



भारत सरकार
GOVERNMENT OF INDIA



केंद्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

दिल्ली दर अनुसूची
(भाग-1)

DELHI SCHEDULE OF RATES
(Vol-1)

2018

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



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PRABHAKAR SINGH
Director General



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FOREWORD

Delhi Schedule of Rates, being published by Central Public Works Department from time to time, is a comprehensive and useful Technical Document in execution of Civil Construction Works. Apart from CPWD, this Schedule of Rates is used as a guide by many Departments, Institutions, Public Sector Undertakings, Architects, Builders and Contractors etc.

CPWD Schedule of Rates was first published in the year 1931, followed by a number of revisions/publications from time to time in order to bring it in line with the prevailing materials, technologies and market rates. Delhi Schedule of Rates were revised and issued in subsequent years viz 1977, 1981, 1985, 1989, 1993, 1997, 2002, 2007, 2010 (Reprint), 2012, 2013, 2014 & 2016.

Last Delhi Schedule of Rates was published in the year 2016. Revision of this DSR has become necessary due to change in wages of labour & price of materials, adoption of new construction technologies & materials as well as implementation of GST. These components have been incorporated in the DSR 2018 by revising DSR 2016.

I wish to place on record the technical input and 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 the 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 the DSR-2018 in a short time.

I am sure that Delhi Schedule of Rates 2018 will be quite useful to all concerned Engineers & Architects in Building Construction Industry in general and CPWD in particular.

Place: New Delhi
Date: December 14, 2018


(PRABHAKAR SINGH)
Director General



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. DSR i.e. Delhi Schedule of Rates-2018 includes the existing items of DSR 2016 with deletion of few items not in practice, merger of similar items and addition of new items in line with emerging trends in construction Industry.
2. DSR-2018 is based on the prevailing market rates of materials in Delhi as on 01.10.2018. The labour rates adopted are as per minimum wages applicable w.e.f 01.10.2018 issued by Govt. of Delhi/ Govt. of India, whichever is higher.
3. The cost index for DSR 2018 is **118** with reference to CPWD Plinth Area Rates 2012, having base 100 as on 01.10.2012.
4. **The technical sanctioning authority may decide rates of non-schedule items judiciously based on market rates without adding cost index.**
5. This DSR - 2018 shall be read along with CPWD specifications 2009 Vol.-I & II with up to date Correction Slips.
6. Following are the Salient Features of DSR- 2018:
 - 6.1 DSR-2018 is bilingual and in two volumes.
 - 6.1.1 The rates of basic materials incorporated in this DSR - 2018 are considered for the materials available in the market conforming to BIS Standards/ CPWD Specifications.
 - 6.1.2 The effect of GST on works contracts has been incorporated in all the items.

Salient Modifications and Changes in Sub Heads:

- 7.1 **Earth work:** Item No. 2.25(a) Excavating, supplying and filling of local earth by mechanical transport up to a lead of 5km has been added.
- 7.2 **Reinforced Cement Concrete:** Item No. 5.22B & 5.22C Steel Reinforcement for R.C.C work ready to use “Cut bend” rebars have been added. Nomenclature of item no.5.9 modified. Item no.5.50 to 5.57 shifted to sub head 26 i.e. New Technologies & Materials (26.73 to 26.80).

- 7.3 Brick Work:** Sub head 6- Brick work has been renamed as Masonry work.
- 7.4 Marble & Granite work:** Sub head 8- Marble & Granite work has been renamed as Cladding work and all the cladding items have been shifted in this sub head from other Sub heads i.e. 7.0, 9.0, 11.0 & 25.0.
- 7.5 Wood and PVC Work:** The amendments have been made in nomenclature of Item Nos. 9.138, 9.163 & 9.164.
- 7.6 Roofing:** The amendments have been made in nomenclatures of item Nos. 12.8 to 12.10 and 12.12 to 12.13.
- 7.7 Finishing:** Item No.13.48A for finishing walls with 100% Premium Acrylic Emulsion paint having VOC less than 50gm/litre and UV resistance as IS: 15489:2004 has been added.
- 7.8 Road Work:** The nomenclature of Item No.16.81 'Providing and erecting 2.00 metre temporary barricading at site' has been modified.
- 7.9 Water Supply:** Items Nos. 18.4, 18.5, 18.6 & 18.6A for Polypropylene Random Copolymer (PP-R-C) pipes have been added.
- 7.10 Structural Glazing Aluminum Panel:** The nomenclature of item No. 25.3 has been modified.
- 7.11 Item No. 26.20 & 26.21** have been shifted to sub head 14.0

8.0 New Technologies and Materials

With a view to give boost to make in India initiative of the Government, new technology items have been added in New Technologies and Materials sub Head. These new items are included for a period of two years and then performance shall be reviewed. Following are the items added under this sub head:


- 8.1 Bamboo mat corrugated sheet (BMCS), Bamboo mat ridge cap (BMRC), false ceiling of Phenol Bamboo mat board, wall paneling with Phenol bonded Bamboo mat board (item no.26.6 a to e).
- 8.2 EPS cement sandwich light weight solid core panels (item no.26.49).
- 8.3 Non Asbestos fibre reinforced aerated sandwich wall/roof/floor light weight solid core panels (item no.26.50).
- 8.4 GFRG items (item no.26.51 to 26.61)
- 8.5 Speed floor system (Item no.26.62 to 26.64).
- 8.6 Factory made fast track modular system (Item no.26.65 to 26.66)

- 8.7 External thermal insulation in composite system (Item no.26.67)
- 8.8 Precast solid cement concrete blocks and paver blocks made of C & D waste (Item no.26.68 to 26.72)
- 8.9 Prefab/Precast technology (Item no.26.73 to 26.80)
- 8.10 Scaffolding net (Item no. 26.81)
- 9.0 Lot of efforts has gone into the preparation of this Delhi Schedule of Rates. 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 Sanjay Singh AD, (OL) and his team for hindi translation of DSR- 2018, Shri Yogendra Pal Singh Yadav, Dy. Architect, O/o ADG (Arch.), Shri Gaurav Sarswat Asstt. Architect, O/o ADG (Arch.) for Graphic designing of DSR 2018 and other officers and staff of CSQ unit whose names are not mentioned here, for their 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.

- 10.0 Although due care has been taken to print the DSR- 2018 as correctly as possible, there is possibility that some errors might have crept in inadvertently. In case, any error or omission is noticed, it may be brought to the notice of Superintending Engineer (TAS), CPWD, Room no. 418, ' A', Nirman Bhawan, New Delhi – 110011 (Tele fax. 011-23062339).

And suggestions for improvement are always welcome.



(Dr K M SONI)
ADG (TD) CPWD

Note: - In case of any discrepancy between English and Hindi versions, the English version shall be held valid.

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DELHI SCHEDULE OF RATES

(Vol. 1)

दिल्ली दर अनुसूची

(भाग - 1)

2018

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
<p>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.</p>			
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 mmweighing 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 conforming to EOTA ETAG 004 (European Technical Approval)	kg	34.00
1253	Polypropylene mechanical fastener with plastic pin conforming 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 conforming 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 board 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 perimetre Channel (Size 20x27x30x0.50 mm)	metre	22.00
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90 mm)	metre	38.00
7013	Galvanised Steel angle hanger (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 conforming 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 prelaminate 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 prelaminate three layer particle board	sqm	900.00
7273	Resin Bonded Rockwool 48 kg/m ³	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 conforming 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 prelamated 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	Allignment Pipe - 3.00 Mtr.	each	995.00
8047	Allignment 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/sliting 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 shuttere 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/ m ²) 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) cresent 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 overlaid 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

BASIC RATES (SH: 1.0 CARRIAGE OF MATERIALS)

Code No.	Description	Unit	Rate ₹
0084	Hire charges of diesel truck - 9 tonne (witout POL)	day	1500.00
0114	Beldar	day	558.00
0115	Coolie	day	558.00
0128	Mate	day	617.00
1235	Diesel	litre	73.50
5001	Mobil oil	litre	315.00
9999	Sundries	L.S.	2.00

1.0 CARRIAGE OF MATERIALS

Note:- These rates are inclusive of Contractor's profit and over heads but exclusive of GST

1.1 By Mechanical Transport including loading,unloading and stacking

Item Code	Materials	Unit	Rate i/c 15% CP & OH								Remarks
			1 km	2 km	3 km	4 km	5 km	Beyond 5 km upto 10 km per km	Beyond 10 km upto 20 km per km	Beyond 20 km per addl. km	
1	2	3	4	5	6	7	8	9	10	11	12
1.1.1	Lime, moorum, building rubbish	cum	104.94	119.54	134.00	147.91	161.46	12.16	10.11	8.35	The rates will be applicable to net quantities after deduction of prescribed percentage for voids mentioned in the specification under sub-head "Carriage of Materials"
1.1.2	Earth	cum	131.17	149.43	167.50	184.89	201.83	15.20	12.63	10.44	
1.1.3	Manure or sludge	cum	114.06	129.94	145.65	160.78	175.50	13.22	10.99	9.08	
1.1.4	Excavated rock	cum	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	cum	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	cum	114.06	129.94	145.65	160.78	175.50	13.22	10.99	9.08	
1.1.7	Soling stone	cum	123.46	140.64	157.64	174.02	189.96	14.31	11.89	9.82	
1.1.8	Bricks	1000 Nos.	279.83	318.78	357.32	394.44	430.57	32.43	26.95	22.26	
1.1.9	Brick Tiles	1000 Nos.	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	tonne	93.28	106.26	119.11	131.48	143.52	10.81	8.98	7.42	

Item Code	Materials	Unit	Rate i/c 15% CP & OH								Remarks
			1 km	2 km	3 km	4 km	5 km	Beyond 5 km upto 10 km per km	Beyond 10 km upto 20 km per km	Beyond 20 km per addl. km	
1	2	3	4	5	6	7	8	9	10	11	12
1.1.11	Steel	tonne	93.28	106.26	119.11	131.48	143.52	10.81	8.98	7.42	
1.1.12	Timber	cum	119.93	136.62	153.14	169.05	184.53	13.90	11.55	9.54	
1.1.13	Tar Bitumen	tonne	104.94	119.54	134.00	147.91	161.46	12.16	10.11	8.35	
1.1.14	Solvent, diesel	qtl	10.49	11.95	13.40	14.79	16.15	1.22	1.01	0.83	
1.1.15	Steam coal	tonne	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	100 m	139.92	159.39	178.66	197.22	215.29	16.22	13.48	11.13	
1.1.16.2	150 mm dia	100 m	279.83	318.78	357.32	394.44	430.57	32.43	26.95	22.26	
1.1.16.3	200 mm dia	100 m	466.39	531.30	595.54	657.40	717.62	54.06	44.92	37.11	
1.1.16.5	250 mm dia	100 m	799.52	910.80	1020.93	1126.97	1230.20	92.67	77.01	63.61	
1.1.16.6	300 mm dia	100 m	999.40	1138.50	1276.16	1408.71	1537.76	115.84	96.26	79.51	
1.1.16.7	350 mm dia	100 m	1399.17	1593.90	1786.62	1972.19	2152.86	162.17	134.76	111.32	
1.1.16.8	400 mm dia	100 m	1998.81	2277.00	2552.32	2817.42	3075.51	231.67	192.52	159.03	
1.1.16.9	450 mm dia	100 m	2543.94	2898.00	3248.40	3585.80	3914.29	294.85	245.02	202.40	
1.1.16.10	500 mm dia	100 m	2798.33	3187.80	3573.24	3944.39	4305.72	324.34	269.52	222.64	
1.1.16.11	600 mm dia	100 m	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										

Item Code	Materials	Unit	Rate i/c 15% CP & OH								Remarks
			1 km	2 km	3 km	4 km	5 km	Beyond 5 km upto 10 km per km	Beyond 10 km upto 20 km per km	Beyond 20 km per addl. km	
1	2	3	4	5	6	7	8	9	10	11	12
1.1.17.1	100 mm dia	100 m	229.37	261.30	292.89	323.31	352.93	26.59	22.09	18.25	
1.1.17.2	125 mm dia	100 m	306.39	349.03	391.23	431.87	471.43	35.51	29.51	24.38	
1.1.17.3	150 mm dia	100 m	382.29	435.49	488.15	538.85	588.21	44.31	36.82	30.42	
1.1.17.4	200 mm dia	100 m	621.85	708.40	794.05	876.53	956.83	72.08	59.89	49.48	
1.1.17.5	250 mm dia	100 m	883.68	1006.67	1128.39	1245.60	1359.70	102.42	85.11	70.31	
1.1.17.6	300 mm dia	100 m	1092.25	1244.26	1394.71	1539.57	1680.61	126.60	105.20	86.90	
1.1.17.7	350 mm dia	100 m	1529.14	1741.97	1952.59	2155.40	2352.85	177.23	147.28	121.66	
1.1.17.8	400 mm dia	100 m	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	100 m	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	100 m	3822.86	4354.92	4881.48	5388.50	5882.12	443.09	368.20	304.15	
1.1.17.11	900 mm dia	100 m	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	100 m	7645.72	8709.84	9762.96	10777.01	11764.25	886.17	736.40	608.31	

Code No.	Description	Unit	Rate ₹
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.	cum	284.60

1.0 CARRIAGE OF MATERIALS

Note:- These rates are inclusive of Contractor's profit and over heads but exclusive of GST

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

Code No.	Material	Unit	Cost of carriage including loading, unloading & stacking for first 50 metres (₹)	Every additional lead of 50 metre or part thereof beyond 1 st 50 metre upto 9 such additional lead (₹)	Remarks
1	2	3	4	5	6
1.2.1	Lime, moorum, building rubbish	cum	140.62	30.62	The rates will be applicable to net quantities after deduction of prescribed percentage for voids mentioned in the specification under sub-head "Carriage of Materials"
1.2.2	Earth	cum	175.78	38.27	
1.2.3	Manure or sludge	cum	152.85	33.28	
1.2.4	Excavated rock	cum	281.25	61.24	
1.2.5	Sand, stone aggregate below 40 mm nominal size	cum	175.78	38.27	
1.2.6	Stone aggregate 40 mm nominal size and above	cum	190.03	41.38	
1.2.7	Soling stone	cum	206.80	45.03	
1.2.8	Bricks	1000 Nos	328.12	71.44	
1.2.9	Brick Tiles	1000 Nos	205.08	44.65	
1.2.10	Steam Coal	tonne	164.06	35.72	
1.2.11	Stone blocks, G.I., C.I. Stainless Steel pipes below 100 mm dia and other heavy material	tonne	128.34	18.83	
1.2.12	Cement	tonne	101.80	14.94	
1.2.13	Steel	tonne	218.65	32.09	
1.2.14	Timber	cum	140.56	20.63	
1.2.15	Tar, bitumen etc.	tonne	128.34	18.83	
1.2.16	S.W. pipe				The length of S.W. pipes will be measured exclusive of the internal depth of sockets.
1.2.16.1	100 mm dia	100 m	256.90	37.70	
1.2.16.2	150 mm dia	100 m	422.29	61.97	
1.2.16.3	200 mm dia	100 m	590.95	86.72	
1.2.16.5	250 mm dia	100 m	983.94	144.38	

1	2	3	4	5	6
1.2.16.6	300 mm dia	100 m	1405.63	206.26	
1.2.16.7	350 mm dia	100 m	1967.88	288.77	
1.2.16.8	400 mm dia	100 m	2459.85	360.96	
1.2.16.9	450 mm dia	100 m	2981.64	437.52	
1.2.16.10	500 mm dia	100 m	3644.22	534.75	
1.2.16.11	600 mm dia	100 m	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	100 m	346.86	50.90	The length of the flanged or plain ended concrete, R.C.C. pipes, Steel cylinders, R.C. pipes and C.I. pipes shall be measured overall. The length of socketed pipes shall be measured exclusive of internal depth of sockets.
1.2.17.2	125 mm dia	100 m	424.42	62.28	
1.2.17.3	150 mm dia	100 m	488.71	71.71	
1.2.17.4	200 mm dia	100 m	733.37	107.61	
1.2.17.5	250 mm dia	100 m	1289.00	189.15	
1.2.17.6	300 mm dia	100 m	1613.02	236.69	
1.2.17.7	350 mm dia	100 m	2306.11	338.40	
1.2.17.8	400 mm dia	100 m	2683.47	393.77	
1.2.17.9	450 mm & 500 mm dia	100 m	3577.96	525.03	
1.2.17.10	600, 700, 750 & 800 mm dia	100 m	3935.76	577.53	

Code No.	Description	Unit	Rate ₹	Remarks
1	2	3	4	5
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.	tonne	104.90	
1.4	Loading in or unloading from the railway wagons as per direction of Engineer-in-charge :			
1.4.1	Steel	tonne	155.45	The rates will be applicable in all cases whether materials are unloaded or loaded from Railway siding or directly unloaded on or loaded from transport.
1.4.2	G.I., C.I., R.C.C. or C.C. pipes upto 500 mm dia and similar heavy materials	tonne	92.20	
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.	tonne	165.15	No deduction shall be from carriage rates for direct unloading or loading.

SUB HEAD : 2.0

EARTH WORK

BASIC RATES (SH: 2.0 EARTH WORK)

Code No.	Description	Unit	Rate ₹
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	3000.00
0017	Hire and running charges of tipper	day	1700.00
0018	Hire and running charges of loader	day	5000.00
0020	Hydraulic Excavator (3D) with driver and fuel	day	7000.00
0101	Bhisti	day	617.00
0103	Blacksmith 2nd class	day	679.00
0112	Carpenter 2nd class	day	679.00
0113	Chowkidar	day	558.00
0114	Beldar	day	558.00
0115	Coolie	day	558.00
0124	Mason (brick layer) 2nd class	day	679.00
0128	Mate	day	617.00
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
0302	Safeda ballies 125 mm diameter	metre	40.00
0325	Blasting powder	kg	40.00
0326	Blasting fuse (fuse wire)	each	15.00
0771	Kerosene oil	litre	50.00
1197	Second class kail wood in scantling	10 cudm	260.00
1198	Second class kail wood in planks	10 cudm	260.00
1235	Diesel	litre	73.50
1980	Fly ash	cum	10.00
2204	Carriage of Timber	cum	118.59
2262	Carriage of Flyash	cum	103.77
2335	Carriage of sand	cum	103.77
2342	Carriage of Solvent / Diesel.	quintal	10.38
6501	Sand zone V (Jamuna)	cum	1225.00
7022	Chlorpyriphos 20% E.C. / Lindane 20% E.C.	litre	150.00
9999	Sundries	L.S.	2.00

2.0 EARTH WORK

Code No.	Description	Unit	Rate ₹
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	sqm	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	cum	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	cum	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.	cum	4.30
2.5	Deduct for not watering the excavated earth for banking	cum	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	cum	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	cum	352.45
2.7.2	Hard rock (requiring blasting)	cum	609.65
2.7.3	Hard rock (blasting prohibited)	cum	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.	cum	252.30

Code No.	Description	Unit	Rate ₹
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	cum	448.15
2.9.2	Hard rock (requiring blasting)	cum	729.00
2.9.3	Hard rock (blasting prohibited)	cum	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.	metre	223.00
2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	metre	364.20
2.10.1.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	metre	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).	metre	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.)	metre	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	metre	323.85
2.13.1.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	metre	801.85
2.13.1.3	Pipes, cables exceeding 300 mm dia but not exceeding 600 mm dia	metre	922.65
2.13.2	Hard rock (requiring blasting)		
2.13.2.1	Pipes, cables etc. not exceeding 80 mm dia	metre	458.60
2.13.2.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	metre	1135.60
2.13.2.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm dia	metre	1306.60

Code No.	Description	Unit	Rate ₹
2.13.3	Hard rock (blasting prohibited)		
2.13.3.1	Pipes, cables etc. not exceeding 80 mm dia	metre	624.70
2.13.3.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	metre	1546.90
2.13.3.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm dia	metre	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)	metre	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)	metre	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	sqm	129.95
2.16.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	141.20
2.16.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	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	sqm	138.45
2.17.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	162.55
2.17.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	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	sqm	116.25
2.18.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	129.75
2.18.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	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).	sqm	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	sqm	67.00
2.20.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	74.05
2.20.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	85.70

Code No.	Description	Unit	Rate ₹
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	sqm	60.30
2.21.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	71.60
2.21.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	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	sqm	40.90
2.22.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	48.45
2.22.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	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).	sqm	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	metre depth	20%
2.24.2	In or under foul position, including pumping out water as required	metre depth	25%
	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.	cum	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.	cum	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	cum	90.40
2.26.2	Ordinary or hard rock	cum	162.10
2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	1953.05

Code No.	Description	Unit	Rate ₹
2.28	Surface dressing of the ground including removing vegetation and inequalities 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	sqm	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	sqm	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	each	79.30
2.30.2	Ordinary rock	each	138.05
2.30.3	Hard rock (requiring blasting)	each	222.30
2.30.4	Hard rock (blasting prohibited)	each	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.	sqm	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.	sqm	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	each	380.60
2.33.2	Beyond 60 cm girth upto and including 120 cm girth	each	1694.40
2.33.3	Beyond 120 cm girth upto and including 240 cm girth	each	7860.55
2.33.4	Above 240 cm girth	each	15749.95
2.34	Supplying chemical emulsion in sealed containers including delivery as specified.		
2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	litre	200.85
2.35	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :		
2.35.1	Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:		
2.35.1.1	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	metre	28.25

Code No.	Description	Unit	Rate ₹
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	metre	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 Chlorpyrifos/Lindane E.C. 20% with 1% concentration	sqm	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	metre	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.	metre	254.00
2.36	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	cum	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).	cum	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.	cum	219.65

SUB HEAD : 3.0

MORTAR

BASIC RATES (SH : 3.0 MORTAR)

Code No.	Description	Unit	Rate ₹
0101	Bhisti	day	617.00
0114	Beldar	day	558.00
0367	Portland Cement (OPC-43 Grade)	tonne	4940.00
0368	White Cement	tonne	11200.00
0773	Unslaked lime	quintal	300.00
0784	Marble dust/ powder	cum	1130.00
0811	Mud (dry)	cum	165.00
0982	Coarse sand (zone III)	cum	1350.00
0983	Fine sand (zone IV)	cum	900.00
1159	Stone dust	cum	1100.00
1182	Surkhi	cum	700.00
2203	Carriage of Coarse sand	cum	103.77
2208	Carriage of Lime	cum	103.77
2209	Carriage of Cement	tonne	92.24
2261	Carriage of Fine sand (1 Part badarpur sand : 2 Parts Jamuna sand)	cum	103.77
2267	Carriage of Stone dust	cum	103.77
2268	Carriage of Marble dust and/or marble chips	cum	103.77
9999	Sundries	L.S.	2.00

3.0 MORTAR

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

Code No.	Description	Unit	Rate ₹
3.1	Cement mortar 1:1 (1 cement : 1 fine sand)	cum	6390.60
3.2	Cement mortar 1:2 (1 cement : 2 fine sand).	cum	4918.05
3.3	Cement mortar 1:3 (1 cement : 3 fine sand).	cum	4183.05
3.4	Cement mortar 1:4 (1 cement : 4 fine sand).	cum	3528.85
3.5	Cement mortar 1:5 (1 cement : 5 fine sand).	cum	3176.60
3.6	Cement mortar 1:6 (1 cement : 6 fine sand).	cum	2874.65
3.7	Cement mortar 1:2 (1 cement : 2 coarse sand).	cum	5345.55
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand).	cum	4664.55
3.9	Cement mortar 1:4 (1 cement : 4 coarse sand).	cum	4010.35
3.10	Cement mortar 1:5 (1 cement : 5 coarse sand).	cum	3658.10
3.11	Cement mortar 1:6 (1 cement : 6 coarse sand).	cum	3356.15
3.12	Cement mortar 1:2 (1 cement : 2 stone dust).	cum	5108.05
3.13	Cement mortar 1:2 (1 cement : 2 marble dust).	cum	5136.55
3.14	Cement mortar 1:5 (1 cement : 5 marble dust).	cum	3422.70
3.15	White cement mortar 1:2 (1 white cement : 2 marble dust).	cum	9393.35
3.16	White cement mortar 1:3 (1 white cement : 3 marble dust).	cum	7621.75
3.17	White cement mortar 1:5 (1 white cement : 5 marble dust).	cum	5363.30
3.18	Mud mortar	cum	737.00
3.19	Mortar in lime, surkhi (50% red and 50% light yellow) and marble dust 1:1.5:0.5	cum	2821.15

SUB HEAD : 4.0

CONCRETE WORK

BASIC RATES (SH: 4.0 CONCRETE WORK)

Code No.	Description	Unit	Rate ₹
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	800.00
0004	Production cost of concrete by batch mix plant	cum	350.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	210.00
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	700.00
0012	Vibrator (Needle type 40 mm)	day	370.00
0029	Carriage of concrete by transit mixer	km/cum	30.00
0101	Bhisti	day	617.00
0114	Beldar	day	558.00
0115	Coolie	day	558.00
0116	Fitter (grade 1)	day	738.00
0123	Mason (brick layer) 1st class	day	738.00
0124	Mason (brick layer) 2nd class	day	679.00
0131	Painter	day	679.00
0155	Mason (average)	day	709.00
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	650.00
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	1300.00
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
0309	Paving bitumen of grade VG-10 of approved quality	tonne	25614.00
0367	Portland Cement (OPC-43 Grade)	tonne	4940.00
0370	Coal (steam)	quintal	440.00
0771	Kerosene oil	litre	50.00
0982	Coarse sand (zone III)	cum	1350.00
0983	Fine sand (zone IV)	cum	900.00
1213	Water proofing materials	kilogram	35.00
1980	Fly ash	cum	10.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	103.77
2203	Carriage of Coarse sand	cum	103.77
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	112.79
2209	Carriage of Cement	tonne	92.24

Code No.	Description	Unit	Rate ₹
2211	Carriage of Tar / Bitumen	tonne	103.77
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
7318	Plasticizer / super plasticizer	kg	36.00
7319	Wall form panel 1250x500 mm	each	860.00
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
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
9977	Carriage	L.S.	2.00
9988	Carriage and sundries	L.S.	2.00
9999	Sundries	L.S.	2.00

4.0 CONCRETE WORK

Code No.	Description	Unit	Rate ₹
CEMENT CONCRETE (CAST IN SITU)			
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)	cum	7210.55
4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	cum	6788.60
4.1.4	1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size)	cum	6680.20
4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	cum	6259.10
4.1.6	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 40 mm nominal size)	cum	6126.25
4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	cum	5789.60
4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) : 10 graded stone aggregate 40 mm nominal size)	cum	5520.30
4.1.11	1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size)	cum	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)	cum	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)	cum	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).	cum	8976.45
4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	cum	8554.50
4.2.5	1:3:6 (1 cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	cum	8025.00
4.2.8	1:5:10 (1 cement : 5 coarse sand (zone-III) : 10 graded stone aggregate 40 mm nominal size).	cum	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	sqm	284.85

Code No.	Description	Unit	Rate ₹
4.3.2	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	sqm	609.30
4.3.3	Columns, piers, abutments, pillars, posts and struts	sqm	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)	cum	7210.55
CEMENT CONCRETE PRECAST			
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)	cum	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).	cum	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).	cum	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) .	cum	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.	each	723.05
DAMP-PROOF COURSE			
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)	sqm	347.90

Code No.	Description	Unit	Rate ₹
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).	sqm	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.	per 50kg cement	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.	sqm	110.00
MISCELLANEOUS			
4.14	Extra for concrete work in superstructure above floor V level for each four floors or part thereof.	cum	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.	cum per metre depth	794.65
	Note for item No. 4.15 :- The quantity will be calculated by multiplying the depth measured from the sub-soil water level up to centre of gravity of concrete under sub-soil water level with quantity of concrete in cum executed under sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1m. 0.05m or more shall be taken as 0.1m and less than 0.05m ignored.		
4.16	Extra for laying concrete in or under foul positions.	cum	336.55
4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone - III) : 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.	sqm	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.	per bag of 50kg of cement	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.		

Code No.	Description	Unit	Rate ₹
4.19.1	All works upto plinth level:		
4.19.1.1	M-15 grade plain cement concrete (cement content considered @ 240 kg/cum)	cum	7738.20
4.19.1.2	M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)	cum	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)	cum	8860.80
4.19.2.2	M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)	cum	8721.30
	Note :- The above item shall be used judiciously where specified quality of Fly Ash is available for mixing in concrete. Also, the guidelines issued by CDO, CPWD, vide circular no. CDO/SE(RR)/Fly Ash (Main)/102 dated 9th April 2009 shall be followed in such cases.		
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)	cum	7900.75
4.20.1.2	M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)	cum	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)	cum	9023.30
4.20.2.2	M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)	cum	8883.85

SUB HEAD : 5.0

**REINFORCED CEMENT
CONCRETE**

BASIC RATES (SH: 5.0 REINFORCED CEMENT CONCRETE)

Code No.	Description	Unit	Rate ₹
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	800.00
0004	Production cost of concrete by batch mix plant	cum	350.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	210.00
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	700.00
0012	Vibrator (Needle type 40 mm)	day	370.00
0025	Hire and running charges of light crane	day	3000.00
0026	Hire and running charges of bentonite pump	day	3500.00
0029	Carriage of concrete by transit mixer	km/cum	30.00
0052	Front end loader 1 cum bucket capacity (incl POL)	hour	900.00
0066	Batching and Mixing Plant @ 75 cum per hour	hour	2400.00
0070	Generator 100 KVA/125 KVA	hour	250.00
0082	Excavation of Diaphragm wall by Mechanical Grab	sqm	1300.00
0101	Bhisti	day	617.00
0102	Blacksmith 1st class	day	738.00
0103	Blacksmith 2nd class	day	679.00
0112	Carpenter 2nd class	day	679.00
0114	Beldar	day	558.00
0115	Coolie	day	558.00
0116	Fitter (grade 1)	day	738.00
0123	Mason (brick layer) 1st class	day	738.00
0124	Mason (brick layer) 2nd class	day	679.00
0126	Mason (for ornamental stone work) 1st class	day	738.00
0128	Mate	day	617.00
0131	Painter	day	679.00
0155	Mason (average)	day	709.00
0236	Multi purpose fibre (high impact poly propylene reinforced) cement board 6 mm thick	sqm	210.00
0242	6mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	195.00
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	1300.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1350.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1350.00
0302	Safeda ballies 125 mm diameter	metre	40.00
0309	Paving bitumen of grade VG-10 of approved quality	tonne	25614.00
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

Code No.	Description	Unit	Rate ₹
0316	Bitumen solution primer of approved quality	litre	45.00
0339	Flame retardant face insulating, Impregnated fibre board 12 mm thick	sqm	375.00
0349	Curing compound	litre	38.00
0367	Portland Cement (OPC-43 Grade)	tonne	4940.00
0370	Coal (steam)	quintal	440.00
0596	Bright finished or black enameled mild steel butt hinges 75x47x 1.70 mm	10 Nos	56.00
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	36.00
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
0967	Copper plate	kg	527.00
0982	Coarse sand (zone III)	cum	1350.00
0983	Fine sand (zone IV)	cum	900.00
0992	Galvanised steel plain sheets	quintal	5000.00
1004	Average rate of Mild steel round bars for reinforcement	quintal	4500.00
1005	Twisted steel/ deformed TMT bars Fe-500D	quintal	4600.00
1015	Mild steel expanded metal 20x60 mm strands 3.25 mm wide 1.60 mm thick	sqm	280.00
1021	Hard drawn steel wire fabric 75 x 25 mm mesh of weight not less than 7.75 kg/sqm	sqm	430.00
1034	Bolts and nuts up to 300 mm in length	quintal	4800.00
1197	Second class kail wood in scantling	10 cudm	260.00
1198	Second class kail wood in planks	10 cudm	260.00
1215	Welding by electric plant	cm	2.00
1224	Hard drawn steel wire	quintal	4800.00
1225	Mild steel flat strap fitting	quintal	4120.00
1980	Fly ash	cum	10.00
2200	Carriage of Steam coal	tonne	120.00
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
2209	Carriage of Cement	tonne	92.24
2211	Carriage of Tar / Bitumen	tonne	103.77
2261	Carriage of Fine sand (1 Part badarpur sand : 2 Parts Jamuna sand)	cum	103.77
2262	Carriage of Flyash	cum	103.77

Code No.	Description	Unit	Rate ₹
2273	Carriage of A.C.sheet and accessories	tonne	92.24
2302	Carriage of G.I. sheet and accessories	tonne	92.24
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
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
2447	Hollock ballies 125 mm diameter	metre	35.00
7183	Bentonite of 35 kg per pile	tonne	2960.00
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

Code No.	Description	Unit	Rate ₹
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
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
8647	Stainless steel screws 30 mm x4 mm	100 Nos	32.00
8659	Water proof ply 12 mm thick	sqm	517.00
8953	Micro Silica	kg	32.00
8954	Stop end tubes for diaphragm wall 600 mm dia.	sqm	4.50
8955	Driving end tubes for diaphragm wall 600 mm dia.	sqm	72.00
9977	Carriage	L.S.	2.00
9988	Carriage and sundries	L.S.	2.00
9999	Sundries	L.S.	2.00

5.0 REINFORCED CEMENT CONCRETE

Code No.	Description	Unit	Rate ₹
CAST IN SITU			
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)	cum	7718.25
5.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	cum	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)	cum	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).	cum	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).	cum	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).	cum	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).	cum	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).	cum	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).	cum	8550.25

Code No.	Description	Unit	Rate ₹
FORM WORK			
5.9	Centering and shuttering including strutting, propping etc. and removal of form for :		
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	284.85
5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	609.30
5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	693.05
5.9.4	Shelves (Cast in situ)	sqm	693.05
5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	552.05
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	733.70
5.9.7	Stairs, (excluding landings) except spiral-staircases	sqm	622.35
5.9.8	Spiral staircases (including landing)	sqm	600.00
5.9.9	Arches, domes, vaults up to 6 m span	sqm	1713.20
5.9.10	Extra for arches, domes, vaults exceeding 6 m span	sqm	560.65
5.9.11	Chimneys and shafts	sqm	609.30
5.9.12	Well steining	sqm	246.40
5.9.13	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	sqm	1023.55
5.9.14	Extra for shuttering in circular work (20% of respective centering and shuttering items)	sqm	20.00%
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	sqm	284.85
5.9.16	Edges of slabs and breaks in floors and walls		
5.9.16.1	Under 20 cm wide	metre	173.25
5.9.16.2	Above 20 cm wide	sqm	737.30
5.9.17	Cornices and mouldings	sqm	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	sqm	773.70
5.9.19	Weather shade, Chajjas, corbels etc., including edges	sqm	766.75
5.9.20	Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick	sqm	779.30
5.9.21	Lintels, beams, plinth beams, girders, bressumers and cantilevers with water proof ply 12 mm thick	sqm	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	each set	140.80
5.10.2	12 mm dia. & 150 mm length	each set	154.20

Code No.	Description	Unit	Rate ₹
5.10.3	20 mm dia. & 150 mm length	each set	166.25
5.10.4	20 mm dia. & 225 mm length	each set	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)	sqm	287.50
PRE-CAST RCC			
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).	cum	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).	cum	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).	cum	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)	cum	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 (1 cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	cum	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).	cum	9948.80

Code No.	Description	Unit	Rate ₹
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	sqm	1474.05
5.18.2	40 mm thick	sqm	1329.75
5.18.3	25 mm thick	sqm	1194.95
ENCASING ROLLED STEEL SECTION			
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.	cum	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.	cum	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.	sqm	443.95
STEEL REINFORCEMENT			
5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		
5.22.1	Mild steel and Medium Tensile steel bars	Kg	82.10
5.22.2	Hard drawn steel wire	Kg	85.60
5.22.3	Cold twisted bars	Kg	83.50
5.22.4	Hot rolled deformed bars	Kg	83.50
5.22.5	Hard drawn steel wire fabric	Kg	92.15
5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	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	Kg	82.10
5.22A.2	Hard drawn steel wire	Kg	85.60
5.22A.3	Cold twisted bars	Kg	83.50
5.22A.4	Hot rolled deformed bars	Kg	83.50
5.22A.5	Hard drawn steel wire fabric	Kg	92.15
5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	83.50

Code No.	Description	Unit	Rate ₹
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.	Kg	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.	Kg	77.65
MISCELLANEOUS			
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).	sqm	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.	sqm	125.10
5.25	Providing and fixing in position copper plate as per design for expansion joints.	Kg	728.20
5.26	Providing and filling in position, blown bitumen in expansion joints.	cum	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.	cum	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.	per cm depth per 100m	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	metre	190.50
	5.29.1.2 200mm wide	metre	256.25
	5.29.2 Aluminium fluted strips 3.15 mm thick.		
	5.29.2.1 150 mm wide	metre	493.40
	5.29.2.2 200 mm wide	metre	654.95
	5.29.3 Cement bonded wood particle board 6mm thick as per IS : 14276		
	5.29.3.1 150 mm wide	metre	187.35
	5.29.3.2 200 mm wide	metre	252.00
5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	metre	58.90

Code No.	Description	Unit	Rate ₹
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.	cum	794.65
	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.		
5.32	Extra for laying reinforced cement concrete in or under foul positions.	cum	336.55
	DESIGN MIX CONCRETE		
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	cum	7997.30
	5.33.2 All works above plinth level upto floor V level	cum	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)	cum	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)	cum	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)	cum	209.20
5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	quintal	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.	cum	25483.10

Code No.	Description	Unit	Rate ₹
5.37	<p>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.</p> <p>(Note :- Cement content considered in this item is @ 330 kg/cum.Excess/less cement used as per design mix is payable/recoverable separately).</p>		
	5.37.1 All works upto plinth level	cum	8398.65
	5.37.2 All works above plinth level upto floor V level	cum	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.	cum	280.95
5.40	<p>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.</p> <p>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.</p>		
	5.40.1 All works up to Plinth level.	cum	8365.80
	5.40.2 All works above plinth & up to floor V level.	cum	9769.35
	<p>Note :- The above item shall be used judiciously where specified quality of Fly Ash is available for mixing in concrete. Also, the guidelines issued by CDO, CPWD, vide circular no. CDO/SE(RR)/Fly Ash (Main)/102 dated 9th April 2009 shall be followed in such cases.</p>		
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	sqm	53.90

Code No.	Description	Unit	Rate ₹
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	each	97.80
5.42.2	Coupler for 20 mm diameter reinforcement bar	each	135.30
5.42.3	Coupler for 25 mm diameter reinforcement bar	each	195.45
5.42.4	Coupler for 28 mm diameter reinforcement bar	each	228.55
5.42.5	Coupler for 32 mm diameter reinforcement bar	each	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.	metre	711.90
5.43.2	300 mm wide.	metre	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 localtion 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	metre	5594.85
5.44.2	Floor Joint of 150 mm gap	metre	6849.15
5.44.3	Floor Joint of 200 mm gap	metre	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		

Code No.	Description	Unit	Rate ₹
	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	metre	4658.30
	5.45.2 Wall Joint of 150 mm gap	metre	5243.65
	5.45.3 Wall Joint of 200 mm gap	metre	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	metre	5193.45
	5.46.2 Roof Joint of 150 mm gap	metre	5778.80
	5.46.3 Roof Joint of 200 mm gap	metre	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	metre	666.85
	5.47.2 Door frame 100 mmx 60 mm	metre	617.90
	5.47.3 Door frame 85 mmx60 mm	metre	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		

Code No.	Description	Unit	Rate ₹
	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	cum	7425.00
5.48.2	Reinforced Cement Concrete -M-60	cum	8681.45
5.48.3	Extra for using M -50/ M-60 Grade Self-compacting Cement Concrete	cum	748.60
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.	cum	16618.70

SUB HEAD : 6.0

MASONRY WORK

BASIC RATES (SH: 6.0 MASONRY WORK)

Code No.	Description	Unit	Rate ₹
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	700.00
0037	Mobile crane	day	7500.00
0100	Bandhani	day	617.00
0101	Bhisti	day	617.00
0112	Carpenter 2nd class	day	679.00
0114	Beldar	day	558.00
0115	Coolie	day	558.00
0123	Mason (brick layer) 1st class	day	738.00
0124	Mason (brick layer) 2nd class	day	679.00
0155	Mason (average)	day	709.00
0322	Bitumen felt :Type 3 grade 1	sqm	70.00
0357	Polymer modified adhesive mortar	kg	15.00
1002	Mild steel round bar 12 mm dia and below	quintal	4500.00
1008	Flats up to 10 mm in thickness	quintal	4500.00
1034	Bolts and nuts up to 300 mm in length	quintal	4800.00
1197	Second class kail wood in scantling	10 cudm	260.00
1225	Mild steel flat strap fitting	quintal	4120.00
1235	Diesel	litre	73.50
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
2201	Carriage of Bricks	1000 Nos	276.72
2204	Carriage of Timber	cum	118.59
2205	Carriage of Steel	tonne	92.24
2207	Carriage of Brick tiles	1000 Nos	166.03
2208	Carriage of Lime	cum	103.77
2302	Carriage of G.I. sheet and accessories	tonne	92.24
2602	Common burnt clay F.P.S. (non modular) bricks class designation	1000 Nos	4500.00
7008	F.P.S. (non modular) clay fly ash bricks class designation 7.5	1000 Nos	4800.00

Code No.	Description	Unit	Rate ₹
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
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
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
9999	Sundries	L.S.	2.00

6.0 MASONRY WORK

Code No.	Description	Unit	Rate ₹
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)	cum	6376.25
6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	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)	cum	5495.15
6.2.2	Cement Mortar 1:6 (1 cement : 6 coarse sand).	cum	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	cum	7722.65
6.3.2	With Modular bricks	cum	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)	cum	7809.25
6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	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.	cum	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 25x 3 mm section at not less than 3 ties per sqm as per approved design.	sqm	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.	metre	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.	sqm	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).	cum	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.	cum	15361.90

Code No.	Description	Unit	Rate ₹
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).	sqm	560.65
HALF BRICK MASONRY			
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)	sqm	798.25
6.12.2	cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	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)	sqm	956.60
6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	sqm	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.	sqm	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.	sqm	80.10
BRICK TILE WORK			
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)	cum	9651.05
6.16.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	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).	cum	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).	cum	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.	cum	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.	cum	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.	sqm	773.25
HONEY COMB WORK			
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).	sqm	594.15

Code No.	Description	Unit	Rate ₹
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.	cum per metre depth	794.65
	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.		
6.25	Extra for laying brick work in or under foul position.	cum	336.55
	EXPOSED BRICK WALL		
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	cum	6324.30
6.26.2	Above plinth level upto floor V level	cum	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	cum	5339.10
6.27.2	Above plinth level upto floor V level	cum	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	cum	5990.70
6.28.2	Above plinth level upto floor V level	cum	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	cum	6524.40
6.29.2	Above plinth level upto floor V level	cum	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	cum	6326.15
6.30.2	Above plinth level upto floor V level	cum	7759.15

Code No.	Description	Unit	Rate ₹
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	cum	6121.00
6.31.2	Above plinth level upto floor V level	cum	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)	cum	7971.70
6.32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	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)	cum	7473.25
6.34.2	Cement mortar 1:6 (1 cement : 6 Coarse sand)	cum	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)	cum	8190.00
6.35.2	Cement mortar 1:6 (1 cement : 6 Coarse sand)	cum	7997.40
6.36	Brick work with modular extruded brunt fly ash clay sewer bricks (Conforming to IS: 4885) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth :		
6.36.1	Cement Mortar 1:4 (1 cement : 4 coarse sand)	cum	6407.35
6.37	Brick work with modular extruded brunt fly ash clay sewer bricks (conforming to IS : 4885) in arches in foundation and plinth in cement mortar 1:3 (1 cement : 3 fine sand).	cum	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.	cum	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/cm ²	sqm	853.50
6.41	Extra for Gypsum panel Partitions in superstructure above floor V level for every four floors or part thereof.	sqm	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).	metre	52.00

Code No.	Description	Unit	Rate ₹
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)	sqm	941.50
6.45.2	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	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 separately).	cum	6636.95

SUB HEAD : 7.0

STONE WORK

BASIC RATES (SH: 7.0 STONE WORK)

Code No.	Description	Unit	Rate ₹
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	700.00
0100	Bandhani	day	617.00
0101	Bhisti	day	617.00
0102	Blacksmith 1st class	day	738.00
0103	Blacksmith 2nd class	day	679.00
0112	Carpenter 2nd class	day	679.00
0114	Beldar	day	558.00
0115	Coolie	day	558.00
0116	Fitter (grade 1)	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
0139	Skilled Beldar (for floor rubbing etc.)	day	617.00
0367	Portland Cement (OPC-43 Grade)	tonne	4940.00
0373	Cramp Gun metal 25x6x300 mm	each	80.00
0873	Copper pins 6 mm dia 7.5 cm long	each	10.00
1002	Mild steel round bar 12 mm dia and below	quintal	4500.00
1007	Structural steel such as tees, angles channels and R.S. joists	quintal	4600.00
1034	Bolts and nuts up to 300 mm in length	quintal	4800.00
1154	Through and bond stone	100 Nos	5000.00
1157	Stone for masonry work	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
1169	Kota stone slab 25mm thick (rough chiseled)	sqm	301.00
1197	Second class kail wood in scantling	10 cudm	260.00
1215	Welding by electric plant	cm	2.00
1225	Mild steel flat strap fitting	quintal	4120.00

Code No.	Description	Unit	Rate ₹
1237	Cutting marble or sand stone slab up to 50 mm thick by mechanical device	metre	10.00
2204	Carriage of Timber	cum	118.59
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
2302	Carriage of G.I. sheet and accessories	tonne	92.24
2750	8 mm thick granite stone tiles (mirror polished of all shades)	sqm	700.00
4009	Mild steel tubes hot finished welded type	kg	57.00
7339	Stainless steel cramp	kg	290.00
7439	8mm thick (mirror polished tiles machine cut edge) Raj Nagar white	sqm	500.00
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
8698	Stainless steel cramps(weight 260 grams) with nuts, bolts and washer for dry stone cladding	each	100.00
9977	Carriage	L.S.	2.00
9999	Sundries	L.S.	2.00

7.0 STONE WORK

Code No.	Description	Unit	Rate ₹
RANDOM RUBBLE MASONRY			
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)	cum	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)	cum	7489.95
7.4	Extra for random rubble masonry with hard stone in :		
7.4.1	Square or rectangular pillars	cum	728.50
7.4.2	Circular pillars	cum	2025.50
7.5	Extra for random rubble masonry with hard stone curved on plan for a mean radius not exceeding 6 m.	cum	804.45
COURSED RUBBLE MASONRY			
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)	cum	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)	cum	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)	cum	8718.00
7.8.2	Masonry work (second sort), in cement mortar 1:6 (1 cement : 6 coarse sand)	cum	8211.10
7.10	Extra for coursed rubble masonry with hard stone (first or second sort) in :		
7.10.1	Square or rectangular pillars	cum	603.15
7.10.2	Circular pillars	cum	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.	cum	875.35
ASHLAR MASONRY			
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	cum	47132.00
7.12.1.2	White sand stone	cum	69604.00

Code No.	Description	Unit	Rate ₹
7.12.2	Both face dressed		
7.12.2.1	Red sand stone	cum	64279.00
7.12.2.2	White sand stone	cum	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	cum	52907.00
7.13.1.2	White sand stone	cum	75379.00
7.13.2	Both face dressed		
7.13.2.1	Red sand stone	cum	70053.00
7.13.2.2	White sand stone	cum	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	cum	83532.00
7.14.1.2	White sand stone	cum	106004.00
7.14.2	Both face dressed		
7.14.2.1	Red sand stone	cum	126051.00
7.14.2.2	White sand stone	cum	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	cum	44498.00
7.15.1.2	White sand stone	cum	66970.00
7.15.2	Both faced punched		
7.15.2.1	Red sand stone	cum	59010.00
7.15.2.2	White sand stone	cum	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.	cum	1493.00
7.17	Extra for plain ashlar or ashlar punched in :		
7.17.1	Square or rectangular pillars	cum	2400.00
7.18	Extra for stone work; plain ashlar or ashlar punched curved on plan with a mean radius not exceeding 6 m.	cum	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).	sqm	560.65

Code No.	Description	Unit	Rate ₹
SUNK, MOULDED, CARVED ASHLAR MASONRY			
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	cum	67731.00
7.20.2	White sand stone	cum	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	cum	3131.00
7.21.2	Circular or polygonal pillars	cum	8871.00
7.22	Extra for stone work ashlar sunk or moulded in cornices.	per metre per cm girth (60cm deep)	225.35
MISCELLANEOUS STONE WORK			
7.23	Item Shifted to Sub Head 8 as item 8.14		
7.24	Extra for stone work (vener work) curved on plan with a mean radius not exceeding 6 m.	cum	2400.00
7.25	Item Shifted to Sub Head 8 as item 8.15		
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.	each	45.75
7.27	Item Shifted to Sub Head 8 as item 8.16		
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	sqm	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	sqm	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	sqm	1306.75
7.29.2	White sand stone	sqm	1306.75

Code No.	Description	Unit	Rate ₹
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.	sqm	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	each	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	cum	66408.90
7.32.2	White sand stone	cum	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	sqm	11230.40
7.33.2	White sand stone	sqm	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.	cum per metre depth	794.65
	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.		
7.35	Extra for laying stone work in or under foul position.	cum	336.55
7.36	Item Shifted to Sub Head 8 as item 8.17		
7.37	Item Shifted to Sub Head 8 as item 8.18		
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	sqm	2537.40
7.38.1.2	Raj Nagar plain white marble/ Udaipur green marble/ Zebra black marble	sqm	2263.10
7.39	Item Shifted to Sub Head 8 as item 8.19		
7.40	Item Shifted to Sub Head 8 as item 8.20		
7.41	Item Shifted to Sub Head 8 as item 8.21		
7.42	Item Shifted to Sub Head 8 as item 8.22		

SUB HEAD : 8.0

CLADDING WORK

BASIC RATES (SH: 8.0 CLADDING WORK)

Code No.	Description	Unit	Rate ₹
0013	Machine for rubbing of floors	day	300.00
0019	Hand Grinder for mirror polish	day	250.00
0100	Bandhani	day	617.00
0101	Bhisti	day	617.00
0102	Blacksmith 1st class	day	738.00
0114	Beldar	day	558.00
0115	Coolie	day	558.00
0116	Fitter (grade 1)	day	738.00
0123	Mason (brick layer) 1st class	day	738.00
0124	Mason (brick layer) 2nd class	day	679.00
0126	Mason (for ornamental stone work) 1st class	day	738.00
0128	Mate	day	617.00
0139	Skilled Beldar (for floor rubbing etc.)	day	617.00
0367	Portland Cement (OPC-43 Grade)	tonne	4940.00
0368	White Cement	tonne	11200.00
0874	Black colour dark shade pigment	kg	70.00
1034	Bolts and nuts up to 300 mm in length	quintal	4800.00
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
2209	Carriage of Cement	tonne	92.24
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	92.24
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
4009	M.S. Tube Hot finished welded type	Kg	57.00
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
7295	Granite of any colour, 18 mm thick (slab area upto 0.50 sqm)	sqm	1600.00
7297	Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	1800.00
7338	Gun metal cramp	kg	315.00
7339	Stainless steel cramp	kg	290.00
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

Code No.	Description	Unit	Rate ₹
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
9977	Carriage	L.S.	2.00
9999	Sundries	L.S.	2.00

8.0 CLADDING WORK

Code No.	Description	Unit	Rate ₹
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	sqm	4439.40
8.1.1.2	Area of slab over 0.50 sqm	sqm	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	sqm	2777.40
8.2.1.2	Area of slab over 0.50 sqm	sqm	2552.65
8.2.2	Granite of any colour and shade		
8.2.2.1	Area of slab upto 0.50 sqm	sqm	4217.35
8.2.2.2	Area of slab over 0.50 sqm	sqm	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	metre	220.35
8.3.2	Granite work	metre	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.	metre	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.	each	734.55
8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	sqm	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),		

Code No.	Description	Unit	Rate ₹
	including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).		
8.7.1	Gunmetal cramps	kg	627.85
8.7.2	Stainless steel cramps	kg	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	each	33.05
	8.8.1.2 Fastener with threaded dia 10 mm	each	33.35
	8.8.1.3 Fastener with threaded dia 12 mm	each	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	sqm	2515.40
	8.9.1.2 Granite of any colour and shade	sqm	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	sqm	3216.90
	8.10.2 Granite Stone of approved shade	sqm	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.	sqm	8823.75
8.12	Item Shifted to Sub Head 11 as item 11.55		
8.13	Item Shifted to Sub Head 11 as item 11.56		

Code No.	Description	Unit	Rate ₹
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	sqm	4460.95
8.14.1.2	60 mm thick	sqm	4316.20
8.14.1.3	50 mm thick	sqm	4171.80
8.14.1.4	40 mm thick	sqm	4026.80
8.14.1.5	30 mm thick	sqm	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	sqm	6154.70
8.14.2.2	60 mm thick	sqm	6010.00
8.14.2.3	50 mm thick	sqm	5865.60
8.14.2.4	40 mm thick	sqm	5720.60
8.14.2.5	30 mm thick	sqm	5575.75
8.14.3	White sand stone - exposed face fine dressed with rough backing .		
8.14.3.1	70 mm thick	sqm	6034.30
8.14.3.2	60 mm thick	sqm	5664.85
8.14.3.3	50 mm thick	sqm	5296.25
8.14.3.4	40 mm thick	sqm	4925.00
8.14.3.5	30 mm thick	sqm	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	sqm	7728.10
8.14.4.2	60 mm thick	sqm	7358.65
8.14.4.3	50 mm thick	sqm	6990.05
8.14.4.4	40 mm thick	sqm	6618.80
8.14.4.5	30 mm thick	sqm	6249.90
8.14.5	Gang saw cut stone		
8.14.5.1	30mm thick White sand stone	sqm	2549.75
8.14.5.2	30mm thick Red sand stone	sqm	2360.10

Code No.	Description	Unit	Rate ₹
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.	kg	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.	each	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.	sqm	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	sqm	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.	sqm	129.65
STONE WORK DRY CLADDING			
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	sqm	2217.75
	8.20.2 White sand stone - 30mm thick gang saw cut stone	sqm	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		

Code No.	Description	Unit	Rate ₹
	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).	kg	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.	each	327.00
	NOTE: Item no 8.14, 8.15, 8.16, 8.17, 8.18, 8.19, 8.20, 8.21 & 8.22 are brought from Sub Head 7 i.e. Stone Work, Item no 7.23, 7.25, 7.27, 7.36, 7.37, 7.39, 7.40, 7.41 & 7.42		
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.	each	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	each	18.95
	8.24.2 32 mm long	each	20.35
	8.24.3 40 mm long	each	24.35
	8.24.4 50 mm long	each	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	sqm	6137.70
	8.25.2 25 mm thick	sqm	4057.75
	8.25.3 20 mm thick	sqm	3291.15
	8.25.4 12 mm thick	sqm	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	sqm	1269.60
	8.26.2 18 mm thick	sqm	1431.50
	8.26.3 25 mm thick	sqm	1799.45

Code No.	Description	Unit	Rate ₹
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	cum	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	sqm	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.	sqm	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	sqm	1891.50
8.30.2	25 mm thick	sqm	2259.40
	NOTE: Item No 8.23, 8.24, 8.25, 8.26, 8.27, 8.28, 8.29 & 8.30 are brought from Sub Head 9 i.e. Wood & PVC Work, Item No. 9.32, 9.33, 9.34, 9.35, 9.36, 9.37, 9.38 & 9.39		
8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	1030.30
	NOTE: Item no 8.31 is brought from Sub Head 11 i.e. Flooring, Item No 11.36		
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		

Code No.	Description	Unit	Rate ₹
	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 items 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.	sqm	4309.80
	NOTE: Item No. 8.32 is brought from Sub Head 25 i.e. Structural Glazing Aluminium Composite Panel, Item No. 25.7		

SUB HEAD : 9.0

WOOD AND P.V.C. WORK

BASIC RATES (SH: 9.0 WOOD AND P.V.C. WORK)

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
0114	Beldar	day	558.00
0116	Fitter (grade 1)	day	738.00
0119	Glazier	day	679.00
0123	Mason (brick layer) 1st class	day	738.00
0124	Mason (brick layer) 2nd class	day	679.00
0130	Mistry	day	738.00
0131	Painter	day	679.00
0156	Carpenter (average)	day	709.00
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
0237	Multi purpose fibre (high impact poly propylene reinforced) cement board 8 mm thick	sqm	220.00
0243	8 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	215.00
0305	Bamboo 25 mm dia 2.5 metre long	score	400.00
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
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

Code No.	Description	Unit	Rate ₹
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
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
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
0423	Brass casement window fastener	each	45.00
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	126.00
0425	Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	100.00
0426	Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	95.00
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
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
0552	75 mm SS fancy handle for Kitchen Cabinet	10 Nos	255.00
0553	100 mm SS fancy handle for Kitchen Cabinet	10 Nos	455.00
0554	125 mm SS fancy handle 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

Code No.	Description	Unit	Rate ₹
0569	Chromium plated Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	140.00
0570	Chromium plated Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	120.00
0571	Chromium plated Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	100.00
0583	Chromium plated Brass Night latch	each	500.00
0584	Chromium plated Brass Wardrobe Knob 50 mm	each	80.00
0585	Chromium plated Brass screws 50 mm	100 Nos	300.00
0586	Chromium plated Brass screws 40 mm	100 Nos	290.00
0587	Chromium plated Brass screws 30 mm	100 Nos	240.00
0588	Chromium plated Brass screws 25 mm	100 Nos	180.00
0589	Chromium plated Brass screws 20 mm	100 Nos	160.00
0590	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	185.00
0591	Chromium plated Brass curtain rod 20 mm dia 1.25mm thick	metre	260.00
0592	Chromium plated Brass curtain rod 25 mm dia 1.25mm thick	metre	340.00
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

Code No.	Description	Unit	Rate ₹
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
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

Code No.	Description	Unit	Rate ₹
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
0759	Decorative plywood 4 mm	sqm	320.00
0763	Glue	kg	75.00
0834	Synthetic enamel paint in all shades except black or chocolate shade	litre	160.00
0869	Plaster of Paris	kg	5.00
1003	Mild steel round bar above 12 mm dia	quintal	4400.00
1008	Flats up to 10 mm in thickness	quintal	4500.00
1015	Mild steel expanded metal 20x60 mm strands 3.25 mm wide 1.60 mm thick	sqm	280.00

Code No.	Description	Unit	Rate ₹
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
1189	Second class teak wood in scantling	10 cudm	776.00
1190	Second class teak wood in planks	10 cudm	791.00
1199	Sal wood in scantling	10 cudm	600.00
1200	Kiln seasoned selected sheesham wood planks	10 cudm	650.00
1211	G.I. plain washer for seam bolts	100 Nos	32.00
1231	Extra for selected planks of second class teakwood	10 cudm	150.00
1238	Extra for selected planks of first class teakwood	10 cudm	150.00
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
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
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
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
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
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

Code No.	Description	Unit	Rate ₹
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
2504	Kiln seasoning of timber	cum	750.00
2505	Hollock wood in planks	10 cudm	390.00
2640	Glass panes of required thickness having 120 minutes of fire resistance both intensity and radiation control (EW 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
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
4009	Mild steel tubes hot finished welded type	kg	57.00
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
7009	12.5 mm thick tapered edge plain Gypsum plaster board confirming to IS 2095 (Part- I) : 2011	sqm	155.00
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

Code No.	Description	Unit	Rate ₹
7021	Primer (for gypsum board)	litre	85.00
7023	Chromium plated brackets (curtain rods)	each	7.00
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	sqm	250.00
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
7048	Rawl plug 50 mm (designation 10 nos)	each	25.00
7049	Teak wood lipping of size 25x3 mm in pelmets	metre	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
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
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

Code No.	Description	Unit	Rate ₹
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
7184	Oxidised M.S. safety chain (weighing not less than 450 gms) for door	each	57.00
7269	25 mm thick particle board	sqm	460.00
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
7307	For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering	sqm	330.00
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
7349	12 mm M.S. 'U' beading	metre	14.00
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
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm	metre	71.00
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	11.00
7390	EPDM Gasket for uPVC window/door	metre	19.00
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

Code No.	Description	Unit	Rate ₹
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
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
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
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

Code No.	Description	Unit	Rate ₹
8014	Factory made door frame of size 50x47 mm with wall thickness 5 mm made of single piece extruded profile	metre	298.74
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
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

Code No.	Description	Unit	Rate ₹
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
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
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
8647	Stainless steel screws 30 x 4 mm	100 Nos	32.00
8678	1 mm thick 35 mm wide bright finished stainless steel piano hinges	metre	42.00
8699	8 mm thick tapered edge calcium silicate board	sqm	265.00
8700	10 mm thick calcium silicate board	sqm	420.00
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

Code No.	Description	Unit	Rate ₹
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 beading 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
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

Code No.	Description	Unit	Rate ₹
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/ m ²) 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

Code No.	Description	Unit	Rate ₹
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
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
8777	GI Fastener 100x8 mm	each	15.00
9977	Carriage	L.S.	2.00
9988	Carriage and sundries	L.S.	2.00
9999	Sundries	L.S.	2.00

9.0 WOOD AND P. V. C. WORK

Code No.	Description	Unit	Rate ₹
FRAMES AND TRUSSES			
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	cum	130183.05
9.1.2	Sal wood	cum	105327.20
9.1.3	Kiln seasoned and chemically treated hollock wood	cum	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).	cum	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	cum	95893.90
9.3.2	Kiln seasoned and chemically treated hollock wood	cum	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	cum	13018.35
9.4.2	Sal wood	cum	10532.80
9.4.3	Kiln seasoned and chemically treated hollock wood	cum	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	sqm	3613.35
9.5.1.2	30 mm thick shutters	sqm	3269.85
9.5.2	Kiln seasoned and chemically treated hollock wood		
9.5.2.1	35 mm thick shutters	sqm	2381.55
9.5.2.2	30 mm thick shutters	sqm	2208.65
9.5.3	Kiln seasoned selected planks of sheesham wood		
9.5.3.1	35 mm thick shutters	sqm	3191.60
9.5.3.2	30 mm thick shutters	sqm	2906.00

Code No.	Description	Unit	Rate ₹
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 :	sqm	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 :	sqm	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 :	sqm	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	sqm	2942.30
9.7.2	Kiln seasoned and chemically treated hollock wood	sqm	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	sqm	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	sqm	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	sqm	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	sqm	1345.10

Code No.	Description	Unit	Rate ₹
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	sqm	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	sqm	1753.80
9.7.5.4	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS:12823 marked	sqm	1810.55
9.7.6	Coir Veneer Board (conforming to IS 14842)		
9.7.6.1	12 mm thick	sqm	1964.60
9.7.7	Float glass panes		
9.7.7.1	4 mm thick glass pane (weight not less than 10 kg per sqm)	sqm	1792.55
9.7.7.2	5.0 mm thick glass panes (weight not less than 12.5 kg per sqm)	sqm	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	sqm	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	sqm	4353.75
9.9.1.2	30 mm thick	sqm	3961.20
9.9.2	Kiln seasoned and chemically treated hollock wood		
9.9.2.1	35 mm thick	sqm	2951.35
9.9.2.2	30 mm thick	sqm	2753.80
9.9.3	Kiln seasoned selected planks of sheesham wood		
9.9.3.1	35 mm thick	sqm	3874.15
9.9.3.2	30 mm thick	sqm	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	sqm	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.	sqm	267.60

Code No.	Description	Unit	Rate ₹
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).	sqm	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).	sqm	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).	sqm	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	sqm	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	sqm	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	sqm	3794.85
9.16.1.2	Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	sqm	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	sqm	3646.15
9.16.2.2	Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	sqm	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	sqm	643.50
9.17.2	18 mm thick	sqm	915.60

Code No.	Description	Unit	Rate ₹
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	sqm	1193.20
9.18.2	25 mm thick	sqm	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	sqm	3023.95
9.20.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	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	sqm	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	sqm	1886.70
9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	1819.80
9.21.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	sqm	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	sqm	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).	sqm	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	sqm	173.95
9.24.2	Circular	sqm	180.60

Code No.	Description	Unit	Rate ₹
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	sqm	354.55
9.26	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	sqm	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	sqm	4221.20
9.27.1.1.2	Kiln seasoned and chemically treated hollock wood	sqm	2979.50
9.27.1.1.3	Kiln seasoned selected class of sheesham wood	sqm	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	sqm	4347.70
9.27.1.2.2	Kiln seasoned and chemically treated hollock wood	sqm	3106.00
9.27.1.2.3	Kiln seasoned selected class of sheesham wood	sqm	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	sqm	3750.75
9.27.2.1.2	Kiln seasoned and chemically treated hollock wood	sqm	2689.60
9.27.2.1.3	Kiln seasoned selected class of sheesham wood	sqm	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	sqm	3877.25
9.27.2.2.2	Kiln seasoned and chemically treated hollock wood	sqm	2815.90
9.27.2.2.3	Kiln seasoned selected class of sheesham wood	sqm	3513.40

Code No.	Description	Unit	Rate ₹
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	sqm	2636.60
9.31.2	30 mm thick shutters	sqm	2382.40
MISCELLANEOUS-WOOD WORK			
9.32	Item Shifted to Sub Head 8 as item 8.23		
9.33	Item Shifted to Sub Head 8 as item 8.24		
9.34	Item Shifted to Sub Head 8 as item 8.25		
9.35	Item Shifted to Sub Head 8 as item 8.26		
9.36	Item Shifted to Sub Head 8 as item 8.27		
9.37	Item Shifted to Sub Head 8 as item 8.28		
9.38	Item Shifted to Sub Head 8 as item 8.29		
9.39	Item Shifted to Sub Head 8 as item 8.30		
9.40	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :		
9.40.1	2nd class teak wood		
9.40.1.1	50x12 mm	metre	184.60
9.40.1.2	50 x 20 mm	metre	232.15
9.40.2	Kiln seasoned and chemically treated hollock wood		
9.40.2.1	50x12 mm	metre	149.20
9.40.2.2	50x20 mm	metre	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	sqm	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		

Code No.	Description	Unit	Rate ₹
	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.	metre	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.	metre	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	metre	33.20
	9.44.2 Particle board with decorative veneering on both sides	metre	107.05
9.45	Providing and fixing teak wood lipping of size 25x3 mm in pelmet.	metre	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	metre	272.80
	9.46.2 20 mm dia	metre	373.15
	9.46.3 25 mm dia	metre	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)	metre	155.65
	9.47.2 25 mm dia (heavy type)	metre	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	kg	165.30
	9.48.2 Fixed to openings /wooden frames with rawl plugs screws etc.	kg	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.	sqm	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.	sqm	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	sqm	1133.35
	9.51.2 With 12 mm mild steel U beading	sqm	781.25

Code No.	Description	Unit	Rate ₹
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.	sqm	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).	each	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	cum	93844.40
9.54.2	Hollock wood	cum	59720.35
BRIGHT FINISHED M.S. FITTINGS			
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	each	46.25
9.55.2	100x58x1.90 mm	each	37.30
9.55.3	75x47x1.70 mm	each	31.05
9.55.4	50x37x1.50 mm	each	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	each	56.30
9.56.2	100x75x3.50 mm	each	48.00
9.56.3	75x60x3.10 mm	each	36.25
9.56.4	50x40x2.50 mm	each	19.80
Note: - In coastal areas, M.S. heavy weight butt hinges or stainless steel hinges shall be used.			
COPER OXIDISED MILD STEEL FITTINGS (COPPER OXIDISED AS PER IS: 1378)			
9.57	Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete.		
9.57.1	125x65x2.12 mm	each	45.95
9.57.2	100x58x1.90 mm	each	38.20
9.57.3	75x47x1.70 mm	each	32.30
9.57.4	50x37x1.50 mm	each	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	each	75.20
9.58.2	125x125x27x2.80 mm	each	71.90
9.58.3	100x125x27x2.80 mm	each	61.45
9.58.4	75x100x20x2.24 mm	each	54.05

Code No.	Description	Unit	Rate ₹
9.59	Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete :		
9.59.1	150 mm	each	244.75
9.59.2	125 mm	each	218.00
9.59.3	100 mm	each	189.75
9.60	Providing and fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete.		
9.60.1	150 mm	each	270.20
9.60.2	125 mm	each	235.65
9.60.3	100 mm	each	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	metre	270.95
9.61.2	Overall width 50 mm	metre	265.60
9.61.3	Overall width 65 mm	metre	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	each	183.30
9.62.2	250x16 mm	each	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	each	74.15
9.63.2	200x10 mm	each	60.55
9.63.3	150x10 mm	each	52.55
9.63.4	100x10 mm	each	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.	each	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	each	81.75
9.65.2	250x20x6 mm	each	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	each	34.85
9.66.2	100 mm	each	27.95
9.66.3	75 mm	each	23.90

Code No.	Description	Unit	Rate ₹
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	each	28.75
9.67.2	115 mm	each	25.60
9.67.3	90 mm	each	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	each	58.80
9.68.2	250 mm weighing not less than 150 gms	each	51.40
9.68.3	200 mm weighing not less than 120 gms	each	44.70
9.69	Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors, (weighting not less than 450 gms)	each	88.50
STAINLESS STEEL FITTINGS			
9.70	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :		
9.70.1	125x64x1.90 mm	each	84.50
9.70.2	100X58X1.90 mm	each	74.60
9.70.3	75x47x1.80 mm	each	56.60
9.70.4	50x37x1.50 mm	each	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	each	95.90
9.71.2	100x60x2.50 mm	each	77.30
9.71.3	75x50x2.50 mm	each	62.60
BRASS FITTINGS			
9.72	Providing and fixing bright finished brass butt hinges with necessary screws etc. complete :		
9.72.1	125x85x5.5 mm (heavy type)	each	226.85
9.72.2	125x70x4 mm (ordinary type)	each	155.40
9.72.3	100x85x5.5 mm (heavy type)	each	173.60
9.72.4	100x70x4 mm (ordinary type)	each	123.85
9.72.5	75x65x4 mm (heavy type)	each	145.40
9.72.6	75x40x2.5 mm (ordinary type)	each	84.10
9.72.7	50x40x2.5 mm (ordinary type)	each	34.20
9.73	Providing and fixing bright finished brass parliamentary hinges with necessary screws etc. complete :		
9.73.1	150x125x27x5 mm	each	392.40

Code No.	Description	Unit	Rate ₹
9.73.2	125x125x27x5 mm	each	350.95
9.73.3	100x125x27x5 mm	each	322.85
9.73.4	75x100x20x3.2 mm	each	286.45
9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :		
9.74.1	250x10 mm	each	373.65
9.74.2	200x10 mm	each	299.85
9.74.3	150x10 mm	each	231.65
9.74.4	100x10 mm	each	159.65
9.75	Providing and fixing bright finished brass door latch with necessary screws etc. complete :		
9.75.1	300x16x5 mm	each	272.40
9.75.2	250x16x5 mm	each	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.	each	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.	each	592.35
9.78	Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete.	each	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	each	251.20
9.79.2	50 mm	each	291.30
9.79.3	65 mm	each	298.00
9.79.4	75 mm	each	318.10
9.80	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.	each	62.70
9.81	Providing and fixing bright finished brass handles with screws etc. complete:		
9.81.1	125 mm	each	204.65
9.81.2	100 mm	each	189.45
9.81.3	75 mm	each	149.35
9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	each	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.	each	1003.50

Code No.	Description	Unit	Rate ₹
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.	each	851.60
9.85	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	each	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	each	186.20
9.86.2	250 mm weighing not less than 280 gms	each	149.25
9.86.3	200 mm weighing not less than 240 gms	each	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	each	118.10
9.87.2	115 mm	each	106.95
9.87.3	90 mm	each	94.20
CHROMIUM PLATED BRASS FITTINGS			
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.	each	806.45
9.89	Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc. complete.	each	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	each	257.85
9.90.2	Size 50 mm	each	271.25
9.90.3	Size 65 mm	each	304.70
9.90.4	Size 75 mm	each	338.15
9.91	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	each	121.60
9.92	Providing and fixing chromium plated brass handles with necessary screws etc. complete:		
9.92.1	125 mm	each	226.10
9.92.2	100 mm	each	198.85
9.92.3	75 mm	each	178.75
9.93	Providing and fixing chromium plated brass casement window fastener with necessary screws etc. complete.	each	140.15

Code No.	Description	Unit	Rate ₹
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	each	207.05
9.94.2	250 mm weighing not less than 280 gms	each	180.30
9.94.3	200 mm weighing not less than 240 gms	each	153.55
ANODISED ALUMINIUM FITTINGS (ALL FITTINGS SHALL BE ISI MARKED)			
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	each	136.60
9.95.2	125x63x4 mm	each	114.25
9.95.3	100x75x4 mm	each	104.90
9.95.4	100x63x4 mm	each	95.65
9.95.5	100x63x3.2 mm	each	88.45
9.95.6	75x63x4 mm	each	77.10
9.95.7	75x63x3.2 mm	each	70.55
9.95.8	75x45x3.2 mm	each	66.50
Note :- Aluminum hinges shall not be used in wooden shutters, stainless steel hinges shall be preferred.			
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	each	257.15
9.96.2	250x16 mm	each	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	each	116.80
9.97.2	250x10 mm	each	103.55
9.97.3	200x10 mm	each	90.00
9.97.4	150x10 mm	each	75.00
9.97.5	100x10 mm	each	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.	each	85.95

Code No.	Description	Unit	Rate ₹
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.	each	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	each	59.65
9.100.2	100 mm	each	52.85
9.100.3	75 mm	each	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	each	33.95
9.101.2	Twin rubber stopper	each	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.	each	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.	each	748.65
9.104	Providing and fixing aluminium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod.	metre	139.35
GYP SUM BOARD PARTITIONS			
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		

Code No.	Description	Unit	Rate ₹
	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)	sqm	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 1) : 1996 (Board with BIS certification marks)	sqm	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	sqm	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	sqm	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	sqm	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	each	40.20
9.106.2	150x34x24 mm weighing not less than 26 gms	each	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	each	67.70
9.107.2	100x75x10 mm fitted with 5.5 mm dia MS Bright Bar Rod weighing not less than 53 gms	each	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	each	75.85
9.108.2	202x42x18 mm weighing not less than 78 gms	each	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	each	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.	sqm	576.15

Code No.	Description	Unit	Rate ₹
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)	metre	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.	metre	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.	each	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	each	39.05
9.114.2	Double strip (horizontal type)	each	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.	one set	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)	each	14.80
9.117	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 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 1 mm (± 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	metre	221.65
9.117.2	Extruded section profile size 42x50 mm	metre	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		

Code No.	Description	Unit	Rate ₹
	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).	sqm	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.	sqm	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	sqm	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.	metre	391.65

Code No.	Description	Unit	Rate ₹
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	sqm	2423.40
9.120.2	30 mm thick pre laminated PVC door shutters	sqm	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.	metre	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.	sqm	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.	sqm	3931.95

Code No.	Description	Unit	Rate ₹
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.	metre	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	sqm	3028.85
	9.124.2 Decorative finish (both side wood grained finish)	sqm	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.	sqm	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	sqm	2005.15
	9.126.2 Fire retardant plywood conforming to IS: 5509	sqm	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	sqm	842.75
	9.127.2 1.0 mm thick	sqm	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		

Code No.	Description	Unit	Rate ₹
	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. Note - Only plan area of chajjas shall be measured for making payment]	sqm	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	sqm	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	sqm	1647.95
	9.130.2 With non decorative veneering on both sides	sqm	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	sqm	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.	kg	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.		

Code No.	Description	Unit	Rate ₹
9.133.1	Tapered edge calcium silicate board made with calcareous & siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with compressive strength 225 kg/ sq.cm, Bending strength 100 kg/sq.cm.		
9.133.1.1	10mm thick	sqm	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	sqm	1126.00
9.133.2.2	8 mm thick Cement bonded wood particle board as per IS:14276	sqm	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	sqm	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	sqm	4352.20
9.134.1.1.2	Kiln seasoned and chemically treated hollock wood	sqm	3110.50
9.134.1.1.3	Kiln seasoned selected class of sheesham wood	sqm	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	sqm	4478.70
9.134.1.2.2	Kiln seasoned and chemically treated hollock wood	sqm	3237.00
9.134.1.2.3	Kiln seasoned selected class of sheesham wood	sqm	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	sqm	3881.75
9.134.2.1.2	Kiln seasoned and chemically treated hollock wood	sqm	2820.40
9.134.2.1.3	Kiln seasoned selected class of sheesham wood	sqm	3517.90

Code No.	Description	Unit	Rate ₹
9.134.2.2	With ISI marked stainless steel butt hinges of required size		
9.134.2.2.1	Second class teak wood	sqm	4008.25
9.134.2.2.2	Kiln seasoned and chemically treated hollock wood	sqm	2947.05
9.134.2.2.3	Kiln seasoned selected class of sheesham wood	sqm	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	sqm	1353.60
9.135.2	With 12 mm mild steel U beading	sqm	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).	metre	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/m ²) 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).	sqm	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		

Code No.	Description	Unit	Rate ₹
	or by any other accreditation body which operates in accordance with ISO/IEC 17011 and accredits labs as per ISO/IEC 17025 for testing and calibration scopes shall be eligible. The maximum glazing size shall not be more than 1100x2200 mm (w x h) or 2.42 sqm.	sqm	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.	each	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	sqm	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.	metre	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 mmx 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitred 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)	sqm	3240.80
	9.142.2 Decorative finish (wood grained finish)	sqm	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		

Code No.	Description	Unit	Rate ₹
	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.	metre	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 mitred 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.	sqm	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.	metre	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 (± 0.2 mm) with inbuilt beading on one side, the styles and rails mitred cut and joint at corners by inserting 2 nos PVC profile reinforcement of size 75 mm x 200 mm long with cross section size of 28 mm x 30 mm having wall thickness 2 mm (± 0.2 mm). Styles, rails and reinforcements to be fusion welded together. Only hinge side vertical style to be reinforced with PVC profile reinforcement in full length. Printed and laminated PVC lock rail of size 110 mm x 37 mm having wall thickness 2 mm (± 0.2 mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6 mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer's specification and direction of engineer-in-charge.	sqm	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 \pm 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		

Code No.	Description	Unit	Rate ₹
	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.)	sqm	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).	sqm	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).	sqm	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.)	sqm	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).	sqm	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).	sqm	7242.25

Code No.	Description	Unit	Rate ₹
9.147B	<p>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).</p> <p>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.</p> <p>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.)</p>	sqm	6478.75
9.147C	<p>Providing and fixing factory made uPVC white colour casement/ Casement cum fixed glazed door comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, zinc alloy (white powder coated) 3D hinges and one handle on each side of panels along with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key, G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws, etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately).</p> <p>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.</p> <p>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).</p> <p>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)</p>	sqm	9131.45
		sqm	9328.30

Code No.	Description	Unit	Rate ₹
9.147D	<p>Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealent shall be paid separately)</p> <p>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.</p>		
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)	sqm	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).	sqm	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).	sqm	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).	sqm	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)	sqm	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		

Code No.	Description	Unit	Rate ₹
	<p>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).</p> <p>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.</p>		
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.)	sqm	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).	sqm	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 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).		

Code No.	Description	Unit	Rate ₹
	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)	sqm	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).	sqm	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)	sqm	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)	sqm	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	each	299.90
9.148.2	250 x 19 x 1.9 mm	each	333.35
9.148.3	300 x 19 x 1.9 mm	each	353.40
9.148.4	350 x 19 x 1.9 mm	each	487.20
9.148.5	400 x 19 x 1.9 mm	each	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.	each	187.75
9.150	Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete.	each	154.35
9.151	Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.	each	88.75
9.152	Providing and fixing steel roller for uPVC sliding door with necessary screws etc. complete.	each	140.95
9.153	Providing and fixing steel (white power coated) crescent lock for uPVC sliding window/ door with necessary screws etc. complete.	each	167.70

Code No.	Description	Unit	Rate ₹
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.	kg	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	sqm	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	sqm	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	sqm	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	sqm	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	sqm	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.	sqm	1050.65
9.158.2	18 mm thick.	sqm	1249.35
9.158.3	25 mm thick.	sqm	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.		

Code No.	Description	Unit	Rate ₹
	piano hinges conforming to IS:3818 marked with necessary screw etc all complete.	sqm	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.	sqm	1843.15
	9.160.2 25 mm thick.	sqm	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/m ²) suitable for mounting 120 min Fire Rated Glazed Door Shutters. The frame shall be filled with Mineral wool Insulation having density min 96Kg/m ³ . The frame will have a provision of G.I. Anchor fastners 14 nos (5 each on vertical style & 4 on horizontal style of size M10 x 80) suitable for fixing in the opening along with Factory made Template for SS Ball Bearing Hinges of Size 100x89x3mm for fixing of fire rated glazed shutter . The frame shall be finished with a approved fire resistant primer or Powder coating of not less than 30 micron in desired shade as per the directions of Engineer - in- charge . (Cost of SS ball bearing hinges is excluded).	metre	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/m ²) duly filled mineral wool insulation having density min 96 kg/m ³ 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).	sqm	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/ m ³ and finished with a approved fire resistant primer or Powder coating of not less than 30 micron in desired shade as per NBC 2016, IS 16231 (Part 3):2016 and directions of Engineer - in- charge.	metre	1512.95

Code No.	Description	Unit	Rate ₹
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/m ²) of size 20 x 33 mm screwed with M4 x 38 mm SS screws at distance 75 mm from the edges and 150 mm c/c , including applying a coat of approved fire resistant primer/ powder coating of not less than 30 micron on G.I. beading, & special ceramic tape of 5 x 20 mm size etc complete in all respect as per 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.	sqm	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	each	98.75
9.165.2	100mm	each	74.00
9.165.3	75 mm	each	47.20

SUB HEAD : 10.0

STEEL WORK

BASIC RATES (10.0 STEEL WORK)

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
0112	Carpenter 2nd class	day	679.00
0114	Beldar	day	558.00
0116	Fitter (grade 1)	day	738.00
0119	Glazier	day	679.00
0123	Mason (brick layer) 1st class	day	738.00
0124	Mason (brick layer) 2nd class	day	679.00
0139	Skilled Beldar (for floor rubbing etc.)	day	617.00
0595	Bright finished or black enameled mild steel butt hinges 100x58x 1.90 mm	10 Nos	80.00
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
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
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
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
1013	Mild steel sheets of 1.00 mm thickness for tanks	quintal	4600.00
1019	Mild steel hooks	each	32.00
1020	Mild steel rivets	quintal	5000.00
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

Code No.	Description	Unit	Rate ₹
1214	Welding by gas plant	cm	2.00
1215	Welding by electric plant	cm	2.00
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
1549	G.I. pipes 40 mm dia	metre	250.00
2205	Carriage of Steel	tonne	92.24
2271	Carriage of G.I. pipes below 100 mm dia	tonne	92.24
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
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
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
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 ERW	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

Code No.	Description	Unit	Rate ₹
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	sqm	250.00
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
7068	Extra for providing grilled rolling shutters with 8 mm dia M.S. rod	sqm	500.00
8737	Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50mm dia wire	sqm	400.00
9977	Carriage	L.S.	2.00
9988	Carriage and sundries	L.S.	2.00
9999	Sundries	L.S.	2.00

10.0 STEEL WORK

Code No.	Description	Unit	Rate ₹
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.	kg	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.	kg	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.	sqm	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	sqm	4992.05
10.5	Providing and fixing 1 mm 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	sqm	4428.15
10.5.2	Using flats 30x6mm for diagonal braces and central cross piece	sqm	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	sqm	2944.10
10.6.2	80x1.20 mm M.S. laths with 1.20 mm thick top cover	sqm	2803.65
10.6.3	80x0.90 mm M.S. laths with 0.90 mm thick top cover	sqm	2654.25
10.7	Providing and fixing ball bearing for rolling shutters.	each	419.85
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	sqm	1106.55
10.8.2	Exceeding 16.80 sqm in area	sqm	1106.55
10.9	Extra for providing grilled rolling shutters manufactured out of 8 mm dia M.S. bar instead of laths as per design approved by Engineer-in- charge, (area of grill to be measured).	sqm	668.95

Code No.	Description	Unit	Rate ₹
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)	kg	63.00
10.10.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	kg	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)	kg	166.50
10.11.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	kg	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.	metre	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).	kg	106.45
10.13.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	kg	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:		

Code No.	Description	Unit	Rate ₹
10.14.1	Profile B		
10.14.1.1	Fixing with adjustable lugs with split end tail to each jamb	metre	417.60
10.14.1.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	metre	406.90
10.14.2	Profile C		
10.14.2.1	Fixing with adjustable lugs with split end tail to each jamb	metre	444.35
10.14.2.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	metre	433.65
10.14.3	Profile E		
10.14.3.1	Fixing with adjustable lugs with split end tail to each jamb	metre	484.50
10.14.3.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	metre	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)	kg	137.30
10.15.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	kg	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	kg	143.45
10.16.2	Hot finished seamless type tubes	kg	157.50
10.16.3	Electric resistance or induction butt welded tubes	kg	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.	each	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.	each	172.25
10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	kg	83.85

Code No.	Description	Unit	Rate ₹
10.20	Providing and fixing bolts including nuts and washers complete.	kg	128.45
10.21	Providing and fixing M.S. rivets of sizes in position.	kg	220.40
10.22	Welding by gas or electric plant including transportation of plant at site etc. complete.	cm	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	kg	93.65
10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	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	kg	145.65
10.26.2	E.R.W. tubes	kg	138.15
10.26.3	G.I. pipes	kg	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/mm ²), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.		
10.27.1	10 x 60 mm	each	103.65
10.27.2	10 x 80 mm	each	109.00
10.27.3	10 x 120 mm	each	134.25
10.27.4	10 x 140 mm	each	145.65
10.27.5	10 x 160 mm	each	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.).	kg	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	sqm	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	sqm	929.55

Code No.	Description	Unit	Rate ₹
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	sqm	900.55
10.30.2	5.5 mm thick glass panes	sqm	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.	kg	96.20

SUB HEAD : 11.0

FLOORING

BASIC RATES (SH: 11.0 FLOORING)

Code No.	Description	Unit	Rate ₹
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	800.00
0013	Machine for rubbing of floors	day	300.00
0100	Bandhani	day	617.00
0101	Bhisti	day	617.00
0103	Blacksmith 2nd class	day	679.00
0111	Carpenter 1st class	day	738.00
0114	Beldar	day	558.00
0115	Coolie	day	558.00
0123	Mason (brick layer) 1st class	day	738.00
0124	Mason (brick layer) 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
0130	Mistry	day	738.00
0139	Skilled Beldar (for floor rubbing etc.)	day	617.00
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
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	34000.00
0367	Portland Cement (OPC-43 Grade)	tonne	4940.00
0368	White Cement	tonne	11200.00
0682	Oxidised mild steel screws 50 mm	100 Nos	76.00
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
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
0982	Coarse sand (zone III)	cum	1350.00
0983	Fine sand (zone IV)	cum	900.00
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
1149	Glass strip 4 mm thick 40 mm deep	metre	20.00

Code No.	Description	Unit	Rate ₹
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
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished)	sqm	280.00
1187	First class teak wood in scantling	10 cudm	880.00
1190	Second class teak wood in planks	10 cudm	791.00
1194	Second class deodar wood in planks	10 cudm	500.00
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
1215	Welding by electric plant	cm	2.00
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
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
1243	Tile fixing chemical adhesive	kg	8.70
1244	Cement Polymer Grout Compound	kg	16.00
1245	Acid for cleaning tiles	litre	18.00
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
2209	Carriage of Cement	tonne	92.24
2211	Carriage of Tar / Bitumen	tonne	103.77
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	92.24
2261	Carriage of Fine sand	cum	103.77
2268	Carriage of Marble dust and/or marble chips	cum	103.77
2500	Extra for selected planks of second class deodar wood	10 cudm	110.00
2602	Common burnt clay F.P.S. (non modular) bricks class designation	1000 Nos	4500.00
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

Code No.	Description	Unit	Rate ₹
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
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
7024	Acid Proof cement	tonne	7800.00
7048	Rawl plug 50 mm (designation 10 nos)	each	25.00
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
7077	Acid and alkali resistant tiles 300x300 mm size, 10 mm thick	10 Nos	520.00
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
7254	Hardening compound	litre	38.00
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	11.00
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
7850	Agaria White marble slab plain 18 mm thick	sqm	1100.00
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

Code No.	Description	Unit	Rate ₹
8623	Vitrified floor tile 100x100 cm conforming to IS 15622:2006 group (B1a)	sqm	1390.00
8624	"Border tiles 200x75mm size	each	16.00
8682	Epoxy Grout	kg	371.00
8731	High polymer modified quickset tile adhesive	kg	9.00
9977	Carriage	L.S.	2.00
9988	Carriage and sundries	L.S.	2.00
9999	Sundries	L.S.	2.00

11.0 FLOORING

Code No.	Description	Unit	Rate ₹
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)	sqm	867.45
11.1.2	1:6 (1 cement : 6 coarse sand)	sqm	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.	sqm	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	sqm	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.	sqm	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.	sqm	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	sqm	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.	cum	7335.10
11.8	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.	sqm	63.20
TERRAZO FLOORING			
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		

Code No.	Description	Unit	Rate ₹
	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	sqm	847.00
11.9.2	Light shade pigment with white cement	sqm	877.10
11.9.3	Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	858.70
11.9.4	White cement without any pigment	sqm	855.60
11.9.5	Light shade pigment with ordinary cement	sqm	843.20
11.9.6	Ordinary cement without any pigment	sqm	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	sqm	876.90
11.10.2	Light shade pigment with white cement	sqm	919.90
11.10.3	Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	893.50
11.10.4	White cement without any pigment	sqm	893.10
11.10.5	Light shade pigment with ordinary cement	sqm	873.10
11.10.6	Ordinary cement without any pigment	sqm	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	sqm	909.85
11.11.2	Light shade pigment with white cement	sqm	970.10
11.11.3	Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	933.15
11.11.4	White cement without any pigment	sqm	923.40
11.11.5	Light shade pigment with ordinary cement	sqm	902.25
11.11.6	Ordinary cement without any pigment	sqm	855.55

Code No.	Description	Unit	Rate ₹
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	sqm	1398.20
11.12.1.2	Light shade pigment with white cement	sqm	1428.30
11.12.1.3	Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	1409.90
11.12.1.4	White cement without any pigment	sqm	1406.80
11.12.1.5	Light shade pigment with ordinary cement	sqm	1394.40
11.12.1.6	Ordinary cement without any pigment	sqm	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	metre	75.15
11.14	Extra for laying terrazo flooring on staircase treads not exceeding 30 cm in width, including cost of forming, nosing etc.	sqm	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	sqm	1329.25
TILE FLOORING			
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	sqm	1238.60
11.16.2	Medium shade pigment using 50% white cement and 50% ordinary cement	sqm	1189.10
11.16.3	Dark shade pigment using ordinary cement	sqm	1147.00
11.16.4	Ordinary cement without any pigment	sqm	1091.55
11.17	Extra if terrazo tiles are laid in treads of steps not exceeding 30 cm in width.	sqm	90.05

Code No.	Description	Unit	Rate ₹
11.18	Precast terrazo tiles 22 mm thick with graded marble chips of sizes upto 12 mm, in skirting and risers of steps not exceeding 30 cm in height, on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand), jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of :		
11.18.1	Light shade pigment using white cement	sqm	1865.40
11.18.2	Medium shades pigment using 50% white cement and 50% ordinary cement	sqm	1805.85
11.18.3	Dark shade pigment using ordinary cement	sqm	1757.45
11.18.4	Ordinary cement without any pigment	sqm	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	sqm	1223.90
11.19.2	Medium shade pigment using 50% white cement, 50% ordinary cement	sqm	1240.60
11.19.3	Dark shade pigment using ordinary cement	sqm	1169.10
11.19.4	Ordinary cement without any pigment	sqm	1113.80
11.20	Chequerred 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	sqm	1221.65
11.20.2	Medium shade pigment using 50% white cement 50% Grey cement	sqm	1104.25
11.20.3	Dark shade pigment using ordinary cement	sqm	928.00
11.20.4	Ordinary cement without any pigment	sqm	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	sqm	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	sqm	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	sqm	1239.55

Code No.	Description	Unit	Rate ₹
MARBLE STONE FLOORING			
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	sqm	3237.80
11.23.2	Raj Nagar plain	sqm	1960.75
11.23.3	Agaria White	sqm	2730.05
11.23.4	Black Zebra	sqm	2422.30
11.23.5	Udaipur green marble	sqm	1991.50
11.23.6	Pink plain marble	sqm	2029.95
11.24	Extra for pre finished nosing to treads of steps of marble stone.	metre	530.25
11.25	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 metre.	sqm	622.75
KOTA STONE FLOORING			
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	sqm	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.	sqm	1810.05
SAND STONE FLOORING			
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	sqm	888.95
11.28.2	White sand stone	sqm	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	sqm	1074.55
11.29.2	White sand stone	sqm	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	sqm	1165.20
11.30.2	White sand stone	sqm	1165.20
11.31	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	metre	148.10

Code No.	Description	Unit	Rate ₹
11.32	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.	sqm	33.10
	WOODEN FLOORING		
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	sqm	4152.45
11.33.2	Second class deodar wood	sqm	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.	sqm	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.	kg	132.25
	CERAMIC GLAZED TILES		
11.36	Item Shifted to Sub Head 8 as item 8.31		
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.	sqm	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.	sqm	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.	sqm	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.	sqm	1088.40

Code No.	Description	Unit	Rate ₹
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.	sqm	1170.70
VITRIFIED FLOOR TILES			
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	sqm	1267.80
11.41.2	Size of Tile 600x600 mm	sqm	1500.55
11.41.3	Size of Tile 800x800 mm	sqm	1758.70
11.41.4	Size of Tile 1000x1000 mm	sqm	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.	sqm	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.	sqm	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.	sqm	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.	sqm	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	sqm	1313.10

Code No.	Description	Unit	Rate ₹
11.46.2	Size of Tile 600x600 mm	sqm	1545.85
11.46.3	Size of Tile 800x800 mm	sqm	1806.80
11.46.4	Size of Tile 1000x1000 mm	sqm	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	metre	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	sqm	1501.25
11.47.2	Size of Tile 600x600 mm	sqm	1734.00
11.47.3	Size of Tile 800x800 mm	sqm	1994.95
11.47.4	Size of Tile 1000x1000 mm	sqm	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	sqm	291.00
11.48.2	Size of Tile 600x600 mm	sqm	241.45
11.48.3	Size of Tile 800x800 mm	sqm	191.85
11.48.4	Size of Tile 1000x1000 mm	sqm	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	sqm	1377.20
11.49.2	Size of Tile 600x600 mm	sqm	1609.95
11.49.3	Size of Tile 800x800 mm	sqm	1870.90
11.49.4	Size of Tile 1000x1000 mm	sqm	2611.45
11.50	Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.	sqm	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		

Code No.	Description	Unit	Rate ₹
	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.	sqm	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.	sqm	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:	sqm	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		

Code No.	Description	Unit	Rate ₹
	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)	sqm	5075.30
	11.54.2 450 mm Finished Floor Height (FFH).	sqm	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.	sqm	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.	sqm	3526.60
	Note: Item no 11.55 & 11.56 are brought from Sub Head 8 i.e. Cladding Work Item no 8.12 & 8.13		

SUB HEAD : 12.0

ROOFING

BASIC RATES (SH: 12.0 ROOFING)

Code No.	Description	Unit	Rate ₹
0013	Machine for rubbing of floors	day	300.00
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
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
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
0128	Mate	day	617.00
0130	Mistry	day	738.00
0131	Painter	day	679.00
0139	Skilled Beldar (for floor rubbing etc.)	day	617.00
0155	Mason (average)	day	709.00
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	10.00
0223	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement corrugated sheet 6 mm thick	sqm	225.00
0224	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement close fitting adjustable ridge	metre	210.00
0225	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement corrugate serrated adjustable ridge	metre	210.00
0226	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement plain wing adjustable ridge	metre	210.00
0227	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement unserrated adjustable ridge for hips	metre	210.00
0228	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement corrugated apron piece	metre	200.00
0229	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement eaves filler piece	each	175.00
0230	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement north light curves	metre	280.00
0231	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement ventilator curves	each	310.00
0232	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement barge boards boards 6 mm thick	metre	400.00

Code No.	Description	Unit	Rate ₹
0233	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement ridge finial	pair	165.00
0234	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement special north light curves	each	555.00
0235	Fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement S type louvers	each	260.00
0236	Multi purpose fibre (reinforced by organic fibres and/or inorganic synthetic fibres) cement board 6 mm thick	sqm	210.00
0242	6 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	195.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1350.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1350.00
0308	Bhusa	quintal	500.00
0309	Paving bitumen of grade VG-10 of approved quality	tonne	25614.00
0314	Bitumen hot sealing compound : grade A	kg	28.00
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
0341	Flat pressed 3 layer particle board (medium density) Grade 1, 12 mm thick	sqm	288.00
0367	Portland Cement (OPC-43 Grade)	tonne	4940.00
0368	White Cement	tonne	11200.00
0370	Coal (steam)	quintal	440.00
0452	Brass screws 25 mm	100 Nos	100.00
0637	Bright finished or black enameled mild steel screws 40 mm	100 Nos	60.00
0765	Hessian cloth	sqm	35.00
0771	Kerosene oil	litre	50.00
0811	Mud (dry)	cum	165.00
0845	Roofing paint for iron sheets in red colour	litre	120.00
0865	Pig lead	kg	130.00
0869	Plaster of Paris	kg	5.00
0870	Plug	each	10.00
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kg	60.00
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
0982	Coarse sand (zone III)	cum	1350.00
0992	Galvanised steel plain sheets	quintal	5000.00
0994	Standard quality hard board sheet 3 mm thick	sqm	135.00

Code No.	Description	Unit	Rate ₹
0996	Standard quality hard board sheet 4.5 mm thick	sqm	210.00
1001	Spun yarn	kg	50.00
1008	Flats up to 10 mm in thickness	quintal	4500.00
1015	Mild steel expanded metal 20x60 mm strands 3.25 mm wide 1.60 mm thick	sqm	280.00
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
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
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
1190	Second class teak wood in planks	10 cudm	791.00
1196	First class kail wood in planks	10 cudm	300.00
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	kg	35.00
1219	Wire nails	kg	58.00
1220	Wire mesh (rabbit)	sqm	42.00
1331	M.S. Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	30.00
1984	Common burnt clay F.P.S. bricks tile class designation 10	1000 Nos	4500.00
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
2207	Carriage of Brick tiles	1000 Nos	166.03
2209	Carriage of Cement	tonne	92.24
2211	Carriage of Tar / Bitumen	tonne	103.77
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	92.24
2273	Carriage of A.C.sheet and accessories	tonne	92.24
2302	Carriage of G.I. sheet and accessories	tonne	92.24

Code No.	Description	Unit	Rate ₹
2308	Carriage of Plaster of paris	tonne	92.24
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
4009	Mild steel tubes hot finished welded type	kg	40.00
4202	Red oxide Zinc chromate primer	litre	110.00
7009	12.5 mm thick tapered edge gypsum plain borad	sqm	155.00
7010	Galvanised Steel ceiling section (size 80x26x0.50 mm)	metre	46.00
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50 mm)	metre	22.00
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90 mm)	metre	38.00
7013	Galvanised Steel angle hanger (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
7028	12.5 mm thick Fully Perforated gypsum board	sqm	410.00
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	275.00
7050	PU Primer	sqm	60.00
7051	40 mm (average) PU spray having 40-45 kg/m ³ density	sqm	400.00
7052	GI wire netting 3/4" x 24 G	sqm	26.00
7053	400 G polythene sheet	sqm	14.00
7090	Expanded polystyrene type N- Normal 50 mm thick	sqm	125.00
7091	Expanded polystyrene type - SE 50 mm thick	sqm	150.00
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

Code No.	Description	Unit	Rate ₹
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
7238	High Albedo paint	kg	230.00
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
7273	Resin Bonded Rockwool 48 kg/m ³	sqm	120.00
7385	3 mm thick translucent white acrylic plastic sheet	sqm	550.00
7386	12 mm thick particle board ceiling tile	sqm	110.00
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	11.00
7857	P.T.M.T. Grating square slit 150 mm	each	66.75
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	4900.00
8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15 mm thick on edges	sqm	685.00
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33 mm (3 metre long)	each	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

Code No.	Description	Unit	Rate ₹
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	1.00
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
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
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

Code No.	Description	Unit	Rate ₹
8676	Precoated galvanised steel barge board (upto 300mm)	metre	215.00
8677	Precoated galvanised steel crimp curve	sqm	230.00
8699	8 mm thick tapered edge calcium silicate board	sqm	265.00
8784	8 mm thick Calcium silicate perforated tiles of size 595 x595 mm	sqm	833.00
9977	Carriage	L.S.	2.00
9988	Carriage and sundries	L.S.	2.00
9999	Sundries	L.S.	2.00

12.0 ROOFING

Code No.	Description	Unit	Rate ₹
SHEET 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/m ²	sqm	1234.25
12.1.2	0.80 mm thick with zinc coating not less than 275 gm/m ²	sqm	1061.80
12.1.3	0.63 mm thick with zinc coating not less than 275 gm/ m ²	sqm	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	metre	86.70
12.2.2	0.80 mm thick	metre	69.35
12.2.3	0.63 mm thick	metre	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	metre	494.20
12.3.2	0.80 mm thick	metre	394.75
12.3.3	0.63 mm thick	metre	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/m ²	metre	781.40
12.4.2	0.63 mm thick with zinc coating not less than 275 gm/m ²	metre	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/m ²	metre	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/m ²	metre	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/m ²	metre	765.00
12.7.2	0.63 mm thick with zinc coating not less than 275 gm/m ²	metre	705.70

Code No.	Description	Unit	Rate ₹
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.	sqm	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.	metre	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.	metre	191.60
12.11	Extra for providing and fixing wind ties of 40x 6 mm flat iron section.	metre	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	metre	433.40
12.12.2	Plain wing adjustable ridges	metre	433.40
12.12.3	Close fitting adjustable ridges	metre	487.25
12.12.4	Unserrated adjustable hips	metre	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	metre	358.75
12.13.2	Eave's filler pieces	metre	290.60
12.13.3	North light curves	metre	486.70
12.13.4	Ventilator curves	metre	529.05
12.13.5	Barge boards	metre	625.60
12.13.6	Ridge finials	pair	260.65
12.13.7	Special north light curves	each	871.60
12.13.8	S type louvers	metre	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.	metre	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 cudm per 10 sqm, including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete :		
12.15.1	With residual type petroleum bitumen of grade VG -10	sqm	126.00

Code No.	Description	Unit	Rate ₹
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	sqm	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	sqm	847.10
12.18	Extra for every additional 1 cm thickness of mud phaska.	sqm	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	sqm	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.	sqm	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	metre	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 x 1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	each	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 :		

Code No.	Description	Unit	Rate ₹
12.23.1	Red sand stone slab		
12.23.1.1	40 to 50 mm thick	sqm	793.10
12.23.2	White sand stone slab		
12.23.2.1	40 to 50 mm thick	sqm	815.15
CEILING			
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	sqm	733.75
12.24.2	White face insulating board		
12.24.2.1	12 mm thick	sqm	770.55
12.24.3	Flame retardant face insulating board		
12.24.3.1	12 mm thick	sqm	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	sqm	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 seperatately).		
12.26.1	6 mm thick Cement fiber board as per IS: 14862	sqm	733.05
12.26.2	6 mm thick Cement bonded wood particle board as per IS:14276	sqm	711.00
12.27	Extra for Circular cutting including wastages in ceiling with:		
12.27.1	2nd class teak wood planks 20 mm thick	metre	603.05
12.27.2	Natural colour insulating board		
12.27.2.1	12 mm thick	metre	369.10
12.27.3	White face insulating board:		
12.27.3.1	12 mm thick	metre	373.70
12.27.4	Flame retardant face insulating board:		
12.27.4.1	12 mm thick	metre	389.25
12.27.5	Standard quality hard board sheet:		
12.27.5.1	3 mm thick	metre	355.30
12.27.5.2	4.5 mm thick	metre	369.05
12.28	Extra for providing and fixing ceiling to curved surfaces in narrow widths	sqm	338.90

Code No.	Description	Unit	Rate ₹
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	sqm	1324.05
12.31.2	Curved surfaces	sqm	1584.15
12.32	Extra for sunk or raised mouldings in the plaster of Paris (Gypsum anhydrous) ceiling.	sqm	445.90
12.33	Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5 metres height from floor level.	sqm per metre height	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 / m ³ , 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.	sqm	580.25
12.35	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183. Density 16 kg/m ³ , 50 mm thick, wrapped in 200G Virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.	sqm	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	sqm	275.10
12.36.2	With Type SE - Self Extinguishing type 50 mm thick	sqm	311.85
RAIN WATER SPOUT AND PIPE			
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	each	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	each	287.45
12.38.2	150 mm diameter	each	307.50
12.39	Providing lead caulked joints to sand cast iron rain water pipes and fittings:		
12.39.1	100 mm dia Pipe	each	421.15
12.39.2	150 mm dia Pipe	each	575.95

Code No.	Description	Unit	Rate ₹
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	each	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	metre	201.10
12.41.2	110 mm diameter	metre	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	each	77.85
12.42.1.2	110 mm	each	117.80
12.42.2	Single pushfit Coupler		
12.42.2.1	75 mm	each	77.85
12.42.2.2	110 mm	each	108.45
12.42.3	Single tee with door		
12.42.3.1	75x75x75 mm	each	139.85
12.42.3.2	110x110x110 mm	each	203.30
12.42.4	Single tee without door		
12.42.4.1	75x75x75 mm	each	122.45
12.42.4.2	110x110x110 mm	each	188.55
12.42.5	Bend 87.5°		
12.42.5.1	75 mm bend	each	89.90
12.42.5.2	110 mm bend	each	129.85
12.42.6	Shoe (Plain)		
12.42.6.1	75 mm Shoe	each	79.20
12.42.6.2	110 mm Shoe	each	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	each	290.15
12.43.2	110 mm	each	288.80

Code No.	Description	Unit	Rate ₹
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.	each	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)	sqm	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)	sqm	1237.05
12.45.3	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	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	sqm	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.	each	100.45

Code No.	Description	Unit	Rate ₹
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 rovigs 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	sqm	1095.20
12.47.2	2 mm thick flat	sqm	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).	sqm	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).	sqm	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.	sqm	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)	metre	416.30
12.51.2	Flashings/ Aprons.(Upto 600 mm)	metre	368.60
12.51.3	North light curves	metre	443.05
12.51.4	Barge board (Upto 300 mm)	metre	355.80
12.51.5	Crimp curve	sqm	408.95
12.51.6	Gutter (600 mm over all girth)	metre	1041.75

Code No.	Description	Unit	Rate ₹
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 x 1.6 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 GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	sqm	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.	sqm	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.	sqm	1880.95

Code No.	Description	Unit	Rate ₹
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.	sqm	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 polyster baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge. Note :- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/ opening (cut outs) having area less than 0.30 sqm.The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection > 85%, non- combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity <0.043 w/ mK.	sqm	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		

Code No.	Description	Unit	Rate ₹
	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.	sqm	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.	sqm	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.	sqm	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.	sqm	1412.20
12.57	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m ³ , 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.	sqm	316.40

Code No.	Description	Unit	Rate ₹
12.58	<p>Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.</p>		
12.58.1	<p>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.</p>	sqm	1759.75
12.59	<p>Providing & fixing false ceiling at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I channels 45 x15 x 0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm</p>		

Code No.	Description	Unit	Rate ₹
	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.	sqm	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.	sqm	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.	sqm	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.	sqm	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.	sqm	314.85



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