg. Say 0.176q Total = 3.161q				
1007	Structurals such as tees, angles channels and R.S. joists (iii) plate for tread 8mm thick $14 \times 7.5 = 105.00$ kg+ Add wastage @ 5% = 5.25kg. Total = 110.25kg. Say 1.103q	quintal	3.161	4600.00	14540.60
1010	Mild steel plates (iv) G.I. pipe for rolling 40mm $2 \times 12.69 \text{m} = 25.38 \text{m}+$ Add wastage @ 5% = 1.27m Total = 26.65m	quintal	1.103	4800.00	5294.40
1549	G.I. pipes 40 mm dia (v) M.S. round bars 16mm dia. $15 \times 0.75 \times 2 \times 1.58 = 35.55$ kg.+ Add wastage @ 5% = 1.78kg. Total = 37.33 Kg. Say 0.373q	metre	26.65	250.00	6662.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1003	Mild steel round bar above 12 mm dia	quintal	0.373	4400.00	1641.20
2205	Carriage of Steel (3.161 + 1.103+0.373)=4.637q = 0.4637 tonne	tonne	0.4637	92.24	42.77
2271	Carriage of G.I. pipes below 100 mm dia approx. wt. 3.72x26.65=99.14kg = 0.0991q.	tonne	0.0991	92.24	9.14
1215	Welding by electric plant 23.20 m = 2320cm LABOUR	cm	2320.00	2.00	4640.00
0102	Blacksmith 1st class	day	1.85	738.00	1365.30
0114	Beldar	day	1.25	558.00	697.50
0100	Bandhani	day	0.60	617.00	370.20
	Applying priming coat (i) steps 2.4x14 = 33.60sqm.+ (ii) angles-4x12.69x0.25 = 12.69sqm.+ (iii) Bars and other components = 2.00 sqm. (L.S.) Total = 48.29 sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	48.29	50.70	2448.30 A
9999	Sundries	L.S.	110.89	2.00	221.78
	TOTAL				37933.70 W
	Add 1 % Water charges on "W-A"				354.85
	TOTAL				38288.55 X
	Add GST on "X-A" (multiplying factor 0.1405)				5035.55
	TOTAL				43324.10 Y
	Add 15% CPOH on "Y-A"				6131.37
	TOTAL				49455.47 Z
	Add Cess @ 1% on "Z-A"				470.07
	Cost of 5.331 quintal				49925.55
	Cost per kg.				93.65
	Say				93.65

10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of 1mx1m framed guard bar grating (0.218 quintal). MATERIAL				
	(i) M.S. flat 50x6mm 2.4kg/per metre 5.75x2.40 = 13.8kg.+ Add wastage @ 5% = 0.69kg. Total = 14.49kg. Say 14.5 kg.				
1008	Flats upto 10 mm in thickness	quintal	0.145	4500.00	652.50
	(ii) 12mm dia. bars @ 0.89 kg/m 9x1= 9metre @ 0.89kg/m = 8.01kg+ Add wastage @ 5% = 0.40kg. Total = 8.41 kg. Say 0.084q				
1002	Mild steel round bar 12 mm dia and below	quintal	0.084	4500.00	378.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2205	Carriage of Steel	tonne	0.0229	92.24	2.11
1215	Welding by electric plant 60 cm	cm	60.00	2.00	120.00
	LABOUR				
0102	Blacksmith 1st class	day	0.70	738.00	516.60
0114	Beldar	day	0.50	558.00	279.00
0100	Bandhani	day	0.25	617.00	154.25
	Applying priming coat 0.6 sqm.				
13.50.3	Rate as per item no 13.50.3 of				
	SH : Finishing	sqm	0.60	50.70	30.42 A
9999	Sundries	L.S.	4.55	2.00	9.10
	TOTAL				2141.98 W
	Add 1 % Water charges on "W-A"				21.12
	TOTAL				2163.10 X
	Add GST on "X-A" (multiplying factor 0.1405)				299.64
	TOTAL				2462.74 Y
	Add 15% CPOH on "Y-A"				364.85
	TOTAL				2827.59 Z
	Add Cess @ 1% on "Z-A"				27.97
	Cost of 0.218 qunital				2855.56
	Cost per kg				130.99
	Say				131.00

10.26 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.

10.26.1 M.S. tube

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 19.49 kg				
	Details of cost for hand rail of railing of				
	two flights of staircase, length of				
	hand rail = 5.40m				
	MATERIAL				
	M.S. tube 40mm nominal bore				
	(medium) =				
	5.40m @ 3.61kg/m= 19.49kg				
	Add wastage @ 5% = 0.97 kg				
	Total = 20.46 kg				
4009	Mild steel tubes hot finished welded				
	type	kilogram	20.46	57.00	1166.22
2205	Carriage of Steel	tonne	0.0205	92.24	1.89
	20.46kg = 0.205q				
	Priming coat 40mm dia.Tube				
	5.4x22/7x0.0483 = 0.82 sqm				
13.50.3	Rate as per item no 13.50.3 of				
	SH : Finishing	sqm	0.82	50.70	41.57 A
1215	Welding by electric plant	cm	72.00	2.00	144.00
	(joints of hand rail and ballustards)				
	18x4x1.00 = 72cm				
	Labour for cutting assembling & erection				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0102	LABOUR Blacksmith 1st class	day	0.24	738.00	177.12
0114	Beldar	day	0.90	558.00	502.20
0100	Bandhani	day	0.12	617.00	74.04
9999	Sundries	L.S.	12.48	2.00	24.96
	TOTAL				2132.00 W
	Add 1 % Water charges on "W-A"				20.90
	TOTAL				2152.91 X
	Add GST on "X-A" (multiplying factor 0.1405)				296.64
	TOTAL				2449.55 Y
	Add 15% CPOH on "Y-A"				361.20
	TOTAL				2810.75 Z
	Add Cess @ 1% on "Z-A"				27.69
	Cost of 19.49 Kg.				2838.44
	Cost per 1 kg.				145.64
	Say				145.65

10.26.2 E.R.W. tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 17.71 kg Details of cost for hand rail of railing of two flights of staircase, length of hand rail =5.40m MATERIAL E.R.W. tube 40mm nominal bore = 5.40m @ 3.28kg/m= 17.71kg Add wastage @ 5% = 0.88 kg Total = 18.59 kg				
4011	Mild steel tubes electric resistant or induction butt welded	kilogram	18.59	47.00	873.73
2205	Carriage of Steel 18.59kg = 0.0186q	tonne	0.0186	92.24	1.72
	Priming coat 40mm dia.Tube 5.4x22/7x0.0483 = 0.82 sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	0.82	50.70	41.57 A
1215	Welding by electric plant (joints of hand rail and ballustards) 18x4x1.00 = 72cm Labour for cutting assembling & erection	cm	72.00	2.00	144.00
	LABOUR				
0102	Blacksmith 1st class	day	0.24	738.00	177.12
0114	Beldar	day	0.90	558.00	502.20
0100	Bandhani	day	0.12	617.00	74.04

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	12.48	2.00	24.96
	TOTAL				1839.34 W
	Add 1 % Water charges on "W-A"				17.98
	TOTAL				1857.32 X
	Add GST on "X-A" (multiplying factor 0.1405)				255.11
	TOTAL				2112.43 Y
	Add 15% CPOH on "Y-A"				310.63
	TOTAL				2423.06 Z
	Add Cess @ 1% on "Z-A"				23.81
	Cost of 17.71 Kg.				2446.87
	Cost per 1 kg.				138.16
	Say				138.15

10.26.3 G.I. pipes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for hand rail of railing of two flights of staircase, length of hand rail = 5.40m i.e. 20.09 kg				
	MATERIAL				
	G.I. pipe 40mm nominal bore = 5.40m				
	Add wastage @ 5% = 0.27m				
	Total = 5.67m				
1549	G.I. pipes 40 mm dia	metre	5.67	250.00	1417.50
2271	Carriage of G.I. pipes below 100 mm dia (5.67m @ 3.72 kg/m = 21.09kg)	tonne	0.0211	92.24	1.95
	Priming coat 40mm dia.Tube				
	5.4x22/7x0.0483 = 0.82 sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	0.82	50.70	41.57 A
1215	Welding by electric plant (joints of hand rail and ballustards) 18x4x1.00 = 72cm	cm	72.00	2.00	144.00
	LABOUR				
	Labour for cutting assembling & erection				
0102	Blacksmith 1st class	day	0.24	738.00	177.12
0114	Beldar	day	0.90	558.00	502.20
0100	Bandhani	day	0.12	617.00	74.04
9999	Sundries	L.S.	12.48	2.00	24.96
	TOTAL				2383.34 W
	Add 1 % Water charges on "W-A"				23.42
	TOTAL				2406.76 X
	Add GST on "X-A" (multiplying factor 0.1405)				332.31
	TOTAL				2739.07 Y
	Add 15% CPOH on "Y-A"				404.62
	TOTAL				3143.69 Z
	Add Cess @ 1% on "Z-A"				31.02
	Cost of 20.09 Kg.				3174.71
	Cost per 1 kg.				158.02
	Say				158.00

10.27 Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm²), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.

10.27.1 10 x 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2506	Details of cost for 10 nos. MATERIAL Carbon Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 60mm	10 nos	1.00	260.00	260.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.40	679.00	271.60
0114	Beldar	day	0.40	558.00	223.20
9977	Sundries for carriage of material	L.S.	10.00	2.00	20.00
	TOTAL				774.80 W
	Add 1 % Water charges on "W"				7.75
	TOTAL				782.55 X
	Add GST on "X" (multiplying factor 0.1405)				109.95
	TOTAL				892.50 Y
	Add 15% CPOH on "Y"				133.87
	TOTAL				1026.37 Z
	Add Cess @ 1% on "Z"				10.26
	Cost of 10 Nos.				1036.63
	Cost of 1 no				103.66
	Say				103.65

10.27.2 10 x 80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2507	Details of cost for 10 nos. MATERIAL Carbon Steel galvanised dash fastner (min5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 80mm	10 nos	1.00	300.00	300.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.40	679.00	271.60
0114	Beldar	day	0.40	558.00	223.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Sundries for carriage of material	L.S.	10.00	2.00	20.00
	TOTAL				814.80 W
	Add 1 % Water charges on "W"				8.15
	TOTAL				822.95 X
	Add GST on "X" (multiplying factor 0.1405)				115.62
	TOTAL				938.57 Y
	Add 15% CPOH on "Y"				140.79
	TOTAL				1079.36 Z
	Add Cess @ 1% on "Z"				10.79
	Cost of 10 Nos.				1090.15
	Cost of 1 no				109.02
	Say				109.00

10.27.3 10 x 120 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2508	Details of cost for 10 nos. MATERIAL Carben Steel galvanised 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 sleeve. Size 10mm x 120mm	10 nos	1.00	365.00	365.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.50	679.00	339.50
0114	Beldar	day	0.50	558.00	279.00
9977	Sundries for carriage of material	L.S.	10.00	2.00	20.00
	TOTAL				1003.50 W
	Add 1 % Water charges on "W"				10.04
	TOTAL				1013.54 X
	Add GST on "X" (multiplying factor 0.1405)				142.40
	TOTAL				1155.94 Y
	Add 15% CPOH on "Y"				173.39
	TOTAL				1329.33 Z
	Add Cess @ 1% on "Z"				13.29
	Cost of 10 Nos.				1342.62
	Cost of 1 no				134.26
	Say				134.25

10.27.4 10 x 140 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2509	Details of cost for 10 nos. MATERIAL Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 140mm	10 nos	1.00	450.00	450.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.50	679.00	339.50
0114	Beldar	day	0.50	558.00	279.00
9977	Sundries for carriage of material	L.S.	10.00	2.00	20.00
	TOTAL				1088.50 W
	Add 1 % Water charges on "W"				10.89
	TOTAL				1099.39 X
	Add GST on "X" (multiplying factor 0.1405)				154.46
	TOTAL				1253.85 Y
	Add 15% CPOH on "Y"				188.08
	TOTAL				1441.93 Z
	Add Cess @ 1% on "Z"				14.42
	Cost of 10 Nos.				1456.35
	Cost of 1 no				145.63
	Say				145.65

10.27.5 10 x 160 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
2510	Carben Steel galvanised 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 sleeve. Size 10mm x 160mm	10 nos	1.00	575.00	575.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.60	679.00	407.40
0114	Beldar	day	0.60	558.00	334.80
9977	Sundries for Carriage of material	L.S.	10.00	2.00	20.00
	TOTAL				1337.20 W
	Add 1 % Water charges on "W"				13.37
	TOTAL				1350.57 X
	Add GST on "X" (multiplying factor 0.1405)				189.76
	TOTAL				1540.33 Y
	Add 15% CPOH on "Y"				231.05
	TOTAL				1771.38 Z
	Add Cess @ 1% on "Z"				17.71
	Cost of 10 Nos.				1789.09
	Cost of 1 no				178.91
	Say				178.90

- 10.28 Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2kg MATERIAL Qty= 2kg + Add wastage @ 5% = 0.10 Total = 2.1 kg				
4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	2.10	220.00	462.00
4002	Stainless steel bolts/square bar and plates	kg	1.00	115.00	115.00
	LABOUR for fabrication, assembling, erection, welding, curvating, grinding, buffing etc.				
0102	Blacksmith 1st class	day	0.06	738.00	44.28
0114	Beldar	day	0.20	558.00	111.60
0100	Bandhani	day	0.02	617.00	12.34
9999	Welding of stainless steel section	L.S.	30.00	2.00	60.00
9999	Curvating, grinding, finishing, buffing	L.S.	20.00	2.00	40.00
9999	Sundries for making good wall and floors	L.S.	7.50	2.00	15.00
	TOTAL				860.22 W
	Add 1 % Water charges on "W"				8.60
	TOTAL				868.82 X
	Add GST on "X" (multiplying factor 0.1405)				122.07
	TOTAL				990.89 Y
	Add 15% CPOH on "Y"				148.63
	TOTAL				1139.53 Z
	Add Cess @ 1% on "Z"				11.40
	Cost of 2 kg				1150.92
	Cost of 1 kg.				575.46
	Say				575.45

- 10.29 Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.**

- 10.29.1 Galvanised M.S. Wire gauze with 0.63 mm dia wire and 1.4 mm aperture on both sides**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a window shutter 1.40x1.10=1.54 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7029	MATERIAL Wire gauze 1.40x1.10=1.54 sqm Add wastage @ 10 %=0.15 sqm Total=1.69 sqm Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	1.69	250.00	422.50
9977	CARRIAGE M.S. Flat 15x3=2x(1.40+1.10)=5.0 metre Add wastage @ 5%=0.25 m Total=5.25 m 5.25@0.35kg/m=1.84 kg	L.S.	1.82	2.00	3.64
1008	Flats upto 10 mm in thickness	quintal	0.0184	4500.00	82.80
9977	CARRIAGE	L.S.	1.82	2.00	3.64
	LABOUR				
0103	Blacksmith 2nd class	day	0.17	679.00	115.43
0112	Carpenter 2nd class	day	0.17	679.00	115.43
0114	Beldar	day	0.06	558.00	33.48
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				816.44 W
	Add 1 % Water charges on "W"				8.16
	TOTAL				824.60 X
	Add GST on "X" (multiplying factor 0.1405)				115.86
	TOTAL				940.46 Y
	Add 15% CPOH on "Y"				141.07
	TOTAL				1081.53 Z
	Add Cess @ 1% on "Z"				10.82
	Cost of 1.54 sqm.				1092.35
	Cost of 1 sqm.				709.32
	Say				709.30

10.29.2 Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8737	Details of cost for a window shutter 1.40x1.10=1.54 sqm MATERIAL Wire gauze 1.40x1.10=1.54 sqm Add wastage @ 10 %=0.15 sqm Total=1.69 sqm Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.69	400.00	676.00
9977	CARRIAGE M.S. Flat 15x3=2x(1.40+1.10)=5.0 metre Add wastage @ 5%=0.25 m Total=5.25 m 5.25@0.35kg/m=1.84 kg	L.S.	1.82	2.00	3.64
1008	Flats upto 10 mm in thickness	quintal	0.0184	4500.00	82.80
9977	CARRIAGE	L.S.	1.82	2.00	3.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0103	LABOUR Blacksmith 2nd class	day	0.17	679.00	115.43
0112	Carpenter 2nd class	day	0.17	679.00	115.43
0114	Beldar	day	0.06	558.00	33.48
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				1069.94 W
	Add 1 % Water charges on "W"				10.70
	TOTAL				1080.64 X
	Add GST on "X" (multiplying factor 0.1405)				151.83
	TOTAL				1232.47 Y
	Add 15% CPOH on "Y"				184.87
	TOTAL				1417.34 Z
	Add Cess @ 1% on "Z"				14.17
	Cost of 1.54 sqm.				1431.51
	Cost of 1 sqm.				929.55
	Say				929.55

10.30 Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :

10.30.1 4.0 mm thick glass panes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 glass panes (area of each pane = 0.10 sqm)				
	MATERIAL				
	Area of glass panes = 1.00 sqm + Add wastage @ 10% = 0.10 Total = 1.10 sqm				
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.10	300.00	330.00
9977	CARRIAGE	L.S.	1.82	2.00	3.64
	LABOUR				
0119	Glazier	day	0.13	679.00	88.27
9999	Sundries, putty, glazing clips, scaffolding etc.	L.S.	125.58	2.00	251.16
	TOTAL				673.07 W
	Add 1 % Water charges on "W"				6.73
	TOTAL				679.80 X
	Add GST on "X" (multiplying factor 0.1405)				95.51
	TOTAL				775.31 Y
	Add 15% CPOH on "Y"				116.30
	TOTAL				891.61 Z
	Add Cess @ 1% on "Z"				8.92
	Cost of 1.0 sqm				900.53
	Say				900.55

10.30.2 5.5 mm thick glass panes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 glass panes (area of each pane = 0.10 sqm) MATERIAL Area of glass panes =1.00 sqm + Add wastage @ 10% = 0.10 Total =1.10 sqm				
2407	Float glass sheet of nominal thickness 5.5 mm.(weight not less than 13.50 kg/sqm).	sqm	1.10	500.00	550.00
9977	CARRIAGE LABOUR	L.S.	1.82	2.00	3.64
0119	Glazier	day	0.13	679.00	88.27
9999	Sundries, putty, glazing clips, scaffolding etc.	L.S.	125.58	2.00	251.16
	TOTAL				893.07 W
	Add 1 % Water charges on "W"				8.93
	TOTAL				902.00 X
	Add GST on "X" (multiplying factor 0.1405)				126.73
	TOTAL				1028.73 Y
	Add 15% CPOH on "Y"				154.31
	TOTAL				1183.04 Z
	Add Cess @ 1% on "Z"				11.83
	Cost of 1.0 sqm				1194.87
	Say				1194.85

10.31 Providing and fixing angle iron frames for doors, windows and ventilators of mild steel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer-In-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 17.50 kg MATERIAL Angle/Tee iron 40x40x6 mm= 2+2+1 = 5 m 5 Meters @3.5 Kg/m = 17.5 Kg+ Add Wastage @5% =0.87Kg."Total = 18.37 Kg. Say 0.18 Quintal				
1007	Structural steel such as tees, angles, channels and R.S. Joists	quintal	0.18	4600.00	828.00
1008	M.S. Flats 3x5 mm for fixing frame 6x0.05= 0.3 Metre @1.18 Kg/m= 0.354 Kg Add wastage @5% = 0.018 Kg Total= 0.37Kg. Say 0.0037 Qunital	quintal	0.0037	4500.00	16.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1002	M.S. Bars 10mm =1x1 m = 1Metre 1 Metre @0.60Kg/m =0.60Kg + Add wastage @5% = 0.03 Kg. Total =0.63 Kg, say 0.006 Quintal Mild steel round bars 10mm dia and below	quintal	0.006	4500.00	27.00
9999	For applying steel primer	L.S.	17.94	2.00	35.88
9999	Carriage of material	L.S.	5.33	2.00	10.66
1215	Welding by electric plant LABOUR	cm	16.00	2.00	32.00
0103	Blacksmith 2nd Class	day	0.10	679.00	67.90
0116	Fitter (Grade-I)	day	0.15	738.00	110.70
0114	Beldar	day	0.20	558.00	111.60
9999	Sundries	L.S.	8.97	2.00	17.94
	TOTAL				1258.33 W
	Add 1 % Water charges on "W"				12.58
	TOTAL				1270.91 X
	Add GST on "X" (multiplying factor 0.1405)				178.56
	TOTAL				1449.48 Y
	Add 15% CPOH on "Y"				217.42
	TOTAL				1666.90 Z
	Add Cess @ 1% on "Z"				16.67
	Cost for 17.50 kg				1683.57
	Rate per kg				96.20
	Say				96.20

SUB HEAD : 11.0
FLOORING

11.1 Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks:

11.1.1 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.565	4500.00	2542.50
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.35
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.434	4010.35	1740.49
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement	tonne	0.02	92.24	1.84
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.08	679.00	733.32
0114	Beldar	day	0.25	558.00	139.50
0115	Coolie	day	1.62	558.00	903.96
0101	Bhisti	day	0.27	617.00	166.59
	TOTAL				6483.35 W
	Add 1 % Water charges on "W"				64.83
	TOTAL				6548.19 X
	Add GST on "X" (multiplying factor 0.1405)				920.02
	TOTAL				7468.21 Y
	Add 15% CPOH on "Y"				1120.23
	TOTAL				8588.44 Z
	Add Cess @ 1% on "Z"				85.88
	Cost of 10 sqm.				8674.32
	Cost of 1 sqm.				867.43
	Say				867.45

11.1.2 1:6 (1cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.565	4500.00	2542.50
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.35
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.434	3356.15	1456.57
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement	tonne	0.02	92.24	1.84
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.08	679.00	733.32
0114	Beldar	day	0.25	558.00	139.50
0115	Coolie	day	1.62	558.00	903.96

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.27	617.00	166.59
	TOTAL				6199.43 W
	Add 1 % Water charges on "W"				61.99
	TOTAL				6261.43 X
	Add GST on "X" (multiplying factor 0.1405)				879.73
	TOTAL				7141.16 Y
	Add 15% CPOH on "Y"				1071.17
	TOTAL				8212.33 Z
	Add Cess @ 1% on "Z"				82.12
	Cost of 10 sqm.				8294.45
	Cost of 1 sqm.				829.45
	Say				829.45

11.2 Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
2602	MATERIAL				
	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.645	4500.00	2902.50
2201	Carriage of Bricks	1000 Nos	0.645	276.72	178.48
0983	Fine sand (zone IV)	cum	0.15	900.00	135.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.15	103.77	15.57
	Mud Mortar				
3.18	Rate as per Item Number 3.18 of SH: Mortars	cum	0.15	737.00	110.55
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.9	679.00	611.10
0115	Coolie	day	1.98	558.00	1104.84
0101	Bhisti	day	0.05	617.00	30.85
	TOTAL				5088.89 W
	Add 1 % Water charges on "W"				50.89
	TOTAL				5139.78 X
	Add GST on "X" (multiplying factor 0.1405)				722.14
	TOTAL				5861.92 Y
	Add 15% CPOH on "Y"				879.29
	TOTAL				6741.21 Z
	Add Cess @ 1% on "Z"				67.41
	Cost of 10 sqm.				6808.62
	Cost of 1 sqm.				680.86
	Say				680.85

11.3 Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.

11.3.1 40 mm thick with 20 mm nominal size stone aggregate

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.267	1350.00	360.45
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.089	1350.00	120.15
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.356	103.77	36.94
0982	Coarse sand (zone III)	cum	0.178	1350.00	240.30
2203	Carriage of Coarse sand	cum	0.178	103.77	18.47
0367	Portland Cement	tonne	0.17	4940.00	839.80
2209	Carriage of Cement	tonne	0.17	92.24	15.68
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	1.40	558.00	781.20
0101	Bhisti	day	1.04	617.00	641.68
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	738.00	22.14
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
9999	Sundries	L.S.	40.43	2.00	80.86
	TOTAL				3724.87 W
	Add 1 % Water charges on "W"				37.25
	TOTAL				3762.12 X
	Add GST on "X" (multiplying factor 0.1405)				528.58
	TOTAL				4290.70 Y
	Add 15% CPOH on "Y"				643.61
	TOTAL				4934.31 Z
	Add Cess @ 1% on "Z"				49.34
	Cost of 10 sqm.				4983.65
	Cost of 1 sqm.				498.36
	Say				498.35

11.4 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.267	1350.00	360.45

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.089	1350.00	120.15
2202	Carriage of Stone aggregate below 40 mm	cum	0.356	103.77	36.94
0982	Coarse sand (zone III)	cum	0.178	1350.00	240.30
2203	Carriage of Coarse sand	cum	0.178	103.77	18.47
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	0.115	1400.00	161.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.115	103.77	11.93
0367	Portland Cement	tonne	0.211	4940.00	1042.34
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement	tonne	0.231	92.24	21.31
7254	Hardening compound	litre	2.44	38.00	92.72
9977	Carriage of hard crete LABOUR	L.S.	2.73	2.00	5.46
0124	Mason (brick layer) 2nd class	day	2.15	679.00	1459.85
0114	Beldar	day	1.60	558.00	892.80
0115	Coolie	day	1.88	558.00	1049.04
0101	Bhisti	day	0.27	617.00	166.59
9999	Sundries	L.S.	53.82	2.00	107.64
	TOTAL				5885.79 W
	Add 1 % Water charges on "W"				58.86
	TOTAL				5944.65 X
	Add GST on "X" (multiplying factor 0.1405)				835.22
	TOTAL				6779.88 Y
	Add 15% CPOH on "Y"				1016.98
	TOTAL				7796.86 Z
	Add Cess @ 1% on "Z"				77.97
	Cost of 10 sqm.				7874.83
	Cost of 1 sqm.				787.48
	Say				787.50

11.5 62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.334	1350.00	450.90
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.111	1350.00	149.85
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.445	103.77	46.18

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0982	Coarse sand (zone III)	cum	0.222	1350.00	299.70
2203	Carriage of Coarse sand	cum	0.222	103.77	23.04
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	0.115	1400.00	161.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.115	103.77	11.93
0367	Portland Cement	tonne	0.243	4940.00	1200.42
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement	tonne	0.263	92.24	24.26
7254	Hardening compound	litre	2.44	38.00	92.72
9977	Carriage of Hardening compound	L.S.	2.73	2.00	5.46
	LABOUR				
0124	Mason (brick layer) 2nd class	day	2.15	679.00	1459.85
0114	Beldar	day	1.86	558.00	1037.88
0115	Coolie	day	1.88	558.00	1049.04
0101	Bhisti	day	0.27	617.00	166.59
9999	Sundries	L.S.	53.82	2.00	107.64
	TOTAL				6385.26 W
	Add 1 % Water charges on "W"				63.85
	TOTAL				6449.11 X
	Add GST on "X" (multiplying factor 0.1405)				906.10
	TOTAL				7355.21 Y
	Add 15% CPOH on "Y"				1103.28
	TOTAL				8458.49 Z
	Add Cess @ 1% on "Z"				84.58
	Cost of 10 sqm.				8543.08
	Cost of 1 sqm.				854.31
	Say				854.30

11.6 Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.

11.6.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
	Cement mortar 1:3 = 0.205 cum+				
	Add for rounding corners = 0.030 cum				
	= 0.235 cum.				
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.235	4664.55	1096.17
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement	tonne	0.02	92.24	1.84
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.88	679.00	1276.52
0115	Coolie	day	1.88	558.00	1049.04
0101	Bhisti	day	0.54	617.00	333.18

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				3895.07 W
	Add 1 % Water charges on "W"				38.95
	TOTAL				3934.02 X
	Add GST on "X" (multiplying factor 0.1405)				552.73
	TOTAL				4486.76 Y
	Add 15% CPOH on "Y"				673.01
	TOTAL				5159.77 Z
	Add Cess @ 1% on "Z"				51.60
	Cost of 10 sqm.				5211.37
	Cost of 1 sqm.				521.14
	Say				521.15

11.7 Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.3	Details of cost for one cum. MATERIAL Cement concrete 1:2:4 Rate as per item No.4.1.3 of S.H.Concrete Work	cum	1.00	6788.60	6788.60 A
	Extra labour for laying in floors etc.				
0124	Mason (brick layer) 2nd class	day	0.35	679.00	237.65
0114	Beldar	day	0.18	558.00	100.44
0101	Bhisti	day	0.05	617.00	30.85
9999	Sundries	L.S.	19.76	2.00	39.52
	TOTAL				7197.06 W
	Add 1 % Water charges on "W-A"				4.08
	TOTAL				7201.14 X
	Add GST on "X-A" (multiplying factor 0.1405)				57.96
	TOTAL				7259.11 Y
	Add 15% CPOH on "Y-A"				70.58
	TOTAL				7329.68 Z
	Add Cess @ 1% on "Z-A"				5.41
	Cost of 1 Cum.				7335.09
	Say				7335.10

11.8 Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. LABOUR				
0124	Mason (brick layer) 2nd class	day	0.36	679.00	244.44
0114	Beldar	day	0.36	558.00	200.88

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Chequered plate etc.	L.S.	13.52	2.00	27.04
	TOTAL				472.36 W
	Add 1 % Water charges on "W"				4.72
	TOTAL				477.08 X
	Add GST on "X" (multiplying factor 0.1405)				67.03
	TOTAL				544.11 Y
	Add 15% CPOH on "Y"				81.62
	TOTAL				625.73 Z
	Add Cess @ 1% on "Z"				6.26
	Cost of 10 sqm.				631.99
	Cost of 1 sqm.				63.20
	Say				63.20

11.9 40 mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 1 mm to 4 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume, including cement slurry etc. complete :

11.9.1 Dark shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
0296	For under layer of 34mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.227	1350.00	306.45
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.076	1350.00	102.60
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.303	103.77	31.44
0982	Coarse sand (zone III)	cum	0.151	1350.00	203.85
2203	Carriage of Coarse sand	cum	0.151	103.77	15.67
0367	Portland Cement	tonne	0.109	4940.00	538.46
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement	tonne	0.129	92.24	11.90
	for top layer 6mm thick				
0785	Marble chips upto 4mm and downsize White & black	quintal	0.872	189.00	164.81
2268	Carriage of Marble dust and marble chips	cum	0.051	103.77	5.29
0367	Portland Cement	tonne	0.0405	4940.00	200.07
2209	Carriage of Cement	tonne	0.0405	92.24	3.74
0784	Marble dust/ powder	cum	0.007	1130.00	7.91
0874	Black colour dark shade pigment 3.5kg/ 50kg of cement = 40.5x3.5/50=2.84kg	kilogram	2.84	70.00	198.80
9977	Carriage of pigment & marble powder etc.	L.S.	3.64	2.00	7.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	679.00	1215.41
0114	Beldar	day	1.99	558.00	1110.42
0101	Bhisti	day	1.04	617.00	641.68
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	738.00	22.14
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries	L.S.	161.46	2.00	322.92
	TOTAL				6330.64 W
	Add 1 % Water charges on "W"				63.31
	TOTAL				6393.94 X
	Add GST on "X" (multiplying factor 0.1405)				898.35
	TOTAL				7292.29 Y
	Add 15% CPOH on "Y"				1093.84
	TOTAL				8386.14 Z
	Add Cess @ 1% on "Z"				83.86
	Cost of 10 sqm				8470.00
	Cost of 1 sqm				847.00
	Say				847.00

11.9.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring	sqm	10.00	847.00	8470.00 A
	Add difference of cost due to using light shade pigment instead of dark shade pigment				
	Add for				
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	2.84	60.00	170.40
	Deduct for				
0874	Black colour dark shade pigment	kilogram	-2.84	70.00	-198.80
	Add difference of cost due to using white cement instead of grey cement				
	Add for				
0368	White Cement	tonne	0.0405	11200.00	453.60
	Deduct for				
0367	Portland Cement	tonne	-0.0405	4940.00	-200.07
	TOTAL				8695.13 W
	Add 1 % Water charges on "W-A"				2.25
	TOTAL				8697.38 X
	Add GST on "X-A" (multiplying factor 0.1405)				31.95
	TOTAL				8729.33 Y
	Add 15% CPOH on "Y-A"				38.90
	TOTAL				8768.23 Z
	Add Cess @ 1% on "Z-A"				2.98
	Cost of 10 sqm				8771.21
	Cost of 1 sqm				877.12
	Say				877.10

11.9.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	847.00	8470.00 A
0876	Green or blue medium shade pigment Deduct for	kilogram	2.84	56.00	159.04
0874	Black colour dark shade pigment Add difference of cost due to using white cement instead of grey cement Add for	kilogram	-2.84	70.00	-198.80
0368	White Cement Deduct for	tonne	0.0203	11200.00	227.36
0367	Portland Cement TOTAL	tonne	-0.0203	4940.00	-100.28
	Add 1 % Water charges on "W-A"				0.87
	TOTAL				8558.19 X
	Add GST on "X-A" (multiplying factor 0.1405) TOTAL				12.39
	Add 15% CPOH on "Y-A"				8570.58 Y
	TOTAL				15.09
	Add Cess @ 1% on "Z-A"				8585.67 Z
	Cost of 10 sqm				1.16
	Cost of 1 sqm				8586.83
	Say				858.68
					858.70

11.9.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL				
0296	For under layer of 34mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.227	1350.00	306.45
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.076	1350.00	102.60
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.303	103.77	31.44
0982	Coarse sand (zone III)	cum	0.151	1350.00	203.85
2203	Carriage of Coarse sand	cum	0.151	103.77	15.67
0367	Portland Cement	tonne	0.109	4940.00	538.46
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement for top layer 6mm thick	tonne	0.129	92.24	11.90
0785	Marble chips upto 4mm and downsize White & black	quintal	0.958	189.00	181.06
2268	Carriage of Marble dust and marble chips	cum	0.056	103.77	5.81
0368	White Cement	tonne	0.0405	11200.00	453.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of Cement	tonne	0.0405	92.24	3.74
0784	Marble dust/ powder	cum	0.007	1130.00	7.91
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	679.00	1215.41
0114	Beldar	day	1.99	558.00	1110.42
0101	Bhisti	day	1.04	617.00	641.68
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	738.00	22.14
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries	L.S.	161.46	2.00	322.92
	TOTAL				6394.86 W
	Add 1 % Water charges on "W"				63.95
	TOTAL				6458.81 X
	Add GST on "X" (multiplying factor 0.1405)				907.46
	TOTAL				7366.27 Y
	Add 15% CPOH on "Y"				1104.94
	TOTAL				8471.21 Z
	Add Cess @ 1% on "Z"				84.71
	Cost of 10 sqm				8555.92
	Cost of 1 sqm				855.59
	Say				855.60

11.9.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring	sqm	10.00	847.00	8470.00 A
	Add difference of cost due to using light shade pigment instead of dark shade pigment				
	Add for				
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	2.84	60.00	170.40
	Deduct for				
0874	Black colour dark shade pigment	kilogram	-2.84	70.00	-198.80
	TOTAL				8441.60 W
	Add 1 % Water charges on "W-A"				-0.28
	TOTAL				8441.32 X
	Add GST on "X-A" (multiplying factor 0.1405)				-4.03
	TOTAL				8437.29 Y
	Add 15% CPOH on "Y-A"				-4.91
	TOTAL				8432.38 Z
	Add Cess @ 1% on "Z-A"				-0.38
	Cost of 10 sqm				8432.00
	cost of 1 sqm				843.20
	Say				843.20

11.9.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring Less cost of dark shade pigment	sqm	10.00	847.00	8470.00 A
0874	Deduct for Black colour dark shade pigment	kilogram	-2.84	70.00	-198.80
9999	Deduct for carriage of pigment	L.S.	-7.38	2.00	-14.76
	TOTAL				8256.44 W
	Add 1 % Water charges on "W-A"				-2.14
	TOTAL				8254.30 X
	Add GST on "X-A" (multiplying factor 0.1405)				-30.31
	TOTAL				8224.00 Y
	Add 15% CPOH on "Y-A"				-36.90
	TOTAL				8187.10 Z
	Add Cess @ 1% on "Z-A"				-2.83
	Cost of 10 sqm				8184.27
	cost of 1 sqm				818.43
	Say				818.45

11.10 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 9 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4 mm to 7 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume, including cement slurry etc. complete.

11.10.1 Dark shade pigment with Ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL				
0296	For Under layer of 31 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.21	1350.00	283.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.07	1350.00	94.50
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.28	103.77	29.06
0982	Coarse sand (zone III)	cum	0.14	1350.00	189.00
2203	Carriage of Coarse sand	cum	0.14	103.77	14.53
0367	Portland Cement	tonne	0.1005	4940.00	496.47
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement for top layer 9mm thick	tonne	0.1205	92.24	11.11
0788	Marble chips large size above 4 mm White & black	quintal	1.40	250.00	350.00
2268	Carriage of Marble dust and marble chips	cum	0.082	103.77	8.51
0367	Portland Cement	tonne	0.0578	4940.00	285.53

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of Cement	tonne	0.0578	92.24	5.33
0784	Marble dust/ powder	cum	0.012	1130.00	13.56
0874	Black colour dark shade pigment 3.5kg/ 50kg of cement = 57.80x3.5/50=4.05kg	kilogram	4.05	70.00	283.50
9977	Carriage of pigment & marble powder etc. LABOUR	L.S.	5.46	2.00	10.92
0124	Mason (brick layer) 2nd class	day	1.79	679.00	1215.41
0114	Beldar	day	1.99	558.00	1110.42
0101	Bhisti	day	1.04	617.00	641.68
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	738.00	22.14
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries	L.S.	134.55	2.00	269.10
	TOTAL				6554.07 W
	Add 1 % Water charges on "W"				65.54
	TOTAL				6619.61 X
	Add GST on "X" (multiplying factor 0.1405)				930.06
	TOTAL				7549.67 Y
	Add 15% CPOH on "Y"				1132.45
	TOTAL				8682.12 Z
	Add Cess @ 1% on "Z"				86.82
	Cost of 10 sqm				8768.94
	Cost of 1 sqm				876.89
	Say				876.90

11.10.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.10.1	Details of cost for 10 sqm Rate as per item no 11.10.1 of SH: Flooring	sqm	10.00	876.90	8769.00 A
	Add difference of cost due to using light shade pigment instead of dark shade pigment				
	Add for				
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	4.05	60.00	243.00
	Deduct for				
0874	Black colour dark shade pigment	kilogram	-4.05	70.00	-283.50
	Add difference of cost due to using white cement instead of grey cement				
	Add for				
0368	White Cement	tonne	0.0578	11200.00	647.36
	Deduct for				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	-0.0578	4940.00	-285.53
	TOTAL				9090.33 W
	Add 1 % Water charges on "W-A"				3.21
	TOTAL				9093.54 X
	Add GST on "X-A" (multiplying factor 0.1405)				45.60
	TOTAL				9139.14 Y
	Add 15% CPOH on "Y-A"				55.52
	TOTAL				9194.66 Z
	Add Cess @ 1% on "Z-A"				4.26
	Cost of 10 sqm				9198.92
	Cost of 1 sqm				919.89
	Say				919.90

11.10.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.10.1	Details of cost for 10 sqm Rate as per item no 11.10.1 of SH: Flooring	sqm	10.00	876.90	8769.00 A
	Add difference of cost due to using light shade pigment instead of dark shade pigment				
	Add for				
0876	Green or blue medium shade pigment	kilogram	4.05	56.00	226.80
	Deduct for				
0874	Black colour dark shade pigment	kilogram	-4.05	70.00	-283.50
	Add difference of cost due to using white cement instead of grey cement				
	Add for				
0368	White Cement	tonne	0.0289	11200.00	323.68
	Deduct for				
0367	Portland Cement	tonne	-0.0289	4940.00	-142.77
	TOTAL				8893.21 W
	Add 1 % Water charges on "W-A"				1.24
	TOTAL				8894.46 X
	Add GST on "X-A" (multiplying factor 0.1405)				17.63
	TOTAL				8912.08 Y
	Add 15% CPOH on "Y-A"				21.46
	TOTAL				8933.55 Z
	Add Cess @ 1% on "Z-A"				1.65
	Cost of 10 sqm				8935.19
	Cost of 1 sqm				893.52
	Say				893.50

11.10.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
0296	For Under layer of 31 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.21	1350.00	283.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.07	1350.00	94.50
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.28	103.77	29.06
0982	Coarse sand (zone III)	cum	0.14	1350.00	189.00
2203	Carriage of Coarse sand	cum	0.14	103.77	14.53
0367	Portland Cement	tonne	0.1005	4940.00	496.47
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement for top layer 9mm thick	tonne	0.1205	92.24	11.11
0788	Marble chips large size above 4 mm White & black	quintal	1.40	250.00	350.00
2268	Carriage of Marble dust and marble chips	cum	0.082	103.77	8.51
0368	White Cement	tonne	0.0578	11200.00	647.36
2209	Carriage of Cement	tonne	0.0578	92.24	5.33
0784	Marble dust/ powder	cum	0.012	1130.00	13.56
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	679.00	1215.41
0114	Beldar	day	1.99	558.00	1110.42
0101	Bhisti	day	1.04	617.00	641.68
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	738.00	22.14
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries	L.S.	161.46	2.00	322.92
	TOTAL				6675.30 W
	Add 1 % Water charges on "W"				66.75
	TOTAL				6742.05 X
	Add GST on "X" (multiplying factor 0.1405)				947.26
	TOTAL				7689.31 Y
	Add 15% CPOH on "Y"				1153.40
	TOTAL				8842.71 Z
	Add Cess @ 1% on "Z"				88.43
	Cost of 10 sqm				8931.13
	Cost of 1 sqm				893.11
	Say				893.10

11.10.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.10.1	Details of cost for 10 sqm Rate as per item no 11.10.1 of SH: Flooring	sqm	10.00	876.90	8769.00 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add difference of cost due to using light shade pigment instead of dark shade pigment				
0875	Add for Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	2.84	60.00	170.40
0874	Deduct for Black colour dark shade pigment	kilogram	-2.84	70.00	-198.80
	TOTAL				8740.60 W
	Add 1 % Water charges on "W-A"				-0.28
	TOTAL				8740.32 X
	Add GST on "X-A" (multiplying factor 0.1405)				-4.03
	TOTAL				8736.29 Y
	Add 15% CPOH on "Y-A"				-4.91
	TOTAL				8731.38 Z
	Add Cess @ 1% on "Z-A"				-0.38
	Cost of 10 sqm				8731.00
	cost of 1 sqm				873.10
	Say				873.10

11.10.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
0296	For under layer 31 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.21	1350.00	283.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.07	1350.00	94.50
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.28	103.77	29.06
0982	Coarse sand (zone III)	cum	0.14	1350.00	189.00
2203	Carriage of Coarse sand	cum	0.14	103.77	14.53
0367	Portland Cement	tonne	0.1005	4940.00	496.47
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement	tonne	0.1205	92.24	11.11
0788	for top layer 9mm thick Marble chips large size above 4 mm White & black	quintal	1.40	250.00	350.00
2268	Carriage of Marble dust and marble chips	cum	0.082	103.77	8.51
0367	Portland Cement	tonne	0.0578	4940.00	285.53
2209	Carriage of Cement	tonne	0.0578	92.24	5.33
0784	Marble dust/ powder	cum	0.012	1130.00	13.56
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	679.00	1215.41
0114	Beldar	day	1.99	558.00	1110.42
0101	Bhisti	day	1.04	617.00	641.68
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	738.00	22.14

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries	L.S.	134.55	2.00	269.10
	TOTAL				6259.65 W
	Add 1 % Water charges on "W"				62.60
	TOTAL				6322.25 X
	Add GST on "X" (multiplying factor 0.1405)				888.28
	TOTAL				7210.52 Y
	Add 15% CPOH on "Y"				1081.58
	TOTAL				8292.10 Z
	Add Cess @ 1% on "Z"				82.92
	Cost of 10 sqm				8375.02
	Cost of 1 sqm				837.50
	Say				837.50

11.11 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 12 mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7 mm to 10 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume, including cement slurry etc. complete :

11.11.1 Dark shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
	For under layer 28 mm thick				
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.19	1350.00	256.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.06	1350.00	81.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.25	103.77	25.94
0982	Coarse sand (zone III)	cum	0.125	1350.00	168.75
2203	Carriage of Coarse sand	cum	0.125	103.77	12.97
0367	Portland Cement	tonne	0.0897	4940.00	443.12
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement	tonne	0.1097	92.24	10.12
	For top layer 12mm thick				
0788	Marble chips large size above 4 mm White & black	quintal	1.734	250.00	433.50
2268	Carriage of Marble dust and marble chips	cum	0.102	103.77	10.58
0367	Portland Cement	tonne	0.081	4940.00	400.14
2209	Carriage of Cement	tonne	0.081	92.24	7.47
0784	Marble dust/ powder	cum	0.017	1130.00	19.21
0874	Black colour dark shade pigment @ 3.5kg/50kg of cement = $81 \times 3.5 / 50 = 5.67$ kg	kilogram	5.67	70.00	396.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of pigment and marble powder etc.	L.S.	6.24	2.00	12.48
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	679.00	1215.41
0114	Beldar	day	1.99	558.00	1110.42
0101	Bhisti	day	1.04	617.00	641.68
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	738.00	22.14
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries	L.S.	156.13	2.00	312.26
	TOTAL				6800.40 W
	Add 1 % Water charges on "W"				68.00
	TOTAL				6868.40 X
	Add GST on "X" (multiplying factor 0.1405)				965.01
	TOTAL				7833.41 Y
	Add 15% CPOH on "Y"				1175.01
	TOTAL				9008.42 Z
	Add Cess @ 1% on "Z"				90.08
	Cost of 10 sqm.				9098.51
	Cost of 1 sqm.				909.85
	Say				909.85

11.11.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.11.1	Details of cost for 10 sqm Rate as per Item Number 11.11.1 of SH: Flooring	sqm	10.00	909.85	9098.50 A
	Add difference of cost due to using light shade pigment instead of dark shade pigment				
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	5.67	60.00	340.20
	Deduct				
0874	Black colour dark shade pigment	kilogram	-5.67	70.00	-396.90
	Add Difference of cost due to using white cement instead of grey cement				
	Add for				
0368	White Cement	tonne	0.081	11200.00	907.20
	Deduct for				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	-0.081	4940.00	-400.14
	TOTAL				9548.86 W
	Add 1 % Water charges on "W-A"				4.50
	TOTAL				9553.36 X
	Add GST on "X-A" (multiplying factor 0.1405)				63.91
	TOTAL				9617.27 Y
	Add 15% CPOH on "Y-A"				77.82
	TOTAL				9695.09 Z
	Add Cess @ 1% on "Z-A"				5.97
	Cost of 10 sqm.				9701.05
	Cost of 1 sqm.				970.11
	Say				970.10

11.11.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.11.1	Details of cost for 10 sqm Rate as per Item Number 11.11.1 of SH: Flooring	sqm	10.00	909.85	9098.50 A
	Add difference of cost due to using Medium shade pigment instead of dark shade pigment				
	Add for				
0876	Green or blue medium shade pigment	kilogram	5.67	56.00	317.52
	Deduct for				
0874	Black colour dark shade pigment	kilogram	-5.67	70.00	-396.90
	Add Difference of cost due to using white cement instead of grey cement				
	Add for				
0368	White Cement	tonne	0.0405	11200.00	453.60
	Deduct for				
0367	Portland Cement	tonne	-0.0405	4940.00	-200.07
	TOTAL				9272.65 W
	Add 1 % Water charges on "W-A"				1.74
	TOTAL				9274.39 X
	Add GST on "X-A" (multiplying factor 0.1405)				24.71
	TOTAL				9299.10 Y
	Add 15% CPOH on "Y-A"				30.09
	TOTAL				9329.19 Z
	Add Cess @ 1% on "Z-A"				2.31
	Cost of 10 sqm.				9331.50
	Cost of 1 sqm.				933.15
	Say				933.15

11.11.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
	For under layer 28 mm thick				
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.19	1350.00	256.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.06	1350.00	81.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.25	103.77	25.94
0982	Coarse sand (zone III)	cum	0.125	1350.00	168.75
2203	Carriage of Coarse sand	cum	0.125	103.77	12.97
0367	Portland Cement	tonne	0.0897	4940.00	443.12
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement	tonne	0.1097	92.24	10.12
	For Top layer 12 mm thick				
0788	Marble chips large size above 4 mm White & black	quintal	1.916	250.00	479.00
2268	Carriage of Marble dust and marble chips	cum	0.1128	103.77	11.71
0368	White Cement	tonne	0.081	11200.00	907.20
2209	Carriage of Cement	tonne	0.081	92.24	7.47
0784	Marble dust/ powder	cum	0.017	1130.00	19.21
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	679.00	1215.41
0114	Beldar	day	1.99	558.00	1110.42
0101	Bhisti	day	1.04	617.00	641.68
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	738.00	22.14
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries	L.S.	134.55	2.00	269.10
	TOTAL				6901.54 W
	Add 1 % Water charges on "W"				69.02
	TOTAL				6970.55 X
	Add GST on "X" (multiplying factor 0.1405)				979.36
	TOTAL				7949.92 Y
	Add 15% CPOH on "Y"				1192.49
	TOTAL				9142.40 Z
	Add Cess @ 1% on "Z"				91.42
	Cost of 10 sqm.				9233.83
	Cost of 1 sqm.				923.38
	Say				923.40

11.11.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.11.1	Details of cost for 10 sqm Rate as per Item Number 11.11.1 of SH:Flooring Add difference of cost due to using Light shade pigment instead of dark shade pigment Add for	sqm	10.00	909.85	9098.50 A
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	5.67	60.00	340.20
0874	Black colour dark shade pigment TOTAL	kilogram	-5.67	70.00	-396.90 9041.80 W
	Add 1 % Water charges on "W-A" TOTAL				-0.57 9041.23 X
	Add GST on "X-A" (multiplying factor 0.1405) TOTAL				-8.05 9033.19 Y
	Add 15% CPOH on "Y-A" TOTAL				-9.80 9023.39 Z
	Add Cess @ 1% on "Z-A"				-0.75
	Cost of 10 sqm.				9022.64
	Cost of 1 sqm.				902.26
	Say				902.25

11.11.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL				
0296	For under layer 28 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.19	1350.00	256.50
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.06	1350.00	81.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.25	103.77	25.94
0982	Coarse sand (zone III)	cum	0.125	1350.00	168.75
2203	Carriage of Coarse sand	cum	0.125	103.77	12.97
0367	Portland Cement	tonne	0.0897	4940.00	443.12
0367	Portland Cement	tonne	0.02	4940.00	98.80
2209	Carriage of Cement	tonne	0.1097	92.24	10.12
0788	For Top layer 12mm thick Marble chips large size above 4 mm White & black	quintal	1.916	250.00	479.00
2268	Carriage of Marble dust and marble chips	cum	0.1128	103.77	11.71
0367	Portland Cement	tonne	0.081	4940.00	400.14
2209	Carriage of Cement	tonne	0.081	92.24	7.47
0784	Marble dust/ powder	cum	0.017	1130.00	19.21

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	679.00	1215.41
0114	Beldar	day	1.99	558.00	1110.42
0101	Bhisti	day	1.04	617.00	641.68
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	738.00	22.14
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries	L.S.	134.55	2.00	269.10
	TOTAL				6394.48 W
	Add 1 % Water charges on "W"				63.94
	TOTAL				6458.42 X
	Add GST on "X" (multiplying factor 0.1405)				907.41
	TOTAL				7365.83 Y
	Add 15% CPOH on "Y"				1104.87
	TOTAL				8470.70 Z
	Add Cess @ 1% on "Z"				84.71
	Cost of 10 sqm.				8555.41
	Cost of 1 sqm.				855.54
	Say				855.55

11.12 Marble chips skirting up to 30 cm height, rubbed and polished to granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume :

11.12.1 18 mm thick with under layer 12 mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) :

11.12.1.1 Dark shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
	For under layer of 12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) = 0.144 + Extra for rounding = 0.03 =0.174				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.174	4664.55	811.63
	Top layer 6mm thick				
0785	Marble chips upto 4mm and downsize White & black	quintal	0.872	189.00	164.81
2268	Carriage of Marble dust and marble chips	cum	0.051	103.77	5.29
0367	Portland Cement	tonne	0.0405	4940.00	200.07
2209	Carriage of Cement	tonne	0.0405	92.24	3.74

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0784	Marble dust/ powder	cum	0.007	1130.00	7.91
0874	Black colour dark shade pigment @ 3.5kg/50kg of cement =40.5x3.5/50=2.84kg	kilogram	2.84	70.00	198.80
9977	Carriage of pigment & marble powder etc. LABOUR	L.S.	3.64	2.00	7.28
0124	Mason (brick layer) 2nd class	day	3.00	679.00	2037.00
0114	Beldar	day	3.00	558.00	1674.00
0101	Bhisti	day	1.00	617.00	617.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.00	617.00	4319.00
9999	Sundries	L.S.	201.89	2.00	403.78
	TOTAL				10450.31 W
	Add 1 % Water charges on "W"				104.50
	TOTAL				10554.81 X
	Add GST on "X" (multiplying factor 0.1405)				1482.95
	TOTAL				12037.76 Y
	Add 15% CPOH on "Y"				1805.66
	TOTAL				13843.43 Z
	Add Cess @ 1% on "Z"				138.43
	Cost of 10 sqm.				13981.86
	Cost of 1 sqm.				1398.19
	Say				1398.20

11.12.1.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH: Flooring	sqm	10.00	1398.20	13982.00 A
	Add difference of cost due to using light shade pigment instead of dark shade pigment				
	Add for				
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	2.84	60.00	170.40
	Deduct for				
0874	Black colour dark shade pigment	kilogram	-2.84	70.00	-198.80
	Add Difference of cost due to using white cement instead of grey cement				
	Add for				
0368	White Cement	tonne	0.0405	11200.00	453.60
	Deduct for				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	-0.0405	4940.00	-200.07
	TOTAL				14207.13 W
	Add 1 % Water charges on "W-A"				2.25
	TOTAL				14209.38 X
	Add GST on "X-A" (multiplying factor 0.1405)				31.95
	TOTAL				14241.33 Y
	Add 15% CPOH on "Y-A"				38.90
	TOTAL				14280.23 Z
	Add Cess @ 1% on "Z-A"				2.98
	Cost of 10 sqm.				14283.21
	Cost of 1 sqm.				1428.32
	Say				1428.30

11.12.1.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH:Flooring	sqm	10.00	1398.20	13982.00 A
	Add difference of cost due to using medium shade pigment instead of dark shade pigment				
	Add for				
0876	Green or blue medium shade pigment	kilogram	2.84	56.00	159.04
	Deduct for				
0874	Black colour dark shade pigment	kilogram	-2.84	70.00	-198.80
	Add Difference of cost due to using white cement instead of grey cement				
	Add for				
0368	White Cement	tonne	0.0203	11200.00	227.36
	Deduct for				
0367	Portland Cement	tonne	-0.0203	4940.00	-100.28
	TOTAL				14069.32 W
	Add 1 % Water charges on "W-A"				0.87
	TOTAL				14070.19 X
	Add GST on "X-A" (multiplying factor 0.1405)				12.39
	TOTAL				14082.58 Y
	Add 15% CPOH on "Y-A"				15.09
	TOTAL				14097.67 Z
	Add Cess @ 1% on "Z-A"				1.16
	Cost of 10 sqm.				14098.83
	Cost of 1 sqm.				1409.88
	Say				1409.90

11.12.1.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Details of cost for 10 sqm MATERIAL For under layer of 12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) = 0.144+ Extra for rounding = 0.03 Total =0.174 Rate as per Item Number 3.8 of SH: Mortars	cum	0.174	4664.55	811.63
0785	Top layer 6mm thick Marble chips upto 4mm and downsize White & black	quintal	0.958	189.00	181.06
2268	Carriage of Marble dust and marble chips	cum	0.056	103.77	5.81
0368	White Cement	tonne	0.0405	11200.00	453.60
2209	Carriage of Cement	tonne	0.0405	92.24	3.74
0784	Marble dust/ powder	cum	0.007	1130.00	7.91
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.00	679.00	2037.00
0114	Beldar	day	3.00	558.00	1674.00
0101	Bhisti	day	1.00	617.00	617.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.00	617.00	4319.00
9999	Sundries	L.S.	201.89	2.00	403.78
	TOTAL				10514.53 W
	Add 1 % Water charges on "W"				105.15
	TOTAL				10619.68 X
	Add GST on "X" (multiplying factor 0.1405)				1492.06
	TOTAL				12111.74 Y
	Add 15% CPOH on "Y"				1816.76
	TOTAL				13928.50 Z
	Add Cess @ 1% on "Z"				139.29
	Cost of 10 sqm.				14067.79
	Cost of 1 sqm.				1406.78
	Say				1406.80

11.12.1.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH: Flooring Add difference of cost due to using Light shade pigment instead of dark shade pigment Add for	sqm	10.00	1398.20	13982.00 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	2.84	60.00	170.40
0874	Deduct for Black colour dark shade pigment	kilogram	-2.84	70.00	-198.80
	TOTAL				13953.60 W
	Add 1 % Water charges on "W-A"				-0.28
	TOTAL				13953.32 X
	Add GST on "X-A" (multiplying factor 0.1405)				-4.03
	TOTAL				13949.29 Y
	Add 15% CPOH on "Y-A"				-4.91
	TOTAL				13944.38 Z
	Add Cess @ 1% on "Z-A"				-0.38
	Cost of 10 sqm.				13944.00
	Cost of 1 sqm.				1394.40
	Say				1394.40

11.12.1.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm				
	Rate as per Item Number 11.12.1.1 of SH: Flooring	sqm	10.00	1398.20	13982.00 A
	Less cost of dark shade pigment				
0874	Deduct for Black colour dark shade pigment	kilogram	-2.84	70.00	-198.80
9999	Deduct for Carriage of pigment	L.S.	-3.64	2.00	-7.28
2268	Marble dust and/or marble chips	cum	0.007	103.77	0.73
	TOTAL				13776.65 W
	Add 1 % Water charges on "W-A"				-2.05
	TOTAL				13774.59 X
	Add GST on "X-A" (multiplying factor 0.1405)				-29.14
	TOTAL				13745.45 Y
	Add 15% CPOH on "Y-A"				-35.48
	TOTAL				13709.97 Z
	Add Cess @ 1% on "Z-A"				-2.72
	Cost of 10 sqm.				13707.25
	Cost of 1 sqm.				1370.72
	Say				1370.70

11.13 Providing and fixing glass strips in joints of terrazo/ cement concrete floors.
11.13.1 40 mm wide and 4 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metre length				
	MATERIAL				
	Glass strips = 10m				
	Add 10% for wastage = 1m				
	Total = 11m				
1149	Glass strip 4 mm thick 40 mm deep	metre	11.00	20.00	220.00
9977	Carriage of glass	L.S.	2.73	2.00	5.46
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.25	679.00	169.75
0114	Beldar	day	0.25	558.00	139.50
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				561.75 W
	Add 1 % Water charges on "W"				5.62
	TOTAL				567.37 X
	Add GST on "X" (multiplying factor 0.1405)				79.72
	TOTAL				647.08 Y
	Add 15% CPOH on "Y"				97.06
	TOTAL				744.15 Z
	Add Cess @ 1% on "Z"				7.44
	Cost of 10 metre				751.59
	Cost of 1 metre				75.16
	Say				75.15

11.14 Extra for laying terrazo flooring on staircase treads not exceeding 30 cm in width, including cost of forming, nosing etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.30	679.00	203.70
0114	Beldar	day	0.30	558.00	167.40
0115	Coolie	day	0.30	558.00	167.40
	TOTAL				538.50 W
	Add 1 % Water charges on "W"				5.39
	TOTAL				543.89 X
	Add GST on "X" (multiplying factor 0.1405)				76.42
	TOTAL				620.30 Y
	Add 15% CPOH on "Y"				93.05
	TOTAL				713.35 Z
	Add Cess @ 1% on "Z"				7.13
	Cost of 10 Sqm.				720.48
	Cost of 1sqm.				72.05
	Say				72.05

- 11.15 Crazy marble stone flooring, including filling the gaps with light shade pigment with white cement marble powder mixture (3 parts of white cement : 1 part of marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 white, black or white and black marble chips of sizes from 1 mm to 4 mm nominal size by volume), with under layer 25 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size), including rubbing, polishing and cement slurry etc. complete :**
- 11.15.1 18 mm thick crazy marble stone white, black or as specified**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.7	Details of cost for 10 sqm. Under layer 25mm thick of cement concrete 1:2:4 -10x0.025=0.25 cum Rate as per Item Number 11.7 of SH: Flooring Cement slurry for subgrade and under large cement	cum	0.25	7335.10	1833.78 A
0367	Portland Cement	tonne	0.04	4940.00	197.60
2209	Carriage of Cement	tonne	0.04	92.24	3.69
	Labour for applying cement slurry				
0114	Beldar	day	0.50	558.00	279.00
	Top layer with marble pieces and gap filling with marble powder mixture Marble pieces for crazy flooring (Assume 70% of marble stone are and 30% of joint filler/mixture 7sqmx0.02m = 0.14 cum 0.872x0.14/0.051 = 2.40q White marble makrana second quality plain veined stone pieces for crazy flooring	quintal	2.40	150.00	360.00
0368	White Cement	tonne	0.0405	11200.00	453.60
0784	Marble dust/ powder	cum	0.007	1130.00	7.91
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment @ 3.5kg/50kg of cement = 40.5x3.5/50=2.84kg	kilogram	2.84	60.00	170.40
0785	Marble chips upto 4mm and downsize White & black	quintal	0.872	189.00	164.81
2268	Carriage of Marble dust and marble chips	cum	0.051	103.77	5.29
2209	Carriage of Cement	tonne	0.0405	92.24	3.74
9977	Carriage of pigment & marble powder	L.S.	3.64	2.00	7.28
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.24	92.24	22.14
	Labour for finishing, polishing and fixing-				
0123	Mason (brick layer) 1st class	day	1.20	738.00	885.60
0114	Beldar	day	1.00	558.00	558.00
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00
9999	Sundries including carborandum etc.	L.S.	134.55	2.00	269.10
0101	Bhisti	day	0.54	617.00	333.18

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
	TOTAL				10398.11 W
	Add 1 % Water charges on "W-A"				85.64
	TOTAL				10483.75 X
	Add GST on "X-A" (multiplying factor 0.1405)				1215.32
	TOTAL				11699.07 Y
	Add 15% CPOH on "Y-A"				1479.79
	TOTAL				13178.87 Z
	Add Cess @ 1% on "Z-A"				113.45
	Cost of 10 Sqm.				13292.32
	Cost of 1sqm.				1329.23
	Say				1329.25

11.16 Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm, laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement:4 coarse sand) :

11.16.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
1201	Precast terrazo tiles 22 mm thick	sqm	11.00	285.00	3135.00
	(light shade) including 10% wastage				
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
0367	Portland Cement	tonne	0.044	4940.00	217.36
	Grey cement for slurry @ 4.4kg/sqm.				
0368	White Cement	tonne	0.044	11200.00	492.80
	for grouting				
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	60.00	184.80
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0101	Bhisti	day	1.00	617.00	617.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including carborandum stone etc.	L.S.	161.98	2.00	323.96
	TOTAL				9257.62 W
	Add 1 % Water charges on "W"				92.58
	TOTAL				9350.19 X
	Add GST on "X" (multiplying factor 0.1405)				1313.70
	TOTAL				10663.89 Y
	Add 15% CPOH on "Y"				1599.58
	TOTAL				12263.48 Z
	Add Cess @ 1% on "Z"				122.63
	Cost of 10 sqm.				12386.11
	Cost of 1 sqm.				1238.61
	Say				1238.60

11.16.2 Medium shade pigment using 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1202	Details of cost for 10 sqm. MATERIAL Precast terrazzo tiles 22 mm thick (medium shade) including 10% wastage	sqm	11.00	265.00	2915.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
0367	Grey cement (i) for slurry @ 4.4kg/sqm =44 kg.+ (ii) 50% for grouting = 22kg. Total =66kg or 0.066 tonne	tonne	0.066	4940.00	326.04
0368	Portland Cement	tonne	0.022	11200.00	246.40
2209	White Cement	tonne	0.088	92.24	8.12
0876	Carriage of Cement	kilogram	3.08	56.00	172.48
0124	Green or blue medium shade pigment				
0115	LABOUR Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0139	Coolie	day	2.00	558.00	1116.00
0101	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0013	Bhisti	day	1.00	617.00	617.00
9999	Machine for rubbing of floors	day	1.60	300.00	480.00
	Sundries including carborandum stone etc.	L.S.	161.98	2.00	323.96
	TOTAL				8887.58 W
	Add 1 % Water charges on "W"				88.88
	TOTAL				8976.45 X
	Add GST on "X" (multiplying factor 0.1405)				1261.19
	TOTAL				10237.64 Y
	Add 15% CPOH on "Y"				1535.65
	TOTAL				11773.29 Z
	Add Cess @ 1% on "Z"				117.73
	Cost of 10 sqm.				11891.02
	Cost of 1 sqm.				1189.10
	Say				1189.10

11.16.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1203	Details of cost for 10 sqm. MATERIAL Precast terrazzo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	245.00	2695.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
0367	Ordinary cement for (i) Cement slurry @ 4.4kg/sqm = 44kg+ (ii) Grouting = 44 kg. Total = 88kg or 0.088 tonne	tonne	0.088	4940.00	434.72
	Portland Cement				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0101	Bhisti	day	1.00	617.00	617.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including carborandum stone etc.	L.S.	161.98	2.00	323.96
	TOTAL				8572.98 W
	Add 1 % Water charges on "W"				85.73
	TOTAL				8658.71 X
	Add GST on "X" (multiplying factor 0.1405)				1216.55
	TOTAL				9875.25 Y
	Add 15% CPOH on "Y"				1481.29
	TOTAL				11356.54 Z
	Add Cess @ 1% on "Z"				113.57
	Cost of 10 sqm.				11470.11
	Cost of 1 sqm.				1147.01
	Say				1147.00

11.16.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
1203	Precast terrazo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	245.00	2695.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
	Ordinary cement for				
	(i) Cement slurry @ 4.4kg/sqm = 44kg+				
	(ii) Grouting = 44 kg.				
	Total = 88kg or 0.088 tonne				
0367	Portland Cement	tonne	0.088	4940.00	434.72
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0101	Bhisti	day	1.00	617.00	617.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including carborandum stone etc.	L.S.	161.98	2.00	323.96
	Less for dark shade pigment [3.08 + 2.84 = 5.92 (for tiles)]				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0874	Black colour dark shade pigment	kilogram	-5.92	70.00	-414.40
	TOTAL				8158.58 W
	Add 1 % Water charges on "W"				81.59
	TOTAL				8240.16 X
	Add GST on "X" (multiplying factor 0.1405)				1157.74
	TOTAL				9397.90 Y
	Add 15% CPOH on "Y"				1409.69
	TOTAL				10807.59 Z
	Add Cess @ 1% on "Z"				108.08
	Cost of 10 sqm.				10915.67
	Cost of 1 sqm.				1091.57
	Say				1091.55

11.17 Extra if terrazzo tiles are laid in treads of steps not exceeding 30 cm in width.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.22	679.00	149.38
0115	Coolie	day	0.22	558.00	122.76
0139	Skilled Beldar (for floor rubbing etc.)	day	0.65	617.00	401.05
	TOTAL				673.19 W
	Add 1 % Water charges on "W"				6.73
	TOTAL				679.92 X
	Add GST on "X" (multiplying factor 0.1405)				95.53
	TOTAL				775.45 Y
	Add 15% CPOH on "Y"				116.32
	TOTAL				891.77 Z
	Add Cess @ 1% on "Z"				8.92
	Cost of 10 sqm.				900.69
	Cost of 1 sqm.				90.07
	Say				90.05

11.18 Precast terrazzo tiles 22 mm thick with graded marble chips of sizes upto 12 mm, in skirting and risers of steps not exceeding 30 cm in height, on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand), jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of :

11.18.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
1201	Precast terrazzo tiles 22 mm thick (light shade) including 10% wastage	sqm	11.00	285.00	3135.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1:3 (1 cement : 3 coarse sand)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of				
0368	SH: Mortars	cum	0.144	4664.55	671.70
	White Cement	tonne	0.066	11200.00	739.20
	For slurry				
	For buttering tiles bed sides =44 kg. +				
	For grouting =22 kg.				
	Total = 66 kg				
2209	Carriage of Cement	tonne	0.066	92.24	6.09
0875	Red, chocolate, orange, buff or yellow				
	(red oxide of iron) light shade pigment	kilogram	4.62	60.00	277.20
	66x3.5/50 = 4.62				
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	679.00	2206.75
0115	Coolie	day	3.25	558.00	1813.50
0139	Skilled Beldar (for floor rubbing etc.)	day	7.6	617.00	4689.20
9999	Sundries including carborandum				
	stone and polishing powder etc.	L.S.	161.46	2.00	322.92
	TOTAL				13942.41 W
	Add 1 % Water charges on "W"				139.42
	TOTAL				14081.84 X
	Add GST on "X" (multiplying factor				
	0.1405)				1978.50
	TOTAL				16060.34 Y
	Add 15% CPOH on "Y"				2409.05
	TOTAL				18469.39 Z
	Add Cess @ 1% on "Z"				184.69
	Cost of 10 sqm.				18654.08
	Cost of 1 sqm.				1865.41
	Say				1865.40

11.18.2 Medium shades pigment using 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
1202	Precast terrazzo tiles 22 mm thick				
	(medium shade) including wastage &				
	breakage	sqm	11.00	265.00	2915.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1:3 (1 cement :				
	3 coarse sand)				
3.8	Rate as per Item Number 3.8 of				
	SH: Mortars	cum	0.144	4664.55	671.70
	50% white cement for slurry				
0368	White Cement	tonne	0.033	11200.00	369.60
0367	Portland Cement	tonne	0.033	4940.00	163.02
2209	Carriage of Cement	tonne	0.066	92.24	6.09
0876	Green or blue medium shade pigment	kilogram	4.62	56.00	258.72
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	679.00	2206.75
0115	Coolie	day	3.25	558.00	1813.50
0139	Skilled Beldar (for floor rubbing etc.)	day	7.60	617.00	4689.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries including carborandum stone and polishing powder etc.	L.S.	161.46	2.00	322.92
	TOTAL				13497.35 W
	Add 1 % Water charges on "W"				134.97
	TOTAL				13632.33 X
	Add GST on "X" (multiplying factor 0.1405)				1915.34
	TOTAL				15547.67 Y
	Add 15% CPOH on "Y"				2332.15
	TOTAL				17879.82 Z
	Add Cess @ 1% on "Z"				178.80
	Cost of 10 sqm.				18058.62
	Cost of 1 sqm.				1805.86
	Say				1805.85

11.18.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
1203	MATERIAL				
	Precast terrazo tiles 22 mm thick (dark shade) including wastage & breakage	sqm	11.00	245.00	2695.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4664.55	671.70
	Grey cement for slurry				
0367	Portland Cement	tonne	0.066	4940.00	326.04
2209	Carriage of Cement	tonne	0.066	92.24	6.09
0874	Black colour dark shade pigment	kilogram	4.62	70.00	323.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	679.00	2206.75
0115	Coolie	day	3.25	558.00	1813.50
0139	Skilled Beldar (for floor rubbing etc.)	day	7.60	617.00	4689.20
9999	Sundries including carborandum stone and polishing powder etc.	L.S.	161.46	2.00	322.92
	TOTAL				13135.45 W
	Add 1 % Water charges on "W"				131.35
	TOTAL				13266.81 X
	Add GST on "X" (multiplying factor 0.1405)				1863.99
	TOTAL				15130.79 Y
	Add 15% CPOH on "Y"				2269.62
	TOTAL				17400.41 Z
	Add Cess @ 1% on "Z"				174.00
	Cost of 10 sqm.				17574.42
	Cost of 1 sqm.				1757.44
	Say				1757.45

11.18.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL				
1203	Precast terrazo tiles 22 mm thick (dark shade) including wastage & breakage	sqm	11.00	245.00	2695.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4664.55	671.70
	Grey cement for sturry				
0367	Portland Cement	tonne	0.066	4940.00	326.04
2209	Carriage of Cement	tonne	0.066	92.24	6.09
0874	Black colour dark shade pigment	kilogram	4.62	70.00	323.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	679.00	2206.75
0115	Coolie	day	3.25	558.00	1813.50
0139	Skilled Beldar (for floor rubbing etc.)	day	7.60	617.00	4689.20
9999	Sundries including carborandum stone and polishing powder etc.	L.S.	161.46	2.00	322.92
	Less for dark shade pigment [4.62+2.84 (for tiles)]				
0874	Black colour dark shade pigment	kilogram	-7.46	70.00	-522.20
	TOTAL				12613.25 W
	Add 1 % Water charges on "W"				126.13
	TOTAL				12739.39 X
	Add GST on "X" (multiplying factor 0.1405)				1789.88
	TOTAL				14529.27 Y
	Add 15% CPOH on "Y"				2179.39
	TOTAL				16708.66 Z
	Add Cess @ 1% on "Z"				167.09
	Cost of 10 sqm.				16875.75
	Cost of 1 sqm.				1687.57
	Say				1687.55

11.19 Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :

11.19.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL				
1227	Chequered terrazo tiles 22 mm thick (light shade) including 10% wastage	sqm	11.00	275.00	3025.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
0367	Grey cement for slurry @ 4.4kg/sqm	tonne	0.044	4940.00	217.36
0368	White cement for grouting	tonne	0.044	11200.00	492.80
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment LABOUR	kilogram	3.08	60.00	184.80
0124	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0101	Bhisti	day	1.00	617.00	617.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including carborandum stone etc.	L.S.	161.98	2.00	323.96
	TOTAL				9147.62 W
	Add 1 % Water charges on "W"				91.48
	TOTAL				9239.09 X
	Add GST on "X" (multiplying factor 0.1405)				1298.09
	TOTAL				10537.18 Y
	Add 15% CPOH on "Y"				1580.58
	TOTAL				12117.76 Z
	Add Cess @ 1% on "Z"				121.18
	Cost of 10 sqm.				12238.94
	Cost of 1 sqm.				1223.89
	Say				1223.90

11.19.2 Medium shade pigment using 50% white cement, 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1228	Details of cost for 10 sqm. MATERIAL				
	Chequered terrazzo tiles 22 mm thick (medium shade) including 10% wastage	sqm	11.00	300.00	3300.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
	Grey cement				
	(i) for slurry @ 4.4kg/sqm =44 kg.+				
	(ii) 50% for grouting = 22kg.				
	Total =66kg or 0.066 tonne				
0367	Portland Cement	tonne	0.066	4940.00	326.04
0368	50% white cement for grouting	tonne	0.022	11200.00	246.40
2209	Carriage of Cement	tonne	0.088	92.24	8.12

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0876	Green or blue medium shade pigment	kilogram	3.08	56.00	172.48
	Labour and sundries				
0124	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0101	Bhisti	day	1.00	617.00	617.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including carborandum stone etc.				
	TOTAL	L.S.	161.98	2.00	323.96
	Add 1 % Water charges on "W"				92.73 W
	TOTAL				9365.30 X
	Add GST on "X" (multiplying factor 0.1405)				1315.82
	TOTAL				10681.13 Y
	Add 15% CPOH on "Y"				1602.17
	TOTAL				12283.30 Z
	Add Cess @ 1% on "Z"				122.83
	Cost of 10 sqm.				12406.13
	Cost of 1 sqm.				1240.61
	Say				1240.60

11.19.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
1229	Chequered terrazzo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	260.00	2860.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
	Ordinary cement for				
	(i) Cement slurry @ 4.4kg/sqm = 44kg+				
	(ii) Grouting = 44 kg.				
	Total = 88kg or 0.088 tonne				
0367	Portland Cement	tonne	0.088	4940.00	434.72
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60
	Labour & sundries				
0124	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0101	Bhisti	day	1.00	617.00	617.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries including carborandum stone etc.	L.S.	161.98	2.00	323.96
	TOTAL				8737.98 W
	Add 1 % Water charges on "W"				87.38
	TOTAL				8825.36 X
	Add GST on "X" (multiplying factor 0.1405)				1239.96
	TOTAL				10065.32 Y
	Add 15% CPOH on "Y"				1509.80
	TOTAL				11575.12 Z
	Add Cess @ 1% on "Z"				115.75
	Cost of 10 sqm.				11690.87
	Cost of 1 sqm.				1169.09
	Say				1169.10

11.19.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
1229	Chequered terrazo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	260.00	2860.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
	Ordinary cement for				
	(i) Cement slurry @ 4.4kg/sqm = 44kg+				
	(ii) Grouting = 44 kg.				
	Total = 88kg or 0.088 tonne				
0367	Portland Cement	tonne	0.088	4940.00	434.72
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60
	Labour & sundries				
0124	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0101	Bhisti	day	1.00	617.00	617.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including carborandum stone etc.	L.S.	162.59	2.00	325.18
	Less for dark shade pigment [3.08+2.84(for tiles)]				
0874	Black colour dark shade pigment	kilogram	-5.92	70.00	-414.40
	TOTAL				8324.80 W
	Add 1 % Water charges on "W"				83.25
	TOTAL				8408.04 X
	Add GST on "X" (multiplying factor 0.1405)				1181.33
	TOTAL				9589.37 Y
	Add 15% CPOH on "Y"				1438.41
	TOTAL				11027.78 Z
	Add Cess @ 1% on "Z"				110.28
	Cost of 10 sqm.				11138.06
	Cost of 1 sqm.				1113.81
	Say				1113.80

11.20 Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).

11.20.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7070	Details of cost for 10 sqm. MATERIAL Chequered precast cement concrete tiles 22mm thick using marble chips of size 6mm - Light shade using white cement including 10% wastage	sqm	11.00	400.00	4400.00
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	40.43	2.00	80.86
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4010.35	882.28
0367	Grey cement slury @ 4.4kg @sqm Portland Cement	tonne	0.044	4940.00	217.36
0368	White cement for grouting White Cement	tonne	0.048	11200.00	537.60
2209	Carriage of Cement	tonne	0.092	92.24	8.49
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	60.00	184.80
0124	LABOUR Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0101	Bhisti	day	1.00	617.00	617.00
	TOTAL				9130.78 W
	Add 1 % Water charges on "W"				91.31
	TOTAL				9222.09 X
	Add GST on "X" (multiplying factor 0.1405)				1295.70
	TOTAL				10517.79 Y
	Add 15% CPOH on "Y"				1577.67
	TOTAL				12095.46 Z
	Add Cess @ 1% on "Z"				120.95
	Cost of 10 sqm.				12216.42
	Cost of 1 sqm.				1221.64
	Say				1221.65

11.20.2 Medium shade pigment using 50% white cement 50% Grey cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7237	Details of cost for 10 sqm. MATERIAL Precast chequered cement tiles 22 mm thick medium shade using 50% white cement, 50% ordinary cement including 10% wastage	sqm	11.00	335.00	3685.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4010.35	882.28
	Grey cement for slurry @ 4.4kg/sqm. = 44 kg.+ grey cement for grouting 2.4kg/sqm. = 24kg. Total = 68 kg				
0367	Portland Cement	tonne	0.068	4940.00	335.92
	White cement for grouting @ 2.4kg/sqm. = 24 kg				
0368	White Cement	tonne	0.024	11200.00	268.80
2209	Carriage of Cement	tonne	0.092	92.24	8.49
0876	Green or blue medium shade pigment	kilogram	3.08	56.00	172.48
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0101	Bhisti	day	1.00	617.00	617.00
	TOTAL				8253.22 W
	Add 1 % Water charges on "W"				82.53
	TOTAL				8335.76 X
	Add GST on "X" (multiplying factor 0.1405)				1171.17
	TOTAL				9506.93 Y
	Add 15% CPOH on "Y"				1426.04
	TOTAL				10932.97 Z
	Add Cess @ 1% on "Z"				109.33
	Cost of 10 sqm.				11042.30
	Cost of 1 sqm.				1104.23
	Say				1104.25

11.20.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
7236	Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement including 10% wastage	sqm	11.00	225.00	2475.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4010.35	882.28
	Grey cement for slurry @ 4.4kg/sqm. = 44 kg.+ For grouting = 48 kg. Total=92 kg. say 0.092 tonne				
0367	Portland Cement	tonne	0.092	4940.00	454.48
2209	Carriage of Cement	tonne	0.092	92.24	8.49
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	LABOUR				
	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0101	Bhisti	day	1.00	617.00	617.00
	TOTAL				6936.10 W
	Add 1 % Water charges on "W"				69.36
	TOTAL				7005.46 X
	Add GST on "X" (multiplying factor 0.1405)				984.27
	TOTAL				7989.73 Y
	Add 15% CPOH on "Y"				1198.46
	TOTAL				9188.19 Z
	Add Cess @ 1% on "Z"				91.88
	Cost of 10 sqm.				9280.07
	Cost of 1 sqm.				928.01
	Say				928.00

11.20.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
7236	Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement including 10% wastage	sqm	11.00	225.00	2475.00
9977	Carriage of tiles	L.S.	40.43	2.00	80.86
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4010.35	882.28
	Grey cement for slurry @ 4.4kg/sqm. = 44 kg + For grouting = 48 kg. Total = 92 kg. Say 0.092 tonne				
0367	Portland Cement	tonne	0.092	4940.00	454.48
2209	Carriage of Cement	tonne	0.092	92.24	8.49
0874	Black colour dark shade pigment	kilogram	3.08	70.00	215.60
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0101	Bhisti	day	1.00	617.00	617.00
	Less for dark shade pigment [3.08+2.84 (for tiles)]				
0874	Black colour dark shade pigment	kilogram	-5.92	70.00	-414.40
	TOTAL				6521.70 W
	Add 1 % Water charges on "W"				65.22
	TOTAL				6586.92 X
	Add GST on "X" (multiplying factor 0.1405)				925.46
	TOTAL				7512.38 Y
	Add 15% CPOH on "Y"				1126.86
	TOTAL				8639.24 Z
	Add Cess @ 1% on "Z"				86.39
	Cost of 10 sqm.				8725.63
	Cost of 1 sqm.				872.56
	Say				872.55

11.21 Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge.

11.21.1 In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)

11.21.1.1 Acid and alkali resistant tile

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Acid proof tiles of size 300x300mm, 10mm thick = 11.11nos+ Add wastage and breakage @ 2.5% = 0.28 nos. Total = 11.39 nos. Say 12 nos.				
7077	Acid and alkali resistant tiles 300x300 mm size, 10 mm thick	10 Nos	1.20	520.00	624.00
9977	Carriage 10mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.00	12.48
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.012	4010.35	48.12
9999	Mortar for pointing in acid/alkali resistant cement Cement for slurry over bed @ 3.3kg per sqm	L.S.	40.43	2.00	80.86
0367	Portland Cement Difference of cost for using acid proof cement instead of ordinary cement Add	tonne	0.0033	4940.00	16.30
7024	Acid Proof cement Deduct	tonne	0.0079	7800.00	61.62
0367	Portland Cement LABOUR	tonne	-0.0079	4940.00	-39.03
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60
9988	Sundries including carriage of cement etc.	L.S.	26.91	2.00	53.82
	TOTAL				1117.38 W
	Add 1 % Water charges on "W"				11.17
	TOTAL				1128.55 X
	Add GST on "X" (multiplying factor 0.1405)				158.56
	TOTAL				1287.12 Y
	Add 15% CPOH on "Y"				193.07
	TOTAL				1480.18 Z
	Add Cess @ 1% on "Z"				14.80
	Cost of 1 sqm.				1494.99
	Say				1495.00

11.21.2 In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)
11.21.2.1 Acid and alkali resistant tile

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Acid proof tiles of size 300x300mm, 10mm thick = 11.11nos+ Add wastage and breakage @ 2.5% = 0.28 nos. Total = 11.39 nos. Say 12 nos.				
7077	Acid and alkali resistant tiles 300x300 mm size, 10 mm thick	10 Nos	1.20	520.00	624.00
9977	Carriage of tiles 12mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.00	12.48
3.9	Rate as per Item Number 3.9 of SH: Mortars Difference of cost for using acid proof cement instead of ordinary cement Add	cum	0.014	4010.35	56.14
7024	Acid Proof cement Deduct	tonne	0.0086	7800.00	67.08
0367	Portland Cement	tonne	-0.0086	4940.00	-42.48
9999	Mortar for pointing in acid proof cement Acid proof cementfor slurry over plaster 3.3kg/sqm	L.S.	40.43	2.00	80.86
7024	Acid Proof cement LABOUR	tonne	0.0033	7800.00	25.74
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.25	558.00	139.50
9988	Sundries including carriage of cement etc.	L.S.	26.91	2.00	53.82
	TOTAL				1201.64 W
	Add 1 % Water charges on "W"				12.02
	TOTAL				1213.66 X
	Add GST on "X" (multiplying factor 0.1405)				170.52
	TOTAL				1384.18 Y
	Add 15% CPOH on "Y"				207.63
	TOTAL				1591.80 Z
	Add Cess @ 1% on "Z"				15.92
	Cost of 1 sqm.				1607.72
	Say				1607.70

11.22 Tile work in skirting, risers of steps and dado up to 2 m height over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete.
11.22.1 Marble tiles (polished) Raj Nagar

11.22.1.1 8 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2751	Details of cost for 1 sqm. MATERIAL 8 mm thick marble tiles (polished) Raj Nagar	sqm	1.061	400.00	424.40
9977	including wastage Carriage of tiles	L.S.	3.90	2.00	7.80
3.8	12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	4664.55	65.30
9999	Mortar for pointing in white cement Cement for slurry @ 3.3kg/sqm	L.S.	25.35	2.00	50.70
0367	Portland Cement	tonne	0.0033	4940.00	16.30
9999	Pigment	L.S.	2.08	2.00	4.16
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.25	558.00	139.50
9988	Sundries including carriage of cement etc.	L.S.	16.90	2.00	33.80
	TOTAL				926.47 W
	Add 1 % Water charges on "W"				9.26
	TOTAL				935.73 X
	Add GST on "X" (multiplying factor 0.1405)				131.47
	TOTAL				1067.20 Y
	Add 15% CPOH on "Y"				160.08
	TOTAL				1227.28 Z
	Add Cess @ 1% on "Z"				12.27
	Cost of 1 sqm.				1239.55
	Say				1239.55

11.23 Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with :

11.23.1 Makrana white second quality

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6001	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm. White marble slab Makrana second quality plain veined 18 mm thick Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	11.50	1430.00	16445.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
	Cement for slurry @4.4kg/sqm.				
	(i) for bedding = 44 kg+				
	(ii) for jointing = 6 kg.				
	Total = 50 kg				
0367	Portland Cement	tonne	0.05	4940.00	247.00
9977	Carriage of marble slab	L.S.	26.91	2.00	53.82
	LABOUR				
	(for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	738.00	885.60
0114	Beldar	day	1.00	558.00	558.00
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.00	269.10
	TOTAL				24199.84 W
	Add 1 % Water charges on "W"				242.00
	TOTAL				24441.84 X
	Add GST on "X" (multiplying factor 0.1405)				3434.08
	TOTAL				27875.91 Y
	Add 15% CPOH on "Y"				4181.39
	TOTAL				32057.30 Z
	Add Cess @ 1% on "Z"				320.57
	Cost of 10 sqm.				32377.88
	Cost of 1 sqm.				3237.79
	Say				3237.80

11.23.2 Raj Nagar plain

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
	20mm thick marble slab = 10.00sqm.+				
	Add for wastage 15% = 1.50sqm.				
	Total = 11.50sqm.				
7071	White marble Raj Nagar plain	sqm	11.50	600.00	6900.00
	18 mm thick upto 0.50 sqm area				
	Base Cement mortar 1 : 4				
	(1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
	Cement for slurry @, 4.4kg sqm.				
	(i) for bedding = 44 kg+				
	(ii) for jointing = 6 kg.				
	Total = 50 kg				
0367	Portland Cement	tonne	0.05	4940.00	247.00
9977	Carriage of marble slab	L.S.	26.91	2.00	53.82

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR (for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	738.00	885.60
0114	Beldar	day	1.00	558.00	558.00
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.00	269.10
	TOTAL				14654.84 W
	Add 1 % Water charges on "W"				146.55
	TOTAL				14801.39 X
	Add GST on "X" (multiplying factor 0.1405)				2079.59
	TOTAL				16880.98 Y
	Add 15% CPOH on "Y"				2532.15
	TOTAL				19413.13 Z
	Add Cess @ 1% on "Z"				194.13
	Cost of 10 sqm.				19607.26
	Cost of 1 sqm.				1960.73
	Say				1960.75

11.23.3 Agaria White

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
	20mm thick marble slab = 10.00sqm.+				
	Add for wastage 15% = 1.50sqm.				
	Total = 11.50sqm.				
7850	Agaria White marble slab plain				
	18mm thick	sqm	11.50	1100.00	12650.00
	Base Cement mortar 1 : 4				
	(1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of				
	SH: Mortars	cum	0.224	4010.35	898.32
	Cement for slurry @ 4.4kg sqm.				
	(i) for bedding = 44 kg+				
	(ii) for jointing = 6 kg.				
	Total = 50 kg				
0367	Portland Cement	tonne	0.05	4940.00	247.00
9977	Carriage of marble slab	L.S.	26.91	2.00	53.82
	LABOUR				
	(for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	738.00	885.60
0114	Beldar	day	1.00	558.00	558.00
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.00	269.10
	TOTAL				20404.84 W
	Add 1 % Water charges on "W"				204.05
	TOTAL				20608.89 X
	Add GST on "X" (multiplying factor 0.1405)				2895.55
	TOTAL				23504.44 Y
	Add 15% CPOH on "Y"				3525.67
	TOTAL				27030.10 Z
	Add Cess @ 1% on "Z"				270.30
	Cost of 10 sqm.				27300.40
	Cost of 1 sqm.				2730.04
	Say				2730.05

11.23.4 Black Zebra

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6019	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm. Black Zebra marble slab plain 18mm thick	sqm	11.50	900.00	10350.00
3.9	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
	Cement for slurry @, 4.4kg sqm. (i) for bedding = 44 kg+ (ii) for jointing = 6 kg. Total = 50 kg				
0367	Portland Cement	tonne	0.05	4940.00	247.00
9977	Carriage of marble slab	L.S.	26.91	2.00	53.82
	LABOUR (for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	738.00	885.60
0114	Beldar	day	1.00	558.00	558.00
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.00	269.10
	TOTAL				18104.84 W
	Add 1 % Water charges on "W"				181.05
	TOTAL				18285.89 X
	Add GST on "X" (multiplying factor 0.1405)				2569.17
	TOTAL				20855.05 Y
	Add 15% CPOH on "Y"				3128.26
	TOTAL				23983.31 Z
	Add Cess @ 1% on "Z"				239.83
	Cost of 10 sqm.				24223.15
	Cost of 1 sqm.				2422.31
	Say				2422.30

11.23.5 Udaipur green marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6010	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm. Udaypur green marble slab plain 18mm thick	sqm	11.50	620.00	7130.00
3.9	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
0367	Cement for slurry @ 4.4kg sqm. (i) for bedding = 44 kg+ (ii) for jointing = 6 kg. Total = 50 kg	tonne	0.05	4940.00	247.00
9977	Portland Cement Carriage of marble slab LABOUR (for finishing, polishing and fixing)	L.S.	26.91	2.00	53.82
0123	Mason (brick layer) 1st class	day	1.20	738.00	885.60
0114	Beldar	day	1.00	558.00	558.00
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.00	269.10
	TOTAL				14884.84 W
	Add 1 % Water charges on "W"				148.85
	TOTAL				15033.69 X
	Add GST on "X" (multiplying factor 0.1405)				2112.23
	TOTAL				17145.92 Y
	Add 15% CPOH on "Y"				2571.89
	TOTAL				19717.81 Z
	Add Cess @ 1% on "Z"				197.18
	Cost of 10 sqm.				19914.99
	Cost of 1 sqm.				1991.50
	Say				1991.50

11.23.6 Pink plain marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6007	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm. Pink marble slab plain 18mm thick Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	11.50	645.00	7417.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
	Cement for slurry @ 4.4kg sqm.				
	(i) for bedding = 44 kg+				
	(ii) for jointing = 6 kg.				
	Total = 50 kg				
0367	Portland Cement	tonne	0.05	4940.00	247.00
9977	Carriage of marble slab	L.S.	26.91	2.00	53.82
	LABOUR				
	(for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	738.00	885.60
0114	Beldar	day	1.00	558.00	558.00
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.00	269.10
	TOTAL				15172.34 W
	Add 1 % Water charges on "W"				151.72
	TOTAL				15324.06 X
	Add GST on "X" (multiplying factor 0.1405)				2153.03
	TOTAL				17477.09 Y
	Add 15% CPOH on "Y"				2621.56
	TOTAL				20098.66 Z
	Add Cess @ 1% on "Z"				200.99
	Cost of 10 sqm.				20299.64
	Cost of 1 sqm.				2029.96
	Say				2029.95

11.24 Extra for pre finished nosing to treads of steps of marble stone.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metre				
	LABOUR				
0126	Mason (for ornamental stone work)				
	1st class	day	2.00	738.00	1476.00
0114	Beldar	day	1.50	558.00	837.00
0139	Skilled Beldar (for floor rubbing etc.)	day	2.50	617.00	1542.50
9999	Sundries	L.S.	53.82	2.00	107.64
	TOTAL				3963.14 W
	Add 1 % Water charges on "W"				39.63
	TOTAL				4002.77 X
	Add GST on "X" (multiplying factor 0.1405)				562.39
	TOTAL				4565.16 Y
	Add 15% CPOH on "Y"				684.77
	TOTAL				5249.93 Z
	Add Cess @ 1% on "Z"				52.50
	Cost for 10 metre				5302.43
	Cost for 1 metre				530.24
	Say				530.25

11.25 Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 metre.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. LABOUR				
0123	Mason (brick layer) 1st class	day	1.95	738.00	1439.10
0114	Beldar	day	1.40	558.00	781.20
0115	Coolie	day	0.75	558.00	418.50
0139	Skilled Beldar (for floor rubbing etc.)	day	3.18	617.00	1962.06
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				4654.68 W
	Add 1 % Water charges on "W"				46.55
	TOTAL				4701.23 X
	Add GST on "X" (multiplying factor 0.1405)				660.52
	TOTAL				5361.75 Y
	Add 15% CPOH on "Y"				804.26
	TOTAL				6166.01 Z
	Add Cess @ 1% on "Z"				61.66
	Cost for 10sqm.				6227.67
	Cost for 1sqm.				622.77
	Say				622.75

11.26 Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :

11.26.1 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL				
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished) including 15% wastage	sqm	11.50	280.00	3220.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
	Cement for slurry-(i) for bedding = 44kg+				
	(ii) for joints = 20 kg.Total = 64 kg. or 0.064 tonne				
0367	Portland Cement	tonne	0.064	4940.00	316.16
2209	Carriage of Cement	tonne	0.064	92.24	5.90
0874	Black colour dark shade pigment	kilogram	4.50	70.00	315.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.20	679.00	814.80
0114	Beldar	day	1.00	558.00	558.00
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9999	Sundries	L.S.	208.13	2.00	416.26
	TOTAL				11449.24 W
	Add 1 % Water charges on "W"				114.49
	TOTAL				11563.73 X
	Add GST on "X" (multiplying factor 0.1405)				1624.70
	TOTAL				13188.44 Y
	Add 15% CPOH on "Y"				1978.27
	TOTAL				15166.71 Z
	Add Cess @ 1% on "Z"				151.67
	Cost for 10sqm.				15318.37
	Cost for 1sqm.				1531.84
	Say				1531.85

11.27 Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm.				
1168	MATERIAL				
	Kota stone slab 20 mm to 25 mm thick (semi-polished) including 15% wastage	sqm	11.50	280.00	3220.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4664.55	671.70
0367	Portland Cement	tonne	0.064	4940.00	316.16
	for slurry				
2209	Carriage of Cement	tonne	0.064	92.24	5.90
0874	Black colour dark shade pigment	kilogram	4.50	70.00	315.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.00	679.00	2037.00
0114	Beldar	day	3.00	558.00	1674.00
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.00	617.00	4319.00
9999	Sundries	L.S.	174.98	2.00	349.96
	TOTAL				13528.52 W
	Add 1 % Water charges on "W"				135.29
	TOTAL				13663.80 X
	Add GST on "X" (multiplying factor 0.1405)				1919.76
	TOTAL				15583.57 Y
	Add 15% CPOH on "Y"				2337.54
	TOTAL				17921.10 Z
	Add Cess @ 1% on "Z"				179.21
	Cost for 10sqm.				18100.32
	Cost for 1sqm.				1810.03
	Say				1810.05

11.28 40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints finished flush.

11.28.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1164	Details of cost for 10sqm. MATERIAL Finished work = 10 sqm Add for wastage @ 10% = 1 sqm Total = 11 sqm Red sand stone slab 40 mmthick (un-dressed)	sqm	11.00	200.00	2200.00
9977	Carriage Cement mortar 1 : 5 (1 cement : 5 coarse sand) (i) for beading = 0.224 cum+ (ii) for joining = 0.026 cum. Total=0.250cum.	L.S.	34.06	2.00	68.12
3.10	Rate as per Item Number 3.10 of SH: Mortars LABOUR	cum	0.25	3658.10	914.53
0123	Mason (brick layer) 1st class	day	3.10	738.00	2287.80
0100	Bandhani	day	1.10	617.00	678.70
0115	Coolie	day	0.55	558.00	306.90
0101	Bhisti	day	0.27	617.00	166.59
9999	Sundries	L.S.	10.79	2.00	21.58
	TOTAL				6644.22 W
	Add 1 % Water charges on "W"				66.44
	TOTAL				6710.66 X
	Add GST on "X" (multiplying factor 0.1405)				942.85
	TOTAL				7653.50 Y
	Add 15% CPOH on "Y"				1148.03
	TOTAL				8801.53 Z
	Add Cess @ 1% on "Z"				88.02
	Cost for 10sqm.				8889.55
	Cost for 1sqm.				888.95
	Say				888.95

11.28.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1165	Details of cost for 10sqm. MATERIAL Finished work = 10 sqm Add for wastage @ 10% = 1 sqm Total = 11 sqm White sand stone slab 40 mm thick (un-dressed)	sqm	11.00	200.00	2200.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage	L.S.	34.06	2.00	68.12
	Cement mortar 1 : 5 (1 cement : 5 coarse sand)				
	(i) for beading = 0.224 cum+				
	(ii) for joining = 0.026 cum.				
	Total=0.250cum.				
3.10	Rate as per Item Number 3.10 of SH: Mortars	cum	0.25	3658.10	914.53
	LABOUR				
0123	Mason (brick layer) 1st class	day	3.10	738.00	2287.80
0100	Bandhani	day	1.10	617.00	678.70
0115	Coolie	day	0.55	558.00	306.90
0101	Bhisti	day	0.27	617.00	166.59
9999	Sundries	L.S.	10.79	2.00	21.58
	TOTAL				6644.22 W
	Add 1 % Water charges on "W"				66.44
	TOTAL				6710.66 X
	Add GST on "X" (multiplying factor 0.1405)				942.85
	TOTAL				7653.50 Y
	Add 15% CPOH on "Y"				1148.03
	TOTAL				8801.53 Z
	Add Cess @ 1% on "Z"				88.02
	Cost for 10sqm.				8889.55
	Cost for 1sqm.				888.95
	Say				888.95

11.29 40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand), including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone.

11.29.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm.				
	MATERIAL				
	Finished work = 10 sqm				
	Add for wastage @ 10% = 1 sqm				
	Total = 11 sqm				
1164	Red sand stone slab 40 mmthick (un-dressed)	sqm	11.00	200.00	2200.00
9977	Carriage	L.S.	34.06	2.00	68.12
	Cement mortar 1 : 5 (1 cement : 5 coarse sand)				
	(i) for beading = 0.224 cum+				
	(ii) for joining = 0.026 cum.				
	Total=0.250cum.				
3.10	Rate as per Item Number 3.10 of SH: Mortars	cum	0.25	3658.10	914.53
	Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.12	Rate as per Item Number 3.12 of SH: Mortars LABOUR	cum	0.023	5108.05	117.49
0123	Mason (brick layer) 1st class	day	3.90	738.00	2878.20
0100	Bandhani	day	1.10	617.00	678.70
0115	Coolie	day	1.40	558.00	781.20
0101	Bhisti	day	0.55	617.00	339.35
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				8031.40 W
	Add 1 % Water charges on "W"				80.31
	TOTAL				8111.71 X
	Add GST on "X" (multiplying factor 0.1405)				1139.70
	TOTAL				9251.41 Y
	Add 15% CPOH on "Y"				1387.71
	TOTAL				10639.12 Z
	Add Cess @ 1% on "Z"				106.39
	Cost for 10sqm.				10745.51
	Cost for 1sqm.				1074.55
	Say				1074.55

11.29.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL Finished work = 10 sqm Add for wastage @ 10% = 1 sqm Total = 11 sqm				
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	11.00	200.00	2200.00
9977	Carriage	L.S.	34.06	2.00	68.12
	Cement mortar 1 : 5 (1 cement : 5 coarse sand) (i) for beading = 0.224 cum+ (ii) for joining = 0.026 cum. Total=0.250cum.				
3.10	Rate as per Item Number 3.10 of SH: Mortars Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)	cum	0.25	3658.10	914.53
3.12	Rate as per Item Number 3.12 of SH: Mortars LABOUR	cum	0.023	5108.05	117.49
0123	Mason (brick layer) 1st class	day	3.90	738.00	2878.20
0100	Bandhani	day	1.10	617.00	678.70
0115	Coolie	day	1.40	558.00	781.20
0101	Bhisti	day	0.55	617.00	339.35

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	26.91	2.00	53.82
	TOTAL				8031.40 W
	Add 1 % Water charges on "W"				80.31
	TOTAL				8111.71 X
	Add GST on "X" (multiplying factor 0.1405)				1139.70
	TOTAL				9251.41 Y
	Add 15% CPOH on "Y"				1387.71
	TOTAL				10639.12 Z
	Add Cess @ 1% on "Z"				106.39
	Cost for 10sqm.				10745.51
	Cost for 1sqm.				1074.55
	Say				1074.55

11.30 40 mm thick rubbed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints 3 mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar.

11.30.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm.				
	MATERIAL				
	Finished work = 10 sqm				
	Add for wastage @ 10% = 1 sqm				
	Total = 11 sqm				
1164	Red sand stone slab 40 mmthick (un-dressed)	sqm	11.00	200.00	2200.00
9977	Carriage	L.S.	34.06	2.00	68.12
	Cement mortar 1 : 5 (1 cement : 5 coarse sand)				
	(i) for beading = 0.224 cum+				
	(ii) for joining = 0.026 cum.				
	Total=0.250cum.				
3.10	Rate as per Item Number 3.10 of SH: Mortars	cum	0.25	3658.10	914.53
	Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)				
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.023	5108.05	117.49
	LABOUR				
0123	Mason (brick layer) 1st class	day	3.90	738.00	2878.20
0100	Bandhani	day	1.10	617.00	678.70
0115	Coolie	day	1.40	558.00	781.20
0101	Bhisti	day	0.55	617.00	339.35
9999	Sundries	L.S.	26.91	2.00	53.82
	Labour for rubbing of stone				
0139	Skilled Beldar (for floor rubbing etc.)	day	0.618	617.00	381.31

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0013	Machine for rubbing of floors	day	0.988	300.00	296.40
	TOTAL				8709.11 W
	Add 1 % Water charges on "W"				87.09
	TOTAL				8796.20 X
	Add GST on "X" (multiplying factor 0.1405)				1235.87
	TOTAL				10032.06 Y
	Add 15% CPOH on "Y"				1504.81
	TOTAL				11536.87 Z
	Add Cess @ 1% on "Z"				115.37
	Cost for 10sqm.				11652.24
	Cost for 1sqm.				1165.22
	Say				1165.20

11.30.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm.				
	MATERIAL				
	Finished work = 10 sqm				
	Add for wastage @ 10% = 1 sqm				
	Total = 11 sqm				
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	11.00	200.00	2200.00
9977	Carriage	L.S.	34.06	2.00	68.12
	Cement mortar 1 : 5 (1 cement : 5 coarse sand)				
	(i) for beading = 0.224 cum+				
	(ii) for joining = 0.026 cum.				
	Total=0.250cum.				
3.10	Rate as per Item Number 3.10 of SH: Mortars	cum	0.25	3658.10	914.53
	Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)				
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.023	5108.05	117.49
	LABOUR				
0123	Mason (brick layer) 1st class	day	3.90	738.00	2878.20
0100	Bandhani	day	1.10	617.00	678.70
0115	Coolie	day	1.40	558.00	781.20
0101	Bhisti	day	0.55	617.00	339.35
9999	Sundries	L.S.	26.91	2.00	53.82
	Labour for rubbing of stone				
0139	Skilled Beldar (for floor rubbing etc.)	day	0.618	617.00	381.31

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0013	Machine for rubbing of floors	day	0.988	300.00	296.40
	TOTAL				8709.11 W
	Add 1 % Water charges on "W"				87.09
	TOTAL				8796.20 X
	Add GST on "X" (multiplying factor 0.1405)				1235.87
	TOTAL				10032.06 Y
	Add 15% CPOH on "Y"				1504.81
	TOTAL				11536.87 Z
	Add Cess @ 1% on "Z"				115.37
	Cost for 10sqm.				11652.24
	Cost for 1sqm.				1165.22
	Say				1165.20

11.31 Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0126	Details of cost for 10 metre LABOUR	day	1.50	738.00	1107.00
	Mason (for ornamental stone work) 1st class				1107.00 W
	TOTAL				11.07
	Add 1 % Water charges on "W"				1118.07 X
	TOTAL				157.09
	Add GST on "X" (multiplying factor 0.1405)				1275.16 Y
	TOTAL				191.27
	Add 15% CPOH on "Y"				1466.43 Z
	TOTAL				14.66
	Add Cess @ 1% on "Z"				1481.10
	Cost for 10metre				148.11
	Cost for 1 metre				148.10
	Say				148.10

11.32 Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	Details of cost for 10sqm. LABOUR	day	0.20	679.00	135.80
0114	Mason (brick layer) 2nd class	day	0.20	558.00	111.60
	Beldar				247.40 W
	TOTAL				2.47
	Add 1 % Water charges on "W"				249.87 X
	TOTAL				35.11
	Add GST on "X" (multiplying factor 0.1405)				284.98 Y
	TOTAL				42.75
	Add 15% CPOH on "Y"				327.73 Z
	TOTAL				3.28
	Add Cess @ 1% on "Z"				331.01
	Cost for 10sqm.				33.10
	Cost for 1sqm.				33.10
	Say				33.10

11.33 25 mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with :
11.33.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2.5x4=10 sqm. MATERIAL Second class indian teak wood No of joints = 4000/138 = 28.97 Total = (29-1) = 28 nos Qty of wood required $2.5(4+0.336) \times 0.025 = 0.271$ cum Add wastage @ 10 % = 0.027 cum Total = 0.2981 cum = 298.1 cudm				
1190	Second class teak wood in planks	10 cudm	29.81	791.00	23579.71
1231	Extra for selected planks of second class teakwood	10 cudm	29.81	150.00	4471.50
2204	Carriage of Timber	cum	0.2981	118.59	35.35
0682	Oxidised mild steel screws 50 mm (slotted counters sunk head type)	100 Nos	2.00	76.00	152.00
	LABOUR				
0111	Carpenter 1st class	day	2.68	738.00	1977.84
0114	Beldar	day	1.35	558.00	753.30
9999	Sundries for glue etc.	L.S.	33.28	2.00	66.56
	TOTAL				31036.26 W
	Add 1 % Water charges on "W"				310.36
	TOTAL				31346.62 X
	Add GST on "X" (multiplying factor 0.1405)				4404.20
	TOTAL				35750.83 Y
	Add 15% CPOH on "Y"				5362.62
	TOTAL				41113.45 Z
	Add Cess @ 1% on "Z"				411.13
	Cost for 10 sqm.				41524.58
	Cost for 1sqm.				4152.46
	Say				4152.45

11.33.2 Second class deodar wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2.5x4=10 sqm. MATERIAL First class deodar wood planks No of joints = 4000/138 = 28.97 Total = (29-1) = 28 nos Qty of wood required $2.5(4+0.336) \times 0.025 = 0.271$ cum Add wastage @ 10 % = 0.027 cum Total = 0.2981 cum = 298.1 cudm				
1194	Second class deodar wood in planks	10 cudm	29.81	500.00	14905.00
2500	Extra for selected planks of second class deodar wood	10 cudm	29.81	110.00	3279.10
2204	Carriage of Timber	cum	0.2981	118.59	35.35

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0682	Oxidised mild steel screws 50 mm (slotted counters sunk head type)	100 Nos	2.00	76.00	152.00
	LABOUR				
0111	Carpenter 1st class	day	2.16	738.00	1594.08
0114	Beldar	day	1.08	558.00	602.64
9999	Sundries for glue etc.	L.S.	26.91	2.00	53.82
	TOTAL				20621.99 W
	Add 1 % Water charges on "W"				206.22
	TOTAL				20828.21 X
	Add GST on "X" (multiplying factor 0.1405)				2926.36
	TOTAL				23754.58 Y
	Add 15% CPOH on "Y"				3563.19
	TOTAL				27317.76 Z
	Add Cess @ 1% on "Z"				273.18
	Cost for 10 sqm.				27590.94
	Cost for 1sqm.				2759.09
	Say				2759.10

11.34 38 mm thick wood block flooring of first class teak wood laid over 25 mm thick leveling layer of cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 10 mm nominal size) to be paid separately, coated with a thin layer of hot bitumen penetration 80/25 (blown type) @ 2.45 kg per sqm, including fixing blocks in position after dipping in hot bitumen (blown type) up to half depth, planed, levelled smooth and finished complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1sqm. Bitumen blown type i) For bed layer @ 2.45kg/sqm. = 2.45kg+ ii) For dipping blocks L.S. = 2.00Kg. Total = 4.45kg.				
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	0.0044	34000.00	149.60
2211	Carriage of Tar bitumen	tonne	0.0044	103.77	0.46
	1st class teal wood in scanting for wooden blocks 1 sqm x 0.038 m = 0.038 cum Add 10 % wastage = 0.0038 cum Total = 0.0418 cum or 41.8 cudm				
1187	First class teak wood in scantling	10 cudm	4.18	880.00	3678.40
2204	Carriage of Timber	cum	0.0418	118.59	4.96
	LABOUR				
0111	Carpenter 1st class	day	1.75	738.00	1291.50
0114	Beldar	day	2.25	558.00	1255.50
0115	Coolie	day	1.50	558.00	837.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0130	Mistry	day	0.10	738.00	73.80
9999	Sundries such as fuel, kerosene oil, sand paper etc.	L.S.	80.73	2.00	161.46
	TOTAL				7452.67 W
	Add 1 % Water charges on "W"				74.53
	TOTAL				7527.20 X
	Add GST on "X" (multiplying factor 0.1405)				1057.57
	TOTAL				8584.77 Y
	Add 15% CPOH on "Y"				1287.72
	TOTAL				9872.49 Z
	Add Cess @ 1% on "Z"				98.72
	Cost for 1 sqm.				9971.21
	Say				9971.20

11.35 Providing and fixing M.S. angle 50x50x5 mm to act as nosing with lugs of M.S. flat 10x5 mm, 10 cm long, forked at end 60cm apart (minimum three lugs to be provided), including necessary welding and applying a priming coat of approved primer on exposed surface etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Details of cost for 3m (11.40+0.24kg = 11.64kg) MATERIAL Angle iron 50x50x5 mm =3 m Add wastage @ 5% = 0.15 m Total=3.15 m @ 3.80 kg per m = 11.97 kg Say 0.12 qtl Structurals such as tees,angles channels and R.S. joists Lugs 10x5 mm flat = 6x0.10 = 0.60 m@ 0.40 kg per m = 0.24 kg Add wastage @ 5% = 0.012 kg Total 0.252 kg or 0.0025 qtl	quintal	0.12	4600.00	552.00
1008	Flats upto 10 mm in thickness	quintal	0.0025	4500.00	11.25
2205	Carriage of Steel	tonne	0.016	92.24	1.48
1215	Welding by electric plant 6cm (lugs)	cm	6.00	2.00	12.00
9999	Sundries	L.S.	9.10	2.00	18.20
	LABOUR				
0103	Blacksmith 2nd class	day	0.09	679.00	61.11
0123	Mason (brick layer) 1st class	day	0.45	738.00	332.10
0114	Beldar	day	0.25	558.00	139.50
	Priming coat 3x0.20 = 0.60 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.3	Rate as per item no 13.50.3 of SH : Finishing TOTAL Add 1 % Water charges on "W-A" TOTAL Add GST on "X-A" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y-A" TOTAL Add Cess @ 1% on "Z-A" Cost for 11.64 kg. Cost per 1 Kg. Say	sqm	0.60	50.70	30.42 A 1158.06 W 11.28 1169.33 X 160.02 1329.35 Y 194.84 1524.19 Z 14.94 1539.13 132.23 132.25

11.37 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7801	Details of cost for 1 sqm MATERIAL Glazed Ceramic floor tiles 300x300 mm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm Ceramic Glazed Tiles 1st quality 300 x 300mm in all shades and designs of White, Ivory, grey, Fume Red brown etc.	sqm	1.025	209.10	214.33
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	2.00	12.48
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4010.35	96.25
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	20.20	2.00	40.40
0367	Portland Cement LABOUR	tonne	0.0033	4940.00	16.30
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage of cement etc	L.S.	26.91	2.00	53.82
	TOTAL				692.78 W
	Add 1 % Water charges on "W"				6.93
	TOTAL				699.71 X
	Add GST on "X" (multiplying factor 0.1405)				98.31
	TOTAL				798.01 Y
	Add 15% CPOH on "Y"				119.70
	TOTAL				917.72 Z
	Add Cess @ 1% on "Z"				9.18
	Cost for 1 sqm				926.89
	Say				926.90

11.37A Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7801	Detail of Cost for 1.00 Sqm Material Glazed Ceramic Floor Tile = 1.00 Sqm+ Add for wastage and breakage @2.5% = 0.025 Sqm =1.025 Sqm	sqm	1.025	209.10	214.33
9999	Carriage of Tiles	L.S.	6.240	2.00	12.48
3.8	Cement mortar 1:3 (1 Cement: 3 Coarse Sand)	cum	0.014	4664.55	65.30
9999	Mortar for pointing in white cement	L.S.	3.640	2.00	7.28
0367	Cement for slurry over bed @ 3.3 Kg/Sqm	tonne	0.0033	4940.00	16.30
	Labour				
0123	Mason 1st Class	day	0.25	738.00	184.50
0115	Coolie	day	0.25	558.00	139.50
9999	Sundries including carriage of Cement etc	L.S.	26.91	2.00	53.82
	TOTAL				693.51 W
	Add 1 % Water charges on "W"				6.94
	TOTAL				700.45 X
	Add GST on "X" (multiplying factor 0.1405)				98.41
	TOTAL				798.86 Y
	Add 15% CPOH on "Y"				119.83
	TOTAL				918.69 Z
	Add Cess @ 1% on "Z"				9.19
	Cost 1 sqm				927.88
	Say				927.90

- 11.38 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Glazed Ceramic floor tiles 300x300 mm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
7802	Ceramic Glazed Tiles 1st quality 300 x 300 in all shades designs except White, Ivory, Grey, Fume Red Brown etc.	sq.m.	1.025	260.00	266.50
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4010.35	96.25
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	20.20	2.00	40.40
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60
9988	Sundries including carriage of cement etc	L.S.	26.91	2.00	53.82
	TOTAL				744.95 W
	Add 1 % Water charges on "W"				7.45
	TOTAL				752.40 X
	Add GST on "X" (multiplying factor 0.1405)				105.71
	TOTAL				858.11 Y
	Add 15% CPOH on "Y"				128.72
	TOTAL				986.83 Z
	Add Cess @ 1% on "Z"				9.87
	Cost for 1 sqm				996.70
	Say				996.70

11.39 Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Rectified Ceramic Glazed floor tiles 300x 300 mm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
7803	Rectified Ceramic Glazed Tiles 1st quality 300x300mm or more in all shades designs White, Ivory, Grey, Fuem Red Brown etc.	sq.m.	1.025	340.00	348.50
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4010.35	96.25
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	13.47	2.00	26.94
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60
9988	Sundries including carriage of cement etc	L.S.	26.91	2.00	53.82
	TOTAL				813.49 W
	Add 1 % Water charges on "W"				8.13
	TOTAL				821.63 X
	Add GST on "X" (multiplying factor 0.1405)				115.44
	TOTAL				937.06 Y
	Add 15% CPOH on "Y"				140.56
	TOTAL				1077.62 Z
	Add Cess @ 1% on "Z"				10.78
	Cost for 1 sqm				1088.40
	Say				1088.40

- 11.40 Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
	Rectified Ceramic Glazed floor tiles				
	300x300 mm size or more = 1.000 sqm				
	Add for wastage & breakage @				
	2.5 % = 0.025 sqm				
	Total = 1.025 sqm				
7804	Rectified Ceramic Glazed Tiles 1st				
	quality 300x300mm or more in all				
	shades designs except White, Ivory,				
	Grey, Fume Red Brown etc.	sq.m.	1.025	400.00	410.00
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
	20 mm thick Cement mortar				
	1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of				
	SH: Mortars	cum	0.024	4010.35	96.25
9999	Mortar for pointing in white cement	L.S.	13.47	2.00	26.94
	Cement for slurry over bed @				
	3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60
9988	Sundries including carriage of				
	cement etc	L.S.	26.91	2.00	53.82
	TOTAL				874.99 W
	Add 1 % Water charges on "W"				8.75
	TOTAL				883.74 X
	Add GST on "X" (multiplying				
	factor 0.1405)				124.17
	TOTAL				1007.91 Y
	Add 15% CPOH on "Y"				151.19
	TOTAL				1159.09 Z
	Add Cess @ 1% on "Z"				11.59
	Cost for 1 sqm				1170.68
	Say				1170.70

- 11.41 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.**

11.41.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 50x50 cm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
8620	Vitrified floor tile 50x50 cm	sqm	1.025	490.00	502.25
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4010.35	96.25
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	3.64	2.00	7.28
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60
9988	Sundries including carriage of cement etc	L.S.	26.91	2.00	53.82
	TOTAL				947.58 W
	Add 1 % Water charges on "W"				9.48
	TOTAL				957.06 X
	Add GST on "X" (multiplying factor 0.1405)				134.47
	TOTAL				1091.52 Y
	Add 15% CPOH on "Y"				163.73
	TOTAL				1255.25 Z
	Add Cess @ 1% on "Z"				12.55
	Cost for 1 sqm				1267.80
	Say				1267.80

11.41.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 60x60 cm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
8621	Vitrified floor tile 60x60 cm	sqm	1.025	659.72	676.21
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4010.35	96.25
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	3.64	2.00	7.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60
9988	Sundries including carriage of cement etc	L.S.	26.91	2.00	53.82
	TOTAL				1121.54 W
	Add 1 % Water charges on "W"				11.22
	TOTAL				1132.76 X
	Add GST on "X" (multiplying factor 0.1405)				159.15
	TOTAL				1291.91 Y
	Add 15% CPOH on "Y"				193.79
	TOTAL				1485.70 Z
	Add Cess @ 1% on "Z"				14.86
	Cost for 1 sqm				1500.56
	Say				1500.55

11.41.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
	Vitrified floor tiles 80x80 cm size = 1.00 sqm				
	Add for wastage & breakage @ 2.5 % = 0.025 sqm				
	Total = 1.025 sqm				
8622	Vitrified floor tile 80x80 cm	sqm	1.025	850.00	871.25
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
	20 mm thick Cement mortar				
	1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4010.35	96.25
9999	Mortar for pointing in white cement	L.S.	2.60	2.00	5.20
	Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60
9988	Sundries including carriage of cement etc	L.S.	26.91	2.00	53.82
	TOTAL				1314.50 W
	Add 1 % Water charges on "W"				13.15
	TOTAL				1327.65 X
	Add GST on "X" (multiplying factor 0.1405)				186.53
	TOTAL				1514.18 Y
	Add 15% CPOH on "Y"				227.13
	TOTAL				1741.31 Z
	Add Cess @ 1% on "Z"				17.41
	Cost for 1 sqm				1758.72
	Say				1758.70

11.41.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 100x100 cm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
8623	Vitrified floor tile 100x100 cm	sqm	1.025	1390.00	1424.75
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4010.35	96.25
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	2.60	2.00	5.20
0367	Portland Cement LABOUR	tonne	0.0033	4940.00	16.30
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60
9988	Sundries including carriage of cement etc	L.S.	26.91	2.00	53.82
	TOTAL				1868.00 W
	Add 1 % Water charges on "W"				18.68
	TOTAL				1886.68 X
	Add GST on "X" (multiplying factor 0.1405)				265.08
	TOTAL				2151.76 Y
	Add 15% CPOH on "Y"				322.76
	TOTAL				2474.52 Z
	Add Cess @ 1% on "Z"				24.75
	Cost for 1 sqm				2499.27
	Say				2499.25

11.42 Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/sqm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4010.35	96.25
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	40.43	2.00	80.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60
9988	Sundries i/c carriage of cement etc.	L.S.	26.91	2.00	53.82
	TOTAL				506.43 W
	Add 1 % Water charges on "W"				5.06
	TOTAL				511.49 X
	Add GST on "X" (multiplying factor 0.1405)				71.87
	TOTAL				583.36 Y
	Add 15% CPOH on "Y"				87.50
	TOTAL				670.86 Z
	Add Cess @ 1% on "Z"				6.71
	Cost for 1 sqm				677.57
	Say				677.55

11.43 Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
8731	High polymer modified quickset tile adhesive.	per kg	5.00	9.00	45.00
9999	Mortar for pointing in white cement	L.S.	40.43	2.00	80.86
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.20	558.00	111.60
9988	Sundries i/c carriage of cement etc.	L.S.	26.91	2.00	53.82
	TOTAL				438.88 W
	Add 1 % Water charges on "W"				4.39
	TOTAL				443.27 X
	Add GST on "X" (multiplying factor 0.1405)				62.28
	TOTAL				505.55 Y
	Add 15% CPOH on "Y"				75.83
	TOTAL				581.38 Z
	Add Cess @ 1% on "Z"				5.81
	Cost for 1 sqm				587.19
	Say				587.20

11.44 Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL Under layer 12 mm thick Cement mortar 1:4 (1 cement : 4 coarse sand). Rate as per Item No.3.9 of SH:Mortar	cum	0.14	4010.35	561.45
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.67	679.00	454.93
0114	Beldar	day	0.75	558.00	418.50
0101	Bhisti	day	0.92	617.00	567.64
9999	Sundries	L.S.	8.97	2.00	17.94
	Cement slurry for subgrade				
0367	Portland Cement	tonne	0.04	4940.00	197.60
2209	Carriage of Cement	tonne	0.04	92.24	3.69
	Labour for applying cement slurry				
0114	Beldar	day	0.50	558.00	279.00
	Top layer with tile piece and gap filling with cement motar: Ceramic tile piece for crazy flooring assuming 70% tile area and 30% of joint filler/mixture. $(7.00 \times 0.010) = 0.07$ $0.872 \times 0.07 / 0.051 = 1.20$ qtl				
2709	Ceremic Tiles Pieces for Crazy Flooring	quintal	1.20	135.00	162.00
9977	Carriage of tiles	L.S.	62.40	2.00	124.80
	Cement motar 1:4 for filling of crazy tile : $(300 \times 0.01 = 0.03)$				
3.9	Rate as per Item No.3.9 of SH:Mortar	cum	0.03	4010.35	120.31
	Synthetic polyster triangular				
4.18	Rate as per Item No.4.18 of SH: CONCRETE WORK	per bag of 50kg of cement	1.38	61.05	84.25 A
	Water proofing compound				
4.12	Rate as per Item No.4.12 of SH: CONCRETE WORK	per bag of 50kg of cement	1.38	56.55	78.04 A
0123	Mason (brick layer) 1st class	day	1.20	738.00	885.60
0114	Beldar	day	1.00	558.00	558.00
0115	Coolie	day	1.00	558.00	558.00
0101	Bhisti	day	0.54	617.00	333.18

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	67.25	2.00	134.50
	TOTAL				5539.43 W
	Add 1 % Water charges on "W-A"				53.77
	TOTAL				5593.20 X
	Add GST on "X-A" (multiplying factor 0.1405)				763.04
	TOTAL				6356.24 Y
	Add 15% CPOH on "Y-A"				929.09
	TOTAL				7285.33 Z
	Add Cess @ 1% on "Z-A"				71.23
	Cost of 10 sqm.				7356.56
	Cost of 1 sqm.				735.66
	Say				735.65

11.45 Providing and laying 500x500x40 mm thick Turf paver (Turf pave XD) on 150 mm thick sub grade of compacted bed of 20 mm thick nominal size stone aggregate and base course and filling with 150 mm thick jamuna sand, including spreading, well ramming, consolidating and finishing smooth etc. all complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 10 sqm. MATERIAL Stone Aggregate (Single size) : 20 mm nominal size 1 x 10 x 0.15 = 1.5cum	cum	1.50	1350.00	2025.00
2202	Stone aggregate below 40 mm nominal size LABOUR for spreading ramming and consolidation of sub grade	cum	1.50	103.77	155.66
0114	Beldar	day	0.70	558.00	390.60
0115	Coolie	day	0.52	558.00	290.16
0101	Bhisti	day	0.36	617.00	222.12
2.27	Providing and filling Jamuna sand Rate as per Item No.2.27 of SH: EARTH WORK	cum	1.50	1953.05	2929.58 A
2708	Truf Paver (500 x 500 x 40 mm) Labour for laying of Turf pave	sqm	10.00	500.00	5000.00
0123	Mason (brick layer) 1st class	day	0.50	738.00	369.00
0114	Beldar	day	1.00	558.00	558.00
9999	Sundries	L.S.	50.00	2.00	100.00
	TOTAL				12040.11 W
	Add 1 % Water charges on "W-A"				91.11
	TOTAL				12131.22 X
	Add GST on "X-A" (multiplying factor 0.1405)				1292.83
	TOTAL				13424.05 Y
	Add 15% CPOH on "Y-A"				1574.17
	TOTAL				14998.22 Z
	Add Cess @ 1% on "Z-A"				120.69
	Cost of 10 sqm.				15118.90
	Cost of 1 sqm.				1511.89
	Say				1511.90

11.46 Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.

11.46.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 50 x 50 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8620	Vitrified floor tile 50x50 cm	sqm	1.025	490.00	502.25
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
	12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item No.3.8 of SH:Mortars	cum	0.014	4664.55	65.30
9999	Mortar for pointing in white cement Cement slurry over bed @ 3.3 kg per sqm	L.S.	3.64	2.00	7.28
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.25	558.00	139.50
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.00	53.82
	TOTAL				981.44 W
	Add 1 % Water charges on "W"				9.81
	TOTAL				991.25 X
	Add GST on "X" (multiplying factor 0.1405)				139.27
	TOTAL				1130.52 Y
	Add 15% CPOH on "Y"				169.58
	TOTAL				1300.10 Z
	Add Cess @ 1% on "Z"				13.00
	Cost for 1 sqm				1313.10
	Say				1313.10

11.46.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 60 x 60 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8621	Vitrified floor tile 60x60 cm	sqm	1.025	659.72	676.21
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
	12 mm thick Cement mortar				
	1 : 3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item No.3.8 of SH:Mortars	cum	0.014	4664.55	65.30
9999	Mortar for pointing in white cement	L.S.	3.64	2.00	7.28
	Cement slurry over bed @				
	3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.25	558.00	139.50
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.00	53.82
	TOTAL				1155.40 W
	Add 1 % Water charges on "W"				11.55
	TOTAL				1166.95 X
	Add GST on "X" (multiplying factor 0.1405)				163.96
	TOTAL				1330.91 Y
	Add 15% CPOH on "Y"				199.64
	TOTAL				1530.55 Z
	Add Cess @ 1% on "Z"				15.31
	Cost for 1 sqm				1545.85
	Say				1545.85

11.46.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
	Vitrified floor tiles 80 x 80 cm size =				
	1.00 sqm+				
	Add wastage & breakage @ 2.5% =				
	0.025 sqm				
	Total = 1.025 sqm				
8622	Vitrified floor tile 80x80 cm	sqm	1.025	850.00	871.25
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
	12 mm thick Cement mortar				
	1 : 3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item No.3.8 of SH:Mortars	cum	0.014	4664.55	65.30
9999	Mortar for pointing in white cement	L.S.	3.64	2.00	7.28
	Cement slurry over bed @ 3.3 kg				
	per sqm				
0367	Portland Cement	tonne	0.0033	4940.00	16.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.25	558.00	139.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage of quick set polymer etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.00	53.82 1350.44 W 13.50 1363.94 X 191.63 1555.57 Y 233.34 1788.91 Z 17.89 1806.80 1806.80

11.46.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 100 x 100 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8623	Vitrified floor tile 100x100 cm	sqm	1.025	1390.00	1424.75
9977	Carriage of tiles 12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand)	L.S.	6.24	2.00	12.48
3.8	Rate as per Item No.3.8 of SH: MORTARS	cum	0.014	4664.55	65.30
9999	Mortar for pointing in white cement Cement slurry over bed @ 3.3 kg per sqm	L.S.	3.64	2.00	7.28
0367	Portland Cement LABOUR	tonne	0.0033	4940.00	16.30
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.25	558.00	139.50
9988	Sundries including carriage of quick set polymer etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.00	53.82 1903.94 W 19.04 1922.98 X 270.18 2193.15 Y 328.97 2522.13 Z 25.22 2547.35 2547.35

- 11.46A Providing and fixing glazed screen printed border tile 75mm wide having thickness 5mm, of approved quality & make, in all shades, design and prints, in dado, over 12mm thick bed of cement mortar 1:3 (1 Cement : 3 Coarse sand) and jointing with grey cement slurry @ 3.3 kg/sqm including pointing with white cement mixed with pigment of matching shade, all complete as approved by Engineer - in - Charge**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8624	Details for 1sqm (i.e. 13.33m length) Material Border tiles 200x75mm size 5mm thick Tile required= $1.00/(0.20 \times 0.075) = 66.70$ tile. Add 2.5% wastage = 1.67 tile Total 68.37 say 68 tiles	each	68.00	16.00	1088.00
9999	Carriage	L.S.	6.24	2.00	12.48
3.8	Cement mortar 1:3 for 12mm base	cum	0.014	4664.55	65.30
9999	Mortar for pointing in white cement	L.S.	40.43	2.00	80.86
0367	Cement for slurry over bed@ 3.3kg/sqm	tonne	0.0033	4940.00	16.30
	Labour				
0123	Mason 1st class	each	0.25	738.00	184.50
0115	Coolie	each	0.25	558.00	139.50
9999	Sundries $26.91 - 0.16 = 26.75$	L.S.	26.75	2.00	53.50
	TOTAL				1640.45 W
	Add 1 % Water charges on "W"				16.40
	TOTAL				1656.85 X
	Add GST on "X" (multiplying factor 0.1405)				232.79
	TOTAL				1889.64 Y
	Add 15% CPOH on "Y"				283.45
	TOTAL				2173.08 Z
	Add Cess @ 1% on "Z"				21.73
	Details of cost for 1sqm i.e. 13.33 mts				2194.81
	Cost per metre				164.65
	Say				164.65

- 11.47 Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).**

11.47.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 50 x 50 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8620	Vitrified floor tile 50x50 cm	sqm	1.025	490.00	502.25
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.50	558.00	279.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.00	53.82
	TOTAL				1122.05 W
	Add 1 % Water charges on "W"				11.22
	TOTAL				1133.27 X
	Add GST on "X" (multiplying factor 0.1405)				159.22
	TOTAL				1292.50 Y
	Add 15% CPOH on "Y"				193.87
	TOTAL				1486.37 Z
	Add Cess @ 1% on "Z"				14.86
	Cost for 1 sqm				1501.23
	Say				1501.25

11.47.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
	Vitrified floor tiles 60 x 60 cm size = 1.00 sqm+				
	Add wastage & breakage @ 2.5% = 0.025 sqm				
	Total = 1.025 sqm				
8621	Vitrified floor tile 60x60 cm	sqm	1.025	659.72	676.21
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.50	558.00	279.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.00	53.82
	TOTAL				1296.01 W
	Add 1 % Water charges on "W"				12.96
	TOTAL				1308.97 X
	Add GST on "X" (multiplying factor 0.1405)				183.91
	TOTAL				1492.88 Y
	Add 15% CPOH on "Y"				223.93
	TOTAL				1716.82 Z
	Add Cess @ 1% on "Z"				17.17
	Cost for 1 sqm				1733.98
	Say				1734.00

11.47.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 80 x 80 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8622	Vitrified floor tile 80x80 cm	sqm	1.025	850.00	871.25
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.50	558.00	279.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.00	53.82
	TOTAL				1491.05 W
	Add 1 % Water charges on "W"				14.91
	TOTAL				1505.96 X
	Add GST on "X" (multiplying factor 0.1405)				211.59
	TOTAL				1717.55 Y
	Add 15% CPOH on "Y"				257.63
	TOTAL				1975.18 Z
	Add Cess @ 1% on "Z"				19.75
	Cost for 1 sqm				1994.93
	Say				1994.95

11.47.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 100 x 100 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8623	Vitrified floor tile 100x100 cm	sqm	1.025	1390.00	1424.75
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0115	Coolie	day	0.50	558.00	279.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.00	53.82
	TOTAL				2044.55 W
	Add 1 % Water charges on "W"				20.45
	TOTAL				2065.00 X
	Add GST on "X" (multiplying factor 0.1405)				290.13
	TOTAL				2355.13 Y
	Add 15% CPOH on "Y"				353.27
	TOTAL				2708.40 Z
	Add Cess @ 1% on "Z"				27.08
	Cost for 1 sqm				2735.48
	Say				2735.50

11.48 Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.

11.48.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8682	Details of cost for 1 sqm MATERIAL Epoxy Grout LABOUR	Kg	0.21	371.00	77.91
0123	Mason (brick layer) 1st class	day	0.10	738.00	73.80
0115	Coolie	day	0.10	558.00	55.80
9988	Sundries including carriage	L.S.	5.00	2.00	10.00
	TOTAL				217.51 W
	Add 1 % Water charges on "W"				2.18
	TOTAL				219.69 X
	Add GST on "X" (multiplying factor 0.1405)				30.87
	TOTAL				250.55 Y
	Add 15% CPOH on "Y"				37.58
	TOTAL				288.13 Z
	Add Cess @ 1% on "Z"				2.88
	Cost for 1 sqm				291.01
	Say				291.00

11.48.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8682	Details of cost for 1 sqm MATERIAL Epoxy Grout LABOUR	Kg	0.18	371.00	66.78
0123	Mason (brick layer) 1st class	day	0.08	738.00	59.04
0115	Coolie	day	0.08	558.00	44.64

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage	L.S.	5.00	2.00	10.00
	TOTAL				180.46 W
	Add 1 % Water charges on "W"				1.80
	TOTAL				182.26 X
	Add GST on "X" (multiplying factor 0.1405)				25.61
	TOTAL				207.87 Y
	Add 15% CPOH on "Y"				31.18
	TOTAL				239.05 Z
	Add Cess @ 1% on "Z"				2.39
	Cost for 1 sqm				241.44
	Say				241.45

11.48.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
8682	Epoxy Grout	Kg	0.15	371.00	55.65
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.06	738.00	44.28
0115	Coolie	day	0.06	558.00	33.48
9988	Sundries including carriage	L.S.	5.00	2.00	10.00
	TOTAL				143.41 W
	Add 1 % Water charges on "W"				1.43
	TOTAL				144.84 X
	Add GST on "X" (multiplying factor 0.1405)				20.35
	TOTAL				165.19 Y
	Add 15% CPOH on "Y"				24.78
	TOTAL				189.97 Z
	Add Cess @ 1% on "Z"				1.90
	Cost for 1 sqm				191.87
	Say				191.85

11.48.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
8682	Epoxy Grout	Kg	0.11	371.00	40.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.04	738.00	29.52
0115	Coolie	day	0.04	558.00	22.32

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage	L.S.	5.00	2.00	10.00
	TOTAL				102.65 W
	Add 1 % Water charges on "W"				1.03
	TOTAL				103.68 X
	Add GST on "X" (multiplying factor 0.1405)				14.57
	TOTAL				118.24 Y
	Add 15% CPOH on "Y"				17.74
	TOTAL				135.98 Z
	Add Cess @ 1% on "Z"				1.36
	Cost for 1 sqm				137.34
	Say				137.35

11.49 Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).

11.49.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
	Vitrified floor tiles 50 x 50 cm size = 1.00 sqm+				
	Add wastage & breakage @ 2.5% = 0.025 sqm				
	Total = 1.025 sqm				
8620	Vitrified floor tile 50x50 cm	sqm	1.025	490.00	502.25
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.40	558.00	223.20
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.00	53.82
	TOTAL				1029.35 W
	Add 1 % Water charges on "W"				10.29
	TOTAL				1039.64 X
	Add GST on "X" (multiplying factor 0.1405)				146.07
	TOTAL				1185.71 Y
	Add 15% CPOH on "Y"				177.86
	TOTAL				1363.57 Z
	Add Cess @ 1% on "Z"				13.64
	Cost for 1 sqm				1377.21
	Say				1377.20

11.49.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 60 x 60 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8621	Vitrified floor tile 60x60 cm	sqm	1.025	659.72	676.21
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.40	558.00	223.20
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.00	53.82
	TOTAL				1203.31 W
	Add 1 % Water charges on "W"				12.03
	TOTAL				1215.35 X
	Add GST on "X" (multiplying factor 0.1405)				170.76
	TOTAL				1386.10 Y
	Add 15% CPOH on "Y"				207.92
	TOTAL				1594.02 Z
	Add Cess @ 1% on "Z"				15.94
	Cost for 1 sqm				1609.96
	Say				1609.95

11.49.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 80 x 80 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8622	Vitrified floor tile 80x80 cm	sqm	1.025	850.00	871.25
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.40	558.00	223.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage of quick set polymer etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.00	53.82 1398.35 W 13.98 1412.33 X 198.43 1610.77 Y 241.61 1852.38 Z 18.52 1870.91 1870.90

11.49.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 100 x 100 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8623	Vitrified floor tile 100x100 cm	sqm	1.025	1390.00	1424.75
9977	Carriage of tiles	L.S.	6.24	2.00	12.48
8731	High polymer modified quickset tile adhesive. LABOUR	per kg	10.00	9.00	90.00
0123	Mason (brick layer) 1st class	day	0.20	738.00	147.60
0115	Coolie	day	0.40	558.00	223.20
9988	Sundries including carriage of quick set polymer etc. TOTAL Add 1 % Water charges on "W" TOTAL Add GST on "X" (multiplying factor 0.1405) TOTAL Add 15% CPOH on "Y" TOTAL Add Cess @ 1% on "Z" Cost for 1 sqm Say	L.S.	26.91	2.00	53.82 1951.85 W 19.52 1971.37 X 276.98 2248.35 Y 337.25 2585.60 Z 25.86 2611.45 2611.45

11.50 Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
9999	MATERIAL				
	Mortar for pointing in white cement with matching pigment	L.S.	3.12	2.00	6.24
9999	LABOUR	L.S.	1.00	2.00	2.00
	TOTAL				8.24 W
	Add 1 % Water charges on "W"				0.08
	TOTAL				8.32 X
	Add GST on "X" (multiplying factor 0.1405)				1.17
	TOTAL				9.49 Y
	Add 15% CPOH on "Y"				1.42
	TOTAL				10.92 Z
	Add Cess @ 1% on "Z"				0.11
	Cost for 1 sqm				11.02
	Say				11.00

11.51 Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.

11.51.1 18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost per 10 sqm				
	MATERIAL				
	18 mm thick italian marble stone slab 10.00 sqm				
	Add for wastage 15%= 1.50 sqm				
	Total: 11.50 sqm				
1240	18 mm thick Italian Marble stone slab, Base mortar 1:4 (1 cement : 4 coarse sand)	sqm	11.50	3209.00	36903.50
3.9	Rate as per Item No.3.9 of SH: MORTARS				
	Cemnt for slurry@, 4.4 kg/sqm				
	(i) for bedding=44 kg+				
	(ii) for jointing= 6 kg				
	Total=50 kg	cum	0.224	4010.35	889.39
0368	White Cement	tonne	0.05	11200.00	560.00
2209	Carriage of white Cement	tonne	0.05	92.24	4.61
9999	carriage of marble slab	L.S.	26.91	2.00	46.55
	LABOUR :				
	(for finishing , polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	738.00	885.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	1.00	558.00	558.00
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9999	Mortar for pointing in white cement	L.S.	25.74	2.00	51.48
	TOTAL				44742.13 W
	Add 1 % Water charges on "W"				447.42
	TOTAL				45189.55 X
	Add GST on "X" (multiplying factor 0.1405)				6349.13
	TOTAL				51538.68 Y
	Add 15% CPOH on "Y"				7730.80
	TOTAL				59269.49 Z
	Add Cess @ 1% on "Z"				592.69
	Cost of 10 sqm.				59862.18
	Cost of 1 sqm.				5986.22
	Say				5986.20

- 11.52 Providing and laying machine cut, mirror polished Marble stone flooring, in required design (Simple geometrical, abstract etc.) and in patterns in combination with Italian marble stones of different colours, shades and finished surface texture etc., in linear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm, including pointing with white cement slurry admixed with pigment to match the marble shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.**
- 11.52.1 18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1240	Details of cost per 10 sqm MATERIAL 18 mm thick italian marble stone slab 10.00 sqm Add for wastage 20%= 2 sqm Total: 12 sqm 18 mm thick Italian Marble stone slab, Base mortar 1:4 (1 cement : 4 coarse sand)	sqm	12.00	3209.00	38508.00
3.9	Rate as per Item No.3.9 of SH: MORTARS Cement for slurry @, 4.4 kg/sqm (i) for bedding=44 kg+ (ii) for jointing= 6 kg Total=50 kg	cum	0.224	4010.35	898.32
0368	White Cement	tonne	0.05	11200.00	560.00
2209	Carriage of white Cement	tonne	0.05	92.24	4.61
9999	carriage of marble slab	L.S.	26.91	2.00	53.82

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR : (for finishing , polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.75	738.00	1291.50
0114	Beldar	day	1.25	558.00	697.50
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00
0013	Machine for rubbing of floors	day	4.00	300.00	1200.00
9999	Mortar for pointing in white cement	L.S.	25.74	2.00	51.48
	TOTAL				46908.23 W
	Add 1 % Water charges on "W"				469.08
	TOTAL				47377.31 X
	Add GST on "X" (multiplying factor 0.1405)				6656.51
	TOTAL				54033.83 Y
	Add 15% CPOH on "Y"				8105.07
	TOTAL				62138.90 Z
	Add Cess @ 1% on "Z"				621.39
	Cost of 10 Sq.m.				62760.29
	Cost of 1 Sq.m.				6276.03
	Say				6276.05

11.53 Providing and fixing Glass mosaic tiles on finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design , fixing in customize design as per direction of Engineer-in- Charge. The glass mosaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge:

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost per 8 sqm				
	MATERIAL				
	Glass mosaic tiles (20 mm x 20 mm x 4mm)				
	Add for wastage 2.5%= 0.2 sqm				
	Total: 8.20 sqm				
1242	Glass mosaic tiles (20 mm x 20 mm x 4 mm)	sqm	8.20	2049.00	16801.80
1243	Tile fixing chemical adhesive	kg	20.00	8.70	174.00
1244	Cement Polymer Grout Compound	kg	10.00	16.00	160.00
1245	Acid for cleaning tiles	litre	4.00	18.00	72.00
9999	carriage of marble slab	L.S.	49.92	2.00	99.84
	LABOUR :				
	(for finishing , polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.60	738.00	1180.80
0115	Coolie	day	1.60	558.00	892.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries including carriage of adhesive etc.	L.S.	26.91	2.00	53.82
	TOTAL				19435.06 W
	Add 1 % Water charges on "W"				194.35
	TOTAL				19629.41 X
	Add GST on "X" (multiplying factor 0.1405)				2757.93
	TOTAL				22387.34 Y
	Add 15% CPOH on "Y"				3358.10
	TOTAL				25745.44 Z
	Add Cess @ 1% on "Z"				257.45
	Cost for 8.00 sqm				26002.90
	Cost for 1.00 sqm				3250.36
	Say				3250.35

11.54 Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50 mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of:

(a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25 mm outer diameter, fully welded on to the G.I. Base plate of size 100mm x 100mm x 3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3.5 mm welded with GI fully threaded stud 16mm outer diameter with two GI Check nuts screwed on the stud for level adjustment upto 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base) through base plate using epoxy based adhesive of approved make or the machine screw with rawl plug.

(b) Stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid, rigid support for access floor panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-in-charge.

(c) Providing and fixing Access Floor panel of 600x600x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be Corroresist epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip noncombustible Portland cementitious core mixed with lightweight foaming compound. The access floor shall be factory finished with Anti-static High Pressure laminate with Non Warp technology upto 1mm thickness

for superior adhesion and Surface flatness within 0.75mm. The panel is to withstand a Concentrated Load of 363 kgs applied on area 25mm x 25mm without collapse in the centre of the panel which is placed on four steel blocks. The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250 kg/sqm and an impact load of 50kg all complete as per the approved manufacturers specification and as per the direction of Engineer-in-charge. All specification must be printed on the side of the panel to ensure the quality of the product.

11.54.1 300 mm Finished Floor Height (FFH)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost for : 100.00 Sqm				
	MATERIALS :				
2711	FS800H Grade Flooring Panel (i/c)				
	5% wastage	each	292.00	750.00	219000.00
2712	Zinc Electroplated Pedestals - 300 mm	each	360.00	140.00	50400.00
2714	Zinc Electroplated Tube Stinger	each	570.00	66.00	37620.00
2715	Machine Screw for Fixing	each	1140.00	2.00	2280.00
7048	Rawl Plug floor pedestal grouting on floor	each	1440.00	25.00	36000.00
9999	Carriage of material	L.S.	490.00	2.00	980.00
	LABOUR :				
0111	Carpenter 1st class	day	25.00	738.00	18450.00
0114	Beldar	day	25.00	558.00	13950.00
9999	Sundries	L.S.	329.00	2.00	658.00
	TOTAL				379338.00 W
	Add 1 % Water charges on "W"				3793.38
	TOTAL				383131.38 X
	Add GST on "X" (multiplying factor 0.1405)				53829.96
	TOTAL				436961.34 Y
	Add 15% CPOH on "Y"				65544.20
	TOTAL				502505.54 Z
	Add Cess @ 1% on "Z"				5025.06
	Cost of 100 sqm.				507530.60
	Cost of 1 sqm				5075.31
	Say				5075.30

11.54.2 450 mm Finished Floor Height (FFH).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of Cost for : 100.00 Sqm				
	MATERIALS :				
2711	FS800H Grade Flooring Panel	each	292.00	750.00	219000.00
2713	Zinc Electroplated Pedestals - 450 mm	each	360.00	200.00	72000.00
2714	Zinc Electroplated Tube Stinger	each	570.00	66.00	37620.00
2715	Machine Screw for Fixing	each	1140.00	2.00	2280.00
7048	Rawl plug 50 mm (designation 10 no.)	each	1440.00	25.00	36000.00
9999	Carriage of material	L.S.	490.00	2.00	980.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR : Carpenter 1st class	day	25.00	738.00	18450.00
0114	Beldar	day	25.00	558.00	13950.00
9999	Sundries	L.S.	329.00	2.00	658.00
	TOTAL				400938.00 W
	Add 1 % Water charges on "W"				4009.38
	TOTAL				404947.38 X
	Add GST on "X" (multiplying factor 0.1405)				56895.11
	TOTAL				461842.49 Y
	Add 15% CPOH on "Y"				69276.37
	TOTAL				531118.86 Z
	Add Cess @ 1% on "Z"				5311.19
	Cost of 100 sqm.				536430.05
	Cost of 1 sqm				5364.30
	Say				5364.30

- 11.55 Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :**
- 11.55.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL				
1239	18mm thick - Flamed finish granite slab = 10.00 sqm+Add for wastage 15% =1.50 sqm, Total 11.50 sqm				
	18 mm thick Flamed finish granite stone slab	sqm	11.50	1000.00	11500.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.224	4010.35	898.32
0367	Portland Cement	tonne	0.05	4940.00	247.00
0874	Black colour dark shade pigment	kilogram	4.50	70.00	315.00
2209	Carriage of Cement	tonne	0.05	92.24	4.61
9999	Mortar for pointing in white cement	L.S.	25.35	2.00	50.70
	LABOUR :				
0124	Mason (brick layer) 2nd class	day	1.20	679.00	814.80
0114	Beldar	day	1.00	558.00	558.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	617.00	3085.00
9999	Sundries	L.S.	208.13	2.00	416.26
	TOTAL				18509.49 W
	Add 1 % Water charges on "W"				185.09
	TOTAL				18694.59 X
	Add GST on "X" (multiplying factor 0.1405)				2626.59
	TOTAL				21321.18 Y
	Add 15% CPOH on "Y"				3198.18
	TOTAL				24519.35 Z
	Add Cess @ 1% on "Z"				245.19
	Cost of 10 sqm				24764.55
	Cost of 1 sqm				2476.45
	Say				2476.45

11.56 Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.

11.56.1 Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.00 sqm				
	MATERIAL				
	18 mm thick polished finish granite stone slab 10.00 sqm + 1.50 (Add for wastage 15%)= 11.50 sqm				
7297	Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	11.50	1800.00	20700.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80
3.9	Rate as per Item No.3.9 of				
	SH: MORTARS	cum	0.224	4010.35	898.32
0367	Portland Cement	tonne	0.05	4940.00	247.00
0874	Black colour dark shade pigment	kilogram	4.50	70.00	315.00
2209	Carriage of Cement	tonne	0.05	92.24	4.61
9999	Mortar for pointing in white cement (11.22)	L.S.	25.35	2.00	50.70
	LABOUR :				
0124	Mason (brick layer) 2nd class	day	1.20	679.00	814.80
0114	Beldar	day	1.00	558.00	558.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.00	558.00	558.00
0139	Skilled Beldar (for floor rubbing etc.)	day	2.00	617.00	1234.00
0019	Machine for cutting (hand grinding)	day	2.00	250.00	500.00
9999	Sundries	L.S.	208.13	2.00	416.26
	TOTAL				26358.49 W
	Add 1 % Water charges on "W"				263.58
	TOTAL				26622.08 X
	Add GST on "X" (multiplying factor 0.1405)				3740.40
	TOTAL				30362.48 Y
	Add 15% CPOH on "Y"				4554.37
	TOTAL				34916.85 Z
	Add Cess @ 1% on "Z"				349.17
	Cost of 10 sqm				35266.02
	Cost of 1 sqm				3526.60
	Say				3526.60

SUB HEAD : 12.0
ROOFING

12.1 Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.

12.1.1 1.00 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a roof with each sloping side 18.09x5.10m and slop being flatter than 1 vertical to 2.5 horizontal Area of roof = 2x18.09x5.10 = 184.518 sqm. MATERIAL C.G.S. sheets 2x27 =54 nos. of size 2.5x0.9 metre @19.35 Kg each =1044.90Kg. 2x27=54 nos. of size 2.8x0.9@21.67kg. each =1170.18Kg.+ Total = 2215.08Kg.+ Add 5% Wastage = 110.75Kg. Total = 2325.83 Kg = 23.26 quintals				
3050	Galvanised steel corrugated sheets	quintal	23.26	5600.00	130256.00
2302	Carriage of G.I. sheet and accessories	tonne	2.326	92.24	214.55
	G.I.Seam bolts and nuts 60cm centre to centre zig-zag i.e. 30cm centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.				
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	88.40	38.00	3359.20
	G.I.,J or L hooks 8mm dia. (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 nos. of bolts in each sheet = 810 nos.				
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	81.00	120.00	9720.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810=1694	100 Nos	16.94	21.00	355.74
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	53.82	2.00	107.64
	LABOUR				
0130	Mistry	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	15.50	679.00	10524.50
0114	Beldar	day	15.50	558.00	8649.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4202	Red oxide Zinc chromate primer	litre	2.53	110.00	278.30
9977	Carriage of material	L.S.	0.52	2.00	1.04
0131	Painter	day	1.13	679.00	767.27
0115	Coolie	day	1.13	558.00	630.54
9999	Brushes, sand papers i/c sundries	L.S.	50.57	2.00	101.14
0845	Roofing paint for iron sheets in red colour	litre	3.75	120.00	450.00
9977	Carriage of paint	L.S.	6.76	2.00	13.52
0131	Painter	day	2.53	679.00	1717.87
0115	Coolie	day	2.53	558.00	1411.74
9999	Brushes and Sandpapers	L.S.	31.98	2.00	63.96
9999	Sundries	L.S.	38.09	2.00	76.18
	TOTAL				170219.61 W
	Add 1 % Water charges on "W"				1702.20
	TOTAL				171921.81 X
	Add GST on "X" (multiplying factor 0.1405)				24155.01
	TOTAL				196076.82 Y
	Add 15% CPOH on "Y"				29411.52
	TOTAL				225488.34 Z
	Add Cess @ 1% on "Z"				2254.88
	Cost of 184.518 Sqm.				227743.23
	Cost of 1 Sqm.				1234.26
	Say				1234.25

12.1.2 0.80 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	<p>Details of cost for a roof with each sloping side 18.09x5.10m and slop being flatter than 1 vertical to 2.5 horizontal</p> <p>Area of roof = 2x18.09x5.1 = 184.518 sqm.</p> <p>Details of length and breadth.</p> <p>Length 26(laps)x0.135(each lap)=3.51</p> <p>Width of Corrugator sheet with 10 corrugation measured end to end = 0.8 metres 27 (nos. of sheets)x0.80 (width of sheet) = 21.60 length</p> <p>Less laps = 3.51</p> <p>Length = 18.09</p> <p>Breadth on one side-</p> <p>C.G.S. Sheet 1 No. of = 2.5 metres length+</p> <p>C.G.S. Sheet 1 No. of = 2.8 metres length</p> <p>Total = 5.3 metres</p> <p>Deduct end lap of 20cm (-)0.2 metres breadth = 5.1m</p>				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL C.G.I.Sheets 0.8mm thick 2x27=54nos. @15.82Kg.each Total = 854.38Kg(X) 2.5mx0.9m is the size of plain G.I.sheet which on being corrugated will become 2.5mx0.8m (The size of plain sheet is taken because the weight is available only of plain sheets) (Refer I.S. Code 277-1962) 2x27=54nos. of size. 2.8x0.9@17.72Kg each = 956.8Kg (Y) Total of (X)+(Y) = 1811.16Kg. Add wastage @5% = 90.56Kg. Total = 1901.72Kg = 19.02q				
3050	Galvanised steel corrugated sheets	quintal	19.02	5600.00	106512.00
2302	Carriage of G.I. sheet and accessories G.I. scam bolts and nuts 60cm centre to centre zig zag i.e. 30cm. centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.	tonne	1.902	92.24	175.44
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	88.40	38.00	3359.20
1023	Galvanised steel J or L hooks 8 mm dia (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 Nos. of bolts in each sheet = 810 Nos	10 Nos	81.00	120.00	9720.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810=1694	100 Nos	16.94	21.00	355.74
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	53.82	2.00	107.64
	LABOUR				
0130	Mistry	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	15.50	679.00	10524.50
0114	Beldar	day	15.50	558.00	8649.00
4202	Red oxide Zinc chromate primer	litre	2.53	110.00	278.30
9977	Carriage of material	L.S.	0.52	2.00	1.04
0131	Painter	day	1.13	679.00	767.27
0115	Coolie	day	1.13	558.00	630.54
9999	Brushes, sand papers i/c sundries	L.S.	50.57	2.00	101.14
0845	Roofing paint for iron sheets in red colour	litre	3.75	120.00	450.00
9977	Carriage of paint	L.S.	6.76	2.00	13.52
0131	Painter	day	2.53	679.00	1717.87
0115	Coolie	day	2.53	558.00	1411.74
9999	Brushes and Sandpapers	L.S.	31.98	2.00	63.96

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	38.09	2.00	76.18
	TOTAL				146436.50 W
	Add 1 % Water charges on "W"				1464.37
	TOTAL				147900.87 X
	Add GST on "X" (multiplying factor 0.1405)				20780.07
	TOTAL				168680.94 Y
	Add 15% CPOH on "Y"				25302.14
	TOTAL				193983.08 Z
	Add Cess @ 1% on "Z"				1939.83
	Cost of 184.518 Sqm.				195922.91
	Cost of 1 Sqm.				1061.81
	Say				1061.80

12.1.3 0.63 mm thick with zinc coating not less than 275 gm/ m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	<p>Details of cost for a roof with each sloping side 18.09x5.10m and slop being flatter than 1 vertical to 2.5 horizontal</p> <p>Area of roof = 2x18.09x5.1 = 184.518 sqm.</p> <p>Details of length and breadth.</p> <p>Length = 26(laps)x0.135(each lap)=3.51</p> <p>Width of Corrugator sheet with 10 corrugation measured end to end = 0.8 metres</p> <p>27 (nos. of sheets)x0.80 (width of sheet) = 21.60 length</p> <p>Less laps = 3.51</p> <p>Length = 18.09</p> <p>Breadth on one side-</p> <p>C.G.S. Sheet 1 No. of = 2.5 metres length+</p> <p>C.G.S. Sheet 1 No. of = 2.8 metres length</p> <p>= 5.3 metres</p> <p>Deduct end lap of 20cm (-)0.2 metres breadth = 5.1m</p> <p>MATERIAL</p> <p>C.G.I.Sheets 0.8mm thick</p> <p>2x27=54nos. @12.82Kg.each = 692.28 Kg(X)</p> <p>2.5mx0.9m is the size of plain G.I.sheet which on being corrugated will become 2.5mx0.8m</p> <p>(The size of plain sheet is taken because the weight is available only of plain sheets)</p> <p>(Refer I.S. Code 277-1962)</p> <p>2x27=54nos. of size.</p>				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	2.8x0.9@13.38Kg each = 775.44Kg (Y) Total of (X)+(Y) = 1467.72Kg. Add wastage @5% = 73.39Kg. Total = 1541.11Kg = 15.41q				
3050	Galvanised steel corrugated sheets	quintal	15.41	5600.00	86296.00
2302	Carriage of G.I. sheet and accessories	tonne	1.54	92.24	142.05
	G.I. scam bolts and nuts 60cm centre to centre zig zag i.e. 30cm. centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.				
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	88.40	38.00	3359.20
1023	Galvanised steel J or L hooks 8 mm dia (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 Nos. of bolts in each sheet = 810 Nos	10 Nos	81.00	120.00	9720.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	21.00	355.74
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	53.82	2.00	107.64
	LABOUR				
0130	Mistry	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	15.50	679.00	10524.50
0114	Beldar	day	15.50	558.00	8649.00
4202	Red oxide Zinc chromate primer	litre	2.53	110.00	278.30
9977	Carriage of material	L.S.	0.52	2.00	1.04
0131	Painter	day	1.13	679.00	767.27
0115	Coolie	day	1.13	558.00	630.54
9999	Brushes, sand papers i/c sundries	L.S.	50.57	2.00	101.14
0845	Roofing paint for iron sheets in red colour	litre	3.75	120.00	450.00
9977	Carriage of paint	L.S.	6.76	2.00	13.52
0131	Painter	day	2.53	679.00	1717.87
0115	Coolie	day	2.53	558.00	1411.74
9999	Brushes and Sandpapers	L.S.	31.98	2.00	63.96
9999	Sundries	L.S.	38.09	2.00	76.18
	TOTAL				126187.11 W
	Add 1 % Water charges on "W"				1261.87
	TOTAL				127448.98 X
	Add GST on "X" (multiplying factor 0.1405)				17906.58
	TOTAL				145355.56 Y
	Add 15% CPOH on "Y"				21803.33
	TOTAL				167158.90 Z
	Add Cess @ 1% on "Z"				1671.59
	Cost of 184.518 Sqm.				168830.49
	Cost of 1 Sqm.				914.98
	Say				915.00

12.2 Extra for straight cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter for chimney stacks, sky light etc.:
12.2.1 1.00 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3 metres periphery Assuming a hole of 10dmx5dm area of the hole 50dm2 and the perimeter of the hole 3 metre				
0102	LABOUR				
	Blacksmith 1st class	day	0.15	738.00	110.70
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				194.40 W
	Add 1 % Water charges on "W"				1.94
	TOTAL				196.34 X
	Add GST on "X" (multiplying factor 0.1405)				27.59
	TOTAL				223.93 Y
	Add 15% CPOH on "Y"				33.59
	TOTAL				257.52 Z
	Add Cess @ 1% on "Z"				2.58
	Cost of 3.00 metres				260.10
	Cost of 1.00 metre				86.70
	Say				86.70

12.2.2 0.80 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3 metres periphery Assuming a hole of 10dmx5dm area of the hole 50dm2 and the perimeter of the hole 3 metre				
0102	LABOUR				
	Blacksmith 1st class	day	0.12	738.00	88.56
0114	Beldar	day	0.12	558.00	66.96
	TOTAL				155.52 W
	Add 1 % Water charges on "W"				1.56
	TOTAL				157.08 X
	Add GST on "X" (multiplying factor 0.1405)				22.07
	TOTAL				179.14 Y
	Add 15% CPOH on "Y"				26.87
	TOTAL				206.02 Z
	Add Cess @ 1% on "Z"				2.06
	Cost of 3.00 metres				208.08
	Cost of 1.00 metre				69.36
	Say				69.35

12.2.3 0.63 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3 metres periphery Assuming a hole of 10dmx5dm area of the hole 50dm ² and the perimeter of the hole 3 metre LABOUR				
0102	Blacksmith 1st class	day	0.12	738.00	88.56
0114	Beldar	day	0.12	558.00	66.96
	TOTAL				155.52 W
	Add 1 % Water charges on "W"				1.56
	TOTAL				157.08 X
	Add GST on "X" (multiplying factor 0.1405)				22.07
	TOTAL				179.14 Y
	Add 15% CPOH on "Y"				26.87
	TOTAL				206.02 Z
	Add Cess @ 1% on "Z"				2.06
	Cost of 3.00 metres				208.08
	Cost of 1.00 metre				69.36
	Say				69.35

12.3 Extra for circular cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter:

12.3.1 1.00 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 holes of 0.5 metre dia-metre Perimetre of 10 nos 10x22/7x0.5 = 15.71 metre LABOUR				
0102	Blacksmith 1st class	day	3.13	738.00	2309.94
0114	Beldar	day	6.26	558.00	3493.08
	TOTAL				5803.02 W
	Add 1 % Water charges on "W"				58.03
	TOTAL				5861.05 X
	Add GST on "X" (multiplying factor 0.1405)				823.48
	TOTAL				6684.53 Y
	Add 15% CPOH on "Y"				1002.68
	TOTAL				7687.21 Z
	Add Cess @ 1% on "Z"				76.87
	Cost of 15.71 metres				7764.08
	Cost of 1.00 metre				494.21
	Say				494.20

12.3.2 0.80 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 holes of 0.5 metre dia-metre Perimetre of 10 nos 10x22/7x0.5 = 15.71 metre LABOUR				
0102	Blacksmith 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	5.00	558.00	2790.00
	TOTAL				4635.00 W
	Add 1 % Water charges on "W"				46.35
	TOTAL				4681.35 X
	Add GST on "X" (multiplying factor 0.1405)				657.73
	TOTAL				5339.08 Y
	Add 15% CPOH on "Y"				800.86
	TOTAL				6139.94 Z
	Add Cess @ 1% on "Z"				61.40
	Cost of 15.71 metres				6201.34
	Cost of 1.00 metre				394.74
	Say				394.75

12.3.3 0.63 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 holes of 0.5 metre dia-metre Perimetre of 10 nos 10x22/7x0.5 = 15.71 metre LABOUR				
0102	Blacksmith 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	5.00	558.00	2790.00
	TOTAL				4635.00 W
	Add 1 % Water charges on "W"				46.35
	TOTAL				4681.35 X
	Add GST on "X" (multiplying factor 0.1405)				657.73
	TOTAL				5339.08 Y
	Add 15% CPOH on "Y"				800.86
	TOTAL				6139.94 Z
	Add Cess @ 1% on "Z"				61.40
	Cost of 15.71 metres				6201.34
	Cost of 1.00 metre				394.74
	Say				394.75

12.4 Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete.

12.4.1 0.80 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.35 metres long ridge 0.80mm thick with zinc coating not less than 275gm/m ² Consider the length of the ridge 10.35 metres. The ridge will be made out of plain G.I. Sheets 0.9mx1.8m Three pieces will be 0.9m long and 0.60m wide overlapping 22.5cm. MATERIAL G.I. plain sheets 0.80 thick 1.80x0.90m size 5 nos. @ 11.39Kg. sheet = 56.95Kg + Add 2% wastage = 1.14 Kg. Total = 58.09 Kg. or 0.58 q.				
0992	Galvanised steel plain sheets	quintal	0.58	5000.00	2900.00
2302	Carriage of G.I. sheet and accessories	tonne	0.058	92.24	5.35
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	2.80	10.00	28.00
	25mmx6mm (There are 14 joints)				
1211	G.I. plain washer for seam bolts	100 Nos	0.28	32.00	8.96
1208	Bitumen washer	100 Nos	0.28	30.00	8.40
9977	Carriage of seam bolts and washers	L.S.	1.82	2.00	3.64
9999	Sundries	L.S.	13.52	2.00	27.04
	LABOUR				
0130	Mistry	day	0.40	738.00	295.20
0102	Blacksmith 1st class	day	1.20	738.00	885.60
0103	Blacksmith 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	2.40	558.00	1339.20
	TOTAL				6044.59 W
	Add 1 % Water charges on "W"				60.45
	TOTAL				6105.04 X
	Add GST on "X" (multiplying factor 0.1405)				857.76
	TOTAL				6962.79 Y
	Add 15% CPOH on "Y"				1044.42
	TOTAL				8007.21 Z
	Add Cess @ 1% on "Z"				80.07
	Cost of 10.35 metres				8087.28
	Cost of 1.00 metre				781.38
	Say				781.40

12.4.2 0.63 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.35 metre long ridge. G.I. plain sheets 0.63mm thick 1.8x0.9m size 5 nos. @9.23 Kg. per sheet = 46.15 Kg. + Add 2% wastage = 0.91 Kg. Total = 47.07 Kg. Say 47 Kg.				
0992	Galvanised steel plain sheets	quintal	0.47	5000.00	2350.00
2302	Carriage of G.I. sheet and accessories	tonne	0.047	92.24	4.34
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	2.80	10.00	28.00
	25mmx6mm (There are 14 joints)				
1211	G.I. plain washer for seam bolts	100 Nos	0.28	32.00	8.96
1208	Bitumen washer	100 Nos	0.28	30.00	8.40
9977	Carriage of seam bolts and washers	L.S.	1.82	2.00	3.64
9999	Sundries	L.S.	13.52	2.00	27.04
	LABOUR				
0130	Mistry	day	0.40	738.00	295.20
0102	Blacksmith 1st class	day	1.20	738.00	885.60
0103	Blacksmith 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	2.40	558.00	1339.20
	TOTAL				5493.58 W
	Add 1 % Water charges on "W"				54.94
	TOTAL				5548.51 X
	Add GST on "X" (multiplying factor 0.1405)				779.57
	TOTAL				6328.08 Y
	Add 15% CPOH on "Y"				949.21
	TOTAL				7277.29 Z
	Add Cess @ 1% on "Z"				72.77
	Cost of 10.35 metres				7350.06
	Cost of 1.00 metre				710.15
	Say				710.15

12.5 Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete :

12.5.1 1.60 mm thick with zinc coating not less than 350 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9.325m MATERIAL G.I. plain sheets 2.5x0.9m 4 nos. @ 29.95Kg/sheet =119.80Kg.+ Add 2% wastage = 2.40Kg. Total = 122.20 kg. or 1.222q.				
0992	Galvanised steel plain sheets	quintal	1.222	5000.00	6110.00
2302	Carriage of G.I. sheet and accessories	tonne	0.12	92.24	11.07

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	1.20	10.00	12.00
	25mmx6mm (There are 14 joints)				
1211	G.I. plain washer for seam bolts	100 Nos	0.12	32.00	3.84
1208	Bitumen washer	100 Nos	0.12	30.00	3.60
9977	Carriage of bolts, nuts and washers	L.S.	0.91	2.00	1.82
9999	Sundries	L.S.	13.52	2.00	27.04
	LABOUR				
0130	Mistry	day	0.40	738.00	295.20
0102	Blacksmith 1st class	day	1.20	738.00	885.60
0103	Blacksmith 2nd class	day	0.80	679.00	543.20
0114	Beldar	day	2.40	558.00	1339.20
	TOTAL				9232.57 W
	Add 1 % Water charges on "W"				92.33
	TOTAL				9324.89 X
	Add GST on "X" (multiplying factor 0.1405)				1310.15
	TOTAL				10635.04 Y
	Add 15% CPOH on "Y"				1595.26
	TOTAL				12230.30 Z
	Add Cess @ 1% on "Z"				122.30
	Cost of 9.325 metres				12352.60
	Cost of 1.00 metre				1324.68
	Say				1324.70

12.6 Providing and fixing of 40 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts, G.I. limpet and bitumen washer complete, bent to shape and fixed in wall with cement mortar 1:3 (1 cement : 3 coarse sand).

12.6.1 1.00 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 12.125m Consider a length of flashing 12.125 metres.				
	MATERIAL				
	G.I. plain sheet 1.25mm thick 3.2x0.75m				
	2 nos. @ 20.64 Kg. = 41.28 Kg.+ Add 2% wastage = 0.83 Kg Total = 42.11 Kg. or 0.4211 quintal				
0992	Galvanised steel plain sheets	quintal	0.4211	5000.00	2105.50
2302	Carriage of G.I. sheet and accessories	tonne	0.041	92.24	3.78
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.60	10.00	6.00
	(taking 2 bolts per joints)				
1207	G.I. Limpet washer	100 Nos	0.06	21.00	1.26
1208	Bitumen washer	100 Nos	0.06	30.00	1.80
9977	Carriage of G.I. seam bolts and washers	L.S.	0.39	2.00	0.78
9999	Sundries	L.S.	10.79	2.00	21.58

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0130	Mistry	day	0.50	738.00	369.00
0102	Blacksmith 1st class	day	1.48	738.00	1092.24
0103	Blacksmith 2nd class	day	1.00	679.00	679.00
0114	Beldar	day	3.00	558.00	1674.00
	TOTAL				5954.94 W
	Add 1 % Water charges on "W"				59.55
	TOTAL				6014.49 X
	Add GST on "X" (multiplying factor 0.1405)				845.04
	TOTAL				6859.53 Y
	Add 15% CPOH on "Y"				1028.93
	TOTAL				7888.46 Z
	Add Cess @ 1% on "Z"				78.88
	Cost of 12.125 metres				7967.34
	Cost of 1.00 metre				657.10
	Say				657.10

12.7 Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.

12.7.1 0.80 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9.04m 0.80mm thick with zinc coating not less than 275gm/m ² Consider a length of 9.04m Sheet used = 2.5x0.90m = 2 nos. Wt. = 2x15.82=31.64 Kg. = 0.3164q Total = 0.3164quintal				
	MATERIAL				
0992	Galvanised steel plain sheets	quintal	0.3164	5000.00	1582.00
2302	Carriage of G.I. sheet and accessories	tonne	0.0316	92.24	2.91
1008	Flats upto 10 mm in thickness	quintal	0.0749	4500.00	337.05
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	2.00	38.00	76.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	30.00	9.00	270.00
1210	G.I. plain washer thin	100 Nos	0.70	21.00	14.70
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of G.I. seam bolts and washers	L.S.	2.73	2.00	5.46
9999	Sundries	L.S.	5.33	2.00	10.66
	LABOUR				
0102	Blacksmith 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries	L.S.	12.61	2.00	25.22
0130	Mistry	day	0.28	738.00	206.64
0102	Blacksmith 1st class	day	0.84	738.00	619.92

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	Carpenter 2nd class	day	0.62	679.00	420.98
0114	Beldar	day	1.68	558.00	937.44
	TOTAL				5168.98 W
	Add 1 % Water charges on "W"				51.69
	TOTAL				5220.67 X
	Add GST on "X" (multiplying factor 0.1405)				733.50
	TOTAL				5954.18 Y
	Add 15% CPOH on "Y"				893.13
	TOTAL				6847.31 Z
	Add Cess @ 1% on "Z"				68.47
	Cost of 9.04 metres				6915.78
	Cost of 1.00 metre				765.02
	Say				765.00

12.7.2 0.63 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9.04m 0.63mm thick with zinc coating not less than 275gm/m ² Consider a length of 9.04m Sheet used = 2.5x0.90m = 2 nos. Wt. = 2x11.82=23.64 Kg. = 0.2364q Total = 0.2364quintal MATERIAL				
0992	Galvanised steel plain sheets	quintal	0.2364	5000.00	1182.00
2302	Carriage of G.I. sheet and accessories	tonne	0.0236	92.24	2.18
1008	Flats upto 10 mm in thickness	quintal	0.0749	4500.00	337.05
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	2.00	38.00	76.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	30.00	9.00	270.00
1210	G.I. plain washer thin	100 Nos	0.70	21.00	14.70
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of G.I. seam bolts and washers	L.S.	2.73	2.00	5.46
9999	Sundries	L.S.	5.33	2.00	10.66
	LABOUR				
0102	Blacksmith 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries	L.S.	12.61	2.00	25.22
0130	Mistry	day	0.28	738.00	206.64
0102	Blacksmith 1st class	day	0.84	738.00	619.92
0112	Carpenter 2nd class	day	0.62	679.00	420.98

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	1.68	558.00	937.44
	TOTAL				4768.25 W
	Add 1 % Water charges on "W"				47.68
	TOTAL				4815.93 X
	Add GST on "X" (multiplying factor 0.1405)				676.64
	TOTAL				5492.57 Y
	Add 15% CPOH on "Y"				823.89
	TOTAL				6316.45 Z
	Add Cess @ 1% on "Z"				63.16
	Cost of 9.04 metres				6379.62
	Cost of 1.00 metre				705.71
	Say				705.70

12.8 Providing reinforced by organic fibres and/or inorganic synthetic fibres cement 6 mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8 mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0223	Details of cost for 216.14 sqm area of roof upto 60° pitch Upto 60 degree pitch Consider a shed of 20x10 metres. (External dimensions of plinth). Area of roof- 20.2x10.70m = 216.14 sqm. MATERIAL Sheets used = 2x20 nos.x3.00mx 1.05m =126.00sqm+ 2x20nos.x2.50mx1.05m=105.00sqm. Total = 231.00sqm. + Add 3% wastage = 6.93 Total = 237.93sqm. Fibre reinforced by organic fibres and / or inorganic synthetic fibres cement corrugated sheet 6 mm thick 2x20x0.42147 = 1.68588 + 2x20x0.35123= 1.4049 Total = 3.0908+ Add 3 % wastage = 0.092 Total = 3.1835 Say 3.184 t	sqm	237.93	225.00	53534.25
2273	Carriage of A.C.sheet and accessories	tonne	3.184	92.24	293.69
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	47.60	120.00	5712.00
1208	Bitumen washer	100 Nos	4.76	30.00	142.80
1209	G.I. plain washer thick	100 Nos	4.76	35.00	166.60
9977	Carriage of bolts and nuts, washers etc.	L.S.	8.06	2.00	16.12
9999	Sundries	L.S.	39.52	2.00	79.04
	LABOUR				
0130	Mistry	day	2.34	738.00	1726.92

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	Carpenter 2nd class	day	9.34	679.00	6341.86
0114	Beldar	day	9.34	558.00	5211.72
	TOTAL				73225.00 W
	Add 1 % Water charges on "W"				732.25
	TOTAL				73957.25 X
	Add GST on "X" (multiplying factor 0.1405)				10390.99
	TOTAL				84348.25 Y
	Add 15% CPOH on "Y"				12652.24
	TOTAL				97000.48 Z
	Add Cess @ 1% on "Z"				970.00
	Cost of 216.14 sqm.				97970.49
	Cost of 1.00 sqm.				453.27
	Say				453.25

12.9 Extra for straight cutting in reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated, semi corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter for chimney stacks, skylights etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3 metres of periphery Area of cutting 0.9mx0.6m=0.54sqm. Perimeter = 3 metres LABOUR				
0111	Carpenter 1st class	day	0.12	738.00	88.56
0114	Beldar	day	0.12	558.00	66.96
	TOTAL				155.52 W
	Add 1 % Water charges on "W"				1.56
	TOTAL				157.08 X
	Add GST on "X" (multiplying factor 0.1405)				22.07
	TOTAL				179.14 Y
	Add 15% CPOH on "Y"				26.87
	TOTAL				206.02 Z
	Add Cess @ 1% on "Z"				2.06
	Cost of 3.00 metres of periphery				208.08
	Cost of 1.00 metre of periphery				69.36
	Say				69.35

12.10 Extra for circular cutting in reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated/ semi corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4 holes of 0.72 metre diameter i.e. 9.05 metre periphery LABOUR				
0111	Carpenter 1st class	day	1.00	738.00	738.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				1296.00 W
	Add 1 % Water charges on "W"				12.96
	TOTAL				1308.96 X
	Add GST on "X" (multiplying factor 0.1405)				183.91
	TOTAL				1492.87 Y
	Add 15% CPOH on "Y"				223.93
	TOTAL				1716.80 Z
	Add Cess @ 1% on "Z"				17.17
	Cost of 9.05 metres of periphery				1733.97
	Cost of 1.00 metre of periphery				191.60
	Say				191.60

12.11 Extra for providing and fixing wind ties of 40x 6 mm flat iron section.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 30 metres Extra for providing and fixing wind ties of 40x6mm flat iron section. M.S. flat 40x6mm = 30 metres+ wastage @ 5% = 1.5 metres = 31.50 metres @ 1.9 Kg per metre = 59.85 Kg. = 0.5985 quintal				
1008	Flats upto 10 mm in thickness	quintal	0.5985	4500.00	2693.25
2205	Carriage of Steel	tonne	0.06	92.24	5.53
9999	Sundries	L.S.	20.67	2.00	41.34
0102	Blacksmith 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
	TOTAL				3388.12 W
	Add 1 % Water charges on "W"				33.88
	TOTAL				3422.01 X
	Add GST on "X" (multiplying factor 0.1405)				480.79
	TOTAL				3902.80 Y
	Add 15% CPOH on "Y"				585.42
	TOTAL				4488.22 Z
	Add Cess @ 1% on "Z"				44.88
	Cost of 30.00 metres				4533.10
	Cost of 1.00 metre				151.10
	Say				151.10

12.12 Providing and fixing ridges and hips in fibre cement reinforced by organic fibres and/or inorganic synthetic fibres roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc. complete.

12.12.1 Corrugated serrated adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for length of ridge 20.2 metres				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0225	One piece corrugated serrated adjustable ridges Consider a shed of 20x10m (external dimensions at plinth). Length of ridges 20.2 metre MATERIAL Ridge piece required each of 1.22mm length = 19 nos. + Add 5% wastage = 0.95 No. Nos x 1.22 = 24.339 metre Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement conjugated serrated adjustable ridge.	metre	24.339	210.00	5111.19
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	2.00	27.04
9999	Sundries	L.S.	6.76	2.00	13.52
	LABOUR				
0130	Mistry	day	0.14	738.00	103.32
0112	Carpenter 2nd class	day	0.55	679.00	373.45
0114	Beldar	day	1.64	558.00	915.12
	TOTAL				6543.64 W
	Add 1 % Water charges on "W"				65.44
	TOTAL				6609.08 X
	Add GST on "X" (multiplying factor 0.1405)				928.58
	TOTAL				7537.65 Y
	Add 15% CPOH on "Y"				1130.65
	TOTAL				8668.30 Z
	Add Cess @ 1% on "Z"				86.68
	Cost of 20.20 metre				8754.98
	Cost of 1.00 metre				433.41
	Say				433.40

12.12.2 Plain wing adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0226	Details of cost for length of ridge 20.20 metres Plain wing adjustable ridges Consider a shed of 20x10m (external dimensions at plinth). Length of ridges 20.2 metre MATERIAL Ridge piece required each of 1.22m length = 19 nos. + Add 5% wastage = 0.95 No. 19.95 nos x 1.22 = 24.339 metre Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement plain wing adjustable ridge.	metre	24.339	210.00	5111.19
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	2.00	27.04
9999	Sundries	L.S.	6.76	2.00	13.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0130	LABOUR				
	Mistry	day	0.14	738.00	103.32
0112	Carpenter 2nd class	day	0.55	679.00	373.45
0114	Beldar	day	1.64	558.00	915.12
	TOTAL				6543.64 W
	Add 1 % Water charges on "W"				65.44
	TOTAL				6609.08 X
	Add GST on "X" (multiplying factor 0.1405)				928.58
	TOTAL				7537.65 Y
	Add 15% CPOH on "Y"				1130.65
	TOTAL				8668.30 Z
	Add Cess @ 1% on "Z"				86.68
	Cost of 20.20 metre				8754.98
	Cost of 1.00 metre				433.41
	Say				433.40

12.12.3 Close fitting adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for length of ridge 20.2 metres Close fitting adjustable ridges Consider a shed of 20x10m (external dimensions at plinth). Length of ridges 20.2 metre No. of ridge pairs required, of length 1.22m each = 22.00 nos. + Add 5% wastage = 1.10 Nos. = 23.10 nos.x 1.22= 28.182 metre				
0224	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement close fitting adjustable ridge.	metre	28.182	210.00	5918.22
9977	Carriage	L.S.	16.12	2.00	32.24
9999	Sundries	L.S.	7.15	2.00	14.30
	LABOUR				
0130	Mistry	day	0.14	738.00	103.32
0112	Carpenter 2nd class	day	0.55	679.00	373.45
0114	Beldar	day	1.64	558.00	915.12
	TOTAL				7356.65 W
	Add 1 % Water charges on "W"				73.57
	TOTAL				7430.22 X
	Add GST on "X" (multiplying factor 0.1405)				1043.95
	TOTAL				8474.16 Y
	Add 15% CPOH on "Y"				1271.12
	TOTAL				9745.29 Z
	Add Cess @ 1% on "Z"				97.45
	Cost of 20.20 metre				9842.74
	Cost of 1.00 metre				487.26
	Say				487.25

12.12.4 Unserrated adjustable hips

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0227	Details of cost for a shed with hip as 20.2 metres Unserrated adjustable hips Consider a shed with hip as 20.2 metres No. of hi pieces required = 19 pairs Length of each pair 1.22 metres Add 5 % wastage = 0.95 pairs = 19.95 pairs x 1.22 = 24.339 metre Fibre reinforced by organic fibres and/ or inorganic synthetic fibres cement unserrated adjustable adjustable ridge for hips.	metre	24.339	210.00	5111.19
9977	Carriage	L.S.	6.76	2.00	13.52
9999	Sundries	L.S.	6.63	2.00	13.26
	LABOUR				
0130	Mistry	day	0.14	738.00	103.32
0112	Carpenter 2nd class	day	0.55	679.00	373.45
0114	Beldar	day	1.64	558.00	915.12
	TOTAL				6529.86 W
	Add 1 % Water charges on "W"				65.30
	TOTAL				6595.16 X
	Add GST on "X" (multiplying factor 0.1405)				926.62
	TOTAL				7521.78 Y
	Add 15% CPOH on "Y"				1128.27
	TOTAL				8650.05 Z
	Add Cess @ 1% on "Z"				86.50
	Cost of 20.20 metre				8736.55
	Cost of 1.00 metre				432.50
	Say				432.50

12.13 Providing and fixing fibre cement reinforced by organic fibres and/or inorganic synthetic fibres roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete:

12.13.1 Corrugated apron pieces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0228	Details for shed of 20.2 metres completed length MATERIAL Corrugated apron pieces of 1.12 metre length = 20 nos.+ Add 5% wastage = 1.0 No. Total = 21 nos.x 1.12=23.52 metre Fibre reinforced by organic fibres and/ or inorganic synthetic fibres cement corrugated apron piece.	metre	23.52	200.00	4704.00
9977	Carriage of apron pieces. (The apron pieces are to be fixed with the same hooks as the sheets)	L.S.	3.25	2.00	6.50
9999	Sundries	L.S.	3.25	2.00	6.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0130	LABOUR				
0112	Mistry	day	0.07	738.00	51.66
0114	Carpenter 2nd class	day	0.28	679.00	190.12
	Beldar	day	0.82	558.00	457.56
	TOTAL				5416.34 W
	Add 1 % Water charges on "W"				54.16
	TOTAL				5470.50 X
	Add GST on "X" (multiplying factor 0.1405)				768.61
	TOTAL				6239.11 Y
	Add 15% CPOH on "Y"				935.87
	TOTAL				7174.98 Z
	Add Cess @ 1% on "Z"				71.75
	Cost of 20.20 metre				7246.73
	Cost of 1.00 metre				358.75
	Say				358.75

12.13.2 Eave's filler pieces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of eaves filler for a shed of 20.2 metres complete length				
	MATERIAL				
	Eaves filler pieces of 0.16 metres length = 20 nos.+				
	Add 5% wastage = 1.0 No.				
0229	Fibre reinforced by organic fibres and/ or inorganic synthetic fibres cement eaves filler piece.	each	21.00	175.00	3675.00
9999	The eaves filler pieces are to be fixed with the same hooks as the sheets	L.S.	3.25	2.00	6.50
9999	Sundries	L.S.	3.25	2.00	6.50
	LABOUR				
0130	Mistry	day	0.07	738.00	51.66
0112	Carpenter 2nd class	day	0.28	679.00	190.12
0114	Beldar	day	0.82	558.00	457.56
	TOTAL				4387.34 W
	Add 1 % Water charges on "W"				43.87
	TOTAL				4431.21 X
	Add GST on "X" (multiplying factor 0.1405)				622.59
	TOTAL				5053.80 Y
	Add 15% CPOH on "Y"				758.07
	TOTAL				5811.87 Z
	Add Cess @ 1% on "Z"				58.12
	Cost of 20.20 metres				5869.99
	Cost of 1.00 metre				290.59
	Say				290.60

12.13.3 North light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of North light curve 20.2 metres long complete length				
	MATERIAL				
	North light curves of 1.016 metres nominal length = 20 nos. + Add 5% wastage = 1.0 No. = 21 nos.x 1.016 = 21.336 metre				
0230	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement north light curves.	metre	21.336	280.00	5974.08
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	120.00	480.00
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.00	19.76
9999	Sundries	L.S.	6.24	2.00	12.48
	LABOUR				
0130	Mistry	day	0.10	738.00	73.80
0112	Carpenter 2nd class	day	0.30	679.00	203.70
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				7347.82 W
	Add 1 % Water charges on "W"				73.48
	TOTAL				7421.30 X
	Add GST on "X" (multiplying factor 0.1405)				1042.69
	TOTAL				8463.99 Y
	Add 15% CPOH on "Y"				1269.60
	TOTAL				9733.59 Z
	Add Cess @ 1% on "Z"				97.34
	Cost of 20.20 metres				9830.93
	Cost of 1.00 metre				486.68
	Say				486.70

12.13.4 Ventilator curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of ventilator curve 20.2 metres long complete length				
	MATERIAL				
	North light curves of 1.016 metres nominal length = 20 nos. + Add 5% wastage = 1.0 No. Total = 21 nos.x 1.016 = 21.336 metre				
0231	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement ventilator curves	each	21.336	310.00	6614.16
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	120.00	480.00
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.00	19.76
9999	Sundries	L.S.	6.24	2.00	12.48

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0130	LABOUR				
	Mistry	day	0.10	738.00	73.80
0112	Carpenter 2nd class	day	0.30	679.00	203.70
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				7987.90 W
	Add 1 % Water charges on "W"				79.88
	TOTAL				8067.78 X
	Add GST on "X" (multiplying factor 0.1405)				1133.52
	TOTAL				9201.30 Y
	Add 15% CPOH on "Y"				1380.20
	TOTAL				10581.50 Z
	Add Cess @ 1% on "Z"				105.81
	Cost of 20.20 metre				10687.31
	Cost of 1.00 metre				529.07
	Say				529.05

12.13.5 Barge boards

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9.70 metres				
	Completed length of barge boards				
	MATERIAL				
	Barge boards 2.50metres = 4 nos. x 2.50 = 10.00 metre				
	Add 5% wastage = 0.50 metre.				
	Total = 10.50 metre.				
0232	Fibre reinforced by organic and/ or inorganic synthetic fibres cement barge boards 6 mm thick.	metre	10.50	400.00	4200.00
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.50	10.00	5.00
1211	G.I. plain washer for seam bolts	100 Nos	0.10	32.00	3.20
1208	Bitumen washer	100 Nos	0.05	30.00	1.50
9977	Carriage of barge boards, bolts, nuts and washers	L.S.	9.36	2.00	18.72
9999	Sundries	L.S.	6.76	2.00	13.52
	LABOUR				
0130	Mistry	day	0.04	738.00	29.52
0112	Carpenter 2nd class	day	0.06	679.00	40.74
0114	Beldar	day	0.40	558.00	223.20
	TOTAL				4535.40 W
	Add 1 % Water charges on "W"				45.35
	TOTAL				4580.75 X
	Add GST on "X" (multiplying factor 0.1405)				643.60
	TOTAL				5224.35 Y
	Add 15% CPOH on "Y"				783.65
	TOTAL				6008.00 Z
	Add Cess @ 1% on "Z"				60.08
	Cost of 9.70 metre				6068.08
	Cost of 1.00 metre				625.58
	Say				625.60

12.13.6 Ridge finials

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0233	Details of a pair of ridge final MATERIAL Ridge final = pair Add 5% wastage = 0.05pair. Total = 1.05 pair Fibre reinforced by organic fibres and/ or inorganic synthetic fibres cement ridge finial.	pair	1.05	165.00	173.25
9988	Carriage, sundries, fixing charges including providing and fixing, seam bolts and nuts, with G.I. and bitumen washers	L.S.	10.79	2.00	21.58
	TOTAL				194.83 W
	Add 1 % Water charges on "W"				1.95
	TOTAL				196.78 X
	Add GST on "X" (multiplying factor 0.1405)				27.65
	TOTAL				224.43 Y
	Add 15% CPOH on "Y"				33.66
	TOTAL				258.09 Z
	Add Cess @ 1% on "Z"				2.58
	Cost of 1.00 pair				260.67
	Say				260.65

12.13.7 Special north light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0234	Details of cost for 20 Nos Details of special north light ventilator curve 20.2 metres long complete length MATERIAL Special north light curves of 1.016 metres nominal length = 20 nos. + Add 5% wastage = 1.0 No. Total = 21 nos. Fibre reinforced by organic fibres and/ or inorganic synthetic fibres cement special north light curves.	each	21.00	555.00	11655.00
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	120.00	480.00
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.00	19.76
9999	Sundries	L.S.	6.24	2.00	12.48
	LABOUR				
0130	Mistry	day	0.10	738.00	73.80
0112	Carpenter 2nd class	day	0.30	679.00	203.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				13028.74 W
	Add 1 % Water charges on "W"				130.29
	TOTAL				13159.03 X
	Add GST on "X" (multiplying factor 0.1405)				1848.84
	TOTAL				15007.87 Y
	Add 15% CPOH on "Y"				2251.18
	TOTAL				17259.05 Z
	Add Cess @ 1% on "Z"				172.59
	Cost of 20 nos				17431.64
	Cost of 1.00 no				871.58
	Say				871.60

12.13.8 S type louvers

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 8.74 metres MATERIAL				
	S type louvers = 5 nos.+				
	Add 5% wastage = 0.25 nos.				
	Total = 5.25 nos.				
0235	Fibre reinforced by organic fibres and/ or inorganic synthetic fibres cement S type louvers.	each	5.25	260.00	1365.00
9977	Carriage	L.S.	10.79	2.00	21.58
1031	Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steel nuts	each	6.00	20.00	120.00
1032	Galvanised steel bolts 10 mm dia and 7 cm long with nuts	each	6.00	6.00	36.00
1208	Bitumen washer	100 Nos	0.18	30.00	5.40
1210	G.I. plain washer thin	100 Nos	0.36	21.00	7.56
9977	Carriage of bolts and nuts and washers	L.S.	2.73	2.00	5.46
9999	Sundries	L.S.	13.39	2.00	26.78
	LABOUR				
0111	Carpenter 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
0102	Blacksmith 1st class	day	0.12	738.00	88.56
	TOTAL				2972.34 W
	Add 1 % Water charges on "W"				29.72
	TOTAL				3002.06 X
	Add GST on "X" (multiplying factor 0.1405)				421.79
	TOTAL				3423.85 Y
	Add 15% CPOH on "Y"				513.58
	TOTAL				3937.43 Z
	Add Cess @ 1% on "Z"				39.37
	Cost of 8.74 metres				3976.81
	Cost of 1.00 metre				455.01
	Say				455.00

12.14 Providing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing G.S. sheets gutters with purlins.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 20 metres				
	MATERIAL				
	Flat 50x3mm size				
1008	Flats upto 10 mm in thickness	quintal	0.1163	4500.00	523.35
1025	Mild stel bolts 6 mm dia and 25 mm long with hexagonal head	10 Nos	3.80	10.00	38.00
1210	G.I. plain washer thin	100 Nos	0.19	21.00	3.99
9999	Sundries	L.S.	1.04	2.00	2.08
0102	Blacksmith 1st class	day	0.38	738.00	280.44
0114	Beldar	day	0.38	558.00	212.04
	TOTAL				1059.90 W
	Add 1 % Water charges on "W"				10.60
	TOTAL				1070.50 X
	Add GST on "X" (multiplying factor 0.1405)				150.41
	TOTAL				1220.90 Y
	Add 15% CPOH on "Y"				183.14
	TOTAL				1404.04 Z
	Add Cess @ 1% on "Z"				14.04
	Cost of 20.00 metres				1418.08
	Cost of 1.00 metre				70.90
	Say				70.90

12.15 Painting top of roofs with bitumen of approved quality @ 17kg per 10 sqm impregnated with a coat of coarse sand at 60 cum per 10 sqm, including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete :

12.15.1 With residual type petroleum bitumen of grade VG -10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 Sqm.				
	MATERIAL				
	Bitumen 80/100				
0309	Paving bitumen VG-10 of approved quality	tonne	0.017	25614.00	435.44
0771	Kerosene oil	litre	1.22	50.00	61.00
0370	Coal (steam)	quintal	0.035	440.00	15.40
2211	Carriage of Tar bitumen	tonne	0.017	103.77	1.76
0982	Coarse sand (zone III)	cum	0.06	1350.00	81.00
2203	Carriage of Coarse sand	cum	0.06	103.77	6.23
	LABOUR				
0114	Beldar	day	0.38	558.00	212.04
	(for cleaning the surface, applying kerosene oil, heating materials and carrying the hot tar over the roof				
0131	Painter	day	0.15	679.00	101.85

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (Brushes and T and P)	L.S.	13.52	2.00	27.04
	TOTAL				941.76 W
	Add 1 % Water charges on "W"				9.42
	TOTAL				951.18 X
	Add GST on "X" (multiplying factor 0.1405)				133.64
	TOTAL				1084.82 Y
	Add 15% CPOH on "Y"				162.72
	TOTAL				1247.54 Z
	Add Cess @ 1% on "Z"				12.48
	Cost of 10.00 sqm.				1260.01
	Cost of 1 Sqm.				126.00
	Say				126.00

12.16 10 cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar mixed with bhusa @ 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow dung) and covered with flat tile bricks, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat:

12.16.1 With common burnt clay F.P.S.(non modular) brick tile of class designation 10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0811	Details of cost for (mud) 10.00sqm. MATERIAL Mud Phuska = 1.048 cum. + Wastage 20% = 0.209 = 1.257 cum. Mud (dry)	cum	1.257	165.00	207.41
3.18	Mud mortar for 25 mm thick plaster over phuska Rate as per Item Number 3.18 of SH: Mortars	cum	0.263	737.00	193.83
0308	Bhusa 0.263x35 = 9.20 + 5% wastage = 0.46 Total = 9.66 Kg. say 10 kg = 0.1 q	quintal	0.10	500.00	50.00
9999	Cowdung	L.S.	5.33	2.00	10.66
9999	Mud mortar for gobri leaping	L.S.	8.06	2.00	16.12
9977	Carriage of bhusa and cowdung	L.S.	2.73	2.00	5.46
1984	Tile bricks 22.9x11.4x4.4cm of designation 100 Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.38	4500.00	1710.00
2207	Carriage of Brick tiles	1000 Nos	0.38	166.03	63.09
3.3	Cement mortar for grouting 1:3 (1 cement : 3 fine sand) Rate as per Item Number 3.3 of SH: Mortars	cum	0.061	4183.05	255.17
1213	Integral water proofing compound 2% by weight of cement				
9999	Water proofing materials	kilogram	0.006	35.00	0.21
9999	Sundries	L.S.	6.76	2.00	13.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	LABOUR				
	Mason (brick layer) 2nd class	day	1.30	679.00	882.70
0114	Beldar	day	3.75	558.00	2092.50
0101	Bhisti	day	1.10	617.00	678.70
	TOTAL				6179.36 W
	Add 1 % Water charges on "W"				61.79
	TOTAL				6241.16 X
	Add GST on "X" (multiplying factor 0.1405)				876.88
	TOTAL				7118.04 Y
	Add 15% CPOH on "Y"				1067.71
	TOTAL				8185.75 Z
	Add Cess @ 1% on "Z"				81.86
	Cost of 10.00 sqm.				8267.60
	Cost of 1 Sqm.				826.76
	Say				826.75

12.17 10cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar with bhusha @ 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow-dung) and covered with machine moulded tile bricks, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat.

12.17.1 With machine moulded common burnt clay F.P.S. (non modular) brick tiles of class designation 12.5, conforming to IS 2690

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for (mud) 10.00sqm.				
	MATERIAL				
	Mud Phuska = 1.048 cum.				
	Wastage 20% = 0.209				
	Total = 1.257 cum.				
0811	Mud (dry)	cum	1.257	165.00	207.41
	Mud mortar for 25 mm thick plaster over phuska				
3.18	Rate as per Item Number 3.18 of SH: Mortars	cum	0.263	737.00	193.83
	Bhusa 0.263x35 = 9.20				
	5% wastage = 0.46				
	Total = 9.66 Kg. say 10 kg = 0.1 q				
0308	Bhusa	quintal	0.10	500.00	50.00
9999	Cowdung	L.S.	5.33	2.00	10.66
9999	Mud mortar for gobri leaping	L.S.	8.06	2.00	16.12
9977	Carriage of bhusa and cowdung	L.S.	2.73	2.00	5.46
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	0.38	4900.00	1862.00
2207	Carriage of Brick tiles	1000 Nos	0.38	166.03	63.09
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.061	4183.05	255.17
1213	Integral water proofing compound 2% by weight of cement				
9999	Water proofing materials	kilogram	0.006	35.00	0.21
	Sundries	L.S.	6.76	2.00	13.52
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.30	679.00	882.70
0114	Beldar	day	3.75	558.00	2092.50
0101	Bhisti	day	1.10	617.00	678.70
	TOTAL				6331.36 W
	Add 1 % Water charges on "W"				63.31
	TOTAL				6394.68 X
	Add GST on "X" (multiplying factor 0.1405)				898.45
	TOTAL				7293.13 Y
	Add 15% CPOH on "Y"				1093.97
	TOTAL				8387.10 Z
	Add Cess @ 1% on "Z"				83.87
	Cost of 10.00 sqm.				8470.97
	Cost of 1 Sqm.				847.10
	Say				847.10

12.18 Extra for every additional 1 cm thickness of mud phaska.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 10 sqm				
	MATERIAL				
	For 10 cm thickness				
	Mud Phuska = 1.048 cum. +				
	Wastage 20% = 0.209				
	= 1.257 cum.				
	Quantity for 1 cm thickness				
	1.257/10 = 0.1257 cum say 0.13 cum				
0811	Mud (dry)	cum	0.13	165.00	21.45
0114	Beldar	day	0.07	558.00	39.06
0101	Bhisti	day	0.04	617.00	24.68
9999	Labour for leaping and carrying to roof	L.S.	26.91	2.00	53.82
	TOTAL				139.01 W
	Add 1 % Water charges on "W"				1.39
	TOTAL				140.40 X
	Add GST on "X" (multiplying factor 0.1405)				19.73
	TOTAL				160.13 Y
	Add 15% CPOH on "Y"				24.02
	TOTAL				184.15 Z
	Add Cess @ 1% on "Z"				1.84
	Cost of 10.00 sqm.				185.99
	Cost of 1 Sqm.				18.60
	Say				18.60

- 12.19 Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat:**
- 12.19.1 With common burnt clay F.P.S. (non modular) brick tiles of class designation 10**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
1984	Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.38	4500.00	1710.00
2207	Carriage of Brick tiles	1000 Nos	0.38	166.03	63.09
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)				
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.179	4183.05	748.77
	Integral water proofing compound 2% by weight of cement				
1213	Water proofing materials	kilogram	0.005	35.00	0.18
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.81	679.00	549.99
0115	Coolie	day	1.08	558.00	602.64
0101	Bhisti	day	0.27	617.00	166.59
9999	Sundries	L.S.	1.82	2.00	3.64
	TOTAL				3844.89 W
	Add 1 % Water charges on "W"				38.45
	TOTAL				3883.34 X
	Add GST on "X" (multiplying factor 0.1405)				545.61
	TOTAL				4428.95 Y
	Add 15% CPOH on "Y"				664.34
	TOTAL				5093.29 Z
	Add Cess @ 1% on "Z"				50.93
	Cost of 10.00 sqm.				5144.23
	Cost of 1 Sqm.				514.42
	Say				514.40

- 12.20 Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
7266	Pressed clay tiles 20 mm thick 250 x 250 mm size	1000 Nos	0.16	8600.00	1376.00
2207	Carriage of Brick tiles	1000 Nos	0.16	166.03	26.56
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.037	4010.35	148.38
1213	Integral water proofing compound 2% by weight of cement				
	Water proofing materials	kilogram	0.01	35.00	0.35
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4010.35	898.32
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	738.00	442.80
0114	Beldar	day	2.60	558.00	1450.80
9999	Sundries	L.S.	13.00	2.00	26.00
	TOTAL				4369.22 W
	Add 1 % Water charges on "W"				43.69
	TOTAL				4412.91 X
	Add GST on "X" (multiplying factor 0.1405)				620.01
	TOTAL				5032.92 Y
	Add 15% CPOH on "Y"				754.94
	TOTAL				5787.86 Z
	Add Cess @ 1% on "Z"				57.88
	Cost of 10.00 sqm.				5845.74
	Cost of 1 Sqm.				584.57
	Say				584.55

12.21 Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :

12.21.1 In 75x75 mm deep chase

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metres cement concrete				
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0836	1350.00	112.86
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0836	103.77	8.68
0982	Coarse sand (zone III)	cum	0.0418	1350.00	56.43
2203	Carriage of Coarse sand	cum	0.0418	103.77	4.34
0367	Portland Cement (OPC-43 grade)	tonne	0.03	4940.00	148.20
2209	Carriage of Cement	tonne	0.03	92.24	2.77
0114	Beldar	day	0.085	558.00	47.43
0115	Coolie	day	0.056	558.00	31.25
0101	Bhisti	day	0.025	617.00	15.43
0123	Mason (brick layer) 1st class	day	0.005	738.00	3.69
0124	Mason (brick layer) 2nd class	day	0.005	679.00	3.40
0128	Mate	day	0.0037	617.00	2.28
9999	Hire and running charge of mechanical mixer	L.S.	2.47	2.00	4.94
9999	Sundries	L.S.	1.30	2.00	2.60
0123	Mason (brick layer) 1st class	day	0.15	738.00	110.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	Mason (brick layer) 2nd class	day	0.15	679.00	101.85
9999	Sundries	L.S.	5.07	2.00	10.14
0123	Mason (brick layer) 1st class	day	0.25	738.00	184.50
0124	Mason (brick layer) 2nd class	day	0.25	679.00	169.75
0114	Beldar	day	1.00	558.00	558.00
9977	Carriage	L.S.	8.06	2.00	16.12
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)				
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.009	4183.05	37.65
0155	Mason (average)	day	0.081	709.00	57.43
0115	Coolie	day	0.101	558.00	56.36
0101	Bhisti	day	0.033	617.00	20.36
9999	Hire and running charges of mechanical mixer	L.S.	1.69	2.00	3.38
9999	Sundries	L.S.	1.43	2.00	2.86
	TOTAL				1773.38 W
	Add 1 % Water charges on "W"				17.73
	TOTAL				1791.11 X
	Add GST on "X" (multiplying factor 0.1405)				251.65
	TOTAL				2042.76 Y
	Add 15% CPOH on "Y"				306.41
	TOTAL				2349.18 Z
	Add Cess @ 1% on "Z"				23.49
	Cost of 10.00 metre				2372.67
	Cost of 1.00 metre				237.27
	Say				237.25

12.22 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m 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.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0295	Details of cost for 1 no. Stone Aggregate (Single size) : 20 mm nominal size	cum	0.0067	1350.00	9.05
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0022	1350.00	2.97
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0089	103.77	0.92
0982	Coarse sand (zone III)	cum	0.0044	1350.00	5.94
2203	Carriage of Coarse sand	cum	0.0044	103.77	0.46
0367	Portland Cement (OPC-43 grade)	tonne	0.0032	4940.00	15.81
2209	Carriage of Cement	tonne	0.0032	92.24	0.30
0114	Beldar	day	0.009	558.00	5.02
0115	Coolie	day	0.006	558.00	3.35
0101	Bhisti	day	0.0027	617.00	1.67
0123	Mason (brick layer) 1st class	day	0.0005	738.00	0.37

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0124	Mason (brick layer) 2nd class	day	0.0005	679.00	0.34
0128	Mate	day	0.0004	617.00	0.25
9999	Hire and running charge of mechanical mixer	L.S.	0.26	2.00	0.52
9999	Sundries	L.S.	0.13	2.00	0.26
3002	Polyvinyl chloride sheet 400 micron thick	sqm	1.00	40.00	40.00
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.0041	4664.55	19.12
0155	Mason (average)	day	0.0235	709.00	16.66
0115	Coolie	day	0.0235	558.00	13.11
0101	Bhisti	day	0.0078	617.00	4.81
9999	Sundries	L.S.	0.39	2.00	0.78
0367	Portland Cement (OPC-43 grade)	tonne	0.0006	4940.00	2.96
2209	Carriage of Cement	tonne	0.0006	92.24	0.06
0155	Mason (average)	day	0.008	709.00	5.67
0115	Coolie	day	0.008	558.00	4.46
9999	Rounding of edges and making outlet	L.S.	0.26	2.00	0.52
9999	Sundries	L.S.	13.52	2.00	27.04
	TOTAL				182.42 W
	Add 1 % Water charges on "W"				1.82
	TOTAL				184.24 X
	Add GST on "X" (multiplying factor 0.1405)				25.89
	TOTAL				210.13 Y
	Add 15% CPOH on "Y"				31.52
	TOTAL				241.65 Z
	Add Cess @ 1% on "Z"				2.42
	Cost of 1 no.				244.06
	Say				244.05

12.23 Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete :

12.23.1 Red sand stone slab

12.23.1.1 40 to 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1174	Details of cost for 10 sqm. MATERIAL Red sand stone slab 45 mm and 50 mm thick (un-dressed)	sqm	11.00	225.00	2475.00
2216	including wastage @ 10% = 11 sqm Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1 : 4 (1 cement : 4 coarse sand)	tonne	1.27	92.24	117.14

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars Cement mortar for grouting 1:3 (1 cement : 3 fine sand)	cum	0.0095	4010.35	38.10
3.3	Rate as per Item Number 3.3 of SH: Mortars LABOUR	cum	0.0075	4183.05	31.37
0155	Mason (average)	day	1.52	709.00	1077.68
0100	Bandhani	day	1.82	617.00	1122.94
0115	Coolie	day	1.52	558.00	848.16
0101	Bhisti	day	0.30	617.00	185.10
9999	Sundries	L.S.	16.12	2.00	32.24
	TOTAL				5927.74 W
	Add 1 % Water charges on "W"				59.28
	TOTAL				5987.01 X
	Add GST on "X" (multiplying factor 0.1405)				841.18
	TOTAL				6828.19 Y
	Add 15% CPOH on "Y"				1024.23
	TOTAL				7852.42 Z
	Add Cess @ 1% on "Z"				78.52
	Cost of 10.00 sqm.				7930.94
	Cost of 1 Sqm.				793.09
	Say				793.10

12.23.2 White sand stone slab

12.23.2.1 40 to 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1175	Details of cost for 10 sqm. MATERIAL White sand stone slab 45 mm and 50 mm thick (un-dressed) including wastage @ 10% = 11sqm	sqm	11.00	240.00	2640.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1 : 4 (1 cement : 4 coarse sand)	tonne	1.27	92.24	117.14
3.9	Rate as per Item Number 3.9 of SH: Mortars LABOUR	cum	0.0095	4010.35	38.10
0155	Mason (average)	day	1.52	709.00	1077.68
0100	Bandhani	day	1.82	617.00	1122.94
0115	Coolie	day	1.52	558.00	848.16
0101	Bhisti	day	0.30	617.00	185.10
9999	Sundries	L.S.	16.12	2.00	32.24
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.0075	4183.05	31.37
	TOTAL				6092.74 W
	Add 1 % Water charges on "W"				60.93
	TOTAL				6153.66 X
	Add GST on "X" (multiplying factor 0.1405)				864.59
	TOTAL				7018.25 Y
	Add 15% CPOH on "Y"				1052.74
	TOTAL				8070.99 Z
	Add Cess @ 1% on "Z"				80.71
	Cost of 10.00 sqm.				8151.70
	Cost of 1 Sqm.				815.17
	Say				815.15

12.24 Providing and fixing insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately) :

12.24.1 Natural colour insulating board

12.24.1.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0332	Details of cost for 10 sqm. MATERIAL Natural colour insulating board: 12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	210.00	2310.00
9977	Carriage of material	L.S.	17.55	2.00	35.10
9999	Nails	L.S.	26.91	2.00	53.82
	LABOUR				
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.00	558.00	1116.00
9999	Scaffolding	L.S.	31.07	2.00	62.14
9999	Sundries	L.S.	31.07	2.00	62.14
	TOTAL				5484.20 W
	Add 1 % Water charges on "W"				54.84
	TOTAL				5539.04 X
	Add GST on "X" (multiplying factor 0.1405)				778.24
	TOTAL				6317.28 Y
	Add 15% CPOH on "Y"				947.59
	TOTAL				7264.87 Z
	Add Cess @ 1% on "Z"				72.65
	Cost of 10.00 sqm.				7337.52
	Cost of 1.00 sqm.				733.75
	Say				733.75

12.24.2 White face insulating board
12.24.2.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
0328	White face insulating board:12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	235.00	2585.00
9977	Carriage of material	L.S.	17.55	2.00	35.10
9999	Nails	L.S.	26.91	2.00	53.82
	LABOUR				
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.00	558.00	1116.00
9999	Scaffolding	L.S.	31.07	2.00	62.14
9999	Sundries	L.S.	31.07	2.00	62.14
	TOTAL				5759.20 W
	Add 1 % Water charges on "W"				57.59
	TOTAL				5816.79 X
	Add GST on "X" (multiplying factor 0.1405)				817.26
	TOTAL				6634.05 Y
	Add 15% CPOH on "Y"				995.11
	TOTAL				7629.16 Z
	Add Cess @ 1% on "Z"				76.29
	Cost of 10.00 sqm.				7705.45
	Cost of 1.00 sqm.				770.55
	Say				770.55

12.24.3 Flame retardant face insulating board
12.24.3.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
0336	Flame retardent face insulating board: 12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	320.00	3520.00
9977	Carriage of material	L.S.	17.55	2.00	35.10
9999	Nails	L.S.	26.91	2.00	53.82
	LABOUR				
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.00	558.00	1116.00
9999	Scaffolding	L.S.	31.07	2.00	62.14
9999	Sundries	L.S.	31.07	2.00	62.14
	TOTAL				6694.20 W
	Add 1 % Water charges on "W"				66.94
	TOTAL				6761.14 X
	Add GST on "X" (multiplying factor 0.1405)				949.94
	TOTAL				7711.08 Y
	Add 15% CPOH on "Y"				1156.66
	TOTAL				8867.74 Z
	Add Cess @ 1% on "Z"				88.68
	Cost of 10.00 sqm.				8956.42
	Cost of 1.00 sqm.				895.64
	Say				895.65

12.25 Providing and fixing flat pressed 3 layer medium density particle board or graded particle board (Grade I) IS: 3087 marked, in ceiling with necessary nails etc. complete (frame work to be paid separately):

12.25.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0341	Details of cost for 10 sqm. MATERIAL Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	288.00	3168.00
9977	Carriage	L.S.	14.95	2.00	29.90
9999	Nails	L.S.	26.91	2.00	53.82
	LABOUR				
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.00	558.00	1116.00
9999	Scaffolding	L.S.	31.07	2.00	62.14
9999	Sundries	L.S.	31.07	2.00	62.14
	TOTAL				6337.00 W
	Add 1 % Water charges on "W"				63.37
	TOTAL				6400.37 X
	Add GST on "X" (multiplying factor 0.1405)				899.25
	TOTAL				7299.62 Y
	Add 15% CPOH on "Y"				1094.94
	TOTAL				8394.57 Z
	Add Cess @ 1% on "Z"				83.95
	Cost of 10.00 sqm.				8478.51
	Cost of 1.00 sqm.				847.85
	Say				847.85

12.26 Providing and fixing plain multipurpose cement board(Hight pressure steam cured) with suitable screws for cement particle board in ceiling etc. complete (frame work to be paid seperately).

12.26.1 6 mm thick Cement fiber board as per IS: 14862

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0236	Details of cost for 10 sqm. MATERIAL Multipurpose fibre reinforced by organic and / or inorganic synthetic fibres cement board 6 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	210.00	2310.00
9977	Carriage	L.S.	14.95	2.00	29.90
9999	Nails	L.S.	26.91	2.00	53.82
	LABOUR				
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.00	558.00	1116.00
9999	Scaffolding	L.S.	31.07	2.00	62.14

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	31.07	2.00	62.14
	TOTAL				5479.00 W
	Add 1 % Water charges on "W"				54.79
	TOTAL				5533.79 X
	Add GST on "X" (multiplying factor 0.1405)				777.50
	TOTAL				6311.29 Y
	Add 15% CPOH on "Y"				946.69
	TOTAL				7257.98 Z
	Add Cess @ 1% on "Z"				72.58
	Cost of 10.00 sqm.				7330.56
	Cost of 1.00 sqm.				733.06
	Say				733.05

12.26.2 6 mm thick Cement bonded wood particle board as per IS:14276

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0242	Details of cost for 10 sqm. MATERIAL 6 mm thick multi purpose cement bonded wood particle board 10.00 sqm + 1.00 sqm (Add wastage 10%) Total = 11.00 sqm	sqm	11.00	195.00	2145.00
9977	Carriage	L.S.	14.95	2.00	29.90
9999	Nails	L.S.	26.91	2.00	53.82
	LABOUR				
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.00	558.00	1116.00
9999	Scaffolding	L.S.	31.07	2.00	62.14
9999	Sundries	L.S.	31.07	2.00	62.14
	TOTAL				5314.00 W
	Add 1 % Water charges on "W"				53.14
	TOTAL				5367.14 X
	Add GST on "X" (multiplying factor 0.1405)				754.08
	TOTAL				6121.22 Y
	Add 15% CPOH on "Y"				918.18
	TOTAL				7039.41 Z
	Add Cess @ 1% on "Z"				70.39
	Cost of 10 sqm				7109.80
	Cost of 1 sqm				710.98
	Say				711.00

12.27 Extra for Circular cutting including wastages in ceiling with: 12.27.1 2nd class teak wood planks 20 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 holes of 0.5m dia each (15.71m) MATERIAL 0.5 metre dia. each = 10x22/7x0.5= 15.71m				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96 \text{sqm.} +$ Wastage @ 10% = 0.19 sqm. = 2.15 sqm x 20mm = 0.043 cum				
1190	Second class teak wood in planks	10 cudm	4.30	791.00	3401.30
2204	Carriage of Timber	cum	0.041	118.59	4.86
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.31	60.00	18.60
	LABOUR				
0111	Carpenter 1st class	day	2.65	738.00	1955.70
0112	Carpenter 2nd class	day	0.145	679.00	98.46
0114	Beldar	day	2.79	558.00	1556.82
9999	Scaffolding	L.S.	7.8	2.00	15.60
9999	Sundries	L.S.	14.69	2.00	29.38
	TOTAL				7080.72 W
	Add 1 % Water charges on "W"				70.81
	TOTAL				7151.52 X
	Add GST on "X" (multiplying factor 0.1405)				1004.79
	TOTAL				8156.31 Y
	Add 15% CPOH on "Y"				1223.45
	TOTAL				9379.76 Z
	Add Cess @ 1% on "Z"				93.80
	Cost of 15.71 metre				9473.56
	Cost of 1.00 metre				603.03
	Say				603.05

12.27.2 Natural colour insulating board

12.27.2.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 holes of 0.5m dia each Details of cost for 15.71 metre				
	MATERIAL				
	0.5 metre dia. each = $10 \times 22/7 \times 0.5 = 15.71 \text{m}$				
	Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96 \text{sqm.} +$ Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0332	Natural colour insulating board: 12 mm thick	sqm	2.15	210.00	451.50
9977	Carriage	L.S.	3.38	2.00	6.76
9999	Nails	L.S.	5.33	2.00	10.66
	LABOUR				
0111	Carpenter 1st class	day	0.49	738.00	361.62
0114	Beldar	day	0.39	558.00	217.62
9999	Scaffolding	L.S.	6.11	2.00	12.22
9999	Sundries	L.S.	6.11	2.00	12.22
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.50	558.00	1395.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding	L.S.	10.79	2.00	21.58
	TOTAL				4334.18 W
	Add 1 % Water charges on "W"				43.34
	TOTAL				4377.52 X
	Add GST on "X" (multiplying factor 0.1405)				615.04
	TOTAL				4992.56 Y
	Add 15% CPOH on "Y"				748.88
	TOTAL				5741.45 Z
	Add Cess @ 1% on "Z"				57.41
	Cost of 15.71 metre				5798.86
	Cost of 1.00 metre				369.12
	Say				369.10

12.27.3 White face insulating board:

12.27.3.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 15.71 metre MATERIAL 0.5 metre dia. each = 10x22/7x 0.5=15.71m Area = 10x(22/7)/4x0.5x0.5 = 1.96sqm. + Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0328	White face insulating board:12 mm thick	sqm	2.15	235.00	505.25
9977	Carriage	L.S.	3.38	2.00	6.76
9999	Nails	L.S.	5.33	2.00	10.66
	LABOUR				
0111	Carpenter 1st class	day	0.49	738.00	361.62
0114	Beldar	day	0.39	558.00	217.62
9999	Scaffolding	L.S.	6.11	2.00	12.22
9999	Sundries	L.S.	6.11	2.00	12.22
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.50	558.00	1395.00
9999	Scaffolding	L.S.	10.79	2.00	21.58
	TOTAL				4387.93 W
	Add 1 % Water charges on "W"				43.88
	TOTAL				4431.81 X
	Add GST on "X" (multiplying factor 0.1405)				622.67
	TOTAL				5054.48 Y
	Add 15% CPOH on "Y"				758.17
	TOTAL				5812.65 Z
	Add Cess @ 1% on "Z"				58.13
	Cost of 15.71 metre				5870.78
	Cost of 1.00 metre				373.70
	Say				373.70

12.27.4 Flame retardant face insulating board:
12.27.4.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 15.71 metre MATERIAL 0.5 metre dia. each = 10x22/7x 0.5=15.71m Area = 10x(22/7)/4x0.5x0.5 = 1.96sqm. + Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0336	Flame retardent face insulating board: 12 mm thick	sqm	2.15	320.00	688.00
9977	Carriage	L.S.	3.38	2.00	6.76
9999	Nails	L.S.	5.33	2.00	10.66
	LABOUR				
0111	Carpenter 1st class	day	0.49	738.00	361.62
0114	Beldar	day	0.39	558.00	217.62
9999	Scaffolding	L.S.	6.11	2.00	12.22
9999	Sundries	L.S.	6.11	2.00	12.22
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.50	558.00	1395.00
9999	Scaffolding	L.S.	10.79	2.00	21.58
	TOTAL				4570.68 W
	Add 1 % Water charges on "W"				45.71
	TOTAL				4616.39 X
	Add GST on "X" (multiplying factor 0.1405)				648.60
	TOTAL				5264.99 Y
	Add 15% CPOH on "Y"				789.75
	TOTAL				6054.74 Z
	Add Cess @ 1% on "Z"				60.55
	Cost of 15.71 metre				6115.28
	Cost of 1.00 metre				389.26
	Say				389.25

12.27.5 Standard quality hard board sheet:
12.27.5.1 3 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 15.71 metre MATERIAL 0.5 metre dia. each = 10x22/7x 0.5=15.71m Area = 10x(22/7)/4x0.5x0.5 = 1.96sqm. + Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0994	Standard quality hard board sheet 3 mm thick	sqm	2.15	135.00	290.25
9977	Carriage	L.S.	2.73	2.00	5.46
9999	Nails	L.S.	5.33	2.00	10.66
	LABOUR				
0111	Carpenter 1st class	day	0.49	738.00	361.62

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.39	558.00	217.62
9999	Scaffolding	L.S.	6.11	2.00	12.22
9999	Sundries	L.S.	6.11	2.00	12.22
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.50	558.00	1395.00
9999	Scaffolding	L.S.	10.79	2.00	21.58
	TOTAL				4171.63 W
	Add 1 % Water charges on "W"				41.72
	TOTAL				4213.35 X
	Add GST on "X" (multiplying factor 0.1405)				591.98
	TOTAL				4805.32 Y
	Add 15% CPOH on "Y"				720.80
	TOTAL				5526.12 Z
	Add Cess @ 1% on "Z"				55.26
	Cost of 15.71 metre				5581.38
	Cost of 1.00 metre				355.28
	Say				355.30

12.27.5.2 4.5 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 15.71 metre MATERIAL 0.5 metre dia. each = $10 \times 22/7 \times 0.5 = 15.71\text{m}$ Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96\text{sqm.}$ + Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0996	Standard quality hard board sheet 4.5 mm thick	sqm	2.15	210.00	451.50
9977	Carriage	L.S.	2.86	2.00	5.72
9999	Nails	L.S.	5.33	2.00	10.66
	LABOUR				
0111	Carpenter 1st class	day	0.49	738.00	361.62
0114	Beldar	day	0.39	558.00	217.62
9999	Scaffolding	L.S.	6.11	2.00	12.22
9999	Sundries	L.S.	6.11	2.00	12.22
0111	Carpenter 1st class	day	2.50	738.00	1845.00
0114	Beldar	day	2.50	558.00	1395.00
9999	Scaffolding	L.S.	10.79	2.00	21.58
	TOTAL				4333.14 W
	Add 1 % Water charges on "W"				43.33
	TOTAL				4376.47 X
	Add GST on "X" (multiplying factor 0.1405)				614.89
	TOTAL				4991.37 Y
	Add 15% CPOH on "Y"				748.70
	TOTAL				5740.07 Z
	Add Cess @ 1% on "Z"				57.40
	Cost of 15.71 metre				5797.47
	Cost of 1.00 metre				369.03
	Say				369.05

12.28 Extra for providing and fixing ceiling to curved surfaces in narrow widths

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. LABOUR				
0111	Carpenter 1st class	day	1.00	738.00	738.00
0112	Carpenter 2nd class	day	1.00	679.00	679.00
0114	Beldar	day	2.00	558.00	1116.00
	TOTAL				2533.00 W
	Add 1 % Water charges on "W"				25.33
	TOTAL				2558.33 X
	Add GST on "X" (multiplying factor 0.1405)				359.45
	TOTAL				2917.78 Y
	Add 15% CPOH on "Y"				437.67
	TOTAL				3355.44 Z
	Add Cess @ 1% on "Z"				33.55
	Cost of 10.00 sqm.				3389.00
	Cost of 1.00 sqm.				338.90
	Say				338.90

12.31 Providing 10 mm thick plaster of Paris (gypsum anhydrous) ceiling up to a height of 5 m above floor level, over first class kail wood strips 25x6 mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately):
12.31.1 Flat surfaces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4.00x2.5=10sqm. MATERIAL				
	Wooden strips of 1st class kail wood 72x40x0.25x0.06 = 43.20 cudm. + Add 10% wastage = 4.32 cudm. Total = 47.52 cudm				
1196	First class kail wood in planks	10 cudm	4.752	300.00	1425.60
2204	Carriage of Timber	cum	0.0475	118.59	5.63
1219	Wire nails required for fixing the laths to frame work including breakage and wastage of nails	kilogram	0.75	58.00	43.50
	Rabbit wire mesh required for reinforcement = 2.5x4 = 10.00sqm.+ Add 2% wastage = 0.20 sqm. Total = 10.2 sqm.				
1220	Wire mesh (rabbit)	sqm	10.20	42.00	428.40
	Plaster of paris - 2.5x4.0x10x 1121/1000 = 112.10 kg. Add for plaster of paris joining into the side of the laths- 2.5x4.0x4.0032x 1121/1000 = 44.87 kg. Total = 156.97+ Add 40% wastage = 62.79 Total = 219.76 kg				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0869	Plaster of Paris	kilogram	219.76	5.00	1098.80
2308	Carriage of Plaster of paris	tonne	0.22	92.24	20.29
9977	Carriage of wiremesh and nails etc.	L.S.	2.73	2.00	5.46
	LABOUR				
0111	Carpenter 1st class	day	1.60	738.00	1180.80
0114	Beldar	day	1.60	558.00	892.80
	For doing plaster of paris over wooden strips				
0122	Mason (for plaster of paris work)				
	1st class	day	3.23	738.00	2383.74
0114	Beldar	day	3.23	558.00	1802.34
0101	Bhisti	day	0.54	617.00	333.18
9999	Scaffolding	L.S.	83.98	2.00	167.96
9999	Sundries	L.S.	53.82	2.00	107.64
	TOTAL				9896.15 W
	Add 1 % Water charges on "W"				98.96
	TOTAL				9995.11 X
	Add GST on "X" (multiplying factor 0.1405)				1404.31
	TOTAL				11399.42 Y
	Add 15% CPOH on "Y"				1709.91
	TOTAL				13109.33 Z
	Add Cess @ 1% on "Z"				131.09
	Cost of 10.00 sqm.				13240.43
	Cost of 1.00 sqm.				1324.04
	Say				1324.05

12.31.2 Curved surfaces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4.00x2.5=10sqm. MATERIAL Wooden strips of 1st class kail wood 72x40x0.25x0.06 = 43.20 cudm. + Add 10% wastage = 4.32 cudm. Total = 47.52 cudm				
1196	First class kail wood in planks	10 cudm	4.752	300.00	1425.60
2204	Carriage of Timber	cum	0.0475	118.59	5.63
1219	Wire nails	kilogram	0.75	58.00	43.50
	required for fixing the laths to frame work including breakage and wastage of nails				
	Rabbit wire mesh required for reinforcement =2.5x4 = 10.00sqm.+ Add 2% wastage = 0.20 sqm. Total = 10.2 sqm.				
1220	Wire mesh (rabbit)	sqm	10.20	42.00	428.40
	Plaster of paris - 2.5x4.0x10x1121/1000 = 112.10 kg. Add for plaster of paris joining into the side of the laths- 2.5x4.0x4.0032x1121/1000 = 44.87 kg. Total = 156.97+				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add 40% wastage = 62.79 Total = 219.76 kg				
0869	Plaster of Paris	kilogram	219.76	5.00	1098.80
2308	Carriage of Plaster of paris	tonne	0.22	92.24	20.29
9977	Carriage of wiremesh and nails etc. LABOUR	L.S.	2.73	2.00	5.46
0111	Carpenter 1st class	day	1.60	738.00	1180.80
0114	Beldar	day	1.60	558.00	892.80
0122	Mason (for plaster of paris work) 1st class	day	3.23	738.00	2383.74
0114	Beldar	day	3.23	558.00	1802.34
0101	Bhisti	day	0.54	617.00	333.18
9999	Scaffolding	L.S.	83.98	2.00	167.96
9999	Sundries	L.S.	53.82	2.00	107.64
0111	Carpenter 1st class	day	0.50	738.00	369.00
0122	Mason (for plaster of paris work) 1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.50	558.00	837.00
	TOTAL				11840.15 W
	Add 1 % Water charges on "W"				118.40
	TOTAL				11958.55 X
	Add GST on "X" (multiplying factor 0.1405)				1680.18
	TOTAL				13638.72 Y
	Add 15% CPOH on "Y"				2045.81
	TOTAL				15684.53 Z
	Add Cess @ 1% on "Z"				156.85
	Cost of 10.00 sqm.				15841.38
	Cost of 1.00 sqm.				1584.14
	Say				1584.15

12.32 Extra for sunk or raised mouldings in the plaster of Paris (Gypsum anhydrous) ceiling.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
0869	Plaster of Paris	kilogram	109.88	5.00	549.40
2308	Carriage of Plaster of paris	tonne	0.11	92.24	10.15
	LABOUR				
0122	Mason (for plaster of paris work) 1st class	day	2.00	738.00	1476.00
0114	Beldar	day	2.00	558.00	1116.00
0101	Bhisti	day	0.25	617.00	154.25
9999	Scaffolding and Sundries	L.S.	13.52	2.00	27.04
	TOTAL				3332.84 W
	Add 1 % Water charges on "W"				33.33
	TOTAL				3366.16 X
	Add GST on "X" (multiplying factor 0.1405)				472.95
	TOTAL				3839.11 Y
	Add 15% CPOH on "Y"				575.87
	TOTAL				4414.98 Z
	Add Cess @ 1% on "Z"				44.15
	Cost of 10.00 sqm.				4459.13
	Cost of 1.00 sqm.				445.91
	Say				445.90

12.33 Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5 metres height from floor level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10sqm/metre height Scaffolding	L.S.	13.52	2.00	27.04
0122	LABOUR				
	Mason (for plaster of paris work)				
	1st class	day	1.00	738.00	738.00
0114	Beldar	day	1.00	558.00	558.00
0101	Bhisti	day	0.25	617.00	154.25
	TOTAL				1477.29 W
	Add 1 % Water charges on "W"				14.77
	TOTAL				1492.06 X
	Add GST on "X" (multiplying factor 0.1405)				209.63
	TOTAL				1701.70 Y
	Add 15% CPOH on "Y"				255.25
	TOTAL				1956.95 Z
	Add Cess @ 1% on "Z"				19.57
	Cost of 10.00sqm / metre height				1976.52
	Cost of 1.00 sqm. / metre height				197.65
	Say				197.65

12.34 Providing fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Fibre glass wool conforming to IS : 8183, density 24kg / m3, 50mm thick, wrapped in 200 G Virgin Polythene bags, fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5 mm x 24 gauge wire mesh, for top most ceiling of building.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.00sqm.				
	Area for 10.00sqm. (Finished surface) = 10.00sqm.+				
	Add 10% for overlappings & wastage = 1.00sqm.				
	Total = 11.00sqm.				
7232	Resin Bonded Glass wool 24 kg/m ³ 50 mm thick	sqm	11.00	143.00	1573.00
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram	L.S.	104.00	2.00	208.00
9999	GI chicken mesh 12.5mm x 24 SWG	L.S.	351.00	2.00	702.00
	LABOUR				
0111	Carpenter 1st class	day	1.00	738.00	738.00
0114	Beldar	day	2.00	558.00	1116.00
	TOTAL				4337.00 W
	Add 1 % Water charges on "W"				43.37
	TOTAL				4380.37 X
	Add GST on "X" (multiplying factor 0.1405)				615.44
	TOTAL				4995.81 Y
	Add 15% CPOH on "Y"				749.37
	TOTAL				5745.18 Z
	Add Cess @ 1% on "Z"				57.45
	Cost of 10.00 sqm.				5802.64
	Cost of 1.00 sqm.				580.26
	Say				580.25

12.35 Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183. Density 16 kg/m³, 50 mm thick, wrapped in 200G Virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7231	Details of cost for 10.00sqm. Area for 10.00sqm. (Finished surface) = 10.00sqm.+ Add 10% for overlappings & wastage = 1.00sqm. Total = 11.00sqm. Resin Bonded Glass wool 16 kg/m ³ 50 mm thick	sqm	11.00	100.00	1100.00
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram LABOUR	L.S.	52.00	2.00	104.00
0111	Carpenter 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
	TOTAL				1852.00 W
	Add 1 % Water charges on "W"				18.52
	TOTAL				1870.52 X
	Add GST on "X" (multiplying factor 0.1405)				262.81
	TOTAL				2133.33 Y
	Add 15% CPOH on "Y"				320.00
	TOTAL				2453.33 Z
	Add Cess @ 1% on "Z"				24.53
	Cost of 10.00 sqm.				2477.86
	Cost of 1.00 sqm.				247.79
	Say				247.80

12.36 Thermal Insulation of roofing with Expanded polystyrene fixed with suitable adhesive to the false ceiling as per the directions of the Engineer-in-charge:
12.36.1 With Type N - Normal 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7090	Details of cost for 10.00sqm. Cost of materials : Expanded Polystyrens 1x10= 10.00sqm. + Add wastage 10% = 1.00sqm. Total = 11.00sqm. Expanded polystyrene type N- Normal	sqm	11.00	125.00	1375.00
0314	Bitumen hot sealing compound : grade A	kilogram	0.25	28.00	7.00
9999	Sundries LABOUR	L.S.	13.00	2.00	26.00
0111	Carpenter 1st class	day	0.50	738.00	369.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.50	558.00	279.00
	TOTAL				2056.00 W
	Add 1 % Water charges on "W"				20.56
	TOTAL				2076.56 X
	Add GST on "X" (multiplying factor 0.1405)				291.76
	TOTAL				2368.32 Y
	Add 15% CPOH on "Y"				355.25
	TOTAL				2723.56 Z
	Add Cess @ 1% on "Z"				27.24
	Cost of 10.00 sqm.				2750.80
	Cost of 1.00 sqm.				275.08
	Say				275.10

12.36.2 With Type SE - Self Extinguishing type 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.00sqm.				
	Cost of materials :				
	Expanded Polystyrens 1x10=				
	10.00sqm. +				
	Add wastage 10% = 1.00sqm.				
	Total = 11.00sqm.				
7091	Expanded polystyrene type - SE	sqm	11.00	150.00	1650.00
0314	Bitumen hot sealing compound :				
	grade A	kilogram	0.25	28.00	7.00
9999	Sundries	L.S.	13.00	2.00	26.00
	LABOUR				
0111	Carpenter 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
	TOTAL				2331.00 W
	Add 1 % Water charges on "W"				23.31
	TOTAL				2354.31 X
	Add GST on "X" (multiplying factor 0.1405)				330.78
	TOTAL				2685.09 Y
	Add 15% CPOH on "Y"				402.76
	TOTAL				3087.85 Z
	Add Cess @ 1% on "Z"				30.88
	Cost of 10.00 sqm.				3118.73
	Cost of 1 sqm.				311.87
	Say				311.85

12.37 Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement : 4 fine sand).

12.37.1 Stone ware spout

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 stone ware spout of 60cm long				
3004	MATERIAL Stone ware spouts 100 mm dia 60 cm long	each	10.00	40.00	400.00
9977	CARRIAGE	L.S.	13.52	2.00	27.04
9999	Mortar	L.S.	13.52	2.00	27.04
	Labour for fixing and placing in position				
0124	Mason (brick layer) 2nd class	day	0.40	679.00	271.60
0114	Beldar	day	0.40	558.00	223.20
9999	Sundries	L.S.	5.33	2.00	10.66
	TOTAL				959.54 W
	Add 1 % Water charges on "W"				9.60
	TOTAL				969.14 X
	Add GST on "X" (multiplying factor 0.1405)				136.16
	TOTAL				1105.30 Y
	Add 15% CPOH on "Y"				165.79
	TOTAL				1271.09 Z
	Add Cess @ 1% on "Z"				12.71
	Cost of 10.00 spouts				1283.80
	Cost of 1.00 spout				128.38
	Say				128.40

12.38 Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc. :

12.38.1 100 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 5 nos.				
1331	MATERIAL M.S.Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	5.00	30.00	150.00
	C.C. block 5x0.1x0.1x0.1 = 0.005 cum				
9977	Carriage of bat clamps	L.S.	2.47	2.00	4.94
9999	Sundries	L.S.	7.15	2.00	14.30
	LABOUR				
0116	Fitter (grade 1)	day	0.125	738.00	92.25
0124	Mason (brick layer) 2nd class	day	0.75	679.00	509.25
0114	Beldar	day	0.50	558.00	279.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.0033	1350.00	4.46
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0011	1350.00	1.49
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0044	103.77	0.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0982	Coarse sand (zone III)	cum	0.0022	1350.00	2.97
2203	Carriage of Coarse sand	cum	0.0022	103.77	0.23
0367	Portland Cement (OPC-43 grade)	tonne	0.0016	4940.00	7.90
2209	Carriage of Cement	tonne	0.0016	92.24	0.15
0114	Beldar	day	0.0045	558.00	2.51
0115	Coolie	day	0.0032	558.00	1.79
0101	Bhisti	day	0.0014	617.00	0.86
0123	Mason (brick layer) 1st class	day	0.0003	738.00	0.22
0124	Mason (brick layer) 2nd class	day	0.0003	679.00	0.20
0128	Mate	day	0.0002	617.00	0.12
9999	Hire charges of machine etc.	L.S.	0.26	2.00	0.52
9999	Sundries	L.S.	0.13	2.00	0.26
9999	Sundries	L.S.	0.13	2.00	0.26
	TOTAL				1074.14 W
	Add 1 % Water charges on "W"				10.74
	TOTAL				1084.88 X
	Add GST on "X" (multiplying factor 0.1405)				152.43
	TOTAL				1237.30 Y
	Add 15% CPOH on "Y"				185.60
	TOTAL				1422.90 Z
	Add Cess @ 1% on "Z"				14.23
	Cost of 5.00 bat clamps				1437.13
	Cost of 1.00 bat clamp				287.43
	Say				287.45

12.38.2 150 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 5 nos. MATERIAL				
0886	Standard holdar bat clamps for sand cast iron or cast iron pipes 150 mm dia	each	5.00	45.00	225.00
	C.C. block 5x0.1x0.1x0.1 = 0.005 cum				
9977	Carriage of bat clamps	L.S.	2.47	2.00	4.94
9999	Sundries	L.S.	7.15	2.00	14.30
	LABOUR				
0116	Fitter (grade 1)	day	0.125	738.00	92.25
0124	Mason (brick layer) 2nd class	day	0.75	679.00	509.25
0114	Beldar	day	0.50	558.00	279.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.0033	1350.00	4.46
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0011	1350.00	1.49
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0044	103.77	0.46
0982	Coarse sand (zone III)	cum	0.0022	1350.00	2.97
2203	Carriage of Coarse sand	cum	0.0022	103.77	0.23
0367	Portland Cement (OPC-43 grade)	tonne	0.0016	4940.00	7.90
2209	Carriage of Cement	tonne	0.0016	92.24	0.15
0114	Beldar	day	0.0045	558.00	2.51
0115	Coolie	day	0.0032	558.00	1.79
0101	Bhisti	day	0.0014	617.00	0.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Mason (brick layer) 1st class	day	0.0003	738.00	0.22
0124	Mason (brick layer) 2nd class	day	0.0003	679.00	0.20
0128	Mate	day	0.0002	617.00	0.12
9999	Hire charges of machine etc.	L.S.	0.26	2.00	0.52
9999	Sundries	L.S.	0.13	2.00	0.26
9999	Sundries	L.S.	0.13	2.00	0.26
	TOTAL				1149.14 W
	Add 1 % Water charges on "W"				11.49
	TOTAL				1160.63 X
	Add GST on "X" (multiplying factor 0.1405)				163.07
	TOTAL				1323.69 Y
	Add 15% CPOH on "Y"				198.55
	TOTAL				1522.25 Z
	Add Cess @ 1% on "Z"				15.22
	Cost of 5.00 bat clamps				1537.47
	Cost of 1.00 bat clamp				307.49
	Say				307.50

12.39 Providing lead caulked joints to sand cast iron rain water pipes and fittings:
12.39.1 100 mm dia Pipe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one joint.				
	MATERIAL				
0865	Pig lead	kilogram	0.98	130.00	127.40
1001	Spun yarn	kilogram	0.11	50.00	5.50
9999	Kerosene oil fuel and sundries	L.S.	13.52	2.00	27.04
9977	Carriage of materials	L.S.	1.43	2.00	2.86
	LABOUR				
0116	Fitter (grade 1)	day	0.06	738.00	44.28
0117	Assistant Fitter or 2nd class Fitter	day	0.06	679.00	40.74
0114	Beldar	day	0.12	558.00	66.96
	TOTAL				314.78 W
	Add 1 % Water charges on "W"				3.15
	TOTAL				317.93 X
	Add GST on "X" (multiplying factor 0.1405)				44.67
	TOTAL				362.60 Y
	Add 15% CPOH on "Y"				54.39
	TOTAL				416.99 Z
	Add Cess @ 1% on "Z"				4.17
	Cost of 1.00 joint				421.16
	Say				421.15

12.39.2 150 mm dia Pipe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one joint.				
	MATERIAL				
0865	Pig lead	kilogram	1.48	130.00	192.40
1001	Spun yarn	kilogram	0.17	50.00	8.50
9999	Kerosene oil fuel and sundries	L.S.	13.52	2.00	27.04
9977	Carriage of materials	L.S.	2.73	2.00	5.46
	LABOUR				
0116	Fitter (grade 1)	day	0.08	738.00	59.04
0117	Assistant Fitter or 2nd class Fitter	day	0.08	679.00	54.32
0114	Beldar	day	0.15	558.00	83.70
	TOTAL				430.46 W
	Add 1 % Water charges on "W"				4.30
	TOTAL				434.76 X
	Add GST on "X" (multiplying factor 0.1405)				61.08
	TOTAL				495.85 Y
	Add 15% CPOH on "Y"				74.38
	TOTAL				570.23 Z
	Add Cess @ 1% on "Z"				5.70
	Cost of 1.00 joint				575.93
	Say				575.95

12.40 Providing, fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately):

12.40.1 Sand cast iron plain shoes :

12.40.1.1 150 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one shoe				
0966	Sand Cast iron plain shoe 150 mm dia	each	1.00	285.00	285.00
9988	Carriage, fixing and mortar	L.S.	17.55	2.00	35.10
	TOTAL				320.10 W
	Add 1 % Water charges on "W"				3.20
	TOTAL				323.30 X
	Add GST on "X" (multiplying factor 0.1405)				45.42
	TOTAL				368.72 Y
	Add 15% CPOH on "Y"				55.31
	TOTAL				424.03 Z
	Add Cess @ 1% on "Z"				4.24
	Cost of one shoe				428.27
	Say				428.25

12.41 Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.

12.41.1 75 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7188	Details of cost for 6.00 metres U-PVC pipes (working pressure 4 kg / sqcm.) Single socketed pipe 75 mm dia.	metre	6.00	70.00	420.00
7190	U-PVC pipes (working pressure 4 kg / sqcm.) Rubber (Seal) Ring 75 mm dia.	each	1.00	8.00	8.00
9977	Carriage of materials	L.S.	13.52	2.00	27.04
9999	Adhesive, and sundries etc.	L.S.	6.76	2.00	13.52
	LABOUR				
0116	Fitter (grade 1)	day	0.19	738.00	140.22
0114	Beldar	day	0.37	558.00	206.46
0100	Bandhani	day	0.08	617.00	49.36
9999	Scaffolding etc.	L.S.	18.59	2.00	37.18
	TOTAL				901.78 W
	Add 1 % Water charges on "W"				9.02
	TOTAL				910.80 X
	Add GST on "X" (multiplying factor 0.1405)				127.97
	TOTAL				1038.76 Y
	Add 15% CPOH on "Y"				155.81
	TOTAL				1194.58 Z
	Add Cess @ 1% on "Z"				11.95
	Cost of 6.00 metre				1206.53
	Cost of 1.00 metre				201.09
	Say				201.10

12.41.2 110 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7189	Details of cost for 6.00 metres U-PVC pipes (working pressure 4 kg / sqcm) Single socketed pipe 110 mm dia.	metre	6.00	130.00	780.00
7191	U-PVC pipes (working pressure 4 kg / sqcm.) Rubber (Seal) Ring 110 mm dia.	each	1.00	11.00	11.00
9977	Carriage of materials	L.S.	17.55	2.00	35.10
9999	Adhesive, and sundries etc.	L.S.	8.06	2.00	16.12
	LABOUR				
0116	Fitter (grade 1)	day	0.23	738.00	169.74
0114	Beldar	day	0.45	558.00	251.10
0100	Bandhani	day	0.11	617.00	67.87

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding etc.	L.S.	18.59	2.00	37.18
	TOTAL				1368.11 W
	Add 1 % Water charges on "W"				13.68
	TOTAL				1381.79 X
	Add GST on "X" (multiplying factor 0.1405)				194.14
	TOTAL				1575.93 Y
	Add 15% CPOH on "Y"				236.39
	TOTAL				1812.32 Z
	Add Cess @ 1% on "Z"				18.12
	Cost of 6.00 metre				1830.45
	Cost of 1.00 metre				305.07
	Say				305.05

12.42 Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.

12.42.1 Coupler

12.42.1.1 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7192	Details of cost for 1 coupler UPVC coupler for UPVC drainage pipes 75 mm	each	1.00	18.00	18.00
7190	U-PVC pipes (working pressure 4 kg / sqcm.) Rubber (Seal) Ring 75 mm dia.	each	2.00	8.00	16.00
9999	Adhesive, and sundries etc.	L.S.	2.73	2.00	5.46
9988	LABOUR				
	Carriage and fixing charges	L.S.	9.36	2.00	18.72
	TOTAL				58.18 W
	Add 1 % Water charges on "W"				0.58
	TOTAL				58.76 X
	Add GST on "X" (multiplying factor 0.1405)				8.26
	TOTAL				67.02 Y
	Add 15% CPOH on "Y"				10.05
	TOTAL				77.07 Z
	Add Cess @ 1% on "Z"				0.77
	Cost of 1 coupler				77.84
	Say				77.85

12.42.1.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7193	Details of cost for 1 coupler UPVC coupler for UPVC drainage pipes 110 mm	each	1.00	39.00	39.00
7191	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 110 mm dia.	each	2.00	11.00	22.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Adhesive, and sundries etc.	L.S.	2.73	2.00	5.46
9988	LABOUR				
	Carriage and fixing charges	L.S.	10.79	2.00	21.58
	TOTAL				88.04 W
	Add 1 % Water charges on "W"				0.88
	TOTAL				88.92 X
	Add GST on "X" (multiplying factor 0.1405)				12.49
	TOTAL				101.41 Y
	Add 15% CPOH on "Y"				15.21
	TOTAL				116.63 Z
	Add Cess @ 1% on "Z"				1.17
	Cost of 1 coupler				117.79
	Say				117.80

12.42.2 Single pushfit Coupler

12.42.2.1 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7194	Details of cost for 1 coupler UPVC pushfit coupler (single) 75 mm thick	each	1.00	18.00	18.00
7190	U-PVC pipes (working pressure 4 kg /sqcm.) Rubber (Seal) Ring 75 mm dia.	each	2.00	8.00	16.00
9999	Adhesive, and sundries etc.	L.S.	2.73	2.00	5.46
9988	Carriage and fixing charges	L.S.	9.36	2.00	18.72
	TOTAL				58.18 W
	Add 1 % Water charges on "W"				0.58
	TOTAL				58.76 X
	Add GST on "X" (multiplying factor 0.1405)				8.26
	TOTAL				67.02 Y
	Add 15% CPOH on "Y"				10.05
	TOTAL				77.07 Z
	Add Cess @ 1% on "Z"				0.77
	Cost of 1 coupler				77.84
	Say				77.85

12.42.2.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7195	Details of cost for 1 coupler UPVC pushfit coupler (single) 110 mm thick	each	1.00	32.00	32.00
7191	U-PVC pipes (working pressure 4 kg /sq.cm) Rubber (Seal) Ring 110 mm dia.	each	2.00	11.00	22.00
9999	Adhesive, and sundries etc.	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Carriage and fixing charges	L.S.	10.79	2.00	21.58
	TOTAL				81.04 W
	Add 1 % Water charges on "W"				0.81
	TOTAL				81.85 X
	Add GST on "X" (multiplying factor 0.1405)				11.50
	TOTAL				93.35 Y
	Add 15% CPOH on "Y"				14.00
	TOTAL				107.35 Z
	Add Cess @ 1% on "Z"				1.07
	Cost of 1 coupler				108.43
	Say				108.45

12.42.3 Single tee with door
12.42.3.1 75x75x75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7198	Details of cost for 1 tee MATERIAL UPVC single equal Tee (with door) 75x75x75 mm	each	1.00	59.00	59.00
7190	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 75 mm dia.	each	3.00	8.00	24.00
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges	L.S.	10.76	2.00	21.52
	TOTAL				104.52 W
	Add 1 % Water charges on "W"				1.05
	TOTAL				105.57 X
	Add GST on "X" (multiplying factor 0.1405)				14.83
	TOTAL				120.40 Y
	Add 15% CPOH on "Y"				18.06
	TOTAL				138.46 Z
	Add Cess @ 1% on "Z"				1.38
	Cost of 1 tee				139.84
	Say				139.85

12.42.3.2 110x110x110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7199	Details of cost for 1 tee MATERIAL UPVC single equal Tee (with door) 110x110x110 mm	each	1.00	92.00	92.00
7191	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 110 mm dia.	each	3.00	11.00	33.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges	L.S.	13.47	2.00	26.94
	TOTAL				151.94 W
	Add 1 % Water charges on "W"				1.52
	TOTAL				153.46 X
	Add GST on "X" (multiplying factor 0.1405)				21.56
	TOTAL				175.02 Y
	Add 15% CPOH on "Y"				26.25
	TOTAL				201.27 Z
	Add Cess @ 1% on "Z"				2.01
	Cost of 1 tee				203.29
	Say				203.30

12.42.4 Single tee without door

12.42.4.1 75x75x75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7196	Details of cost for 1 tee MATERIAL UPVC single equal Tee (with door) 75x75x75 mm	each	1.00	46.00	46.00
7190	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 75 mm dia.	each	3.00	8.00	24.00
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges	L.S.	10.76	2.00	21.52
	TOTAL				91.52 W
	Add 1 % Water charges on "W"				0.92
	TOTAL				92.44 X
	Add GST on "X" (multiplying factor 0.1405)				12.99
	TOTAL				105.42 Y
	Add 15% CPOH on "Y"				15.81
	TOTAL				121.24 Z
	Add Cess @ 1% on "Z"				1.21
	Cost of 1 tee				122.45
	Say				122.45

12.42.4.2 110x110x110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7197	Details of cost for 1 tee MATERIAL UPVC single equal Tee (with door) 110x110x110 mm	each	1.00	81.00	81.00
7191	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 110 mm dia.	each	3.00	11.00	33.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges	L.S.	13.47	2.00	26.94
	TOTAL				140.94 W
	Add 1 % Water charges on "W"				1.41
	TOTAL				142.35 X
	Add GST on "X" (multiplying factor 0.1405)				20.00
	TOTAL				162.35 Y
	Add 15% CPOH on "Y"				24.35
	TOTAL				186.70 Z
	Add Cess @ 1% on "Z"				1.87
	Cost of 1 tee				188.57
	Say				188.55

12.42.5 Bend 87.5°
12.42.5.1 75 mm bend

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7208	Details of cost for 1 bend				
7190	UPVC bend 87.5° 75 mm bend	each	1.00	35.00	35.00
	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 75 mm dia.	each	1.00	8.00	8.00
9999	Adhesive, and sundries etc.	L.S.	2.73	2.00	5.46
9988	Carriage and fixing charges	L.S.	9.36	2.00	18.72
	TOTAL				67.18 W
	Add 1 % Water charges on "W"				0.67
	TOTAL				67.85 X
	Add GST on "X" (multiplying factor 0.1405)				9.53
	TOTAL				77.38 Y
	Add 15% CPOH on "Y"				11.61
	TOTAL				88.99 Z
	Add Cess @ 1% on "Z"				0.89
	Cost of 1 bend				89.88
	Say				89.90

12.42.5.2 110 mm bend

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7209	Details of cost for 1 bend				
7191	UPVC bend 87.5° 110 mm bend	each	1.00	59.00	59.00
	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 110 mm dia.	each	1.00	11.00	11.00
9999	Adhesive, and sundries etc.	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Carriage and fixing charges	L.S.	10.79	2.00	21.58
	TOTAL				97.04 W
	Add 1 % Water charges on "W"				0.97
	TOTAL				98.01 X
	Add GST on "X" (multiplying factor 0.1405)				13.77
	TOTAL				111.78 Y
	Add 15% CPOH on "Y"				16.77
	TOTAL				128.55 Z
	Add Cess @ 1% on "Z"				1.29
	Cost of 1 bend				129.83
	Say				129.85

12.42.6 Shoe (Plain)

12.42.6.1 75 mm Shoe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7212	Details of cost for 1 shoe				
	UPVC plain shoe 75 mm bend	each	1.00	27.00	27.00
7190	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 75 mm dia.	each	1.00	8.00	8.00
9999	Adhesive, and sundries etc.	L.S.	2.73	2.00	5.46
9988	Carriage and fixing charges	L.S.	9.36	2.00	18.72
	TOTAL				59.18 W
	Add 1 % Water charges on "W"				0.59
	TOTAL				59.77 X
	Add GST on "X" (multiplying factor 0.1405)				8.40
	TOTAL				68.17 Y
	Add 15% CPOH on "Y"				10.23
	TOTAL				78.40 Z
	Add Cess @ 1% on "Z"				0.78
	Cost of 1 shoe				79.18
	Say				79.20

12.42.6.2 110 mm Shoe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7213	Details of cost for 1 shoe				
	UPVC plain shoe 110 mm bend	each	1.00	47.00	47.00
7191	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 110 mm dia.	each	1.00	11.00	11.00
9999	Adhesive, and sundries etc.	L.S.	2.73	2.00	5.46

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Carriage and fixing charges	L.S.	10.79	2.00	21.58
	TOTAL				85.04 W
	Add 1 % Water charges on "W"				0.85
	TOTAL				85.89 X
	Add GST on "X" (multiplying factor 0.1405)				12.07
	TOTAL				97.96 Y
	Add 15% CPOH on "Y"				14.69
	TOTAL				112.65 Z
	Add Cess @ 1% on "Z"				1.13
	Cost of 1 shoe				113.78
	Say				113.80

12.43 Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.

12.43.1 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5 nos.				
	MATERIAL				
7214	UPVC pipe clip 75 mm bend	each	5.00	15.00	75.00
9977	Carriage of U-PVC pipe clips	L.S.	2.47	2.00	4.94
0870	Plug	each	10.00	10.00	100.00
	LABOUR				
0116	Fitter (grade 1)	day	0.125	738.00	92.25
0124	Mason (brick layer) 2nd class	day	0.75	679.00	509.25
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries	L.S.	7.15	2.00	14.30
9999	Sundries	L.S.	0.91	2.00	1.82
9999	Sundries cement mortar 1:4 (1Cement : 4 Coarse sand)	L.S.	3.90	2.00	7.80
	TOTAL				1084.36 W
	Add 1 % Water charges on "W"				10.84
	TOTAL				1095.20 X
	Add GST on "X" (multiplying factor 0.1405)				153.88
	TOTAL				1249.08 Y
	Add 15% CPOH on "Y"				187.36
	TOTAL				1436.44 Z
	Add Cess @ 1% on "Z"				14.36
	Cost of 5 Nos.				1450.81
	Cost of 1 No.				290.16
	Say				290.15

12.43.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5 nos.				
	MATERIAL				
7215	UPVC pipe clip 110 mm bend	each	5.00	14.00	70.00
9977	Carriage of U-PVC pipe clips	L.S.	2.47	2.00	4.94
0870	Plug	each	10.00	10.00	100.00
	LABOUR				
0116	Fitter (grade 1)	day	0.125	738.00	92.25
0124	Mason (brick layer) 2nd class	day	0.75	679.00	509.25
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries	L.S.	7.15	2.00	14.30
9999	Sundries	L.S.	0.91	2.00	1.82
9999	Sundries cement mortar 1:4 (1Cement : 4 Coarse sand)	L.S.	3.90	2.00	7.80
	TOTAL				1079.36 W
	Add 1 % Water charges on "W"				10.79
	TOTAL				1090.15 X
	Add GST on "X" (multiplying factor 0.1405)				153.17
	TOTAL				1243.32 Y
	Add 15% CPOH on "Y"				186.50
	TOTAL				1429.82 Z
	Add Cess @ 1% on "Z"				14.30
	Cost of 5 Nos.				1444.12
	Cost of 1 No.				288.82
	Say				288.80

12.44 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 grating				
	MATERIAL				
7187	C.I. grating 150 mm dia. (Weighing not less than 440 gm)	each	1.00	27.00	27.00
9977	Carriage of material and fixing charges	L.S.	4.16	2.00	8.32
	TOTAL				35.32 W
	Add 1 % Water charges on "W"				0.35
	TOTAL				35.67 X
	Add GST on "X" (multiplying factor 0.1405)				5.01
	TOTAL				40.69 Y
	Add 15% CPOH on "Y"				6.10
	TOTAL				46.79 Z
	Add Cess @ 1% on "Z"				0.47
	Cost of each grating				47.26
	Say				47.25

- 12.45 Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :**
- 12.45.1 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) : 2011 (Board with BIS Certification marks)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7009	Details of cost for 10.8x9.6m = 103.68sqm. MATERIAL Gypsum board 12.5mm thick = 103.68 sqm.+ Add wastage @ 5% = 5.18sqm. Total = 108.86 sqm. 12.5 mm thick tapered edge gypsum plain borad	sqm	108.86	155.00	16873.30
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	46.00	10954.44
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	22.00	920.48
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm) Strap hanger	metre	90.72	38.00	3447.36
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50mm)	metre	10.80	12.00	129.60
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	21.60	38.00	820.80
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00
7020	All drive screws (for gypsum board)	100 Nos	10.00	58.00	580.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7016	Joint filler	kilogram	22.81	26.00	593.06
7017	Joint finisher	kilogram	34.21	23.00	786.83
7018	Joint tape roll	roll	1.27	100.00	127.00
7021	Primer (for gypsum board)	litre	18.66	85.00	1586.10
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.00	1614.60
9977	Carriage of material etc.	L.S.	447.20	2.00	894.40
	LABOUR :-				
0112	Carpenter 2nd class	day	31.104	679.00	21119.62
0114	Beldar	day	31.104	558.00	17356.03
0131	Painter	day	10.368	679.00	7039.87
	TOTAL				86607.49 W
	Add 1 % Water charges on "W"				866.07
	TOTAL				87473.56 X
	Add GST on "X" (multiplying factor 0.1405)				12290.04
	TOTAL				99763.60 Y
	Add 15% CPOH on "Y"				14964.54
	TOTAL				114728.14 Z
	Add Cess @ 1% on "Z"				1147.28
	Cost for 103.68 sqm.				115875.42
	Cost of 1 Sqm.				1117.63
	Say				1117.65

12.45.2 12.5 mm thick tapered edge Glass Reinforced Gypsum (GRG) board conforming to IS: 2095- (Part 3) : 1996 (Board with BIS Certification marks)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.8x9.6m = 103.68sqm. MATERIAL Gypsum board 12.5mm thick = 103.68 sqm.+ Add wastage @ 5% = 5.18sqm. Total = 108.86 sqm.				
7366	12.5 mm thick tapered edge Glass Reinforced Gypsum (GRG) board	sqm	108.86	240.00	26126.40
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	46.00	10954.44
7011	Galvanised Steel perimeter Channel (Size 20x27x30x0.50mm)	metre	41.84	22.00	920.48
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	38.00	3447.36
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50mm)	metre	10.80	12.00	129.60
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7020	All drive screws (for gypsum board)	100 Nos	10.00	58.00	580.00
7016	Joint filler	kilogram	22.81	26.00	593.06
7017	Joint finisher	kilogram	34.21	23.00	786.83
7018	Joint tape roll	roll	1.27	100.00	127.00
7021	Primer (for gypsum board)	litre	18.66	85.00	1586.10
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.00	1614.60
9977	Carriage of material etc.	L.S.	447.20	2.00	894.40
	LABOUR :-				
0112	Carpenter 2nd class	day	31.104	679.00	21119.62
0114	Beldar	day	31.104	558.00	17356.03
0131	Painter	day	10.37	679.00	7041.23
	TOTAL				95861.95 W
	Add 1 % Water charges on "W"				958.62
	TOTAL				96820.57 X
	Add GST on "X" (multiplying factor 0.1405)				13603.29
	TOTAL				110423.86 Y
	Add 15% CPOH on "Y"				16563.58
	TOTAL				126987.44 Z
	Add Cess @ 1% on "Z"				1269.87
	Cost of 103.68 sqm.				128257.31
	Cost of 1 Sqm.				1237.05
	Say				1237.05

12.45.3 12.5 mm thick tapered edge gypsum moisture resistant board

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.8x9.6m = 103.68sqm. MATERIAL Gypsum board 12.5mm thick = 103.68 sqm.+ Add wastage @ 5% = 5.18sqm. Total = 108.86 sqm.				
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	108.86	275.00	29936.50
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	46.00	10954.44
7011	Galvanised Steel perimeter Channel (Size 20x27x30x0.50mm)	metre	41.84	22.00	920.48
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	38.00	3447.36
7013	Galvanised Steel angle hanger (Ceiling angle) (Size 25x10x0.50mm)	metre	10.80	12.00	129.60
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7020	All drive screws (for gypsum board)	100 Nos	10.00	58.00	580.00
7016	Joint filler	kilogram	22.81	26.00	593.06
7017	Joint finisher	kilogram	34.21	23.00	786.83
7018	Joint tape roll	roll	1.27	100.00	127.00
7021	Primer (for gypsum board)	litre	18.66	85.00	1586.10
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.00	1614.60
9977	Carriage of material etc.	L.S.	447.20	2.00	894.40
	LABOUR				
0112	Carpenter 2nd class	day	31.104	679.00	21119.62
0114	Beldar	day	31.104	558.00	17356.03
0131	Painter	day	10.37	679.00	7041.23
	TOTAL				99672.05 W
	Add 1 % Water charges on "W"				996.72
	TOTAL				100668.77 X
	Add GST on "X" (multiplying factor 0.1405)				14143.96
	TOTAL				114812.73 Y
	Add 15% CPOH on "Y"				17221.91
	TOTAL				132034.64 Z
	Add Cess @ 1% on "Z"				1320.35
	Cost of 103.68 sqm.				133354.99
	Cost of 1 Sqm.				1286.22
	Say				1286.20

12.45.4 Fully Perforated Gypsum Plaster Board of size 1200 x 2400x12.5 mm having approx. 15 % perforated area with perforation size and pattern as approved by the Engineer-in-charge and as per manufacturer's specification, with all 4 side tapered and backed by acoustical tissue with NRC value not less than 0.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.8x9.6m = 103.68sqm. MATERIAL Gypsum board 12.5mm thick = 103.68 sqm.+ Add wastage @ 5% = 5.18sqm. Total = 108.86 sqm.				
7028	12.5 mm thick Fully Perforated gypsum board	sqm	108.86	410.00	44632.60
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	46.00	10954.44
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	22.00	920.48
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	38.00	3447.36
7013	Galvanised Steel angle hanger (Ceiling angle) (Size 25x10x0.50mm)	metre	10.80	12.00	129.60
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00
7020	All drive screws (for gypsum board)	100 Nos	10.00	58.00	580.00
7016	Joint filler	kilogram	22.81	26.00	593.06
7017	Joint finisher	kilogram	34.21	23.00	786.83
7018	Joint tape roll	roll	1.27	100.00	127.00
7021	Primer (for gypsum board)	litre	18.66	85.00	1586.10
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.00	1614.60
9977	Carriage of material etc.	L.S.	447.20	2.00	894.40
	LABOUR :-				
0112	Carpenter 2nd class	day	31.104	679.00	21119.62
0114	Beldar	day	31.104	558.00	17356.03
0131	Painter	day	10.37	679.00	7041.23
	TOTAL				114368.15 W
	Add 1 % Water charges on "W"				1143.68
	TOTAL				115511.83 X
	Add GST on "X" (multiplying factor 0.1405)				16229.41
	TOTAL				131741.24 Y
	Add 15% CPOH on "Y"				19761.19
	TOTAL				151502.43 Z
	Add Cess @ 1% on "Z"				1515.02
	Cost of 103.68 sqm.				153017.45
	Cost of 1 Sqm.				1475.86
	Say				1475.85

12.46 Providing and fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermoplastic) grating square (Slit) 150 mm square with a height of 8 mm and weighing not less than 100 gms.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7857	Details of cost for 1 grating MATERIAL				
9977	P.T.M.T. Grating square slit 150mm	each	1.00	66.75	66.75
	Carriage of material and fixing charges	L.S.	4.16	2.00	8.32
	TOTAL				75.07 W
	Add 1 % Water charges on "W"				0.75
	TOTAL				75.82 X
	Add GST on "X" (multiplying factor 0.1405)				10.65
	TOTAL				86.47 Y
	Add 15% CPOH on "Y"				12.97
	TOTAL				99.44 Z
	Add Cess @ 1% on "Z"				0.99
	Cost of each grating				100.44
	Say				100.45

- 12.47 Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel roovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.**
- 12.47.1 2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for area of roof. 2x18.09x5.1 = 184.518 sqm.				
	MATERIAL				
8668	UV stabilised 2 mm thick corrugated FRP sheet	sqm	240.408	485.00	116597.88
9977	Carriage of sheet	L.S.	104.00	2.00	208.00
	G.I.Seam bolts and nuts 60cm centre to centre zig-zag i.e. 30cm centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.				
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	88.40	38.00	3359.20
	G.I.,J or L hooks 8mm dia. (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 nos. of bolts in each sheet = 810 nos.				
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	81.00	120.00	9720.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	21.00	355.74
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	53.82	2.00	107.64
	LABOUR				
0130	Mistry	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	15.50	679.00	10524.50
0114	Beldar	day	15.50	558.00	8649.00
	TOTAL				151043.38 W
	Add 1 % Water charges on "W"				1510.43
	TOTAL				152553.81 X
	Add GST on "X" (multiplying factor 0.1405)				21433.81
	TOTAL				173987.62 Y
	Add 15% CPOH on "Y"				26098.14
	TOTAL				200085.77 Z
	Add Cess @ 1% on "Z"				2000.86
	Cost of 184.518 Sqm.				202086.63
	Cost of 1 Sqm.				1095.21
	Say				1095.20

12.47.2 2 mm thick flat

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8667	Details of cost for area of roof. 2x18.09x5.1 = 184.518 sqm. MATERIAL UV stabilised 2 mm thick plain FRP sheet	sqm	240.408	430.00	103375.44
9977	Carriage of sheet	L.S.	104.00	2.00	208.00
1022	G.I.Seam bolts and nuts 60cm centre to centre zig-zag i.e. 30cm centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos. Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	88.40	38.00	3359.20
1023	G.I.,J or L hooks 8mm dia. (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 nos. of bolts in each sheet = 810 nos.	10 Nos	81.00	120.00	9720.00
1207	Galvanised steel J or L hooks 8 mm dia G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	21.00	355.74
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	2.00	53.82
9999	Sundries	L.S.	53.82	2.00	107.64
	LABOUR				
0130	Mistry	day	1.30	738.00	959.40
0112	Carpenter 2nd class	day	15.50	679.00	10524.50
0114	Beldar	day	15.50	558.00	8649.00
	TOTAL				137820.94 W
	Add 1 % Water charges on "W"				1378.21
	TOTAL				139199.15 X
	Add GST on "X" (multiplying factor 0.1405)				19557.48
	TOTAL				158756.63 Y
	Add 15% CPOH on "Y"				23813.49
	TOTAL				182570.12 Z
	Add Cess @ 1% on "Z"				1825.70
	Cost of 184.518 Sqm.				184395.83
	Cost of 1 Sqm.				999.34
	Say				999.35

12.48 Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern on steel frame work complete (steel frame work to be paid separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8670	Details of cost for 10 sqm MATERIAL Mangalore tiles 20 mm thick	each	160.00	8.00	1280.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2207	Carriage of Brick tiles	1000 Nos	0.16	166.03	26.56
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.30	738.00	221.40
0114	Beldar	day	1.56	558.00	870.48
9999	Sundries	L.S.	13.00	2.00	26.00
	TOTAL				2424.44 W
	Add 1 % Water charges on "W"				24.24
	TOTAL				2448.69 X
	Add GST on "X" (multiplying factor 0.1405)				344.04
	TOTAL				2792.73 Y
	Add 15% CPOH on "Y"				418.91
	TOTAL				3211.64 Z
	Add Cess @ 1% on "Z"				32.12
	Cost of 10 sqm				3243.76
	Cost of 1 sqm				324.38
	Say				324.40

12.49 Providing & laying on roof pressed clay tile ridge (Mangalore tile) of 20mm thickness and of approved pattern on steel frame work complete (steel frame work to be paid separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.60 metre				
	MATERIAL				
8669	Mangalore ridge tiles 20 mm thick	each	12.00	8.00	96.00
2207	Carriage of Brick tiles	1000 Nos	0.012	166.03	1.99
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.01	738.00	7.38
0114	Beldar	day	0.15	558.00	83.70
9999	Sundries	L.S.	2.60	2.00	5.20
	TOTAL				194.27 W
	Add 1 % Water charges on "W"				1.94
	TOTAL				196.22 X
	Add GST on "X" (multiplying factor 0.1405)				27.57
	TOTAL				223.78 Y
	Add 15% CPOH on "Y"				33.57
	TOTAL				257.35 Z
	Add Cess @ 1% on "Z"				2.57
	Cost of 3.60 metre				259.92
	Cost for 1 metre				72.20
	Say				72.20

12.50 Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12

metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 216.14 sqm. Consider a shed of 20x10 metres. (External dimensions of plinth). Area of roof- 20.2x10.70m = 216.14 sqm. MATERIAL Sheets used = 20 nos.x10.70mx 1.06m = 226.84sqm Add 3% wastage = 6.81 Total = 233.65sqm.				
8671	Precoated galvanised iron profile sheet 0.50 mm TCT	sqm	233.65	350.00	81777.50
9977	Carriage of sheets	L.S.	104.00	2.00	208.00
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	47.60	120.00	5712.00
1208	Bitumen washer	100 Nos	4.76	30.00	142.80
1209	G.I. plain washer thick	100 Nos	4.76	35.00	166.60
9977	Carriage of bolts and nuts, washers etc.	L.S.	8.06	2.00	16.12
9999	Sundries	L.S.	39.52	2.00	79.04
	LABOUR				
0130	Mistry	day	2.34	738.00	1726.92
0112	Carpenter 2nd class	day	9.34	679.00	6341.86
0114	Beldar	day	9.34	558.00	5211.72
	TOTAL				101382.56 W
	Add 1 % Water charges on "W"				1013.83
	TOTAL				102396.39 X
	Add GST on "X" (multiplying factor 0.1405)				14386.69
	TOTAL				116783.08 Y
	Add 15% CPOH on "Y"				17517.46
	TOTAL				134300.54 Z
	Add Cess @ 1% on "Z"				1343.01
	Cost of 216.14 sqm.				135643.54
	Cost of 1.00 sqm.				627.57
	Say				627.55

- 12.51 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :**
- 12.51.1 Ridges plain (500 - 600mm)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 20.20 metre One piece plain ridges Consider a shed of 20x10m (external dimensions at plinth). Length of ridges 20.2 metre + 5% wastage = 23.11 metre.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8672	MATERIAL Precoated galvanised steel plain ridges 0.50 mm TCT and 500 -600 mm wide	metre	23.11	210.00	4853.10
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	2.00	27.04
9999	Sundries	L.S.	6.76	2.00	13.52
	LABOUR				
0130	Mistry	day	0.14	738.00	103.32
0112	Carpenter 2nd class	day	0.55	679.00	373.45
0114	Beldar	day	1.64	558.00	915.12
	TOTAL				6285.55 W
	Add 1 % Water charges on "W"				62.86
	TOTAL				6348.41 X
	Add GST on "X" (multiplying factor 0.1405)				891.95
	TOTAL				7240.36 Y
	Add 15% CPOH on "Y"				1086.05
	TOTAL				8326.41 Z
	Add Cess @ 1% on "Z"				83.26
	Cost of 20.20 metre				8409.67
	Cost of 1.00 metre				416.32
	Say				416.30

12.51.2 Flashings/ Aprons.(Upto 600 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8673	Details for shed of 20.2 metres completed length MATERIAL Precoated galvanised steel flashings/ aprons 0.50mm TCT and wide upto 600 mm	metre	23.11	210.00	4853.10
	20.20 + 5% wastage = 23.11 metre				
9977	Carriage of apron pieces. (The apron pieces are to be fixed with the same hooks as the sheets)	L.S.	3.25	2.00	6.50
9999	Sundries	L.S.	3.25	2.00	6.50
	LABOUR				
0130	Mistry	day	0.07	738.00	51.66
0112	Carpenter 2nd class	day	0.28	679.00	190.12
0114	Beldar	day	0.82	558.00	457.56
	TOTAL				5565.44 W
	Add 1 % Water charges on "W"				55.65
	TOTAL				5621.09 X
	Add GST on "X" (multiplying factor 0.1405)				789.76
	TOTAL				6410.86 Y
	Add 15% CPOH on "Y"				961.63
	TOTAL				7372.49 Z
	Add Cess @ 1% on "Z"				73.72
	Cost of 20.20 metre				7446.21
	Cost of 1.00 metre				368.62
	Say				368.60

12.51.3 North light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of North light curve 20.20 metres long complete length				
	MATERIAL				
8675	Precoated galvanised steel north light curves	metre	23.11	230.00	5315.30
	20.20 + 5% wastage = 23.11 metre				
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	120.00	480.00
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.00	19.76
9999	Sundries	L.S.	6.24	2.00	12.48
	LABOUR				
0130	Mistry	day	0.10	738.00	73.80
0112	Carpenter 2nd class	day	0.30	679.00	203.70
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				6689.04 W
	Add 1 % Water charges on "W"				66.89
	TOTAL				6755.93 X
	Add GST on "X" (multiplying factor 0.1405)				949.21
	TOTAL				7705.14 Y
	Add 15% CPOH on "Y"				1155.77
	TOTAL				8860.91 Z
	Add Cess @ 1% on "Z"				88.61
	Cost of 20.20 metre				8949.52
	Cost of 1.00 metre				443.05
	Say				443.05

12.51.4 Barge board (Upto 300 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 8.23 metres				
	Completed length of barge boards = 8.23 + 5% wastage = 8.64 metre				
	MATERIAL				
8676	Precoated galvanised steel barge board	metre	8.64	215.00	1857.60
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.50	10.00	5.00
1211	G.I. plain washer for seam bolts	100 Nos	0.10	32.00	3.20
1208	Bitumen washer	100 Nos	0.05	30.00	1.50
9977	Carriage of barge boards, bolts, nuts and washers	L.S.	9.36	2.00	16.19
9999	Sundries	L.S.	6.76	2.00	11.69
	LABOUR				
0130	Mistry	day	0.04	738.00	29.52
0112	Carpenter 2nd class	day	0.06	679.00	40.74

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.40	558.00	223.20
	TOTAL				2188.64 W
	Add 1 % Water charges on "W"				21.89
	TOTAL				2210.53 X
	Add GST on "X" (multiplying factor 0.1405)				310.58
	TOTAL				2521.11 Y
	Add 15% CPOH on "Y"				378.17
	TOTAL				2899.27 Z
	Add Cess @ 1% on "Z"				28.99
	Cost of 8.23 metre				2928.26
	Cost of 1.00 metre				355.80
	Say				355.80

12.51.5 Crimp curve

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of crimp curve 20.2 metres long complete length, Area 20.20 x 1.06 =21.412 sqm				
	MATERIAL				
8677	Precoated galvanised steel crimp curve	sqm	22.483	230.00	5171.09
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	120.00	480.00
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.00	19.76
9999	Sundries	L.S.	6.24	2.00	12.48
	LABOUR				
0130	Mistry	day	0.10	738.00	73.80
0112	Carpenter 2nd class	day	0.30	679.00	203.70
0114	Beldar	day	1.00	558.00	558.00
	TOTAL				6544.83 W
	Add 1 % Water charges on "W"				65.45
	TOTAL				6610.28 X
	Add GST on "X" (multiplying factor 0.1405)				928.74
	TOTAL				7539.02 Y
	Add 15% CPOH on "Y"				1130.85
	TOTAL				8669.88 Z
	Add Cess @ 1% on "Z"				86.70
	Cost of 21.412 sqm				8756.57
	Cost of 1.00 sqm				408.96
	Say				408.95

12.51.6 Gutter (600 mm over all girth)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost of 10 metre 0.63mm thick with zinc coating not less than 275gm/sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Consider a length of 10.00m Sheet used = 10x1.06m x 0.60 = 6.36 sqm. Total = 6.36 metre				
8674	Precoated galvanised steel gutter	metre	10.00	420.00	4200.00
9977	Carriage of gutter	L.S.	1.04	2.00	2.08
1008	Flats upto 10 mm in thickness	quintal	0.0749	4500.00	337.05
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	2.00	38.00	76.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	30.00	9.00	270.00
1210	G.I. plain washer thin	100 Nos	0.70	21.00	14.70
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of G.I. seam bolts and washers	L.S.	2.73	2.00	5.46
9999	Sundries	L.S.	5.33	2.00	10.66
	LABOUR				
0102	Blacksmith 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries	L.S.	12.61	2.00	25.22
0130	Mistry	day	0.28	738.00	206.64
0102	Blacksmith 1st class	day	0.84	738.00	619.92
0112	Carpenter 2nd class	day	0.62	679.00	420.98
0114	Beldar	day	1.68	558.00	937.44
	TOTAL				7786.15 W
	Add 1 % Water charges on "W"				77.86
	TOTAL				7864.01 X
	Add GST on "X" (multiplying factor 0.1405)				1104.89
	TOTAL				8968.91 Y
	Add 15% CPOH on "Y"				1345.34
	TOTAL				10314.24 Z
	Add Cess @ 1% on "Z"				103.14
	Cost of 10.00 metres				10417.38
	Cost of 1.00 metre				1041.74
	Say				1041.75

- 12.52 Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI**

adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.

12.52.1

GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 sqm. MATERIAL Celling Area =100 sqm Add wastage @ 5% = 0.05 sqm. Total=100.05 sqm				
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595mm and 0.5 mm thick	sqm	105.00	612.00	64260.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	29.50	115.00	3392.50
8612	Including Wastage @ 10% Perimeter wall angle 24x24x0.3mm (3 metre long)	each	13.50	80.00	1080.00
8613	Including Wastage @ 10% Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long)	each	147.00	35.00	5145.00
8614	Including Wastage @ 10% on Grid for cut outs Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long)	each	147.00	17.00	2499.00
8615	Including Wastage @ 10% on Grid for cut outs Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	2.00	375.90
9977	Carriage of materials etc.	L.S.	89.28	2.00	178.56
	LABOUR				
0111	Carpenter 1st class	day	28.00	738.00	20664.00
0114	Beldar	day	23.00	558.00	12834.00
	TOTAL				112444.96 W
	Add 1 % Water charges on "W"				1124.45
	TOTAL				113569.41 X
	Add GST on "X" (multiplying factor 0.1405)				15956.50
	TOTAL				129525.91 Y
	Add 15% CPOH on "Y"				19428.89
	TOTAL				148954.80 Z
	Add Cess @ 1% on "Z"				1489.55
	Cost of 100 sqm.				150444.35
	Cost of 1 sqm.				1504.44
	Say				1504.45

12.52.2 GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 sqm. MATERIAL Celling Area =100 sqm Add wastage @ 5% = 0.05 sqm. Total=100.05 sqm				
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595mm and 0.5 mm thick	sqm	105.00	715.00	75075.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	29.50	115.00	3392.50
8612	Including Wastage @ 10% Perimeter wall angle 24x24x0.3mm (3 metre long)	each	13.50	80.00	1080.00
8613	Including Wastage @ 10% Intermediate cross T-section 24x25x0.3mm (1.2 mtrs long)	each	147.00	35.00	5145.00
8614	Including Wastage @ 10% on Grid for cut outs Intermediate cross T-section 24x25x0.3mm (0.6 mtrs long)	each	147.00	17.00	2499.00
	Including Wastage @ 10% on Grid for cut outs				
8615	Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	2.00	375.90
9977	Carriage of materials etc.	L.S.	89.28	2.00	178.56
	LABOUR				
0111	Carpenter 1st class	day	28.00	738.00	20664.00
0114	Beldar	day	23.00	558.00	12834.00
	TOTAL				123259.96 W
	Add 1 % Water charges on "W"				1232.60
	TOTAL				124492.56 X
	Add GST on "X" (multiplying factor 0.1405)				17491.20
	TOTAL				141983.76 Y
	Add 15% CPOH on "Y"				21297.56
	TOTAL				163281.33 Z
	Add Cess @ 1% on "Z"				1632.81
	Cost of 100 sqm.				164914.14
	Cost of 1 sqm.				1649.14
	Say				1649.15

12.52.3 12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 sqm. MATERIAL Celling Area =100 sqm Add wastage @ 5% = 0.05 sqm. Total=100.05 sqm				
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	105.00	880.00	92400.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	29.50	115.00	3392.50
8612	Including Wastage @ 10% Perimeter wall angle 24x24x0.3mm (3 metre long)	each	13.50	80.00	1080.00
8613	Including Wastage @ 10% Intermediate cross T-section 24x25x0.3mm (1.2 mtrs long)	each	147.00	35.00	5145.00
8614	Including Wastage @ 10% on Grid for cut outs Intermediate cross T-section 24x25x0.3mm (0.6 mtrs long)	each	147.00	17.00	2499.00
8615	Including Wastage @ 10% on Grid for cut outs Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	2.00	375.90
9977	Carriage of materials etc.	L.S.	89.28	2.00	178.56
	LABOUR				
0111	Carpenter 1st class	day	28.00	738.00	20664.00
0114	Beldar	day	23.00	558.00	12834.00
	TOTAL				140584.96 W
	Add 1 % Water charges on "W"				1405.85
	TOTAL				141990.81 X
	Add GST on "X" (multiplying factor 0.1405)				19949.71
	TOTAL				161940.52 Y
	Add 15% CPOH on "Y"				24291.08
	TOTAL				186231.60 Z
	Add Cess @ 1% on "Z"				1862.32
	Cost of 100 sqm.				188093.91
	Cost of 1 sqm.				1880.94
	Say				1880.95

12.52.4 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 sqm. MATERIAL Celling Area =100 sqm Add wastage @ 5% = 0.05 sqm. Total=100.05 sqm				
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	105.00	375.00	39375.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	29.50	115.00	3392.50
	Including Wastage @ 10%				
8612	Perimeter wall angle 24x24x0.3mm (3 metre long)	each	13.50	80.00	1080.00
	Including Wastage @ 10%				
8613	Intermediate cross T-section 24x25x0.3mm (1.2 mtrs long)	each	147.00	35.00	5145.00
	Including Wastage @ 10% on Grid for cut outs				
8614	Intermediate cross T-section 24x25x0.3mm (0.6 mtrs long)	each	147.00	17.00	2499.00
	Including Wastage @ 10% on Grid for cut outs				
8615	Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	2.00	375.90
9977	Carriage of materials etc.	L.S.	89.28	2.00	178.56
	LABOUR				
0111	Carpenter 1st class	day	28.00	738.00	20664.00
0114	Beldar	day	23.00	558.00	12834.00
	TOTAL				87559.96 W
	Add 1 % Water charges on "W"				875.60
	TOTAL				88435.56 X
	Add GST on "X" (multiplying factor 0.1405)				12425.20
	TOTAL				100860.76 Y
	Add 15% CPOH on "Y"				15129.11
	TOTAL				115989.87 Z
	Add Cess @ 1% on "Z"				1159.90
	Cost of 100 sqm.				117149.77
	Cost of 1 sqm.				1171.50
	Say				1171.50

12.53

Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to form grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calicum silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main 'T', bottom exposed with 24 mm of all Tsections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8589	Details of cost for 100 sqm. MATERIAL Calcium Silicate tegular edged ceiling tiles 495x495 mm and 15 mm thick Area = 100 sqm + Add 5% wastage = 5 sqm Total = 105 sqm	sqm	105.00	685.00	71925.00
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33mm (3.00 metre long)	each	29.50	120.00	3540.00
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	13.50	65.00	877.50
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (1.2 metre long)	each	147.00	40.00	5880.00
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33. (0.6 metre long)	each	147.00	20.00	2940.00
8615	Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	100.00	1.00	100.00
9999	scaffolding etc.	L.S.	498.65	2.00	997.30
9977	Carriage of materials etc.	L.S.	237.48	2.00	474.96
9999	Sundries	L.S.	310.70	2.00	621.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
	Carpenter 1st class	day	28.00	738.00	20664.00
0114	Beldar	day	23.00	558.00	12834.00
	TOTAL				122870.16 W
	Add 1 % Water charges on "W"				1228.70
	TOTAL				124098.86 X
	Add GST on "X" (multiplying factor 0.1405)				17435.89
	TOTAL				141534.75 Y
	Add 15% CPOH on "Y"				21230.21
	TOTAL				162764.96 Z
	Add Cess @ 1% on "Z"				1627.65
	Cost of 100 sqm.				164392.61
	Cost of 1 sqm.				1643.93
	Say				1643.95

12.54 Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring T with :

12.54.1 GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 sqm.				
	MATERIAL				
	Celling Area =100 sqm				
	Add wastage @ 5% = 5 sqm.				
	Total=105 sqm				
8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5mm thick	sqm	105.00	677.00	71085.00
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	60.00	190.00	11400.00
	Including Wastage @ 10%				
8605	C Wall angle section 20x30x20x 0.50 mm (3.00 meter long)	metre	27.70	95.00	2631.50
	Including Wastage @ 10%				
8606	Main C Carrier Size 10x38x10x0.70mm (3.00 meter long)	metre	33.00	115.00	3795.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Including Wastage @ 10% on Grid for cut outs				
8607	Spring T-connector	each	44.00	5.00	220.00
8608	C Carrier Connector	each	44.00	11.00	484.00
8609	C Suspension Clip	each	88.00	8.00	704.00
8610	Wire Coupling Clip	each	333.00	9.00	2997.00
8615	Hanger rod 4 mm thick	each	80.00	8.00	640.00
8616	Adjustment clip 85x30x0.8mm	each	80.00	5.00	400.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	80.00	4.00	320.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	80.00	11.00	880.00
9999	Sundries i.e. scaffolding etc.	L.S.	188.00	2.00	376.00
9977	Carriage of materials etc.	L.S.	90.00	2.00	180.00
	LABOUR				
0111	Carpenter 1st class	day	28.00	738.00	20664.00
0114	Beldar	day	23.00	558.00	12834.00
	TOTAL				129610.50 W
	Add 1 % Water charges on "W"				1296.11
	TOTAL				130906.61 X
	Add GST on "X" (multiplying factor 0.1405)				18392.38
	TOTAL				149298.98 Y
	Add 15% CPOH on "Y"				22394.85
	TOTAL				171693.83 Z
	Add Cess @ 1% on "Z"				1716.94
	Cost of 100 sqm.				173410.77
	Cost of 1 sqm.				1734.11
	Say				1734.10

12.54.2 GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 sqm.				
	MATERIAL				
	Celling Area =100 sqm				
	Add wastage @ 5% = 5 sqm.				
	Total=105 sqm				
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5mm thick	sqm	105.00	782.00	82110.00
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	60.00	190.00	11400.00
8605	Including Wastage @ 10% C Wall angle section 20x30x20x 0.50 mm (3.00 meter long)	metre	27.70	95.00	2631.50
	Including Wastage @ 10%				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8606	Main C Carrier Size 10x38x10x0.70mm (3.00 meter long) Including Wastage @ 10% on Grid for cut outs	metre	33.00	115.00	3795.00
8607	Spring T-connector	each	44.00	5.00	220.00
8608	C Carrier Connector	each	44.00	11.00	484.00
8609	C Suspension Clip	each	88.00	8.00	704.00
8610	Wire Coupling Clip	each	333.00	9.00	2997.00
8615	Hanger rod 4 mm thick	each	80.00	8.00	640.00
8616	Adjustment clip 85x30x0.8mm	each	80.00	5.00	400.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	80.00	4.00	320.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	80.00	11.00	880.00
9999	Sundries i.e. scaffolding etc.	L.S.	188.00	2.00	376.00
9977	Carriage of materials etc.	L.S.	90.00	2.00	180.00
	LABOUR				
0111	Carpenter 1st class	day	28.00	738.00	20664.00
0114	Beldar	day	23.00	558.00	12834.00
	TOTAL				140635.50 W
	Add 1 % Water charges on "W"				1406.36
	TOTAL				142041.86 X
	Add GST on "X" (multiplying factor 0.1405)				19956.88
	TOTAL				161998.74 Y
	Add 15% CPOH on "Y"				24299.81
	TOTAL				186298.55 Z
	Add Cess @ 1% on "Z"				1862.99
	Cost of 100 sqm.				188161.53
	Cost of 1 sqm.				1881.62
	Say				1881.60

12.55 Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300 mm x 20 mm) with SRI (solar refractive index) > 78, solar reflection > 0.70 and initial emittance > 0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1:4 (1 cement : 4 coarse sand) and grouting the joints with mix of white cement & marble powder in ratio of 1:1, including rubbing and polishing of the surface upto 3 cuts complete, including providing skirting upto 150 mm height along the parapet walls in the same manner.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1204	Details of cost for 10 sqm Area= 10 sqm+ Add wastage @ 3%=0.3 sqm Total=10.30 sqm MATERIAL Precast heat resistant terrace tiles (size 300x300mm) and 20mm thick Cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	10.30	409.00	4212.70
3.9	Rate as per Item No.3.9 of SH:Mortar	cum	0.224	4010.35	898.32
0367	Portland Cement (OPC-43 grade)	tonne	0.044	4940.00	217.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0368	White Cement	tonne	0.044	11200.00	492.80
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	60.00	184.80
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	679.00	1086.40
0115	Coolie	day	2.00	558.00	1116.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	617.00	617.00
0101	Bhisti	day	1.00	617.00	617.00
0013	Machine for rubbing of floors	day	1.60	300.00	480.00
9999	Sundries including carborandum stone etc.	L.S.	169.98	2.00	339.96
	TOTAL				10270.46 W
	Add 1 % Water charges on "W"				102.70
	TOTAL				10373.16 X
	Add GST on "X" (multiplying factor 0.1405)				1457.43
	TOTAL				11830.59 Y
	Add 15% CPOH on "Y"				1774.59
	TOTAL				13605.18 Z
	Add Cess @ 1% on "Z"				136.05
	Cost of 10 sqm				13741.23
	Cost of 1 sqm				1374.12
	Say				1374.10

12.56

Providing and laying roof insulation with 40 mm thick impervious sprayed, closed cell free Rigid Polyurethane foam over deck insulation conforming to IS - 12432 Pt. III (density of foam being 40-45 kg/ cum), over a coat of polyurethane primer applied @ 6-8 sqm per litre, laying 400 G polythene sheet over PUF spray and providing a wearing course of 40 mm thick cement screed 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) in chequered rough finish, in panels of 2.5 m x 2.5 m and embedding with 24 G wire netting and sealing the joints with polymerized mastic, all complete as per direction of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7050	Details of cost for 1 sqm MATERIAL PU Primer Area for PU Spray = 1 sqm+ Add for wastage @ 10%=0.10 sqm Total=1.10 sqm	sqm	1.00	60.00	60.00
7051	40 mm (average) PU spray having 40-45 kg/m3 density	sqm	1.10	400.00	440.00
7052	GI wire netting 3/4" x 24 G	sqm	1.00	26.00	26.00
9999	Sundries	L.S.	6.71	2.00	13.42
9999	Polymerized mastic for all joints	L.S.	20.13	2.00	40.26
7053	400 G polythene sheet	sqm	1.00	14.00	14.00
9999	Cement	L.S.	44.67	2.00	89.34
9999	Graded stone	L.S.	13.75	2.00	27.50
9999	Sand	L.S.	21.48	2.00	42.96
9977	Carriage of material	L.S.	16.78	2.00	33.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	LABOUR				
	For PU spray	L.S.	80.54	2.00	161.08
9999	For cement screed with Polythene sheet	L.S.	53.69	2.00	107.38
	TOTAL				1055.50 W
	Add 1 % Water charges on "W"				10.56
	TOTAL				1066.06 X
	Add GST on "X" (multiplying factor 0.1405)				149.78
	TOTAL				1215.84 Y
	Add 15% CPOH on "Y"				182.38
	TOTAL				1398.21 Z
	Add Cess @ 1% on "Z"				13.98
	Cost of 1 sqm				1412.19
	Say				1412.20

12.57 Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m³, 50 mm thick, wrapped in 200G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
	Area for 10.00sqm. (Finished surface) = 10.00sqm.+				
	Add Wastage @ 10% =1.00 sqm				
	Total =11.00sqm				
7232	Resin Bonded Glass wool 24 kg/m ³ 50 mm thick	sqm	11.00	143.00	1573.00
9999	Sundries including GL wire 20 SWg and Virgin polythene bags 200 gram	L.S.	52.00	2.00	104.00
	LABOUR				
0111	Carpenter 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries (screws and washers)	L.S.	20.00	2.00	40.00
	TOTAL				2365.00 W
	Add 1 % Water charges on "W"				23.65
	TOTAL				2388.65 X
	Add GST on "X" (multiplying factor 0.1405)				335.61
	TOTAL				2724.26 Y
	Add 15% CPOH on "Y"				408.64
	TOTAL				3132.89 Z
	Add Cess @ 1% on "Z"				31.33
	Cost of 10 sqm				3164.22
	Cost of 1 sqm				316.42
	Say				316.40

- 12.58** Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.
- 12.58.1** 8 mm thick fully perforated calcium silicate board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with minimum compressive strength 225 kg/ sq. cm, bending strength 100 kg/sq. cm , of size 595x595 mm, having perforation of dia. 10 mm with minimum perforated area 18 % with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.85, with 50 mm thick rockwool of 48 kg /cum backing.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 100 sqm Ceiling area = 100 sq.m Add wastage @ 5% = 0.05 Sqm Total =100.05 Sq.m MATERIALS :				
8784	8mm thick Calcium silicate perforated tiles of size 595 x595mm	sqm	100.05	833.00	83341.65
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	29.50	115.00	3392.50
8612	Perimeter wall angle 24x24x0.3mm (3 metre long)	each	13.50	80.00	1080.00
8613	Intermediate cross T-section 24x25x0.3mm (1.2 mtrs long)	each	147.00	35.00	5145.00
8614	Intermediate cross T-section 24x25x0.3mm (0.6 mtrs long)	each	147.00	17.00	2499.00
8615	Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
9977	Sundries	L.S.	89.28	2.00	178.56
9999	Sundries i.e scaffolding etc.	L.S.	187.95	2.00	375.90
	LABOUR :				
0111	Carpenter 1st class	day	28.00	738.00	20664.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	23.00	558.00	12834.00
	TOTAL				131526.61 W
	Add 1 % Water charges on "W"				1315.27
	TOTAL				132841.88 X
	Add GST on "X" (multiplying factor 0.1405)				18664.28
	TOTAL				151506.16 Y
	Add 15% CPOH on "Y"				22725.92
	TOTAL				174232.08 Z
	Add Cess @ 1% on "Z"				1742.32
	Cost of 100 sqm.				175974.40
	Cost of 1 sqm.				1759.74
	Say				1759.75

- 12.59 Providing & fixing false ceiling at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I chanel 45 x15 x 0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, including fixing of Calcium Silicate Board to ceiling section and perimeter channels with the help of dry wall screws of size 3.5 x25mm at 230mm c/c, including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes, finishing with jointing compounds in three layers covering up to 150mm on both sides of joints and two coats of primer suitable for boards, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in charge but excluding the cost of painting with:**

- 12.59.1 8 mm thick Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10.8 m x 9.6m = 103.68sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIALS: Area = 103.68 sq.m + Add. Wastage of 5% = 5.18 Sq.m Total = 108.86 Sqm MATERIALS :				
8699	8 mm thick tapered edge calcium silicate board	sqm	108.86	265.00	28847.90
7010	G.I Ceiling Section (80 x 26mm x 26mm x 10.5mm each lip x 0.55 mm)	metre	238.14	46.00	10954.44
7011	Galvanised Steel perimeter Channel (Size 20x27x30x0.50mm)	metre	41.84	22.00	920.48
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	38.00	3447.36
7013	Galvanised Steel angle hanger (Ceiling angle) (Size 25x10x0.50mm)	metre	10.80	12.00	129.60
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	21.60	38.00	820.80
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7020	All drive screws (for gypsum board)	100 Nos	10.00	58.00	580.00
7016	Joint filler	kilogram	22.81	26.00	593.06
7017	Joint finisher	kilogram	34.21	23.00	786.83
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	11.00	792.00
7018	Joint Tape roll (120mm Roll)	roll	1.27	100.00	127.00
7021	Primer (for gypsum board// calcium silicate board)	litre	18.66	85.00	1586.10
9977	Carriage	L.S.	447.20	2.00	894.40
9999	Sundries i.e rawl plug, scaffolding etc.	L.S.	807.30	2.00	1614.60
	LABOUR :				
0112	Carpenter 2nd class	day	31.10	679.00	21116.90
0114	Beldar	day	31.10	558.00	17353.80
0131	Painter	day	10.37	679.00	7041.23
	TOTAL				98650.50 W
	Add 1 % Water charges on "W"				986.51
	TOTAL				99637.01 X
	Add GST on "X" (multiplying factor 0.1405)				13999.00
	TOTAL				113636.00 Y
	Add 15% CPOH on "Y"				17045.40
	TOTAL				130681.40 Z
	Add Cess @ 1% on "Z"				1306.81
	Cost of 103.68 sqm.				131988.22
	Cost of 1 sqm.				1273.03
	Say				1273.05

12.60 Providing and fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Rockwool conforming to IS: 8183, density 48 kg/ m³, 50 mm thick, wrapped in 200 G Virgin Polythene bags fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5mm x 24 gauge wire mesh, for top most ceiling of building.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm Area for 10.00 sqm. (Finished surface)=10.00sqm.+ Add 10% for overlappings &wastage= 1.00sqm. Total= 11.00sqm				
7273	Resin Bonded Rockwool 48 kg/m ³	sqm	11.00	120.00	1320.00
9999	Sundries including GI wire 20 SWG and polythene bags 200gms	L.S.	104.00	2.00	208.00
9999	GI chicken mesh 12.5mm x 24 SWG	L.S.	351.00	2.00	702.00
	LABOUR				
0111	Carpenter 1st class	day	1.00	738.00	738.00
0114	Beldar	day	2.00	558.00	1116.00
	TOTAL				4084.00 W
	Add 1 % Water charges on "W"				40.84
	TOTAL				4124.84 X
	Add GST on "X" (multiplying factor 0.1405)				579.54
	TOTAL				4704.38 Y
	Add 15% CPOH on "Y"				705.66
	TOTAL				5410.04 Z
	Add Cess @ 1% on "Z"				54.10
	Cost of 10 sqm.				5464.14
	Cost of 1 sqm.				546.41
	Say				546.40

12.61 Providing and fixing thermal insulation with Resin bonded rock wool conforming to IS: 8183, density 48 kg/m³, 50 mm thick, wrapped in 200 G virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm Area for 10.00sqm. (Finished surface)=10.00sqm.+ Add 10% for overlappings &wastage= 1.00sqm. Total= 11.00sqm				
7273	Resin Bonded Rockwool 48 kg/m ³	sqm	11.00	120.00	1320.00
9999	Sundries including GI wire 20 SWG and polythene bags 200gms	L.S.	52.00	2.00	104.00
	LABOUR				
0111	Carpenter 1st class	day	0.50	738.00	369.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.50	558.00	279.00
	TOTAL				2072.00 W
	Add 1 % Water charges on "W"				20.72
	TOTAL				2092.72 X
	Add GST on "X" (multiplying factor 0.1405)				294.03
	TOTAL				2386.75 Y
	Add 15% CPOH on "Y"				358.01
	TOTAL				2744.76 Z
	Add Cess @ 1% on "Z"				27.45
	Cost of 10 sqm				2772.21
	Cost of 1 sqm				277.22
	Say				277.20

12.62 Providing and fixing thermal insulation with Resin Bonded rock wool conforming to IS: 8183, having density 48 kg/m³, 50 mm thick, wrapped in 200 G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held and in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm Area for 10.00sqm. (Finished surface)=10.00sqm.+ Add 10% for overlappings & wastage= 1.00sqm. Total= 11.00sqm				
7273	Resin Bonded Rockwool 48 kg/m ³	sqm	11.00	120.00	1320.00
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram and Carriage	L.S.	52.00	2.00	104.00
	LABOUR				
0111	Carpenter 1st class	day	0.50	738.00	369.00
0114	Beldar	day	0.50	558.00	279.00
9999	Sundries (screws & washers)	L.S.	20.00	2.00	40.00
	TOTAL				2112.00 W
	Add 1 % Water charges on "W"				21.12
	TOTAL				2133.12 X
	Add GST on "X" (multiplying factor 0.1405)				299.70
	TOTAL				2432.82 Y
	Add 15% CPOH on "Y"				364.92
	TOTAL				2797.75 Z
	Add Cess @ 1% on "Z"				27.98
	Cost of 10 sqm				2825.72
	Cost of 1 sqm				282.57
	Say				282.55

12.63 Providing and applying two coats of High Albedo paint having minimum Solar Reflective Index (SRI) 108 (with solar reflectance & thermal emittance tested as per ASTM) C 1549 and ASTM C 1371 respectively), VOC less than 10 cc/gm. The coating thickness and the methodology of application shall strictly as per manufacturer's specifications and as approved by Engineer-in-Charge. Surface preparation includes cleaning with metal wire brush to remove all dust, fungus etc., washing with water all complete. The contractor shall give guarantee for the performance of SRI and also the durability of coating, all complete as per direction of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 Sqm.				
	MATERIALS :				
7238	High Albedo paint	kg	7.17	230.00	1649.10
9977	Carriage of paint	L.S.	4.53	2.00	9.06
	LABOUR :				
0114	Beldar (for cleanign the surface)	day	0.54	558.00	301.32
0131	Painter	day	0.54	679.00	366.66
9999	Sundries (Brushes & T&P etc.	L.S.	13.52	2.00	27.04
	TOTAL				2353.18 W
	Add 1 % Water charges on "W"				23.53
	TOTAL				2376.71 X
	Add GST on "X" (multiplying factor 0.1405)				333.93
	TOTAL				2710.64 Y
	Add 15% CPOH on "Y"				406.60
	TOTAL				3117.24 Z
	Add Cess @ 1% on "Z"				31.17
	Cost of 10 Sqm.				3148.41
	Cost of 1 Sqm.				314.84
	Say				314.85



Government of India
Ministry of Housing & Urban Affairs
Central Public Works Department
www.cpwd.gov.in

Available at: JAIN BOOK AGENCY (CENTRAL)
4574/15, 2nd Floor, Padamchand Marg, Near Happy School, Daryaganj, New Delhi-110002
Phone : 011-43513689, 43513570 Mob: 9667274446, 9810666810
E-mail: thakur@jainbookagency.com

