



सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

केन्द्रीय लोक निर्माण विभाग

CENTRAL PUBLIC WORKS DEPARTMENT

दिल्ली दर अनुसूची

(भाग - 1)

DELHI SCHEDULE OF RATES

(Vol. 1)

2016



महानिदेशक, के.लो.नि.वि., नई दिल्ली के प्राधिकार के अधीन प्रकाशित
Published under the Authority of Director General, CPWD, New Delhi

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

DISCLAIMER

The rates taken in Delhi Schedule of Rates 2016 are indicative and actual rates shall be governed by the market forces. Further its use by Govt. Departments, PSUs, private bodies & individuals shall be at their own risk and discretion. CPWD shall not be responsible for any ambiguity, discrepancy, dispute or financial loss, arising directly or indirectly by using or following items of DSR by such Govt./Private bodies or individuals.

For feed back and suggestions, please contact SE(TAS), CPWD, Room No. 418, "A" Wing, Nirman Bhawan, New Delhi. Tel. No. 011-23062339, Email: delsetascsq.cpwd@nic.in

A GOVERNMENT OF INDIA PUBLICATION

Published by

DIRECTOR GENERAL

CPWD, Nirman Bhawan, New Delhi - 110011

&

Printed & Marketed by

JAIN BOOK AGENCY

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

Distributed by

JBA DISTRIBUTORS

4782/23, Ansari Road,
Daryaganj
New Delhi-110002
Phone : 4433 2211, 44332222
E-mail : sales@jba.in
Website : www.jba.in

JAIN BOOK AGENCY (SOUTHEND)

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

JAIN BOOK AGENCY (GURGAON)

19, Central Plaza Mall, Sector 53,
Golf Course Road,
Gurgaon 122002 Haryana
Phone : 4143020
Mobile : 9810666810

JAIN BOOK AGENCY (INTERNATIONAL)

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

JAIN BOOK AGENCY (GREATER NOIDA)

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

JAIN BOOK DEPOT

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



DIAL-A-BOOK
011-44332211

Books will be delivered next day by COURIER

(Payment to courier-boy)

in Delhi, Noida, Ghaziabad, Faridabad & Gurgaon (nominal courier charges extra)

ISBN : 978-81-932679-0-5

Also available at

All Leading Booksellers & Authorised Govt. Dealers In India

Price : Rs. 1200/- (for both volumes) excluding postage and forwarding charges etc.



DIVAKAR GARG
Director General



भारत सरकार
Government of India



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

FOREWORD

Delhi Schedule of Rates, being published by Central Public Works Department from time to time, is a very comprehensive technical document and useful in execution of civil construction works. Apart from C.P.W.D., this Schedule of Rates is used as a guide by many departments, institutions, public sector undertakings, architects, builders, contractors, etc.

The Central Public Works Department 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 technologies and market rates. The Delhi Schedule of Rates were revised many times in the subsequent years viz 1977, 1981, 1985, 1989, 1993, 1997, 2002, 2007, 2010 (Reprint), 2012, 2013 & 2014.

Earlier Hindi version of DSR was being published separately, but considering the convenience and mandate for use of Hindi, the present DSR has been made bilingual and covered in two volumes.

The prices of labour and materials have registered some changes since last publication. Besides the cost, there has been spurt of new construction technologies and materials. This has necessitated revision of existing DSR 2014 to include the above changes.

Although this DSR contains most of the items of DSR 2014, the nomenclature of existing items has been reviewed & updated wherever found necessary. The items pertaining to new technology and materials have been added in New Sub head 26 for use of field units and feedback on these items.

I wish to place on record the technical input and effective coordination on the part of Shri Abhai Sinha, Spl. DG (HQ), Shri Balraj Chadha ADG (TD), Shri M.K. Sharma CE (CSQ)-(Civil) and the efforts put in by Shri S.P. Chaudhary Director (Tech. & PR), Shri P.P. Singh SE (TAS) and his team of officers in CSQ unit in finalizing the DSR-2016 in a short time.

I am sure that this Schedule of Rates 2016 will be quite useful to all concerned Engineers & Architects in the Building construction industry in general and CPWD in particular.

Place: New Delhi
Date: July 2016


(Divakar Garg)
Director General

PREFACE

1. Delhi Schedule of Rates-2016 includes the existing items of DSR 2014 with deletion of few obsolete items, merger of similar items and addition of new items in line with emerging trends in construction Industry.
2. DSR-2016 is based on the prevailing market rates of materials in Delhi as on 01.04.2016. The labour rates adopted are as per minimum wages applicable w.e.f 01/04/2016 issued by Govt. of Delhi/ Govt. of India, whichever is higher.
3. The cost index for DSR 2016 is **102** with reference to CPWD Plinth Area Rates 2012, having base 100 as on 01/10/2012.
4. This DSR 2016 shall be read along with CPWD specifications 2009 Vol.-I & II with up to date Correction Slips.
5. Following are the **Salient Features** of DSR-2016.
 - 5.1 DSR-2016 is bilingual and in two volumes.
 - 5.1.1 Sub-head Nos. 24, 25 & 26 of DSR-2014 have been re-numbered as 23, 24 & 25 respectively due to separate publication of DSR for 'Horticulture and Land Scaping'.
 - 5.1.2 New Sub- head No. 26 for New Technologies and Materials has been introduced.
 - 5.1.3 The rates of basic materials incorporated in this DSR 2016 are considered for the materials available in the market, conforming to BIS Standards/ CPWD Specifications.
 - 5.1.4 The items relating to uPVC windows have been made composite & units of measurement converted from metre to square metre with a number of possible combinations of window profiles. Provision for tolerance to profiles sizes have been made to allow for innovations and vendor variations.
- 6.0 Keeping in view amendments in IS: 383-2016, the use of manufactured aggregate (RCA & RA) have been permitted in the Concrete and RCC work.

Salient Modifications and Changes in Sub Heads:

- 7.1 **Carriage of Materials:** Item No. 1.1.18 for 'Disposal of moorum/ building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport' has been added.
- 7.2 **Concrete Work:** The items with FINE SAND have been deleted.
- 7.3 **RCC Work:** The items of 1:2:4 nominal concrete mix (M15) have been modified to 1:1 ½ :3 nominal concrete mix (M20) due to changes in IS 456 in the minimum grade of concrete to M20 keeping in view durability consideration. However, the use of nominal mix in RCC work is to be discouraged.
- The item no. 5.29 for Non- asbestos cement bonded wood particle board 6 mm thick as per IS: 14276 for covering of expansion joints has been added.
- 7.4 **Brick Work:** The item No. 6.47 for 'Autoclaved Aerated Cement blocks masonry with polymer modified adhesive mortar' has been added.
- 7.5 **Stone Work:** Item No. 7.23.5 wall lining (veneer work) with Gang saw cut sand stone has been added.
- 7.6 **Marble Work:** Item No. 8.13 for Polished Granite stone flooring has been added.
- 7.7 **Wood Work:** Item No. 8.13 for Cement bonded wood particle board as per IS:14276 has been added.
- Item Nos. **9.147.A to 9.147.F.4** for uPVC shutters having mode of measurement in square metre have been added by replacing old item in running metre.
- Item Nos. 9.161 to 9.165 (for 120 minutes fire rated) fire resistant door have been added.
- 7.8 **Steel Work:** Item Nos. 10.31 for angle iron frames for doors, windows for Maintenance Works has been added.
- 7.9 **Flooring:** Items Nos. 11.37.A & 11.46. A for ceramic tiles for skirting and screen printed border tile have been added.
- 7.10 **Roofing:** Item No. 12.26.2 for 6 mm thick Cement bonded wood particle board as per IS:14276 has been added.
- 7.11 **Finishing:** Item No. 13.86 for 6 mm plaster on cement concrete or reinforced cement concrete work with white cement based polymer modified self curing mortar has been added.
- 7.12 **Repairs to building:** Item No. 14.75 for repair to plaster with white cement based polymer modified self curing mortar has been added.

7.13 **Road Work:** Item No. 16.95 to 16.97 for Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes have been added.

7.14 **Sanitary Installation:** Items pertaining to Hubless pipes as per IS:15905 (**22 Nos.**) vide Item Nos 17.35.1.3 to 17.60.2.3 have been added.

Item No 17.81 pertaining to floor mounted double siphoned water closet have been added.

7.15 **Water Proofing :** Item No. 22.22 to 22.26 for waterproofing treatment have been added.

8.0 **New Technologies and Materials**

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

8.1 Phenol bonded Bamboo wood flooring, wall skirting, wall cladding. 25 mm and 30mm thick panelled and panelled /glazed shutters for doors and windows and Bamboo wood frame.

8.2 50mm thick extruded polystyrene rigid insulation board for cavity wall and under deck insulation.

8.3 Relevant items for modular kitchen.

8.4 Items relating to Polypropylene Geogrid, Nonwoven Geotextile drainage composite and High strength flexible Geogrids (HSFG) as soil reinforcement.

8.5 Items for Aluminium profile industrial troughed sheet roofing.

8.6 Security guard with and without gun.

8.7 P/F Densified calcium silicate false ceiling tiles, GRG false ceiling tiles and Mineral fiber false ceiling tiles.

8.8 Repair and Rehabilitation 13 Nos. Items

8.9 New Technology items viz. Light Gauge Steel Framed Structure (LGSFS), Expanded Polystyrene Core (EPS Core) wall panel and roof/floor panels and Customized Aluminum formwork for monolithic construction.

8.10 While preparing the DSR, it is ensured that brand name, product of any particular company, proprietary items does not find place in the nomenclature of the items. In case, any such item having brand name/ manufactures name is noticed, it may be brought to the notice of Superintending Engineer (TAS), CPWD, Nirman Bhawan, New Delhi for remedial action.

9.0 Lot of efforts have gone into the preparation of this Delhi Schedule of Rates 2016 (Bilingual). I convey my deep appreciation and sincere thanks to Shri M. K. Sharma - CE(CSQ), Shri S. P. Chaudhary - Director(Tech. & PR), Shri P. P. Singh - SE(TAS) and his team comprising Shri R. B. Garg - EE(TAS-II), Shri K. R. Meena - EE(TAD), Shri Kunwar Chandresh - EE(e-Gov.), Shri S. K. Srivastava - EE(QA), Shri D. K. Chaudhary - EE(QA),

Shri D. S. Adhikari - AE(QA), Shri K. N. Singh - AE(TAS), Shri D. K. Malhotra - AE(TAS), Ms. Anjana Reghu - JE, Shri Chalapaka Ramraju - JE, Shri Naveen Kumar P. - JE, Shri Jai Prakash - Chief Estimator, Shri Kishan Singh - Sr. D/man, Shri Bhim Singh - Sr. D/man; Shri Sanjeev Rastogi - SE(C&M) and his team comprising Shri Virendra Kumar - EE(M), Shri Keshav Ram - EE(C), Shri H. K. Gupta - AE(C), Shri Dalbir Singh - Sr.D/man; Shri Som Lal Kajal - EE(HQ); Shri Sanjay Singh - AD(OL) and his team for Hindi translation of DSR-2016, and other officers and staff of CSQ 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- 2016 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).

Suggestions for improvement are always welcome.



(Balraj Chadha)

ADG (TD) CPWD

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

Committees for Bringing Out New edition of DSR 2016

CPWD DSR is a very comprehensive document. Delhi Schedule of Rate 2016 includes the existing item of DSR 2014 with deletion of few obsolete items, merger of similar items and addition of new items in line with emerging trends in construction industry. DSR 2016 is based on prevailing market rates of material and labour in Delhi as on 01.04.2016. To bring out new edition of DSR 2016 it was felt necessary to take input from as many officers as possible and utilize their experiences in this regard. Accordingly, the following committees were constituted for the above task.

I. Drafting Committee

(a)	Shri M.K. Sharma, CE (CSQ)-Civil	Chairman
(b)	Shri S.P. Chaudhary, Director (Tech. & PR)	Member
(c)	Shri Sanjeev Rastogi, SE (C&M)	Member
(d)	Shri P.P. Singh, SE (QA-cum-TLC)	Member
(e)	Shri K.R. Meena, EE (TAD)	Member
(f)	Shri R.B. Garg, EE (TAS)	Member
(g)	Shri Kunwar Chandresh, EE (E-gov.)	Member
(h)	Shri D.K. Chaudhary, EE (QA)	Member
(i)	Shri S.K. Srivastava, EE (QA)	Member
(j)	Shri Keshav Ram, EE (Contracts)	Member
(k)	Shri Virendra Kumar, EE (Manual)	Member

2. Committee for review/revision of items of sub head 3, 4, 5 & 20 of DSR 2014

(a)	Shri A.K. Garg, CE (CDO)	Chairman
(b)	Shri Rajesh Khare, SE (D)	Member
(c)	Shri A.K. Gupta, SE (D)	Member

3. Committee for review/ revision of items of sub head 9, 21, & 25 of DSR 2014

(a)	Shri Prabhakar Singh, CE (NDZ)-I	Chairman
(b)	Shri K.S. Warriach, SE (P)-NDZ-I	Member
(c)	Shri Manoj Talreja, SE DCC-II	Member

4. Committee for review/ revision of items of sub head 1, 2 & 26 of DSR 2014

(a)	Shri Akhilesh Kumar, CE (NDZ)-II	Chairman
(b)	Shri R.K. Kashyap SE (P)-NDZ-II	Member
(c)	Shri B.K. Sinha, SE-DCC-IX	Member

5. Committee for review/ revision of items of sub head 11,12 & 13 of DSR 2014

- | | | |
|-----|----------------------------------|----------|
| (a) | Shri Bhagwan Singh, CE (NDZ)-III | Chairman |
| (b) | Shri N.K. Khatri, SE (P)-DCC-VI | Member |
| (c) | Shri Rajeev Gupta, SE-DCC-VIII | Member |

6. Committee for review/revision of items of sub head 6, 7, 10, & 24 of DSR 2014

- | | | |
|-----|------------------------------|----------|
| (e) | Shri P.K. Singh, CE (NDZ)-IV | Chairman |
| (a) | Shri Rajeev Gupta, SE-DCC-V | Member |
| (b) | Shri R.R. Verma, PM SCP | Member |

7. Committee for review / revision of items of sub head 17 & 18 of DSR 2014

- | | | |
|-----|--------------------------------|----------|
| (a) | Shri Ranjit Singh, CE (NDZ-V) | Chairman |
| (b) | Shri Rajesh Banga, SE-DCC-IV | Member |
| (c) | Shri Prem Mohan, PM NDP Circle | Member |
| (d) | Shri Anurag Khare, SE-VBC | Member |

8. Committee for review/revision of items of sub head 22 of DSR 2014

- | | | |
|-----|------------------------------|----------|
| (a) | Shri S.L. Meena, CE (NDZ)-VI | Chairman |
| (b) | Shri O.S. Saini, SE-DCC-X | Member |

9. Committee for review/revision of items of sub head 14 & 15 of DSR 2014

- | | | |
|-----|------------------------------------|----------|
| (a) | Shri Brijendra Kumar, CE (NDZ)-VII | Chairman |
| (b) | Shri S.S. Khanna, SE-DCC-XI | Member |
| (c) | Shri Gajendra Kumar, SE-DCC-XII | Member |

10. Committee for review/revision of items of sub head 8 of DSR 2014

- | | | |
|-----|------------------------------------|----------|
| (a) | Shri Rabindra Kumar, CE (NDZ)-VIII | Chairman |
| (b) | Shri Anurag Garg, SE GCC | Member |

11. Committee for review/revision of items of sub head 16 & 19 of DSR 2014

- | | | |
|-----|-------------------------------------|----------|
| (a) | Shri S.K. Rampal, CE (PWD-MZ-I) | Chairman |
| (b) | Shri Pradeep Gupta, CE, (East Zone) | Member |
| (c) | Shri A.K. Agarwal, SE (NE) | Member |
| (d) | Shri K.R. Bhandaria, SE (NW) | Member |

12. Committee for making available basic rates for building materials as on 01.04.2016

- | | |
|-----|--|
| (a) | Shri Prabhakar Singh, CE (NDZ)-I Now ADG (NDR) |
| (b) | Shri Akhilesh Kumar, CE (NDZ)-II |
| (c) | Shri Bhagwan Singh, CE (NDZ)-III |
| (d) | Shri P.K. Singh, CE (NDZ)-IV |
| (e) | Shri S.K. Rampal, CE (PWD MZ-I) |

The above committees carried out their work under the overall supervision and guidance of Shri P.K. Garg the then ADG (TD).

C O N T E N T S

Vol. 1

SH. No.	NAME OF SUB-HEAD	PAGE No.
A.	BASIC RATES	
0.1	HIRE CHARGES OF PLANTS	2
0.2	LABOUR	5
0.3	MATERIALS	7
0.4	CARRIAGE CODES	63
B.	SUB -HEADS	
1.	Carriage of Materials	66
2.	Earth Work	74
3.	Mortars	82
4.	Concrete Work	85
5.	Reinforced Cement Concrete	93
6.	Brick Work	108
7.	Stone Work	116
8.	Marble and Granite Work	126
9.	Wood and PVC Work	131
10.	Steel Work	179
11.	Flooring	187
12.	Roofing	201
Note : For Sub Heads 13 to 26 refer to Vol. 2		

C O N T E N T S

Vol. 2

SH. No.	NAME OF SUB-HEAD	PAGE No.
13	Finishing	223
14	Repairs to Buildings	236
15	Dismantling and Demolishing	251
16	Road Work	259
17	Sanitary Installations	283
18	Water Supply	308
19	Drainage	349
20	Pile work	364
21	Aluminium Work	371
22	Water Proofing	378
23	Rain Water Harvesting & Tubewells	389
24	Conservation of Heritage Buildings.	395
25	Structural Glazing Aluminium Composite Panel	399
26	New Technologies and Materials	407
C.	CEMENT CONSUMPTION STATEMENT	429
D.	BITUMEN CONSUMPTION STATEMENT	464

DELHI SCHEDULE OF RATES

(Vol. 1)

दिल्ली दर अनुसूची

(भाग - 1)

2016

BASIC RATES

BASIC RATES

0.1 HIRE CHARGES OF PLANTS & MACHINERY

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

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	2200.00
0004	Production cost of concrete by batch mix plant	cum	400.00
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	250.00
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	200.00
0010	Hire charges of Derrick monkey rope	day	800.00
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	650.00
0012	Vibrator (Needle type 40 mm)	day	350.00
0013	Machine for rubbing of floors	day	350.00
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	2000.00
0016	Mastic Cooker	day	750.00
0017	Hire and running charges of tipper	day	1800.00
0018	Hire and running charges of loader	day	6000.00
0019	Hand Grinder for mirror polish	day	250.00
0020	Hydraulic Excavator (3D) with driver and fuel	day	6500.00
0021	Pin vibrator	day	250.00
0022	Surface Vibrator	day	250.00
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	34000.00
0025	Hire and running charges of light crane	day	2500.00

BASIC RATES : 0.1 HIRE CHARGES OF PLANTS & MACHINERY

Code No.	Description	Unit	Rate ₹
0026	Hire and running charges of bentonite pump	day	4200.00
0027	Hire and running charges of vibrating pile driving hammer complete with power unit and accessories	day	35000.00
0028	Hire and running charges of crane 20 tonne capacity	day	9300.00
0029	Carriage of concrete by transit mixer	km/cum	23.00
0030	Generator 250 KVA	day	2500.00
0033	Paint applicator	day	800.00
0037	Mobile crane	day	7500.00
0038	Tractor with ripper attachment	day	1100.00
0039	Tractor with trolley	day	1250.00
0040	Air compressor 250 cfm with two leads for pneumatic cutters / hammers	day	1500.00
0041	Joint cutting machine with 2-3 blades	day	750.00
0042	C.C .batch mix plant	day	10000.00
0043	Road sweeper	day	550.00
0045	Slip form paver with sensor	day	13000.00
0046	Water tanker 5000 litre	day	1100.00
0047	Concrete joint cutting machine	day	900.00
0048	Texturing machine	day	925.00
0049	Dozer D-80-A 12	hour	2000.00
0050	Motor Grader 3.35 metre blade	hour	2100.00
0051	Hydraulic Excavator of 1 cum bucket	hour	800.00
0052	Front end loader 1 cum bucket capacity	hour	800.00
0053	Tipper-5 Cum	tonne km	3.00
0054	Vibratory roller 8 to 10 tonne	hour	650.00
0055	Smooth Wheeled Roller 8 to 10 tonne	hour	200.00
0056	Tandem Road Roller	hour	1150.00
0057	Water Tanker 5 to 6 KL capacity	hour	200.00
0058	Air compressor	hour	200.00
0059	Wet Mix Plant 60 TPH	hour	750.00
0060	Mechanical Broom Hydraulic	hour	200.00
0061	Emulsion Pressure Distributor of capacity 1750 sqm per hour	hour	800.00

BASIC RATES : 0.1 HIRE CHARGES OF PLANTS & MACHINERY

Code No.	Description	Unit	Rate ₹
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	700.00
0066	Batching and Mixing Plant @ 75 cum per hour	hour	2500.00
0068	Concrete Paver finisher with 40 HP Motor and sensor	hour	2500.00
0069	Generator 250 KVA	hour	400.00
0070	Generator 100 KVA/125 KVA	hour	300.00
0071	Truck 5.5 cum/10 tonnes	tonne km	3.00
0075	Road sweeper (Mechanical Broom) @ 1250 sqm per hour	hour	300.00
0076	Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output	hour	11000.00
0080	Hire and running charges of drill machine up to 400 mm dia (including cost of mobile oil, diesel consumption in ordinary soil and operator)	day	7500.00
0081	Pile Integrity testing equipment	day	3000.00
0082	Excavation of Diaphragm wall by Mechanical Grab	sqm	1500.00
0083	Hire charges of TATA 407 or equivalent for local shifting.	day	1400.00
Note :- 1. Above hire - charges (from item code 0001 to 0083) include cost of services of operating staff, Cost of lubricating oil, diesel / Petrol/ Kerosene oil , other consumables for running the plant and machinery and all the taxes. 2. The hire charges of plant machinery on per day basis are for single shift of eight working hours.			
0084	Hire charges of diesel truck - 9 tonne (witout POL)	day	1460.00
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
0088	Hire charges of Drill machine upto 30 mm dia	day	150.00
0089	Hire charges of sand blasting equipment	day	400.00
0090	Hire charges of compressor	day	600.00
0091	Welding charges of shear key to existing reinforcement	each	2.00
0092	Hire charges of plant and Machinery that can inject 350 kg/day	day	100.00

BASIC RATES : 0.1 HIRE CHARGES OF PLANTS & MACHINERY

BASIC RATES

0.2 LABOUR

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

Code No.	Description	Unit	Rate ₹
0100	Bandhani	day	407.00
0101	Bhisti	day	407.00
0102	Blacksmith 1st class	day	487.00
0103	Blacksmith 2nd class	day	448.00
0111	Carpenter 1st class	day	487.00
0112	Carpenter 2nd class	day	448.00
0113	Chowkidar	day	368.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0116	Fitter (grade 1)	day	487.00
0117	Assistant Fitter or 2nd class Fitter	day	448.00
0119	Glazier	day	448.00
0122	Mason (for plaster of paris work) 1st class	day	487.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0125	Mason (for plain stone work) 2nd class	day	448.00
0126	Mason (for ornamental stone work) 1st class	day	487.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	487.00
0128	Mate	day	407.00
0129	Sewer man	day	390.00
0130	Mistry	day	487.00
0131	Painter	day	448.00
0132	Rock Excavator	day	368.00
0133	Rock Breaker	day	368.00
0134	Rock Hole Driller	day	368.00
0135	Stone Chiseller	day	407.00
0138	Sprayer (for bitumen, tar etc.)	day	407.00
0139	Skilled Beldar (for floor rubbing etc.)	day	407.00
0141	White Washer	day	407.00

Code No.	Description	Unit	Rate ₹
0154	Nozzel man/ gun man	day	487.00
0155*	Mason (average)	day	467.00
0156*	Carpenter (average)	day	467.00
0157	Operator (Pile/ Special machine)	day	487.00
0159	Skilled torch operator for laying tack	day	487.00
0160	Technician	day	775.00
0161	Helper (Technician)	day	368.00
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	407.00
0165	Security guard with gun (8 hours shift duty per day)	day	448.00
*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 contractor's profit and over heads and carriage but include octroi, royalty, excise duty (ED), sales tax (VAT) etc.

Code No.	Description	Unit	Rate ₹
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	37.00
0223	Fibre (high impact poly propylene reinforced) cement corrugated sheet 6 mm thick	sqm	225.00
0224	Fibre (high impact poly propylene reinforced) cement close fitting adjustable ridge	metre	210.00
0225	Fibre (high impact poly propylene reinforced) cement corrugate serrated adjustable ridge	metre	210.00
0226	Fibre (high impact poly propylene reinforced) cement plain wing adjustable ridge	metre	210.00
0227	Fibre (high impact poly propylene reinforced) cement unserrated adjustable ridge for hips	metre	210.00
0228	Fibre (high impact poly propylene reinforced) cement corrugated apron piece	metre	200.00
0229	Fibre (high impact poly propylene reinforced) cement eaves filler piece	each	175.00
0230	Fibre (high impact poly propylene reinforced) cement north light curves	metre	280.00
0231	Fibre (high impact poly propylene reinforced) cement ventilator curves	each	310.00
0232	Fibre (high impact poly propylene reinforced) cement barge boards boards 6 mm thick	metre	400.00
0233	Fibre (high impact poly propylene reinforced) cement ridge finial	pair	165.00
0234	Fibre (high impact poly propylene reinforced) cement special north light curves	each	555.00
0235	Fibre (high impact poly propylene reinforced) cement S type louvers	each	260.00
0236	Multi purpose fibre (high impact poly propylene reinforced) cement board 6 mm thick	sqm	210.00
0237	Multi purpose fibre (high impact poly propylene reinforced) cement board 8 mm thick	sqm	215.00
0238	6 mm thick heavy duty fiber cement board	sqm	440.00
0239	8mm thick heavy duty fiber cement board	sqm	322.00
0240	9 mm thick heavy duty fiber cement board	sqm	659.00
0241	12.5 mm thick Gypsum plaster board	sqm	160.00
0242	6 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	205.00
0243	8 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	210.00
0285	Brick Aggregate (Single size) : 63 mm nominal size	cum	750.00
0286	Brick Aggregate (Single size) : 50 mm nominal size	cum	750.00
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	750.00
0291	Stone Aggregate (Single size) : 63 mm nominal size	cum	1150.00
0292	Stone Aggregate (Single size) : 50 mm nominal size	cum	1150.00
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	1250.00

Code No.	Description	Unit	Rate ₹
0294	Stone Aggregate (Single size) : 25 mm nominal size	cum	1250.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1300.00
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1300.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1300.00
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	1300.00
0302	Safeda ballies 125 mm diameter	metre	35.00
0303	Cowdung	cum	50.00
0304	Bajri	cum	1200.00
0305	Bamboo 25 mm dia 2.5 metre long	score	400.00
0308	Bhusa	quintal	600.00
0309	Paving bitumen of grade VG-10 of approved quality	tonne	29600.00
0310	Bitumen emulsion	tonne	26395.00
0312	Bitumen grade PMB - 40	tonne	38550.00
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	34561.00
0314	Bitumen hot sealing compound : grade A	kg	28.00
0316	Bitumen solution primer of approved quality	litre	50.00
0317	Premoulded joint filler 12 mm thick	sqm	303.00
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	35.00
0326	Blasting fuse (fuse wire)	each	15.00
0328	White face insulating board: 12 mm thick	sqm	250.00
0332	Natural colour insulating board: 12 mm thick	sqm	220.00
0336	Flame retardant face insulating board: 12 mm thick	sqm	330.00
0339	Flame retardant face insulating, Impregnated fibre board 12 mm thick	sqm	350.00
0341	Flat pressed 3 layer particle board (medium density) Grade 1, 12 mm thick	sqm	330.00
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side	sqm	270.00
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	180.00
0348	Extra for veneered particle board with Teak veneering on both sides	sqm	500.00
0349	Curing compound	litre	30.00
0351	Integral crystalline slurry	kg	270.00
0352	Integral crystalline admixture	kg	309.00
0353	Crystalline mortar	kg	248.00
0354	Integral crystalline dry shake	kg	412.00
0355	Swellable type water stop tape	metre	416.00
0356	Primer for swellable type water stop tape	litre	1750.00
0357	Polymer modified adhesive mortar	kg	14.50
0362	Brick bats	cum	500.00
0364	Wire brush	each	20.00
0365	Soft brush	each	18.00

Code No.	Description	Unit	Rate ₹
0367	Portland Cement (OPC-43 Grade)	tonne	5700.00
0368	White Cement	tonne	11200.00
0369	Plastic sheat,1.25 mm thick for dowel bars	sqm	30.00
0370	Coal (steam)	quintal	400.00
0371	Sealant primer	kg	125.00
0373	Cramp Gun metal 25x6x300 mm	each	80.00
0374	Pre moulded Joint filler, 25 mm thick for expansion joint.	sqm	450.00
0378	Brass butt hinges (light/ordinary type) : 125x70x4 mm	10 Nos	850.00
0379	Brass butt hinges (light/ordinary type) : 100x70x4 mm	10 Nos	700.00
0380	Brass butt hinges (light/ordinary type) : 75x40x2.5 mm	10 Nos	430.00
0381	Brass butt hinges (light/ordinary type) : 50x40x2.5 mm	10 Nos	180.00
0382	Brass butt hinges (heavy type) : 125x85x5.5 mm(0.70 kg)	10 Nos	1442.00
0383	Brass butt hinges (heavy type) : 100x85x5.5 mm(0.56 kg)	10 Nos	1153.00
0384	Brass butt hinges (heavy type) :75x65x4.0 mm (weighing not less than 0.20 kg)	10 Nos	950.00
0385	Brass parliamentary hinges 150x125x27x5 mm	10 Nos	3000.00
0386	Brass parliamentary hinges 125x125x27x5 mm	10 Nos	2600.00
0387	Brass parliamentary hinges 100x125x27x5 mm	10 Nos	2400.00
0388	Brass parliamentary hinges 75x100x20x3.2 mm	10 Nos	2100.00
0389	Brass single acting spring hinges 150 mm	each	460.00
0390	Brass single acting spring hinges 125 mm	each	298.00
0391	Brass single acting spring hinges 100 mm	each	260.00
0392	Brass double acting spring hinges 150 mm	each	498.00
0393	Brass double acting spring hinges 125 mm	each	410.00
0394	Brass double acting spring hinges 100 mm	each	370.00
0400	Brass tower bolt (barrel type) 250x10 mm	each	250.00
0401	Brass tower bolt (barrel type) 200x10 mm	each	200.00
0402	Brass tower bolt (barrel type) 150x10 mm	each	150.00
0403	Brass tower bolt (barrel type) 100x10 mm	each	100.00
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	140.00
0409	Brass handles 100 mm with plate 150x32 mm	each	130.00
0410	Brass handles 75 mm with plate 125x32 mm	each	100.00
0411	Brass door latch 300x16x5 mmweighing not less than 0.380 kg	each	180.00
0412	Brass door latch 250x16x5 mm weighing not less than 0.350 kg	each	170.00
0413	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	390.00
0414	Brass mortice latch 100x65mm with a pair of brass lever handles	each	300.00
0417	Brass 150 mm floor door stopper weighing not less than 0.357kg	each	170.00
0418	Brass hard drawn hooks and eyes 300 mm	10 Nos	650.00
0419	Brass hard drawn hooks and eyes 250 mm	10 Nos	635.00
0420	Brass hard drawn hooks and eyes 200 mm	10 Nos	590.00
0421	Brass hard drawn hooks and eyes 150 mm	10 Nos	450.00

Code No.	Description	Unit	Rate ₹
0422	Brass hard drawn hooks and eyes 100 mm	10 Nos	400.00
0423	Brass casement window fastener	each	50.00
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	135.00
0425	Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	110.00
0426	Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	100.00
0427	Brass quadrant stays 300 mm	each	125.00
0428	Brass fanlight catch	10 Nos	200.00
0429	Brass fanlight pivot	10 Nos	195.00
0430	Brass chain with hook for fan light catch	each	40.00
0431	Brass hasps and staples (safety type) 150 mm	10 Nos	780.00
0432	Brass hasps and staples (safety type) 115 mm	10 Nos	650.00
0433	Brass hasps and staples (safety type) 90 mm	10 Nos	560.00
0438	Brass night latch	each	595.00
0442	Brass helical spring 150 mm	each	310.00
0444	Brass curtain rod 20 mm dia 1.25 mm thick	metre	120.00
0445	Brass curtain rod 25 mm dia 1.25 mm thick	metre	140.00
0446	Brass brackets (curtain rods) 20 mm	each	45.00
0447	Brass cupboard knob or wardrobe knob 50 mm	each	35.00
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
0524	Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms	10 Nos	1000.00
0525	Chromium plated Brass butt hinges (light/ordinary) type 125x70x4mm	10 Nos	900.00
0526	Chromium plated Brass butt hinges (light/ordinary) type 100x70x4 mm	10 Nos	750.00
0527	Chromium plated Brass butt hinges (light/ordinary) type 75x40x2.5 mm	10 Nos	460.00
0528	Chromium plated Brass butt hinges (light/ordinary) type 50x40x2.5 mm	10 Nos	200.00
0552	75mm SS fancy handles for kitchen cabinet	10 Nos.	300.00
0553	100mm SS fancy handles for kitchen cabinet	10 Nos	500.00
0554	125mm SS fancy handles for kitchen cabinet	10 Nos	700.00
0555	Chromium plated Brass handles 125 mm with plate 175 x32 mm	each	175.00
0556	Chromium plated Brass handles 100 mm with plate 150 x 32 mm	each	150.00
0557	Chromium plated Brass handles 75mm with plate 125x32 mm	each	130.00
0558	Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	495.00
0568	Chromium plated brass casement window fastener	each	95.00
0569	Chromium plated Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	150.00
0570	Chromium plated Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	130.00

Code No.	Description	Unit	Rate ₹
0571	Chromium plated Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	115.00
0583	Chromium plated Brass Night latch	each	540.00
0584	Chromium plated Brass Wardrobe Knob 50 mm	each	85.00
0585	Chromium plated Brass screws 50 mm	100 Nos	340.00
0586	Chromium plated Brass screws 40 mm	100 Nos	310.00
0587	Chromium plated Brass screws 30 mm	100 Nos	250.00
0588	Chromium plated Brass screws 25 mm	100 Nos	190.00
0589	Chromium plated Brass screws 20 mm	100 Nos	170.00
0590	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	200.00
0591	Chromium plated Brass curtain rod 20 mm dia 1.25mm thick	metre	275.00
0592	Chromium plated Brass curtain rod 25 mm dia 1.25mm thick	metre	365.00
0593	C.P. Brass Extension Nipple (1/2"x2" size)	each	45.00
0594	Bright finished or black enameled mild steel butt hinges 125x65x 2.12 mm	10 Nos	140.00
0595	Bright finished or black enameled mild steel butt hinges 100x58x 1.90 mm	10 Nos	85.00
0596	Bright finished or black enameled mild steel butt hinges 75x47x 1.70 mm	10 Nos	60.00
0597	Bright finished or black enameled mild steel butt hinges 50x37x 1.50 mm	10 Nos	50.00
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	40.00
0635	Bright finished or black enameled mild steel screws 50 mm	100 Nos	77.00
0637	Bright finished or black enameled mild steel screws 40 mm	100 Nos	63.00
0638	Bright finished or black enameled mild steel screws 30 mm	100 Nos	50.00
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	37.00
0640	Bright finished or black enameled mild steel screws 20 mm	100 Nos	32.00
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	140.00
0643	Oxidised mild steel butt hinges 100x58x1.90 mm	10 Nos	90.00
0644	Oxidised mild steel butt hinges 75x47x1.70 mm	10 Nos	65.00
0645	Oxidised mild steel butt hinges 50x37x1.50 mm	10 Nos	55.00
0646	Oxidised mild steel parliamentary hinges 150x125x27x2.8 mm	10 Nos	340.00
0647	Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm	10 Nos	315.00
0648	Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm	10 Nos	235.00
0649	Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm	10 Nos	200.00
0650	Oxidised mild steel single acting spring hinges 150 mm	each	140.00
0651	Oxidised mild steel single acting spring hinges 125 mm	each	120.00
0652	Oxidised mild steel single acting spring hinges 100 mm	each	100.00
0653	Oxidised mild steel double acting spring hinges 150 mm	each	160.00
0654	Oxidised mild steel double acting spring hinges 125 mm	each	140.00
0655	Oxidised mild steel double acting spring hinges 100 mm	each	120.00
0656	Nickel plated mild steel piano hinges 1 mm thick 35 mm wide	metre	45.00
0660	Oxidised mild steel sliding door bolt 300x16 mm	each	95.00
0661	Oxidised mild steel sliding door bolt 250x16 mm	each	85.00
0662	Oxidised mild steel door latch 300x20x6 mm	each	50.00
0663	Oxidised mild steel door latch 250x20x6 mm	each	40.00

Code No.	Description	Unit	Rate ₹
0664	Oxidised mild steel tower bolt (barrel type) 250x10 mm	each	45.00
0665	Oxidised mild steel tower bolt (barrel type) 200x10 mm	each	35.00
0666	Oxidised mild steel tower bolt (barrel type) 150x10 mm	each	30.00
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	130.00
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	110.00
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	80.00
0682	Oxidised mild steel screws 50 mm	100 Nos	77.00
0683	Oxidised mild steel screws 40 mm	100 Nos	63.00
0684	Oxidised mild steel screws 30 mm	100 Nos	50.00
0685	Oxidised mild steel screws 25 mm	100 Nos	37.00
0686	Oxidised mild steel screws 20 mm	100 Nos	32.00
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	570.00
0688	Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	400.00
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	400.00
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	275.00
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	330.00
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	280.00
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	230.00
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	200.00
0696	Anodised Aluminium sliding door bolt 300x16 mm	each	150.00
0697	Anodised Aluminium sliding door bolt 250x16 mm	each	130.00
0698	Anodised Aluminium tower bolt (barrel type) 300x10 mm	10 Nos	590.00
0699	Anodised Aluminium tower bolt (barrel type) 250x10 mm	10 Nos	490.00
0700	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 Nos	390.00
0701	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 Nos	310.00
0702	Anodised Aluminium tower bolt (barrel type) 100x10 mm	10 Nos	230.00
0703	Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 Nos	330.00
0704	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10 Nos	280.00
0705	Anodised Aluminium handles 75mm with plate 125 x 32 mm	10 Nos	235.00
0706	Anodised Aluminium kicking plate 50 cm long 100x3.15 mm	each	145.00
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	1700.00
0715	Block board construction flush door with teak wood ply on both faces 25 mm thick	sqm	1500.00
0717	Block board construction flush door with commercial ply on both faces 35 mm thick	sqm	1000.00
0718	Block board construction flush door with commercial ply on both faces 30 mm thick	sqm	1000.00

Code No.	Description	Unit	Rate ₹
0719	Block board construction flush door with commercial ply on both faces 25 mm thick	sqm	960.00
0752	Block board construction flush door lipping 25 mm thick	sqm of door area	315.00
0753	Square vision panel in Block board construction flush door not exceeding 0.10 sqm	sqm of door area	140.00
0754	Circular vision panel in Block board construction flush door	sqm of door area	150.00
0755	Decorative type louvers in Block board construction flush door	sqm of door area	325.00
0757	Rebate cutting in block board construction flush door	sqm of door area	110.00
0759	Decorative plywood 4 mm	sqm	300.00
0761	Fuel wood	quintal	500.00
0763	Glue	kg	70.00
0764	Calcium silicate base compound for jointing calcium silicate tiles	kg	25.00
0765	Hessian cloth	sqm	25.00
0768	Cement Concrete Jali 50 mm thick	sqm	235.00
0769	Cement Concrete Jali 40 mm thick	sqm	200.00
0770	Cement Concrete Jali 25 mm thick	sqm	165.00
0771	Kerosene oil	litre	45.00
0772	White cement based polymer modified self curing compound in powder form	kg	15.00
0773	Unslaked lime	quintal	270.00
0775	Dehradun white lime	quintal	550.00
0776	Satna lime	quintal	370.00
0777	Dry hydrated lime (factory made)	quintal	280.00
0784	Marble dust/ powder	cum	1000.00
0785	Marble chips up to 4 mm and down size White & black	quintal	250.00
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	38.00
0803	Acrylic emulsion, having VOC content less than 50 grams/ litre	litre	180.00
0804	Premium acrylic emulsion of interior grade, having VOC content less than 50 grams/ litre	litre	210.00
0805	Synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre	litre	200.00
0806	Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	litre	125.00
0807	Ready mixed red oxide zinc chromatic on steel/ iron work, having VOC content less than 250 grams/ litre	litre	120.00
0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 grams/ litre	litre	56.00
0809	Exterior primer	kg	52.00
0810	Moorum	cum	450.00

Code No.	Description	Unit	Rate ₹
0811	Mud (dry)	cum	150.00
0815	Dry distemper	kg	30.00
0816	Oil bound washable distemper/ Acrylic distemper	kg	45.00
0818	Linseed oil (double boiled)	litre	200.00
0820	Cement primer	litre	60.00
0821	Distemper primer	litre	59.00
0823	Pink primer (for wood)	litre	85.00
0824	White cement based putty	kg	20.00
0826	Aluminium paint	litre	130.00
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	155.00
0831	Floor enamel paint in all shades except green	litre	122.00
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	150.00
0835	Plastic emulsion paint	litre	200.00
0845	Roofing paint for iron sheets in red colour	litre	120.00
0850	White lead	kg	150.00
0851	Water proofing cement paint	kg	38.00
0855	Wax polish (ready made)	kg	250.00
0856	Ordinary varnish	litre	90.00
0857	Superior copal varnish	litre	130.00
0858	Superior spar varnish	litre	130.00
0859	Oil type wood preservative	litre	140.00
0863	Putty for wood work	kg	30.00
0865	Pig lead	kg	138.00
0868	Premixed super white gypsum plaster	kg	5.00
0869	Plaster of Paris	kg	4.00
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	80.00
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kg	80.00
0876	Green or blue medium shade pigment	kg	80.00
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	310.00
0967	Copper plate	kg	280.00
0969	Pulley 25 mm dia	each	55.00
0973	Rolling shutter made of 80x1.25 mm machine rolled laths	sqm	1320.00
0974	Top cover for rolling shutters 1.25 mm thick	metre	886.00
0975	27.5 cm long wire spring grade No. 2 for rolling shutters	each	350.00
0976	Ball bearing for rolling shutters	each	280.00

Code No.	Description	Unit	Rate ₹
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	600.00
0978	Extra for mechanical devices chain and cranked operation for operating rolling shutters: exceeding 16.80 sqm area of door	sqm	600.00
0979	Royalty for good earth	cum	30.00
0980	Royalty for sludge	cum	90.00
0982	Coarse sand (zone III)	cum	1200.00
0983	Fine sand (zone IV)	cum	760.00
0992	Galvanised steel plain sheets	quintal	5600.00
0994	Standard quality hard board sheet 3 mm thick	sqm	144.00
0996	Standard quality hard board sheet 4.5 mm thick	sqm	1.00
0999	Shellac	kg	300.00
1000	Spirit	litre	50.00
1001	Spun yarn	kg	50.00
1002	Mild steel round bar 12 mm dia and below	quintal	3675.00
1003	Mild steel round bar above 12 mm dia	quintal	3575.00
1004	Average rate of Mild steel round bars for reinforcement	quintal	3625.00
1005	Twisted steel/ deformed TMT bars Fe-500D	quintal	3730.00
1006	Mild steel square bars	quintal	3675.00
1007	Structural steel such as tees, angles channels and R.S. joists	quintal	3775.00
1008	Flats up to 10 mm in thickness	quintal	3675.00
1009	Flats exceeding 10 mm in thickness	quintal	3775.00
1010	Mild steel plates	quintal	3900.00
1011	Steel glazed door, window/ ventilator, all members viz. F7D, F4B, K11 and K12B etc.	kg	48.00
1013	Mild steel sheets of 1.00 mm thickness for tanks	quintal	3775.00
1015	Mild steel expanded metal 20x60 mm strands 3.25 mm wide 1.60 mm thick	sqm	280.00
1019	Mild steel hooks	each	30.00
1020	Mild steel rivets	quintal	4500.00
1021	Hard drawn steel wire fabric 75 x 25 mm mesh of weight not less than 7.75 kg/sqm	sqm	400.00
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	115.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	11.00
1025	Mild steel bolts 6 mm dia and 25 mm long with hexagonal head	10 Nos	27.00
1028	Straining bolts	each	65.00
1029	Galvanised steel barbed wire of 9.8 kg /100metre	quintal	4800.00
1030	Galvanised steel turn buckles	each	15.00
1031	Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steel nuts	each	22.00
1032	Galvanised steel bolts 10 mm dia and 7 cm long with nuts	each	18.00

Code No.	Description	Unit	Rate ₹
1034	Bolts and nuts up to 300 mm in length	quintal	5100.00
1035	Bolts and nuts above 300 mm in length	quintal	5250.00
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	70.00
1154	Through and bond stone	100 Nos	1260.00
1157	Stone for masonry work	cum	865.00
1158	Stone for pitching 15 cm x 22.5 cm	cum	636.00
1159	Stone dust	cum	865.00
1160	Red sand stone block	10 cudm	65.00
1161	White sand stone block	10 cudm	70.00
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	315.00
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	180.00
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished)	sqm	280.00
1169	Kota stone slab 25mm thick (rough chiseled)	sqm	280.00
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	225.00
1177	Stone grit 6 mm and down size or pea sized gravel	cum	795.00
1179	Crushed stone 2.36 mm to 12.5 mm size	cum	900.00
1182	Surkhi	cum	700.00
1186	Superior class teak wood such as Dandeli, Balarshah or Malabar in planks	10 cudm	1100.00
1187	First class teak wood in scantling	10 cudm	880.00
1188	First class teak wood in planks	10 cudm	850.00
1189	Second class teak wood in scantling	10 cudm	660.00
1190	Second class teak wood in planks	10 cudm	675.00
1194	Second class deodar wood in planks	10 cudm	500.00
1196	First class kail wood in planks	10 cudm	310.00
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	475.00
1207	G.I. Limpet washer	100 Nos	35.00
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	32.00

Code No.	Description	Unit	Rate ₹
1211	G.I. plain washer for seam bolts	100 Nos	30.00
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
1219	Wire nails	kilogram	60.00
1220	Wire mesh (rabbit)	sqm	42.00
1221	20 mm dia holding down bolts	quintal	5500.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	120.00
1224	Hard drawn steel wire	quintal	4600.00
1225	Mild steel flat strap fitting	quintal	4000.00
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	46.55
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	1700.00
1240	18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 sqm).	sqm	3200.00
1241	Commercial LPG in cylinder	kg	65.00
1242	Glass mosaaic tiles (20 mm x 20 mm x 4 mm)	sqm	1076.00
1243	Tile fixing chemical adhesive	kg	20.00
1244	Cement Polymer Grout Compound	kg	25.00
1245	Acid for cleaning tiles	litre	18.00
1246	Silicon based Joint Sealant for Tiles	kg	150.00
1247	Rubber base Adhesive	kg	160.00
1248	Epoxy based sealing Compound	kg	502.00
1249	Acrylic based sealing compound	kg	481.00
1250	Non woven reinforcement Tape	metre	0.14
1301	Bleaching powder	quintal	1750.00
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	65.00
1313	8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. tringular plate for Eureopean 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
1330	Clamps and M.S. stays including bolts and nuts for 100 mm pipe	each	30.00
1331	M.S. Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	20.00
1332	M.S. Holder bat clamp of approved design for 75 mm S.C.I. pipe	each	18.00
1334	Clamps and M.S. stays including bolts and nuts for 50 mm pipe	each	28.00

Code No.	Description	Unit	Rate ₹
1335	Clamps and M.S. stays including bolts and nuts for 75 mm pipe	each	30.00
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	300.00
1353	C.I. cover without frame 300x300 mm inside i/c cover of 4.50 kg	each	225.00
1354	Rectangular cover 455x610 mm with frame (low duty)	each	1500.00
1355	Rectangular cover 455x610 mm without frame (low duty)	each	1000.00
1356	500 mm dia cover with frame (medium duty)	each	4750.00
1357	500 mm dia cover without frame (medium duty)	each	2300.00
1360	C.I. mouth, brass ferrule 15 mm dia	each	140.00
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	15.00
1366	C.I. grating 150x150 mm	each	25.00
1367	C.I. grating 180x180 mm	each	30.00
1369	S.C.I. gully or nahani grating 100 mm dia	each	18.00
1373	Rubber insertions for 75 mm dia pipe joints	each	15.00
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	310.00
1396	Vitreous china pedestal for wash basin	each	700.00
1397	Pig lead	kg	138.00
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

Code No.	Description	Unit	Rate ₹
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	77.00
1546	G.I. pipes 20 mm dia	metre	99.00
1547	G.I. pipes 25 mm dia	metre	110.00
1548	G.I. pipes 32 mm dia	metre	145.00
1549	G.I. pipes 40 mm dia	metre	185.00
1550	G.I. pipes 50 mm dia	metre	220.00
1551	G.I. pipes 65 mm dia	metre	295.00
1552	G.I. pipes 80 mm dia	metre	400.00
1555	G.I. back (jam) nuts 25 mm dia	each	8.00
1559	G.I. back (jam) nuts 65 mm dia	each	20.00
1608	G.I. tees (equal) 25 mm	each	40.00
1612	G.I. tees (equal) 65 mm	each	250.00
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	950.00
1617	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 100 mm dia	each	1150.00
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	170.00
1621	S.C.I. plain bend 100 mm dia	each	350.00
1622	S.C.I. plain bend 150 mm dia	each	400.00
1624	S.C.I. bend with access door 75 mm dia	each	200.00
1625	S.C.I. bend with access door 100 mm dia	each	252.00
1627	S.C.I. plain single equal junctions 75x75x75 mm dia	each	265.00
1628	S.C.I. plain single equal junctions 100x100x100 mm dia	each	450.00
1630	S.C.I. single equal junctions 75x75x75 mm dia with access door	each	278.00
1631	S.C.I. single equal junctions 100x100x100 mm dia with access door	each	376.00
1633	S.C.I. plain double equal junctions 75x75x75x75 mm dia	each	346.00
1634	S.C.I. plain double equal junctions 100x100x100x100 mm dia	each	520.00
1636	S.C.I. double equal junctions 75x75x75x75 mm dia with access door	each	425.00
1637	S.C.I. double equal junctions 100x100x100x100 mm dia with access door	each	550.00
1639	Slotted cowl (terminal guard) 75 mm dia	each	151.00
1640	Slotted cowl (terminal guard) 100 mm dia	each	190.00
1641	G.I. Union 15 mm nominal bore	each	30.00

Code No.	Description	Unit	Rate ₹
1642	G.I. Union 20 mm nominal bore	each	50.00
1643	G.I. Union 25 mm nominal bore	each	80.00
1644	G.I. Union 32 mm nominal bore	each	110.00
1645	G.I. Union 40 mm nominal bore	each	160.00
1646	G.I. Union 50 mm nominal bore	each	200.00
1647	G.I. Union 65 mm nominal bore	each	400.00
1648	G.I. Union 80 mm nominal bore	each	470.00
1649	Polyethylene water storage tank with cover and suitable locking arrangement	per litre	5.30
1653	Sand cast iron S&S plain single unequal junctions: 100x100x75 mm dia	each	370.00
1656	Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door	each	400.00
1659	Sand cast iron S&S plain double unequal junctions: 100x100x75x75 mm dia	each	550.00
1662	Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door	each	550.00
1666	Sand cast iron heel rest bend 75 mm dia	each	220.00
1667	Sand cast iron heel rest bend 100 mm dia	each	250.00
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
1677	S.C.I. double unequal invert branch of required degree 100x100x75x75 mm dia	each	570.00
1682	S.C.I. door pieces 75 mm dia	each	275.00
1683	S.C.I. door pieces 100 mm dia	each	400.00
1685	S.C.I. collar 75 mm dia	each	92.00
1686	S.C.I. collar 100 mm dia	each	138.00
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	210.00
1702	R.C.C. pipes NP2 class 250 mm dia	metre	260.00

Code No.	Description	Unit	Rate ₹
1703	R.C.C. pipes NP2 class 300 mm dia	metre	300.00
1704	R.C.C. pipes NP2 class 450 mm dia	metre	400.00
1705	R.C.C. pipes NP2 class 500 mm dia	metre	580.00
1706	R.C.C. pipes NP2 class 600 mm dia	metre	920.00
1707	R.C.C. pipes NP2 class 700 mm dia	metre	1050.00
1709	R.C.C. pipes NP2 class 800 mm dia	metre	1170.00
1710	R.C.C. pipes NP2 class 900 mm dia	metre	1280.00
1711	R.C.C. pipes NP2 class 1000 mm dia	metre	1590.00
1712	R.C.C. pipes NP2 class 1100 mm dia	metre	1875.00
1713	R.C.C. pipes NP2 class 1200 mm dia	metre	1677.00
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
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	50.00
1855	Stoneware pipes grade A (60 cm long) 150 mm dia	each	80.00
1856	Stoneware pipes grade A (60 cm long) 200 mm dia	each	110.00
1857	Stoneware pipes grade A (60 cm long) 230 mm dia	each	170.00
1858	Stoneware pipes grade A (60 cm long) 250 mm dia	each	210.00
1859	Stoneware pipes grade A (60 cm long) 300 mm dia	each	240.00
1863	Fire clay kitchen sink: 600x450x250 mm	each	1300.00
1871	White vitreous china laboratory sink 450x300x150 mm	each	820.00
1872	White vitreous china laboratory sink 600x450x200 mm	each	1525.00

Code No.	Description	Unit	Rate ₹
1875	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	330.00
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	50.00
1879	Shower rose C.P. brass for 15 to 20 mm inlet 150 mm dia	each	60.00
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	210.00
1889	C.P. brass toilet paper holder of standard size	each	185.00
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	250.00
1896	100 mm S.C.I. trap with vent heel	each	315.00
1897	100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet	each	275.00
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	90.00
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
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

Code No.	Description	Unit	Rate ₹
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	780.00
1955	Vitreous china pedestal type water closet	each	700.00
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	1300.00
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	8.00
1984	Common burnt clay F.P.S. bricks tile class designation 10	1000 Nos	5200.00
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	5500.00
2200	Carriage of Steam coal	tonne	118.59
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
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

Code No.	Description	Unit	Rate ₹
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	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

Code No.	Description	Unit	Rate ₹
2341	Carriage of Pig lead	tonne	92.24
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
2391	Strips-Aluminium fluted 3.15 mm thick and 150 mm wide	metre	228.00
2392	Strips Aluminium fluted 3.15 mm thick and 200 mm wide	metre	323.00
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	275.00
2394	Coupler 16 mm dia	each	67.00
2395	Coupler 20 mm dia	each	88.00
2396	Coupler 25 mm dia	each	130.00
2397	Coupler 28 mm dia	each	192.00
2398	Coupler 32 mm dia	each	231.00
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 sheet of nominal thickness 4 mm (weight not less than 10 kg/sqm)	sqm	286.00
2407	Float glass sheet of nominal thickness 5.5 mm (weight not less than 13.50 kg/sqm)	sqm	490.00
2408	Float glass sheet of nominal thickness 8 mm (weight not less than 20.00 kg/sqm)	sqm	605.00
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	376.00
2413	12 mm commercial ply	sqm	700.00
2414	18 mm thick block board with commercial ply veneering on both side	sqm	788.00
2415	21mm thick clear toughened Laminated glass for fins with holes	sqm	6000.00

Code No.	Description	Unit	Rate ₹
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	55.00
2451	Brass cupboard lock 6 levers of approved quality, 40 mm size	each	52.00
2452	Brass cupboard lock 6 levers of approved quality, 50 mm size	each	80.00
2453	Brass cupboard lock 6 levers of approved quality, 65 mm size	each	85.00
2454	Brass cupboard lock 6 levers of approved quality, 75 mm size	each	100.00
2455	Brass hanging type door stopper 150 mm	each	70.00
2456	Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete	each	303.00
2459	Anodised Aluminium hanging type door stopper	each	18.00
2464	Anodised Aluminium pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	45.00
2465	Anodised Aluminium Casement stay 250 mm	each	30.00
2466	Hollock wood in scantling	10 cudm	340.00
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	56.00
2469	Nickled Chromium Brass cupboard lock 50 mm size	each	66.00
2470	Nickled Chromium Brass cupboard lock 65 mm size	each	90.00
2471	Nickled Chromium Brass cupboard lock 75 mm size	each	115.00
2480	Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	807.00
2481	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	850.00
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	560.00
2489	PVC edge bending tape 2.00 mm thick	metre	30.00
2491	Pre laminated both side solid foam uPVC profile (45x20mm)	metre	125.00
2492	Solid foam uPVC sheet 20mm thick pre laminated on both side	sqm	2075.00
2493	PVC edge beading	metre	30.00
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

Code No.	Description	Unit	Rate ₹
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 10 mm 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 10 mm 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 10 mm x 140 mm	10 Nos	460.00
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 10 mm 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	420.00
2608	Weather Sealant - Normal (300 ml)	each	125.00
2609	MS Brackets/Aluminium Alloy Brackets	kg	100.00
2610	Silicon Gasket in Kg (Above 50 g / m)	kg	570.00
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	4.00
2615	Protective Tape	metre	20.00
2616	GI flashing - 1.2 mm Thick	kg	58.00
2617	6 mm thick High performance glass	sqm	1850.00
2618	6 mm thick clear heat strengthened glass	sqm	640.00
2619	6 mm thick clear heat strengthened glass	each	128.00
2620	ARMS GS HD - Top Hung -20"- Type P- Couple	pair	1550.00
2621	Connection Block for vision glass panel	each	39.00
2622	Curtain wall striker for vision glass panel	each	100.00
2623	Adjustable Fastening Pawl for vision glass panel	each	38.00

Code No.	Description	Unit	Rate ₹
2624	Corner drive for vision glass panel	each	295.00
2625	Top wedge Block for vision glass panel	each	135.00
2626	Glass wool of denisity @ 48 Kg / cum with black glass tissue (BGT)	sqm	230.00
2627	SS Screws - # 8 x 19	each	10.00
2628	Weather Sealant - DC 789	cartridge	130.00
2629	Cement Board	sqm	250.00
2630	Baker rod	metre	5.00
2631	4 mm thick ACP	sqm	1000.00
2632	Fire Stop	metre	550.00
2634	GI/Aluminium Sheet (0.8 mm thick)	kg	45.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section	each	2.75
2636	GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section	each	3.00
2637	Vapour barrier	sqm	170.00
2640	Clear.toughned interlayed,non-wired fire resistant glass panes of minimum 11 mm thickness (120 minutes fire rating)	sqm	25000.00
2641	G.I U beading of 1.6 mm thick G.I sheet with ceramic tape.	metre	240.00
2642	Ceramic tape 5 x20 mm size	metre	400.00
2704	Aluminium Strip 40 mm wide and 2 mm thick	kg	225.00
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	147.00
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	378.00
2901	Stone Aggregate (Single size): 100 mm nominal size	cum	1000.00
2902	Stone Aggregate (Single size): 80 mm nominal size	cum	1000.00
2903	Stone chippings/ screenings 4.75 mm nominal size	cum	1150.00
2904	Stone chippings/ screenings 150 micron nominal size	cum	1150.00
2908	Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size	cum	450.00
2909	Over burnt (Jhama) Brick Aggregate: 90 mm to 40 mm size	cum	470.00
2910	Stone chippings/ screenings 12.5/ 13.2 mm nominal size	cum	1200.00
2911	Stone chippings/ screenings 10/ 11.2 mm nominal size	cum	1200.00
2914	Solvent	kg	25.00
2916	Paving Asphalt VG 10 of approved quality	tonne	29600.00
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	5200.00

Code No.	Description	Unit	Rate ₹
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	550.00
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
3617	C.P. Brass union 40mm dia	each	195.00
3620	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long: 100 mm dia	each	1196.00
3621	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long: 75 mm dia	each	1035.00
3624	S.C.I. S&S bends with access door 100 mm dia	each	290.00
3625	S.C.I. S&S bends with access door 75 mm dia	each	240.00
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 100x100x 75x75 mm	each	850.00
3681	S.C.I. S&S single equal invert branch of required degree 100x100x 100 mm dia	each	425.00

Code No.	Description	Unit	Rate ₹
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 75x75x 75x75 mm dia	each	425.00
3690	S.C.I. S&S single unequal invert branch of required degree 100x 100x75 mm dia	each	545.00
3695	S.C.I. S&S double unequal invert branch of required degree 100x 100x75x75 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
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	65.00
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	70.00
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash	metre	95.00
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window / door sash	metre	85.00
3995	G.I fasteners 100 x 8 mm	each	15.00
4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	230.00
4002	Stainless steel bolts/square bar and plates	kg	120.00
4006	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "B"	metre	200.00
4007	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "C"	metre	220.00
4008	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "E"	metre	250.00
4009	Mild steel tubes hot finished welded type	kg	42.00

Code No.	Description	Unit	Rate ₹
4010	Mild steel tubes hot finished seamless type	kg	45.00
4011	Mild steel tubes electric resistant or induction butt welded	kg	60.00
4012	Circular C.I. Box for ceiling fan internal dia 140 mm, 73 mm height, toplid of 1.5mm thick MS sheet	each	55.00
4013	Pulley 40 mm dia	each	30.00
4201	Aluminium primer	litre	88.00
4202	Red oxide Zinc chromate primer	litre	65.00
4203	Copper acetate	kg	300.00
4204	Hydrochloric acid	kg	35.00
4205	Copper chloride	kg	280.00
4206	Copper nitrate	kg	220.00
4207	Ammonium chloride	kg	20.00
5001	Mobil oil	litre	245.00
5050	SS pipe 304 grades with press fit technology as per JIS 3448 Standard 48.60 mm outer dia	metre	680.00
5743	Coloured inter locking C.C. paver Block	sqm	500.00
6001	White marble slab Makrana second quality plain veined 18 mm thick	sqm	1500.00
6007	Pink marble slab plain 18 mm thick	sqm	677.00
6010	Udaypur green marble slab plain 18 mm thick	sqm	650.00
6019	Black Zebra marble slab plain 18 mm thick	sqm	500.00
6501	Sand zone V (Jamuna)	cum	600.00
7001	Brass 100mm mortice latch and lock with 6 levers without pair of handles	each	220.00
7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	each	225.00
7004	Vitreous china flat back wash basin 450x300 mm	each	325.00
7005	Vitreous china 10 litres low level cistern without fittings	each	750.00
7006	Vitreous china 10 litres low level cistern with fittings	each	1300.00
7008	F.P.S. (non modular) clay fly ash bricks class designation 7.5	1000 Nos	4000.00
7009	12.5 mm thick tapered edge gypsum plain borad	sqm	160.00
7010	Galvanised Steel ceiling section (size 80x26x0.50 mm)	metre	48.00
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50 mm)	metre	23.00
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90 mm)	metre	40.00
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50 mm)	metre	13.00
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	27.00
7017	Joint finisher	kg	24.00
7018	Joint tape roll	roll	105.00
7019	Dash fastener / Chemical fastener	each	15.00
7020	All drive screws (for gypsum board)	100 Nos	60.00
7021	Primer (for gypsum board)	litre	73.00
7022	Chlorpyriphos 20% E.C. / Lindane 20% E.C.	litre	160.00
7023	Chromium plated brackets (curtain rods)	each	7.00
7024	Acid Proof cement	tonne	8150.00
7025	Self tapping pan head nickel coated mild steel screws of size 13 x 3.2 mm	1000 Nos	550.00

Code No.	Description	Unit	Rate ₹
7026	Fibre joint tape 50 mm wide (90 metre) roll	each roll	170.00
7027	M.S. Butt hinges 125x90x4 mm	10 Nos	110.00
7028	12.5 mm thick Fully Perforated gypsum board	sqm	430.00
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	sqm	260.00
7030	12.5 mm thick tapered edge gypsum fire resistant board	sqm	255.00
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	285.00
7032	Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	350.00
7033	Nickel plated M.S. pipe 25 mm dia	metre	80.00
7034	Nickel plated M.S. pipe 20 mm dia	metre	75.00
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	50.00
7042	Mild steel conduit pipe (heavy type) ISI marked-20 mm dia	metre	44.00
7043	Mild steel conduit pipe (heavy type) ISI marked-25 mm dia	metre	56.00
7044	Rolling shutters of 80x0.90 mm laths	sqm	1000.00
7045	Rolling shutters of 80x1.2 mm laths	sqm	1100.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	300.00
7047	Top cover of Rolling shutters 1.20 mm thick	metre	320.00
7048	Rawl plug 50 mm (designation 10 nos)	each	10.00
7049	Teak wood lipping of size 25x3 mm in pelmets	metre	15.00
7050	PU Primer	sqm	40.00
7051	40 mm (average) PU spray having 40-45 kg/m3 density	sqm	421.00
7052	GI wire netting 3/4" x 24 G	sqm	27.00
7053	400 G polythene sheet	sqm	15.00
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	440.00
7056	Aluminium tee channel (heavy duty) with rollers and stop end	metre	52.00
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	27.00
7060	Hydraulic door closer tubular type Aluminium section body	each	281.00
7063	Oxidised M.S.casement stay (straight peg type) 300 mm not less than 0.33 kg	each	20.00
7064	Oxidised M.S.casement stay (straight peg type) 250 mm not less than 0.28 kg	each	17.00
7065	Oxidised M.S. casement stay (straight peg type) 200 mm not less than 0.24 kg	each	14.00
7068	Extra for providing grilled rolling shutters with 8 mm dia M.S. rod	sqm	270.00
7070	Chequered precast cement concrete tiles 22 mm thick using marble chips of size 6mm - Light shade using white cement	sqm	360.00
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	4650.00
7073	Adjustable Vitreous China Cistern with fittings of flushing capacity 3 litre/ 6litre 9adjustibla to 4 litre/8litre)	each	2000.00

Code No.	Description	Unit	Rate ₹
7074	White Vitreous China Waterless Urinal of size 600x330x315 mm	each	10105.00
7075	Cistern with fittings for Waterless Urinal	each	2400.00
7076	Battery based infrared sensor operated white Vitreous Urinal of aprox.size 610x390x370 mm	each	4000.00
7077	Acid and alkali resistant tiles 300x300 mm size, 10 mm thick	10 Nos	450.00
7087	S.C.I. Tee 150 mm	each	600.00
7090	Expanded polystyrene type N- Normal 50 mm thick	sqm	130.00
7091	Expanded polystyrene type - SE 50 mm thick	sqm	155.00
7095	Stainless steel kitchen sink - with drain board bowl depth 250 mm	each	2600.00
7096	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm	each	2350.00
7097	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 200 mm	each	2300.00
7098	Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 178 mm	each	2250.00
7101	Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm	each	1500.00
7102	Stainless steel kitchen sink - without drain board 610x460 mm bowl depth 200 mm	each	1250.00
7103	Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm	each	1100.00
7104	Coloured Orissa pattern W.C. pan 580x440 mm	each	980.00
7105	Coloured Pedestal type W.C. pan 580x440 mm (European type)	each	900.00
7106	Coloured Vitreous china 10 lit. low level cistern	each	1100.00
7107	Coloured (other than black) solid P.V.C. seat in European W.C. pan	each	405.00
7112	Circular shape 450 mm dia Mirror with Plastic moulded frame	each	450.00
7113	Rectangular shape 453x357 mm Mirror with Plastic moulded frame	each	300.00
7114	Oval shape 450x350 mm (outer dimensions) Mirror with Plastic moulded frame	each	350.00
7115	Rectangular shape 1500x450 mm Mirror with Plastic moulded frame	each	700.00
7116	Hard board 6 mm thick	sqm	120.00
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	30.00
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	35.00
7119	Flexible (coil shaped) PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings	each	28.00
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	30.00
7121	Bottle Trap	each	650.00
7122	CP Brass Single lever telephonic wall mixer of approved make	each	4000.00
7123	Coloured High density polyethylene / poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings	each	540.00
7126	White Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	800.00

Code No.	Description	Unit	Rate ₹
7127	Coloured Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	1200.00
7128	S.W. intercepting trap 100 mm dia	each	190.00
7129	S.W. intercepting trap 150 mm dia	each	250.00
7130	Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 25	each	700.00
7131	Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 25	each	600.00
7132	Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 25	each	600.00
7133	Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10	each	700.00
7134	Circular shape 500 mm dia precast R.C.C. manhole cover with frame- M.D.-10	each	600.00
7135	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20	each	920.00
7136	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - E.H.D. - 35	each	1225.00
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	1700.00
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	1800.00
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	2000.00
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	1700.00
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	1700.00
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	1500.00
7157	Laminated veneer lumber confirming to TADS 15:1995 manufactured in factory in frames of doors, windows	10 cudm	730.00
7178	Chemical ASTM C-type I	kg	110.00

Code No.	Description	Unit	Rate ₹
7181	C.I. pile shoe	kg	50.00
7182	M.S. clamps for pile shoe of 35 kg per pile	kg	45.00
7183	Bentonite of 35 kg per pile	tonne	3100.00
7184	Oxidised M.S. safety chain (weighing not less than 450 gms) for door	each	60.00
7187	C.I. grating 150 mm dia, weighing not less than 440 gm	each	28.00
7188	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 75 mm dia	metre	72.00
7189	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 110 mm dia	metre	135.00
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	12.00
7192	uPVC coupler for UPVC drainage pipes 75 mm	each	19.00
7193	uPVC coupler for UPVC drainage pipes 110 mm	each	41.00
7194	uPVC pushfit coupler (single) 75 mm thick	each	19.00
7195	uPVC pushfit coupler (single) 110 mm thick	each	34.00
7196	uPVC single equal Tee (without door) 75x75x75 mm	each	48.00
7197	uPVC single equal Tee (without door) 110x110x110 mm	each	85.00
7198	uPVC single equal Tee (with door) 75x75x75 mm	each	62.00
7199	uPVC single equal Tee (with door) 110x110x110 mm	each	97.00
7208	UPVC bend 87.5° 75 mm bend	each	37.00
7209	UPVC bend 87.5° 110 mm bend	each	62.00
7212	UPVC plain shoe 75 mm bend	each	28.00
7213	UPVC plain shoe 110 mm bend	each	49.00
7214	UPVC pipe clip 75 mm bend	each	16.00
7215	UPVC pipe clip 110 mm bend	each	15.00
7231	Resin Bonded Glass wool 16 kg/m ³ : 50 mm thick	sqm	105.00
7232	Resin Bonded Glass wool 24 kg/m ³ : 50 mm thick	sqm	150.00
7233	Fibre glass tissue reinforcement Type II Grade i	sqm	86.00
7236	Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement	sqm	235.00
7237	Precast chequered cement tiles 22 mm thick medium shade using 50% white cement 50% ordinary cement	sqm	350.00
7238	High Albedo paint	kg	240.00
7239	Epoxy paint	litre	240.00
7240	Fire retardant paint	litre	269.00
7241	Melamine polish	litre	290.00
7244	Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick	sqm	1700.00
7245	Table rubbed polished stone 18mm thick (75x50cm) Granite stone- 18 mm thick	sqm	1700.00
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	33200.00

Code No.	Description	Unit	Rate ₹
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	40300.00
7248	Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & group of two or more up to 50 tonne	per test	48500.00
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	40.00
7255	Road marking paint (spirit based)	litre	120.00
7256	Superior quality road marking paint (water based)	litre	140.00
7257	C.P. Brass bibcock 15 mm	each	300.00
7258	C.P. Brass long nose bibcock 15 mm	each	450.00
7259	C.P. Brass long body bibcock 15 mm	each	400.00
7260	C.P. Brass stop cock (concealed) 15 mm	each	450.00
7261	C.P. Brass angle valve 15 mm	each	390.00
7266	Pressed clay tiles 20mm thick 250x250 mm size	1000 Nos	9000.00
7267	Plain ceiling tiles (BWP type phenol formaldehyde synthetic resin bonded) (600x600x12 mm)	each	120.00
7268	Semi perforated ceiling tiles (600x600x12 mm)	each	112.00
7269	25 mm thick particle board	sqm	480.00
7270	30 mm thick prelaminated flush door shutter	sqm	850.00
7271	Second class teak wood lipping 25 mm wide x 12 mm thick	metre	30.00
7272	25 mm thick melamine faced prelaminated three layer particle board	sqm	940.00
7273	Resin Bonded Rockwool 48 kg/m3	sqm	125.00
7274	Glass wool 50 mm thick	sqm	250.00
7280	Waste plastic additive	tonne	40000.00
7281	Chemical ASTM C-type II	kg	170.00
7295	Granite of any colour, 18 mm thick (slab area upto 0.50 sqm)	sqm	1750.00
7296	Granite of any colour, 30 mm thick (slab area upto 0.50 sqm)	sqm	2000.00

Code No.	Description	Unit	Rate ₹
7297	Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	1800.00
7306	Aluminium T or L sections	kg	200.00
7307	For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering	sqm	340.00
7309	Paving Asphalt of grade VG-30 of approved quality	tonne	30516.00
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	11.00
7314	Expandable fastener with plastic sleeve and M.S. screws : 40 mm long	each	14.00
7315	Expandable fastener with plastic sleeve and M.S. screws. 50 mm long	each	15.00
7318	Plasticizer / super plasticizer	kg	38.00
7319	Wall form panel 1250x500 mm	each	900.00
7320	Tie bolt 12 mm dia 100 mm length	each	40.00
7321	Tie bolt 12 mm dia 150 mm length	each	50.00
7322	Tie bolt 20 mm dia 150 mm length	each	60.00
7323	Tie bolt 20 mm dia 225 mm length	each	70.00
7324	Spring coil 12 mm	each	16.00
7325	Plastic cone 12 mm dia	each	18.00
7326	Corner angle 45x45x5 mm 1.50 m long	each	250.00
7327	100 mm channel shoulder 2.5 m long	each	950.00
7328	Double clip (bridge clip)	each	80.00
7329	Single clip	each	62.00
7330	M.S. tube 40 mm dia	metre	225.00
7331	Wall form panel 1250x450 mm	each	900.00
7332	Corner angle 45x45x5 mm 2.50 m long	each	265.00
7333	Column clamp 450x1070 mm	each	1010.00
7334	Prop 2 m (2-3.5 m)	each	665.00
7335	Binding wire	kg	48.00
7338	Gun metal cramp	kg	330.00
7339	Stainless steel cramp	kg	300.00
7340	Stainless steel pin	kg	190.00
7342	Adjustable span ESO+SI (2.35-3.40)	each	1550.00
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	1000.00
7344	Beam clamp 300-380 mm (450-1070 mm)	each set	370.00
7345	Prop 4 m	each	950.00
7346	Double coupler	each	48.00
7347	Cadmium plated full threaded steel screws (30x4 mm dia)	100 Nos	28.00
7348	Aluminium washer 2 mm thick 15 mm dia	100 Nos	10.00
7349	12 mm M.S. 'U' beading	metre	15.00
7354	Plastic encapsulated M.S. foot rest 30x20x15 cm	each	115.00
7358	Flushing Cistern P.V.C. 10 litre capacity (low level) (White) (with fittings, accessories and flush pipe)	each	600.00
7359	P.V.C. automatic flushing cistern 5 litre capacity	each	490.00
7361	P.V.C. automatic flushing cistern 10 litre capacity	each	530.00
7363	15 mm C.P. brass tap with elbow operation lever	each	450.00

Code No.	Description	Unit	Rate ₹
7364	White glazed fire clay draining board 600x450x25 mm	each	550.00
7366	Glass reinforced Gypsum (GRG) board 12.5 mm thick	sqm	250.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm	metre	60.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm	metre	75.00
7375	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal	each	465.00
7376	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of two lipped urinals	each	800.00
7377	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of three lipped urinals	each	1100.00
7378	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of four lipped urinals	each	1500.00
7379	White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS:2556	each	907.00
7380	Precast R.C.C. grating with frame 500x450 mm horizontal grating	each	650.00
7381	Precast R.C.C. grating with frame 450x100 mm vertical grating	each	245.00
7382	Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887	tonne	25425.00
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	570.00
7386	12 mm thick particle board ceiling tile	sqm	112.00
7387	Spigot for standard jointing	kg	45.00
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	12.00
7389	Anodising 15 microns on aluminium sections	kg	40.00
7390	EPDM Gasket for uPVC window/door	metre	20.00
7391	Anodising 25 microns on aluminium sections	kg	50.00
7392	Powder coating 50 microns on aluminium sections	kg	64.00
7393	Polyester powder coating 50 microns on aluminium sections	kg	70.00
7394	Double action hydraulic floor spring with stainless steel cover plate	each	1550.00
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	1700.00
7397	Base Jack	each	150.00
7398	Challies	each	800.00
7399	Cup locks	each	50.00
7400	15 mm PTMT bib cock	each	75.00
7401	15 mm PTMT bib cock with flange (fancy)	each	110.00
7402	15 mm PTMT bib cock long body with flange	each	122.00
7403	15 mm dia PTMT stop cock (male thread)	each	75.00
7405	20 mm dia PTMT stop cock	each	102.00
7406	PTMT pillar cock	each	129.00
7407	PTMT push cock 15 mm dia	each	65.00
7408	PTMT push cock 12 mm dia 20 mm BSP	each	60.00
7409	PTMT grating 100 mm dia	each	21.00
7410	PTMT Pillar cock (fancy) 15 mm foam flow	each	144.00
7411	125 mm grating with waste hole	each	32.00

Code No.	Description	Unit	Rate ₹
7412	Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm)	each	122.00
7415	Double acting air valve 50 mm	each	3900.00
7416	Double acting air valve 80 mm	each	4750.00
7417	Double acting air valve 100 mm	each	6200.00
7418	Water meter (including testing charges) 80 mm	each	2130.00
7419	Water meter (including testing charges) 100 mm	each	3300.00
7420	Water meter (including testing charges) 150 mm	each	5000.00
7421	Water meter (including testing charges) 200 mm	each	5400.00
7422	Dirt box strainer 80 mm	each	2810.00
7423	Dirt box strainer 100 mm	each	4580.00
7424	Dirt box strainer 150 mm	each	5810.00
7425	Dirt box strainer 200 mm	each	8250.00
7426	Cat's eye	each	105.00
7427	Water stops Serrated with central bulb (225 mm wide, 8-11 mm thick)	metre	211.00
7428	Water stops Dumb bell with central bulb	metre	165.00
7429	Kickers	metre	195.00
7430	Wedge expansion hold fastener 1/4" or 6 mm	each	12.00
7431	Wedge expansion hold fastener 3/8" or 10 mm	each	12.00
7432	Wedge expansion hold fastener 1/2" or 12 mm	each	28.00
7439	8mm thick (mirror polished tiles machine cut edge) Raj Nagar white	sqm	500.00
7442	Wheel 75 mm dia. 40 mm wide	each	65.00
7443	Aluminium single cleat of size 30x32x3 mm	each	15.00
7444	Aluminium grip strip of size 50x12x2 mm	each	12.00
7445	25 mm thick prelaminated flush door shutter both side decorative	sqm	808.00
7449	Aluminium U beading	kg	220.00
7451	Glass sheet (Pin headed) 4 mm thick	sqm	320.00
7452	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	600.00
7453	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	700.00
7466	Second class deodar teak wood lipping 30 mm wide x 12 mm thick	metre	25.00
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	520.00
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	563.00
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	675.00
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	930.00
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	596.00

Code No.	Description	Unit	Rate ₹
7485	Oxidised M. S. hinges finished with nickel plating 50 mm (Over all width)	metre	42.00
7486	Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width)	metre	55.00
7491	PTMT - Waste Coupling 31/32 mm	each	36.00
7492	PTMT - Waste Coupling 38/40 mm	each	50.00
7493	PTMT - Bottle Trap 31/32 mm	each	218.00
7494	PTMT - Bottle Trap 38/40 mm	each	228.00
7495	PTMT Ball Cock 15mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	105.00
7496	PTMT Ball Cock 20mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	140.00
7497	PTMT Ball Cock 25mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	300.00
7498	PTMT Ball Cock 40mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	501.00
7499	PTMT Ball Cock 50mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	913.00
7500	PTMT Angle Stop cock with Flange 15 mm	each	102.00
7501	PTMT Swiveling shower 15 mm	each	75.00
7503	PTMT Liquid Soap Container of 400 ml capacity	each	107.00
7504	PTMT - Towel Ring 215x200x37 mm	each	135.00
7505	PTMT - Towel Rail (450 mm long)	each	141.00
7506	PTMT - Towel Rail (600 mm long)	each	169.00
7507	PTMT Shelf 450x124x36 mm	each	210.00
7508	PTMT - Urinal Spreader 15 mm	each	80.00
7509	PTMT Soap Dish/Holder 138x102x75 mm	each	85.00
7512	PTMT handle 125x34x24 mm	each	25.00
7513	PTMT handle 150x34x24 mm	each	25.00
7514	PTMT butt hinges 75x60x10 mm	each	35.00
7515	PTMT butt hinges 100x75x10 mm	each	45.00
7516	PTMT Tower bolt 152x42x18 mm	each	50.00
7517	PTMT Tower bolt 202x42x18 mm	each	70.00
7518	PTMT door catcher 72x42 mm	each	25.00
7552	Coir veneered board 4 mm thick	sqm	300.00
7553	Coir veneered board 6 mm thick	sqm	400.00
7555	Coir veneered board 12 mm thick	sqm	700.00
7556	Coir veneered board 18 mm thick	sqm	1050.00
7621	Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 100 mm dia (3000 mm length pipe)	metre	729.00
7622	Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 75 mm dia (3000 mm length pipe)	metre	597.00
7623	Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 100 mm dia	each	241.00
7624	Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 75 mm dia	each	164.00
7625	Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 100x100x100x100 mm dia	each	532.00

Code No.	Description	Unit	Rate ₹
7626	Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 75x75x75x75 mm dia	each	286.00
7627	Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 100x100x100 mm dia	each	410.00
7628	Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 75x75x75 mm dia	each	225.00
7629	Hubless centrifugally cast (spun) iron double unequal plain junction as per IS 15905 - 100x100x75x75 mm dia	each	421.00
7630	Hubless centrifugally cast (spun) iron single unequal plain junction as per IS 15905 - 100x100x75 mm dia	each	392.00
7631	Hubless centrifugally cast (spun) iron double equal plain invert branch as per IS 15905 - 100x100x100x100 mm dia	each	653.00
7632	Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 100x100x100 mm dia	each	410.00
7633	Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 75x75x75 mm dia	each	270.00
7634	Hubless centrifugally cast (spun) iron single unequal plain invert branch 45 degree as per IS 15905 - 100x100x75 mm dia	each	450.00
7635	Hubless centrifugally cast (spun) iron 65 mm offset with 100 mm dia pipe as per IS 15905	each	378.00
7636	Hubless centrifugally cast (spun) iron 65 mm offset with 75 mm dia pipe as per IS 15905	each	308.00
7637	Hubless centrifugally cast (spun) iron 130 mm offset with 100 mm dia pipe as per IS 15905	each	457.00
7638	Hubless centrifugally cast (spun) iron 130 mm offset with 75 mm dia pipe as per IS 15905	each	325.00
7639	Hubless centrifugally cast (spun) iron bend with access door - 100 mm dia as per IS 15905	each	380.00
7640	Hubless centrifugally cast (spun) iron bend with access door - 75 mm dia as per IS 15905	each	303.00
7641	Hubless centrifugally cast (spun) iron terminal guard (slotted cowl) - 100 mm dia as per IS 15905	each	283.00
7642	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 100 mm outlet as per IS 15905	each	560.00
7643	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 75 mm outlet as per IS 15905	each	404.00
7644	SS 304 grade shielded coupling with EPDM rubber gasket for 100 mm dia Hubless centrifugally cast (spun) iron	each	287.00
7645	SS 304 grade shielded coupling with EPDM rubber gasket for 75 mm dia Hubless centrifugally cast (spun) iron	each	262.00
7651	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 100 mm dia	metre	800.00
7652	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 150 mm dia	metre	1200.00
7653	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 200 mm dia	metre	1650.00
7654	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 250 mm dia	metre	2300.00
7655	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 300 mm dia	metre	2860.00
7656	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 350 mm dia	metre	3510.00
7657	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 400 mm dia	metre	4500.00

Code No.	Description	Unit	Rate ₹
7658	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 450 mm dia	metre	5200.00
7659	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 500 mm dia	metre	6580.00
7660	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 600 mm dia	metre	7930.00
7661	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 700 mm dia	metre	11000.00
7662	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 750 mm dia	metre	11900.00
7663	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 800 mm dia	metre	12000.00
7664	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 900 mm dia	metre	14500.00
7665	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 1000 mm dia	metre	16300.00
7666	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia	each	30.00
7668	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150 mm dia	each	38.00
7669	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200 mm dia	each	66.00
7670	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250 mm dia	each	78.00
7671	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300 mm dia	each	115.00
7672	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350 mm dia	each	132.00
7673	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia	each	240.00
7674	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia	each	280.00
7675	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia	each	305.00
7676	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia	each	380.00
7677	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia	each	575.00
7678	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750 mm dia	each	690.00
7679	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia	each	760.00
7680	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia	each	1000.00
7681	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia	each	1200.00
7682	Ductile Iron K - 12 specials suitable for push on jointing up to 600 mm dia	quintal	13000.00
7683	Ductile Iron K - 12 specials suitable for push on jointing over 600 mm dia	quintal	18000.00
7684	Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - up to 600 mm dia	quintal	13700.00
7685	Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600 mm dia	quintal	19650.00
7686	Ductile Iron Pipe Class K-9 flanges and welding 100 mm dia	metre	1155.00
7687	Ductile Iron Pipe Class K-9 flanges and welding 150 mm dia	metre	1733.00
7688	Ductile Iron Pipe Class K-9 flanges and welding 200 mm dia	metre	2179.00
7689	Ductile Iron Pipe Class K-9 flanges and welding 250 mm dia	metre	3098.00
7690	Ductile Iron Pipe Class K-9 flanges and welding 300 mm dia	metre	3980.00
7691	Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia	metre	5019.00
7692	Ductile Iron Pipe Class K-9 flanges and welding 400 mm dia	metre	6458.00
7693	Ductile Iron Pipe Class K-9 flanges and welding 450 mm dia	metre	6776.00
7694	Ductile Iron Pipe Class K-9 flanges and welding 500 mm dia	metre	9639.00
7695	Ductile Iron Pipe Class K-9 flanges and welding 600 mm dia	metre	12758.00
7696	Ductile Iron Pipe Class K-9 flanges and welding 700 mm dia	metre	15089.00
7697	S&S Centrifugally (Spun) C.I. Pipe class LA 100 mm dia	metre	900.00
7698	S&S Centrifugally (Spun) C.I. Pipe class LA 125 mm dia	metre	1120.00
7699	S&S Centrifugally (Spun) C.I. Pipe class LA 150 mm dia	metre	1350.00
7700	S&S Centrifugally (Spun) C.I. Pipe class LA 200 mm dia	metre	2300.00

Code No.	Description	Unit	Rate ₹
7701	S&S Centrifugally (Spun) C.I. Pipe class LA 250 mm dia	metre	3000.00
7702	S&S Centrifugally (Spun) C.I. Pipe class LA 300 mm dia	metre	4050.00
7703	S&S Centrifugally (Spun) C.I. Pipe class LA 350 mm dia	metre	4850.00
7704	S&S Centrifugally (Spun) C.I. Pipe class LA 400 mm dia	metre	6400.00
7705	S&S Centrifugally (Spun) C.I. Pipe class LA 450 mm dia	metre	7750.00
7706	S&S Centrifugally (Spun) C.I. Pipe class LA 500 mm dia	metre	9000.00
7707	S&S Centrifugally (Spun) C.I. Pipe class LA 600 mm dia	metre	12595.00
7708	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia	quintal	5450.00
7709	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia	quintal	6510.00
7710	S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia	quintal	9000.00
7711	S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per I.S. 13382 over 300 mm dia	quintal	9500.00
7712	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100 mm dia	metre	1375.00
7713	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 150 mm dia	metre	2150.00
7714	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200 mm dia	metre	3400.00
7715	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250 mm dia	metre	4100.00
7716	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300 mm dia	metre	5240.00
7717	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350 mm dia	metre	6600.00
7718	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400 mm dia	metre	8550.00
7719	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450 mm dia	metre	10900.00
7720	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500 mm dia	metre	13560.00
7721	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600 mm dia	metre	18800.00
7722	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia	metre	775.00
7723	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia	metre	1120.00
7724	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia	metre	1550.00
7725	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250 mm dia	metre	2100.00
7726	Ductile Iron Class K- 7 pipe conforming to i.S. 8329 - 300 mm dia	metre	2771.00
7727	Ductile Iron Class K- 7 pipe conforming to i.S. 8329 - 350 mm dia	metre	3354.00
7728	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400 mm dia	metre	4015.00
7729	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450 mm dia	metre	4852.00
7730	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500 mm dia	metre	5735.00
7731	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600 mm dia	metre	7402.00
7732	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700 mm dia	metre	9613.00

Code No.	Description	Unit	Rate ₹
7733	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800 mm dia	metre	12100.00
7734	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900 mm dia	metre	15603.00
7735	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000 mm dia	metre	17032.00
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	5800.00
7738	Calcium Silicate Bricks machine moulded conforming to I.S. 4139	1000 Nos	5700.00
7739	Modified Bitumen Refinery produced CRMB - 55	tonne	33548.00
7741	Modified Bitumen Refinery produced CRMB - 60	tonne	34006.00
7742	Bitumen emulsion medium setting (M.S.) conforming to IS : 8887	tonne	25654.00
7743	M.S. pipe 150 mm dia casing pipe	metre	950.00
7744	M.S. pipe 200 mm dia casing pipe	metre	1200.00
7745	PVC blind pipe 150 mm dia as per IS: 12818	metre	487.00
7746	PVC blind pipe 200 mm dia as per IS: 12818	metre	519.00
7747	M.S. cap 150 mm dia	each	150.00
7748	M.S. cap 200 mm dia	each	190.00
7749	M.S bail plug 150 mm dia	each	190.00
7750	M.S bail plug 200 mm dia	each	210.00
7751	PVC slotted pipe 150 mm dia as per IS: 12818	metre	450.00
7752	PVC slotted pipe 200 mm dia as per IS: 12818	metre	700.00
7753	Stone Boulder 50 mm to 200 mm	cum	700.00
7754	Gravel 5 mm to 10 mm	cum	800.00
7755	Gravel 1.5 mm to 2 mm	cum	800.00
7756	Gravel 3 mm to 6 mm	cum	800.00
7757	M.S. pipe 100 mm dia casing pipe	metre	700.00
7758	uPVC blind pipe 100 mm dia as per IS: 12818	metre	244.00
7759	uPVC slotted pipe 100 mm dia as per IS: 12818	metre	380.00
7760	M.S. cap 100 mm dia	each	120.00
7761	M.S. bail plug 100 mm dia	each	150.00
7762	Precast R.C.C. perforated slab	each	800.00
7763	Water supply tanker of 5000 litre capacity	each	750.00
7764	M.S. socket 100 mm dia	each	120.00
7765	M.S. socket 150 mm dia	each	210.00
7766	M.S. socket 200 mm dia	each	270.00
7767	Stone cleaning chemical approved by ASI	litre	165.00
7768	Water repellent chemical approved by ASI	litre	650.00
7769	Stone surface strengthening chemical approved by ASI	litre	1020.00
7770	Turpentine oil	litre	55.00
7771	Liquid Ammonia 5%	litre	161.00
7772	Pea Gravel	cum	900.00
7773	Coloured inter locking C.C. paver Block (60 mm thick, M-35)	sqm	500.00
7774	Stone size 10x10x7.50cm	each	9.00
7775	Sodium pentachlorophenate	kg	630.00
7800	Ceramic Glazed Tiles 1st quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black	sqm	210.00

Code No.	Description	Unit	Rate ₹
7801	Ceramic Glazed Tiles 1st quality 300 x 300 mm in all shades and designs of White, Ivory, grey, Fume Red brown etc.	sqm	210.00
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	334.00
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 724 mm X 578 mm	each	3600.00
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	1500.00
7808	Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet	each	435.00
7809	Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet	each	468.00
7850	Agaria White marble slab plain 18 mm thick	sqm	1100.00
7857	P.T.M.T. Grating square slit 150 mm	each	50.00
7858	P.T.M.T. Urinal cock 15 mm dia	each	110.00
7859	P.T.M.T. Bib cock with nozzle 15 mm	each	84.00
7861	P.T.M.T. Stop cock (concealed) 15 mm	each	125.00
7862	15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts	each	32.00
7863	15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts	each	34.00
7864	P.T.M.T. extension nipple 15 mm dia	each	19.00
7865	P.T.M.T. extension nipple 20 mm dia	each	28.00
7866	P.T.M.T. extension nipple 25 mm dia	each	40.00
7893	Tactile tile	sqm	900.00
7895	Matt finished vitrified tile 100x100 x16 mm	sqm	377.00
7896	Vitrified tile	sqm	309.00
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	4500.00
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	4600.00
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	5350.00
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	5000.00
7911	Chemical Rust Remover	litre	200.00
7912	Hire charges of Drill machine upto 30 mm dia	day	150.00
7913	Epoxy	kg	550.00
7914	SBR Polymer	kg	180.00
7915	Woven PVC cloth	sqm	25.00
7916	Hire charges of sand blasting equipment	day	400.00
7917	Hire charges of compressure	day	600.00
7918	25mm thick cement concrete shotcrete(guniting) with compressor	sqm	100.00

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	2.36
7922	Bit of drilling machine for Hole upto 30mm dia	each	475.00
7923	GI injection nipple 12mm dia, 75mm long	each	40.00
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	67.10
7926	Welding charges of shear key to existing reinforcement	each	2.00
7927	Acrylic Polymer chemical for cracks	kg	30.00
7928	Hire charges of Plant and machinery, it can inject - 350kg/day	day	100.00
8001	24 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1395.00
8002	30 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1522.00
8003	Factory made PVC rigid foam panelled shutter i/c carriage	sqm	2200.00
8004	Factory made PVC rigid foam panelled shutter as per IS : 4020 i/c carriage	sqm	2600.00
8006	Factory made PVC rigid foam sheet 1 mm thick	sqm	200.00
8007	Factory made PVC rigid foam sheet 5 mm thick	sqm	632.00
8008	Factory made prelaminated PVC rigid foam sheet 5 mm thick	sqm	752.00
8010	48mmX40mmX1.5mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	160.00
8011	Factory made door frame PVC extruded sheet i/c carriage	metre	350.00
8012	Adhesive solvent cement	kg	140.00
8013	Factory made EPS Core wallpanel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh,with 50 mm pitch in both the directions, kept at 120-135 mm gap and interconnected by the zig zag G.I. wire of 3 mm dia at alternate row by welding.	sqm	1650.00
8014	Factory made door frame of size 50x47 mm with wall thickness 5 mm made of single piece extruded profile	metre	500.00
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	950.00
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
8021	Bamboo wood Tile Flooring 14mm thick of minimum size 1800mm x 130mm	sqm	3775.00
8022	Bamboo wood Quarter Round 18mm thick of size 1900mm x 18mm	metre	125.00
8023	Bamboo wood door reducer 14mm thick of size 1900mm x 44mm	metre	275.00
8024	Bamboo wood Skirting 14mm thick of Size 1900mm x 85mm	sqm	325.00
8025	Bamboo wood Tile Wall Cladding 10mm thick of size 1900mm x 135mm	sqm	3375.00
8026	Bamboo wood T-mold 14mm thick of size 1900mm x 44mm	metre	275.00
8027	Bamboo wood Threshold 14mm thick of size 1900mm x 44mm	metre	275.00
8028	Bamboo wood shutter of doors	10 cudm	1800.00
8029	Bamboo wood panelling (10mm thick)	10 cudm	1800.00

Code No.	Description	Unit	Rate ₹
8030	Superior class Bamboo wood door frame 65 mm thick,	10 cudm	1800.00
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	565.00
8036	soldier tie 370mm	each	274.00
8037	Adjustable prop-2.0 x2.0 m	each	1080.00
8038	Pin-50	each	15.00
8039	Pin-127	each	52.00
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	351.00
8045	Wall Attached Bracket 600x1000mm	each	936.00
8046	Alignment Pipe - 3.00 Mtr.	each	960.00
8047	Alignment Bracket	each	450.00
8048	Tie Rod for Bracket - 500mm	each	108.00
8049	Anchor Wing Nut Ø100 mm	each	60.00
8050	Debit Pin - 250mm	each	56.00
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	340.00
8057	Door spacer 45x45x5 - 985mm long	each	295.00
8100	Powder coated M.S. butt hinges 100 mm X58 mmX1.9 mm	10 Nos	85.00
8101	SS ball bearing of size 100 x89x3mm	each	300.00
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door	each	455.00
8117	Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each set	2000.00
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	950.00
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	247.00

Code No.	Description	Unit	Rate ₹
8122	uPVC extruded (small series) casement window sash/window mullion size 47x68 mm	metre	267.00
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash	metre	90.00
8126	uPVC extruded (big series) casement window frame size 67x60 mm	metre	358.00
8127	uPVC extruded (big series) casement door frame size 67x64 mm	metre	370.00
8128	uPVC extruded (big series) casement window sash/window mullion/door mullion size 67x80 mm	metre	423.00
8129	uPVC extruded (big series) casement door sash size 67x110 mm	metre	550.00
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window/door sash	metre	114.00
8131	uPVC extruded glazing bead of appropriate dimension for small series sliding window sash	metre	55.00
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window/ door sash	metre	82.00
8133	uPVC extruded (small series) 2 track sliding window frame size 52x44 mm	metre	267.00
8134	uPVC extruded (big series) 2 track sliding window/door frame size 67x50mm	metre	367.00
8135	uPVC extruded (small series) 3 track sliding window frame size 92x44 mm	metre	360.00
8136	uPVC extruded (big series) 3 track sliding window/door frame size 116x45mm	metre	505.00
8137	uPVC extruded (small series) 2 track sliding window sash/3 track sliding window sash size 32x60mm	metre	251.00
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm	metre	311.00
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm	metre	311.00
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash	metre	75.00
8141	uPVC extruded interlock of appropriate dimension for big series sliding window/ door sash	metre	85.00
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window/door sash	metre	85.00
8143	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash (big series) size 46x82mm	metre	327.00
8200	A.P.P. modified polymeric felt (two layers) 1.5 mm thick	sqm	75.00
8201	A.P.P. modified polymeric felt (two layers) 2 mm thick	sqm	98.00
8203	A.P.P. modified 2 mm thick membrane reinforced with glass fibre matt	sqm	100.00
8204	A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt	sqm	200.00
8205	A.P.P. modified 3 mm thick membrane reinforced with polyester matt	sqm	205.00
8206	Bitumen primer for bitumen membrane	litre	90.00
8207	Geotextile 120 grams per sqm membrane	sqm	45.00
8210	Stainless steel screws 50 mm	100 Nos	260.00
8211	Stainless steel screws 40 mm	100 Nos	208.00
8212	Stainless steel screws 30 mm	100 Nos	180.00
8214	Stainless steel screws 20 mm	100 Nos	120.00

Code No.	Description	Unit	Rate ₹
8215	Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked	10 Nos	250.00
8216	Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked	10 Nos	230.00
8217	Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked	10 Nos	150.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	130.00
8219	Stainless steel butt hinges (heavy weight) 125x64x2.5 mm IS : 12817 marked	10 Nos	330.00
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	240.00
8221	Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS : 12817 marked	10 Nos	195.00
8222	M.S. heavy weight butt hinges 125x90x4.0 mm IS: 1341 marked.	10 Nos	200.00
8223	M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked	10 Nos	150.00
8224	M.S. heavy weight butt hinges 75x60x3.1 mm IS: 1341 marked	10 Nos	90.00
8225	M.S. heavy weight butt hinges 50x40x2.5 mm IS : 1341 marked	10 Nos	75.00
8226	Concealed zinc coated hinges 19-20 mm thick with mounting plate	10 Nos	400.00
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
8500	Water for jetting / blowback	1000 litre	1500.00
8501	Polymer modified cementation coating	kg	140.00
8502	Fibre glass cloth	sqm	44.00
8504	Multi surface paint	litre	255.00
8505	Acrylic exterior paint	litre	170.00
8506	Premium Acrylic exterior paint	litre	203.00
8507	Textured exterior paint	litre	230.00
8508	Primer for cement paint	litre	70.00
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	48.89
8514	40 mm long S.S screws with plastic rawl plugs	each	38.00
8515	Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long	each	1.00
8552	Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick	sqm	786.00
8553	Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick with bio-block conforming to ISO 5 (class 100) specifications.	sqm	857.00
8554	Mineral fiber beveled tegular edged ceiling tiles 595 x595mm,20 mm thick.	sqm	990.00
8555	G.I main runner 15 x32 mm of 3000 mm length, 0.33 mm thick	each	177.00
8556	G.I cross-T 15 x32 mm of 1200 mm length, 0.33 mm thick	each	73.00
8558	G.I hanger rod 6mm dia fully threaded upto 1000 mm length	each	25.00
8559	Stainless steel U Channel of size (50x25x2mm)	metre	150.00
8560	Non staining water resistant clear silicon	metre	61.00

Code No.	Description	Unit	Rate ₹
8561	Extruded polystyrene rigid insulation board 50 mm thick	sqm	500.00
8563	15 mm thick, light weight, integral densified micro look edged,false ceiling tiles of size 595x595 mm.	sqm	900.00
8564	15 mm thick, light weight,fully perforated square/butt edge integral densified,false ceiling tiles of size 595x595 mm.	sqm	865.00
8565	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length	each	25.00
8566	Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long)	each	225.00
8567	Galvanized mild steel perimeter wall angle 22x19x0.40 mm (3000 mm long)	each	110.00
8568	Powder coated Galvanised Iron intermediate cross-T section 15x42x0.40 mm (1200 mm long)	each	90.00
8569	Powder coated Galvanized Iron intermediate cross-T section 15x42x0.40mm (600 mm long)	each	45.00
8576	Crates made of Mesh type 10x12 (D=100 mm) Zinc coated. (Mesh 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	126.00
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	624.00
8582	12 mm thick micro tegular edged fully perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	706.00
8583	10 mm thick square edge fully perforated GRG(Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	706.00
8587	Galvanized iron intermediate cross-T section 15x32x0.33 mm (600 mm long)	each	34.00
8588	Galavanised MS hanger rod 6mm dia MS fully threaded up to 1000 mm length	each	25.00
8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15 mm thick on edges	sqm	860.00
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33 mm (3 metre long)	each	113.00
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	63.00
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (1.2 metre long)	each	38.00
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (0.6 metre long)	each	19.00
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	31.00

Code No.	Description	Unit	Rate ₹
8597	Gi Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	650.00
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	812.00
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	510.00
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	610.00
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	470.00
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	480.00
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	180.00
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)	metre	90.00
8606	Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)	metre	110.00
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	101.00
8612	Perimeter wall angle 24 x 24 x 0.3 mm (3 metre long)	each	75.00
8613	Intermediate cross T-Section 24x25x0.3 mm (1.2 m long)	each	34.00
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	14.00
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	600.00
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
8636	Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia	metre	35.00
8637	Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia	metre	54.00
8638	Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia	metre	78.00
8639	Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia	metre	117.00
8640	Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia	metre	160.00
8641	Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia	metre	268.00
8642	Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5 mm inner dia	metre	651.00
8643	Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia	metre	730.00
8644	Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia	metre	985.00
8645	Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia	metre	1462.00
8646	Silicon sealant	cartridge	100.00
8647	Stainless steel screws 30 mm x4 mm	100 Nos	32.00

Code No.	Description	Unit	Rate ₹
8648	Hermetically sealed double glazed unit made with 6 mm thick clear float glass both side having 12 mm air gap	sqm	2108.00
8649	Stainless steel (SS 304 grade) adjustable friction window stay 205 x 19 mm	each	169.00
8650	Stainless steel (SS 304 grade) adjustable friction window stay 255 x 19 mm	each	219.00
8651	Stainless steel (SS 304 grade) adjustable friction window stay 355 x 19 mm	each	191.00
8652	Stainless steel (SS 304 grade) adjustable friction window stay 510 x 19 mm	each	515.00
8653	Stainless steel (SS 304 grade) adjustable friction window stay 710 x 19 mm	each	889.00
8654	Masking tape	metre	2.30
8655	Autoclaved aerated cement (AAC) blocks	cum	3200.00
8656	Gypsum panel 666 X 500 X 100 mm size	sqm	480.00
8657	Bonding plaster for Gypsum panel	kg	21.00
8659	Water proof ply 12 mm thick	sqm	517.00
8660	Aluminium casement window fastener (Anodised AC 15)	each	40.00
8661	Aluminium casement window fastener (powder coated)	each	43.00
8662	Aluminium casement window fastener (polyester powder coated)	each	42.00
8663	Aluminium round shape handle (anodised AC 15) outer dia 100 mm	each	49.00
8664	Aluminium round shape handle (powder coated) outer dia 100 mm	each	54.00
8665	Aluminium round shape handle (polyester powder coated) outer dia 100 mm	each	59.00
8666	Stainless steel screws 25 mm x4 mm	100 Nos	35.00
8667	UV stabilised 2 mm thick plain FRP sheet	sqm	470.00
8668	UV stabilised 2 mm thick corrugated FRP sheet	sqm	540.00
8669	Mangalore ridge tiles 20 mm thick	each	8.00
8670	Mangalore tiles 20 mm thick	each	8.00
8671	Precoated galvanised iron profile sheet 0.50 mm TCT	sqm	375.00
8672	Precoated galvanised steel plain ridges 0.50 mm TCT and 500-600mm wide	metre	230.00
8673	Precoated galvanised steel flashings/aprons 0.50 mm TCT and upto 600mm wide	metre	230.00
8674	Precoated galvanised steel gutter 600mm overall girth	metre	455.00
8675	Precoated galvanised steel north light curves	metre	250.00
8676	Precoated galvanised steel barge board (upto 300mm)	metre	235.00
8677	Precoated galvanised steel crimp curve	sqm	250.00
8678	1 mm thick 35 mm wide bright finished stainless steel piano hinges	metre	40.00
8682	Epoxy Grout	kg	371.00
8683	Red sand stone gang saw cut 30 mm thick	sqm	350.00
8684	White sand stone gang saw cut 30 mm thick	sqm	400.00
8685	Delineator	each	275.00
8686	Precast C.C. Kerb stone M - 25	cum	3800.00
8687	Thermoplastic paint	kg	47.00
8688	Glass beads	kg	60.00
8689	Interlocking C.C. paver block (60 mm thick, M-30)	sqm	350.00
8690	High intensity retro - reflective sheet as per IRC 67-2001	sqm	1525.00
8691	Punched tape concertina coil 600 mm dia 10 m openable length (Total length 90 m)	bundle	675.00
8692	RBT reinforced barbed wire	metre	7.00

Code No.	Description	Unit	Rate ₹
8693	Turn buckle and strengthening bolt	each set	40.00
8694	Precast pavement slab 450 x 450 x 50 mm (M - 30)	each	70.00
8695	Chain link fabric fencing mesh of size 50x50 mm made of G.I. wire of dia 4 mm	sqm	258.00
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	285.00
8697	Chain link fabric fencing mesh of size 25x25 mm made of G.I. wire of dia 3 mm	sqm	340.00
8698	Stainless steel cramps(weight 260 grams) with nuts, bolts and washer for dry stone cladding	each	90.00
8699	8 mm thick tapered edge calcium silicate board	sqm	250.00
8700	10 mm thick calcium silicate board	sqm	400.00
8701	SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia	metre	584.00
8702	Coupling/Socket fittings for 15.88 mm outer dia SS pipe	each	42.00
8703	Telescopic drawer channels 300 mm long	set	150.00
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	150.00
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	330.00
8708	30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage	sqm	1700.00
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	300.00
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	20.00
8715	Magnetic catcher double strip horizontal type	each	14.00
8716	100 mm mortice lock with 6 levers for aluminium door	each	340.00
8717	12.5 mm thick Glass fibre reinforced Gypsum board	sqm	195.00
8719	2nd class teak wood moulded beading or Taj beading/ornamental bleading of size 18X5 mm	metre	35.00
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	65.00
8724	12 mm thick marine plywood conforming to IS: 710	sqm	667.00
8725	12 mm thick fire retardant plywood conforming to IS: 5509	sqm	800.00
8726	1.5 mm thick decorative laminated sheet	sqm	500.00

Code No.	Description	Unit	Rate ₹
8727	1.0 mm thick decorative laminated sheet	sqm	250.00
8730	30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage	sqm	2000.00
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
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 47 mm with wall thickness of 5 mm	metre	247.00
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 0.50 mm dia wire	sqm	650.00
8738	Factory made door frame fire rated (60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with vermiculite based concrete mix	metre	1050.00
8739	Fire rated door shutter made with 16 SWG G.I. sheet (60 minutes) without panel	sqm	4500.00
8740	Fire seal Putty	kg	280.00
8741	Clear fire resistant glass panes 6mm thick (60 minutes)	sqm	21500.00
8742	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/ m²) with ceramic tape of suitable thickness and fire resistant primer coating	metre	280.00
8743	Matrix Mineral Board	metre	65.00
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	340.00
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	380.00
8748	37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish	sqm	2600.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window/door	each	122.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window/door	each	100.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	55.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door/window	each	90.00
8754	Zinc alloy (white powder coated) crescent lock for uPVC sliding door/window	each	110.00
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows	each	195.00
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for uPVC windows	each	220.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	235.00

Code No.	Description	Unit	Rate ₹
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	320.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	350.00
8772	Aluminium Track on bottom rail for uPVC window	metre	28.00
8773	Wool pile/ weather pile strip for uPVC sliding window	metre	20.00
8774	Aluminium Grill as per IS 1868	kg	250.00
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	14.00
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	142.00
8780	SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia	metre	254.00
8781	SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia	metre	324.00
8782	SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia	metre	462.00
8783	SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia	metre	479.00
8784	8 mm thick Calcium silicate perforated tiles of size 595 x595 mm	sqm	690.00
8785	Interlocking C.C. paver block (80 mm thick, M-30)	sqm	370.00
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

Code No.	Description	Unit	Rate ₹
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
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	396.00
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

Code No.	Description	Unit	Rate ₹
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
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

Code No.	Description	Unit	Rate ₹
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
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

Code No.	Description	Unit	Rate ₹
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
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 90° for 15.88 mm outer dia X 15 mm nominal dia threaded	each	150.00
8918	Stainless steel Female Threaded Elbow 90° for 22.22 mm outer dia X 15 mm nominal dia threaded	each	191.00

Code No.	Description	Unit	Rate ₹
8919	Stainless steel Female Threaded Elbow 90° for 22.22 mm outer dia X 20 mm nominal dia threaded	each	191.00
8920	Stainless steel Female Threaded Elbow 90° for 28.58 mm outer dia X 25 mm nominal dia threaded	each	205.00
8921	Stainless steel Female Threaded Elbow 90° for 34.00 mm outer dia X 32 mm nominal dia threaded	each	287.00
8922	Stainless steel Female Threaded Elbow 90° for 42.70 mm outer dia X 32 mm nominal dia threaded	each	478.00
8923	Stainless steel Female Threaded Elbow 90° for 42.70 mm outer dia X 40 mm nominal dia threaded	each	478.00
8924	Stainless steel Female Threaded Elbow 90° for 48.60 mm outer dia X 40 mm nominal dia threaded	each	683.00
8925	Stainless steel Female Threaded Elbow 90° for 48.60 mm outer dia X 50 mm nominal dia threaded	each	683.00
8926	Stainless steel Male Threaded Elbow 90° for 15.88 mm outer dia X 15 mm nominal dia threaded	each	191.00
8927	Stainless steel Male Threaded Elbow 90° for 22.22 mm outer dia X 15 mm nominal dia threaded	each	205.00
8928	Stainless steel Male Threaded Elbow 90° for 22.22 mm outer dia X 20 mm nominal dia threaded	each	205.00
8929	Stainless steel Male Threaded Elbow 90° for 28.58 mm outer dia X 25 mm nominal dia threaded	each	205.00
8930	Stainless steel Male Threaded Elbow 90° for 34.00 mm outer dia X 25 mm nominal dia threaded	each	287.00
8931	Stainless steel Male Threaded Elbow 90° for 34.00 mm outer dia X 32 mm nominal dia threaded	each	287.00
8932	Stainless steel Male Threaded Elbow 90° for 42.70 mm outer dia X 32 mm nominal dia threaded	each	478.00
8933	Stainless steel Male Threaded Elbow 90° for 42.70 mm outer dia X 40 mm nominal dia threaded	each	478.00
8934	Stainless steel Male Threaded Elbow 90° for 48.60 mm outer dia X 40 mm nominal dia threaded	each	683.00
8935	Stainless steel Male Threaded Elbow 90° 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
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	173.00
8940	Stainless steel Cap for 42.70 mm outer dia pipe	each	253.00
8941	Stainless steel Cap for 48.60 mm outer dia pipe	each	330.00
8942	Stainless steel Pipe Bridge for 15.88 mm outer dia pipe	each	214.00
8943	Stainless steel Pipe Bridge for 15.88 mm outer dia pipe	each	271.00
8944	Stainless steel Pipe Bridge for 28.58 mm outer dia pipe	each	407.00

Code No.	Description	Unit	Rate ₹
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	95.00
8957	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 20kN/m in the longitudinal and transverse direction	sqm	109.00
8958	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 30kN/m in the longitudinal and transverse direction	sqm	178.00
8959	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse direction	sqm	260.00
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	504.00
8961	Geosynthetic Drainage Composite having thermobonding a draining core - HDPE geonet comprises of two sets of parallel overlayed ribs integrally connected to have a rhomboidal shape with a polyethylene film and a nonwoven geotextile having mass per unit area 130 g/m2 and tensile strength of 8.0 kN/m having in plane flow capacity of 0.7 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 13.5 kN/m , with mass per unit area of 830 gsm,	sqm	600.00
8962	Synthetic Geogrid having Ultimate tensile strength- 100 kN/m	sqm	200.00
8963	Synthetic Geogrid Ultimate tensile strength- 150 kN/m	sqm	220.00
8964	Synthetic Geogrid Ultimate tensile strength- 200 kN/m	sqm	300.00
8965	Synthetic Geogrid Ultimate tensile strength- 250 kN/m	sqm	330.00
8966	Synthetic Geogrid Ultimate tensile strength- 300kN/m	sqm	350.00
8967	Synthetic Geogrid Ultimate tensile strength- 350kN/m	sqm	390.00
8968	Synthetic Geogrid Ultimate tensile strength- 400kN/m	sqm	420.00
8969	Synthetic Geogrid Ultimate tensile strength- 500kN/m	sqm	500.00
8970	Synthetic Geogrid Ultimate tensile strength- 600kN/m	sqm	550.00
8971	Synthetic Geogrid Ultimate tensile strength- 700kN/m	sqm	650.00
8972	Synthetic Geogrid Ultimate tensile strength- 800kN/m	sqm	708.00
8973	Synthetic Geogrid Ultimate tensile strength- 900kN/m	sqm	841.00
8974	Synthetic Geogrid Ultimate tensile strength- 1000kN/m	sqm	950.00

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	570.00
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	736.00
9001	C.P. Brass Centre Hole Basin Mixer With Cast Spout	each	1200.00
9977	Carriage	L.S.	1.73
9988	Carriage and sundries	L.S.	1.73
9999	Sundries	L.S.	1.73

BASIC RATES

0.4 CARRIAGE CODES

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

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

Code No.	Description	Unit	Rate ₹
2200	Steam coal	tonne	118.59
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

Code No.	Description	Unit	Rate ₹
2275	R.C.C. pipes 100 mm dia	100 metre	226.82
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

Code No.	Description	Unit	Rate ₹
2346	Cast iron pipes 250 mm dia	100 metre	873.84
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

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	1460.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0128	Mate	day	407.00
1235	Diesel	litre	46.55
5001	Mobil oil	litre	245.00
9999	Sundries	L.S.	1.73

1.0 CARRIAGE OF MATERIALS

1.1 By Mechanical Transport including loading, unloading and stacking

Item Code	Materials	Unit Rates	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	78.68	89.20	99.60	109.61	119.33	8.68	7.13	5.80	The rates will be applicable to net quantities after deduction of prescribed percentage for voids mentioned in the specification under subhead "Carriage of materials"
1.1.2	Earth	cum	98.34	111.50	124.51	137.01	149.17	10.85	8.91	7.25	
1.1.3	Manure or sludge	cum	85.52	96.95	108.27	119.14	129.71	9.43	7.75	6.31	
1.1.4	Excavated rock	cum	157.35	178.39	199.21	219.22	238.67	17.36	14.26	11.60	
1.1.5	Sand, stone aggregate below 40 mm nominal size	cum	78.68	89.20	99.60	109.61	119.33	8.68	7.13	5.80	
1.1.6	Stone aggregate 40 mm nominal size and above	cum	85.52	96.95	108.27	119.14	129.71	9.43	7.75	6.31	
1.1.7	Soling stone	cum	92.56	104.94	117.18	128.95	140.39	10.21	8.39	6.83	
1.1.8	Bricks	1,000 Nos.	209.80	237.86	265.61	292.29	318.22	23.15	19.01	15.47	
1.1.9	Brick Tiles	1,000 Nos.	125.88	142.72	159.37	175.37	190.93	13.89	11.41	9.28	
1.1.10	Cement, stone blocks, G.I., C.I., Stainless Steel & C.C.pipes below 100 mm dia and other heavy materials	tonne	69.93	79.29	88.54	97.43	106.07	7.72	6.34	5.16	

Item Code	Materials	Unit Rates	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	69.93	79.29	88.54	97.43	106.07	7.72	6.34	5.16	
1.1.12	Timber	cum	89.91	101.94	113.83	125.27	136.38	9.92	8.15	6.63	
1.1.13	Tar Bitumen	tonne	78.68	89.20	99.60	109.61	119.33	8.68	7.13	5.80	
1.1.14	Solvent	qtl	7.87	8.92	9.96	10.96	11.93	0.87	0.71	0.58	
1.1.15	Steam Coal	tonne	89.91	101.94	113.83	125.27	136.38	9.92	8.15	6.63	
1.1.16	S.W. pipe										
1.1.16.1	100 mm dia	100 m	104.90	118.93	132.81	146.15	159.11	11.57	9.50	7.74	
1.1.16.2	150 mm dia	100 m	209.80	237.86	265.61	292.29	318.22	23.15	19.01	15.47	
1.1.16.3	200 mm dia	100 m	349.67	396.43	442.69	487.15	530.37	38.58	31.68	25.78	
1.1.16.5	250 mm dia	100 m	599.43	679.60	758.89	835.12	909.21	66.13	54.31	44.20	
1.1.16.6	300 mm dia	100 m	749.29	849.50	948.62	1043.90	1136.52	82.66	67.89	55.25	
1.1.16.7	350 mm dia	100 m	1049.00	1189.29	1328.06	1461.46	1591.12	115.73	95.04	77.35	
1.1.16.8	400 mm dia	100 m	1498.57	1698.99	1897.23	2087.80	2273.03	165.32	135.78	110.51	
1.1.16.9	450 mm dia	100 m	1907.28	2162.35	2414.66	2657.20	2892.95	210.41	172.81	140.64	
1.1.16.10	500 mm dia	100 m	2098.00	2378.59	2656.13	2922.92	3182.24	231.45	190.09	154.71	
1.1.16.11	600 mm dia	100 m	2622.51	2973.24	3320.16	3653.64	3977.80	289.32	237.61	193.39	
1.1.17	R.C.C. pipe, steel cylinder, R.C. pipes, S.C.I. pipes, C.I. pipes and unreinforced cement pipes										

Item Code	Materials	Unit Rates	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	171.97	194.97	217.72	239.58	260.84	18.97	15.58	12.68		
1.1.17.2	125 mm dia	100 m	229.71	260.43	290.82	320.03	348.42	25.34	20.81	16.94		
1.1.17.3	150 mm dia	100 m	286.61	324.94	362.86	399.31	434.73	31.62	25.97	21.14		
1.1.17.4	200 mm dia	100 m	466.22	528.58	590.25	649.54	707.16	51.43	42.24	34.38		
1.1.17.5	250 mm dia	100 m	662.53	751.13	838.78	923.03	1004.92	73.09	60.03	48.86		
1.1.17.6	300 mm dia	100 m	818.89	928.41	1036.74	1140.87	1242.09	90.34	74.19	60.39		
1.1.17.7	350 mm dia	100 m	1146.45	1299.78	1451.44	1597.22	1738.93	126.48	103.87	84.54		
1.1.17.8	400 mm dia	100 m	1563.34	1772.42	1979.23	2178.03	2371.27	172.47	141.64	115.28		
1.1.17.9	450 mm & 500 mm dia	100 m	1910.75	2166.29	2419.06	2662.04	2898.22	210.79	173.12	140.90		
1.1.17.10	600, 700, 750 & 800 mm dia	100 m	2866.13	3249.44	3628.59	3993.05	4347.33	316.19	259.68	211.35		
1.1.17.11	900 mm dia	100 m	4299.19	4874.16	5442.89	5989.58	6520.99	474.29	389.52	317.03		
1.1.17.12	1000, 1100 & 1200 mm dia	100 m	5732.25	6498.88	7257.18	7986.11	8694.65	632.38	519.36	422.70		
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.										cum	209.90
	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."											

1.0 CARRIAGE OF MATERIALS

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

S.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 leads (₹)	Remarks
1	2	3	4	5	6
1.2.1	Lime, moorum, building rubbish	cum	92.74	20.19	The rates will be applicable to net quantities after deduction of prescribed percentage for voids mentioned in the specification under subhead "Carriage of materials".
1.2.2	Earth	cum	115.93	25.24	
1.2.3	Manure or sludge	cum	100.81	21.95	
1.2.4	Excavated rock	cum	185.48	40.39	
1.2.5	Sand, stone aggregate below 40 mm nominal size	cum	115.93	25.24	
1.2.6	Stone aggregate 40 mm nominal size and above	cum	125.33	27.29	
1.2.7	Soling stone	cum	136.38	29.70	
1.2.8	Bricks	1000 Nos.	216.40	47.12	
1.2.9	Brick Tiles	1000 Nos.	135.25	29.45	
1.2.10	Steam Coal	tonne	108.20	23.56	
1.2.11	Stone blocks ,G.I., C.I. , Stainless Steel pipes below 100 mm dia and other heavy materiall	tonne	84.64	12.42	The length of S.W. pipes will be measured exclusive of the internal depth of sockets.
1.2.12	Cement	tonne	67.14	9.85	
1.2.13	Steel	tonne	144.20	21.16	
1.2.14	Timber	cum	92.70	13.60	
1.2.15	Tar, bitumen etc.	tonne	84.64	12.42	
1.2.16	S.W. pipe				
1.2.16.1	100 mm dia	100 m	169.43	24.86	
1.2.16.2	150 mm dia	100 m	278.50	40.87	
1.2.16.3	200 mm dia	100 m	389.73	57.19	
1.2.16.5	250 mm dia	100 m	648.91	95.22	

1	2	3	4	5	6
1.2.16.6	300 mm dia	100 m	927.01	136.03	
1.2.16.7	350 mm dia	100 m	1297.81	190.44	
1.2.16.8	400 mm dia	100 m	1622.27	238.05	
1.2.16.9	450 mm dia	100 m	1966.38	288.55	
1.2.16.10	500 mm dia	100 m	2403.36	352.67	
1.2.16.11	600 mm dia	100 m	2949.58	432.82	
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	228.76	33.57	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	279.90	41.07	
1.2.17.3	150 mm dia	100 m	322.30	47.29	
1.2.17.4	200 mm dia	100 m	483.66	70.97	
1.2.17.5	250 mm dia	100 m	850.10	124.74	
1.2.17.6	300 mm dia	100 m	1063.78	156.10	
1.2.17.7	350 mm dia	100 m	1520.88	223.17	
1.2.17.8	400 mm dia	100 m	1769.75	259.69	
1.2.17.9	450 mm & 500 mm dia	100 m	2359.66	346.25	
1.2.17.10	600, 700, 750 & 800 mm dia	100 m	2595.63	380.88	

S.No.	Description	Unit	Rate ₹	Remarks
1	2	3	4	5
1.3	Loading in or unloading cement from the Railway wagon 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 the direction of Engineer-in-charge,	tonne	69.25	
1.4	Loading in or unloading from the Railway wagon as per the direction of Engineer-in-charge.			
1.4.1	Steel	tonne	102.50	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	60.90	
1.4.3	Heavy materials where each piece made or bundle, crate or case weighs such more than one tonne and R.C.C, C.I. loading and concrete pipes above 500 mm dia.	tonne	112.25	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	2200.00
0017	Hire and running charges of tipper	day	1800.00
0018	Hire and running charges of loader	day	6000.00
0020	Hydraulic Excavator (3D) with driver and fuel	day	6500.00
0101	Bhisti	day	407.00
0103	Blacksmith 2nd class	day	448.00
0112	Carpenter 2nd class	day	448.00
0113	Chowkidar	day	368.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0124	Mason (brick layer) 2nd class	day	448.00
0128	Mate	day	407.00
0132	Rock Excavator	day	368.00
0133	Rock Breaker	day	368.00
0134	Rock Hole Driller	day	368.00
0135	Stone Chiseller	day	407.00
0302	Safeda ballies 125 mm diameter	metre	35.00
0325	Blasting powder	kilogram	35.00
0326	Blasting fuse (fuse wire)	each	15.00
0771	Kerosene oil	litre	45.00
1197	Second class kail wood in scantling	cudm	260.00
1198	Second class kail wood in planks	cudm	260.00
1235	Diesel	litre	46.55
1980	Fly ash	cum	8.00
2204	Carriage of Timber	cum	118.59
2262	Carriage of Flyash	cum	103.77
2335	Carriage of Jamuna sand	cum	103.77
2342	Carriage of Solvent / Diesel.	quintal	10.38
6501	Sand zone V (Jamuna)	cum	600.00
7022	Chlorpyriphos 20% E.C. / Lindane 20% E.C.	litre	160.00
9999	Sundries	L.S.	1.73

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	53.00
2.2	Earth work in rough excavation, 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 or filling up ground depressions, lead upto 50 m and lift upto 1.5 m :		
2.2.1	All kinds of soil	cum	427.90
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	269.75
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	2.75
2.5	Deduct for not watering the excavated earth for banking	cum	18.90
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	125.95
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	221.05
2.7.2	Hard rock (requiring blasting)	cum	393.30
2.7.3	Hard rock (blasting prohibited)	cum	619.80
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	166.40

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	275.85
2.9.2	Hard rock (requiring blasting)	cum	466.05
2.9.3	Hard rock (blasting prohibited)	cum	656.70
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	138.05
2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	metre	225.45
2.10.1.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	metre	352.00
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%
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%
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	194.50
2.13.1.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	metre	481.60
2.13.1.3	Pipes, cables exceeding 300 mm dia but not exceeding 600 mm dia	metre	554.20
2.13.2	Hard rock (requiring blasting)		
2.13.2.1	Pipes, cables etc. not exceeding 80 mm dia	metre	285.55

Code No.	Description	Unit	Rate ₹
	2.13.2.2 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	metre	707.10
	2.13.2.3 Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm dia	metre	813.60
2.13.3	Hard rock (blasting prohibited)		
	2.13.3.1 Pipes, cables etc. not exceeding 80 mm dia	metre	375.65
	2.13.3.2 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	metre	930.15
	2.13.3.3 Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm dia	metre	1070.35
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%
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	254%
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	108.55
	2.16.2 Depth exceeding 1.5 m but not exceeding 3 m	sqm	115.05
	2.16.3 Depth exceeding 3 m but not exceeding 4.5 m	sqm	129.80
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	113.25
	2.17.2 Depth exceeding 1.5 m but not exceeding 3 m	sqm	127.25
	2.17.3 Depth exceeding 3 m but not exceeding 4.5 m	sqm	141.95
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	96.55
	2.18.2 Depth exceeding 1.5 m but not exceeding 3 m	sqm	104.30
	2.18.3 Depth exceeding 3 m but not exceeding 4.5 m	sqm	112.55
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	1380.70

Code No.	Description	Unit	Rate ₹
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	55.90
2.20.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	60.00
2.20.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	66.75
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	48.70
2.21.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	55.20
2.21.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	63.85
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	32.95
2.22.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	37.40
2.22.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	44.55
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	709.45
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 upto the centre of gravity of the quantity executed in difficult conditions. The depth shall be reckoned correct to 0.1 metre. 0.05 metre or more shall be taken as 0.1 metre and less than 0.05 metre 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	125.75
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	51.75
2.26.2	Ordinary or hard rock	cum	92.80

Code No.	Description	Unit	Rate ₹
2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	917.75
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	13.95
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	14.10
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 20 cm 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	52.65
2.30.2	Ordinary rock	each	85.45
2.30.3	Hard rock (requiring blasting)	each	142.55
2.30.4	Hard rock (blasting prohibited)	each	199.70
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	7.20
2.32	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	3.65
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	219.20
2.33.2	Beyond 60 cm girth upto and including 120 cm girth	each	972.70
2.33.3	Beyond 120 cm girth upto and including 240 cm girth	each	4504.25
2.33.4	Above 240 cm girth	each	9030.15
2.34	Supplying chemical emulsion in sealed containers including delivery as specified.		
2.34.1	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	litre	185.95
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 300 mm including excavation channel along the wall & rodding etc. complete:		

Code No.	Description	Unit	Rate ₹
2.35.1.1	With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	metre	16.80
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	24.30
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	131.90
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	19.05
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	191.40
2.36	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	cum	37.95
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	129.80
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	125.75

SUB HEAD : 3.0

MORTARS

BASIC RATES (SH : 3.0 MORTAR)

Code No.	Description	Unit	Rate ₹
0101	Bhisti	day	407.00
0114	Beldar	day	368.00
0367	Portland Cement (OPC-43 grade)	tonne	5700.00
0368	White Cement	tonne	11200.00
0773	Unslaked lime	quintal	270.00
0784	Marble dust/ powder	cum	1000.00
0811	Mud (dry)	cum	150.00
0982	Coarse sand (zone III)	cum	1200.00
0983	Fine sand (zone IV)	cum	760.00
1159	Stone dust	cum	865.00
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.	1.73

3.0 MORTAR

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

Code No.	Description	Unit	Rate ₹
3.1	Cement mortar 1:1 (1 cement : 1 fine sand)	cum	6897.95
3.2	Cement mortar 1:2 (1 cement : 2 fine sand).	cum	5133.75
3.3	Cement mortar 1:3 (1 cement : 3 fine sand).	cum	4252.70
3.4	Cement mortar 1:4 (1 cement : 4 fine sand).	cum	3499.70
3.5	Cement mortar 1:5 (1 cement : 5 fine sand).	cum	3094.25
3.6	Cement mortar 1:6 (1 cement : 6 fine sand).	cum	2746.70
3.7	Cement mortar 1:2 (1 cement : 2 coarse sand).	cum	5551.75
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand).	cum	4723.50
3.9	Cement mortar 1:4 (1 cement : 4 coarse sand).	cum	3970.50
3.10	Cement mortar 1:5 (1 cement : 5 coarse sand).	cum	3565.05
3.11	Cement mortar 1:6 (1 cement : 6 coarse sand).	cum	3217.50
3.12	Cement mortar 1:2 (1 cement : 2 stone dust).	cum	5233.50
3.13	Cement mortar 1:2 (1 cement : 2 marble dust).	cum	5361.75
3.14	Cement mortar 1:5 (1 cement : 5 marble dust).	cum	3351.05
3.15	White cement mortar 1:2 (1 white cement : 2 marble dust).	cum	9101.75
3.16	White cement mortar 1:3 (1 white cement : 3 marble dust).	cum	7314.50
3.17	White cement mortar 1:5 (1 white cement : 5 marble dust).	cum	5056.05
3.18	Mud mortar	cum	533.20
3.19	Mortar in lime, surkhi (50% red and 50% light yellow) and marble dust 1:1.5:0.5	cum	2429.95

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	400.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	200.00
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	650.00
0012	Vibrator (Needle type 40 mm)	day	350.00
0029	Carriage of concrete by transit mixer	km/cum	23.00
0101	Bhisti	day	407.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0116	Fitter (grade 1)	day	487.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0131	Painter	day	448.00
0155	Mason (average)	day	467.00
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	750.00
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	1250.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1300.00
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1300.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1300.00
0309	Paving bitumen of grade VG-10 of approved quality	tonne	29600.00
0367	Portland Cement (OPC-43 grade)	tonne	5700.00
0370	Coal (steam)	quintal	400.00
0771	Kerosene oil	litre	45.00
0982	Coarse sand (zone III)	cum	1200.00
0983	Fine sand (zone IV)	cum	760.00
1213	Water proofing materials	kilogram	35.00
1980	Fly ash	cum	8.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	103.77
2203	Carriage of Coarse sand	cum	103.77

Code No.	Description	Unit	Rate ₹
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
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	kilogram	38.00
7319	Wall form panel 1250x500 mm	each	900.00
7326	Corner angle 45x45x5 mm 1.50 m long	each	250.00
7327	100 mm channel shoulder 2.5 m long	each	950.00
7328	Double clip (bridge clip)	each	80.00
7329	Single clip	each	62.00
7330	M.S. tube 40 mm dia	metre	225.00
7331	Wall form panel 1250x450 mm	each	900.00
7332	Corner angle 45x45x5 mm 2.50 m long	each	265.00
7333	Column clamp 450x1070 mm	each	1010.00
7334	Prop 2 m (2-3.5 m)	each	665.00
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.	1.73
9988	Carriage and sundries	L.S.	1.73
9999	Sundries	L.S.	1.73

4.0 CONCRETE WORK

Code No.	Description	Unit	Rate ₹
CEMENT CONCRET (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 :		
4.1.1	DELETED		
4.1.2	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	cum	5924.65
4.1.3	"1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	cum	5481.95
4.1.4	1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size).	cum	5390.45
4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size).	cum	4927.00
4.1.6	1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size).	cum	4814.55
4.1.7	DELETED		
4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	cum	4478.15
4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	cum	4209.05
4.1.11	1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size).	cum	3959.70
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	4355.55
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	4041.00
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 :		
4.2.1	DELETED		
4.2.2	1:1½:3 (1 cement : 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	cum	6990.40
4.2.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	6547.70
4.2.4	DELETED		
4.2.5	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	5992.75

Code No.	Description	Unit	Rate ₹
4.2.6	DELETED		
4.2.7	DELETED		
4.2.8	1:5:10 (1 cement : 5 coarse sand (zone-III) : 10 graded stone aggregate 40 mm nominal size).	cum	5267.75
4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :		
4.3.1	Foundations, footings, bases for columns	sqm	193.95
4.3.2	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	sqm	378.60
4.3.3	Columns, piers, abutments, pillars, posts and struts	sqm	467.85
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	5924.65
4.4.2	DELETED		
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	6772.45
4.5.2	DELETED		
4.5.3	DELETED		
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	6169.85
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	10148.60
4.7.2	DELETED		

Code No.	Description	Unit	Rate ₹
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	7673.60
4.8.2	DELETED		
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	516.95
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	263.10
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	320.25
4.12	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	per 50 kg cement	47.95
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	91.90
MISCELLANEOUS			
4.14	Extra for concrete work in superstructure above floor V level for each four floors or part thereof.	cum	641.15
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 meter depth	474.50
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	192.70
4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	sqm	450.35

Code No.	Description	Unit	Rate ₹
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 50 Kg of cement	53.00
4.19	<p>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. sand and aggregate derived from natural sources.</p> <p>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."</p>		
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	6066.50
4.19.1.2	M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)	cum	5927.55
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	6637.80
4.19.2.2	M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)	cum	6498.80
	<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>		
4.20	<p>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."</p> <p>Note : Excess/less cement used than specified in this item is payable/ recoverable separately.</p>		

Code No.	Description	Unit	Rate ₹
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	6190.70
4.20.1.2	M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)	cum	6051.70
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	6761.95
4.20.2.2	M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)	cum	6623.00

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	400.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	200.00
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	650.00
0012	Vibrator (Needle type 40 mm)	day	350.00
0025	Hire and running charges of light crane	day	2500.00
0026	Hire and running charges of bentonite pump	day	4200.00
0029	Carriage of concrete by transit mixer	km/cum	23.00
0052	Front end loader 1 cum bucket capacity (incl POL)	hour	800.00
0066	Batching and Mixing Plant @ 75 cum per hour	hour	2500.00
0070	Generator 100 KVA/125 KVA	hour	300.00
0082	Excavation of Diaphragm wall by Mechanical Grab	sqm	1500.00
0101	Bhisti	day	407.00
0102	Blacksmith 1st class	day	487.00
0103	Blacksmith 2nd class	day	448.00
0112	Carpenter 2nd class	day	448.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0116	Fitter (grade 1)	day	487.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0126	Mason (for ornamental stone work) 1st class	day	487.00
0128	Mate	day	407.00
0131	Painter	day	448.00
0155	Mason (average)	day	467.00
0236	Multi purpose fibre (high impact poly propylene reinforced) cement board 6 mm thick	sqm	210.00
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	1250.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1300.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1300.00
0302	Safeda ballies 125 mm diameter	metre	35.00
0309	Paving bitumen of grade VG-10 of approved quality	tonne	29600.00
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	34561.00
0314	Bitumen hot sealing compound : grade A	kilogram	28.00
0316	Bitumen solution primer of approved quality	litre	50.00
0339	Flame retardant face insulating, Impregnated fibre board 12 mm thick	sqm	350.00
0349	Curing compound	litre	30.00
0367	Portland Cement (OPC-43 grade)	tonne	5700.00
0370	Coal (steam)	quintal	400.00

Code No.	Description	Unit	Rate ₹
0596	Bright finished or black enameled mild steel butt hinges 75x 47x1.70 mm	10 Nos	60.00
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	37.00
0768	Cement Concrete Jali 50 mm thick	sqm	235.00
0769	Cement Concrete Jali 40 mm thick	sqm	200.00
0770	Cement Concrete Jali 25 mm thick	sqm	165.00
0967	Copper plate	kilogram	280.00
0982	Coarse sand (zone III)	cum	1200.00
0983	Fine sand (zone IV)	cum	760.00
0992	Galvanised steel plain sheets	quintal	5600.00
1004	Average rate of Mild steel round bars for reinforcement	quintal	3625.00
1005	Twisted steel/ deformed TMT bars Fe-500D	quintal	3730.00
1015	Mild steel expanded metal 20x60 mm strands	sqm	280.00
1021	Hard drawn steel wire fabric size 75 X 25 mm mesh of weight not less than 7.75 kg/sq.m	sqm	400.00
1034	Bolts and nuts up to 300 mm in length	quintal	5100.00
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	4600.00
1225	Mild steel flat strap fitting	quintal	4000.00
1980	Fly ash	cum	8.00
2200	Carriage of Steam coal	tonne	118.59
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
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	228.00
2392	Strips Aluminium fluted 3.15 mm thick and 200 mm wide	metre	323.00
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	275.00
2394	Coupler 16 mm dia	each	67.00
2395	Coupler 20 mm dia	each	88.00
2396	Coupler 25 mm dia	each	130.00
2397	Coupler 28 mm dia	each	192.00
2398	Coupler 32 mm dia	each	231.00

Code No.	Description	Unit	Rate ₹
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	tonne	3100.00
7318	Plasticizer / super plasticizer	kilogram	38.00
7319	Wall form panel 1250x500 mm	each	900.00
7320	Tie bolt 12 mm dia 100 mm length	each	40.00
7321	Tie bolt 12 mm dia 150 mm length	each	50.00
7322	Tie bolt 20 mm dia 150 mm length	each	60.00
7323	Tie bolt 20 mm dia 225 mm length	each	70.00
7324	Spring coil 12 mm	each	16.00
7325	Plastic cone 12 mm dia	each	18.00
7326	Corner angle 45x45x5 mm 1.50 m long	each	250.00
7327	100 mm channel shoulder 2.5 m long	each	950.00
7328	Double clip (bridge clip)	each	80.00
7329	Single clip	each	62.00
7330	M.S. tube 40 mm dia	metre	225.00
7331	Wall form panel 1250x450 mm	each	900.00
7332	Corner angle 45x45x5 mm 2.50 m long	each	265.00
7333	Column clamp 450x1070 mm	each	1010.00
7334	Prop 2 m (2-3.5 m)	each	665.00
7342	Adjustable span ESO+SI (2.35-3.40)	each	1550.00
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	1000.00
7344	Beam clamp 300-380 mm (450-1070 mm)	each set	370.00
7345	Prop 4 m	each	950.00
7346	Double coupler	each	48.00
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.	1.73
9988	Carriage and sundries	L.S.	1.73
9999	Sundries	L.S.	1.73

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 :		
5.1.1	DELETED		
5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	cum	6215.35
5.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	5772.65
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 :		
5.2.1	DELETED		
5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	cum	7145.80
5.2.3	DELETED		
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	7390.80
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	6927.85
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	7691.95
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	7256.95
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	5958.85

Code No.	Description	Unit	Rate ₹
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	6716.30
FORM WORK			
5.9	Centering and shuttering including strutting, propping etc. and removal of form for all heights :		
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	193.95
5.9.2	Walls (any thickness) including attached pilasters, buttermesses, plinth and string courses etc.	sqm	378.60
5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	422.30
5.9.4	Shelves (Cast in situ)	sqm	422.30
5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	342.90
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	467.85
5.9.7	Stairs, (excluding landings) except spiral-staircases	sqm	419.35
5.9.8	Spiral staircases (including landing)	sqm	381.40
5.9.9	Arches, domes, vaults up to 6 m span	sqm	1136.85
5.9.10	Extra for arches, domes, vaults exceeding 6 m span	sqm	451.80
5.9.11	Chimneys and shafts	sqm	378.60
5.9.12	Well steining	sqm	212.20
5.9.13	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	sqm	627.85
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	193.95
5.9.16	Edges of slabs and breaks in floors and walls		
5.9.16.1	Under 20 cm wide	metre	122.20
5.9.16.2	Above 20 cm wide	sqm	531.10
5.9.17	Cornices and mouldings	sqm	565.10
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	515.85
5.9.19	Weather shade, Chajjas, corbels etc., including edges	sqm	521.75
5.9.20	Suspended floors, roofs, landings, balconies and access platform. with water proof ply 12 mm thick	sqm	497.45
5.9.21	Lintels, beams, plinth beams, girders, bressumers and cantilevers. with water proof ply 12 mm thick	sqm	418.95

Code No.	Description	Unit	Rate ₹
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	128.70
5.10.2	12 mm dia. & 150 mm length	each set	140.30
5.10.3	20 mm dia. & 150 mm length	each set	151.95
5.10.4	20 mm dia. & 225 mm length	each set	163.55
5.11	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured).		
5.11.1	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	sqm	171.50
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	6972.10
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	9330.20
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	10526.00
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	8683.55
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	12726.55

Code No.	Description	Unit	Rate ₹
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	7690.00
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 with 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	814.55
5.18.2	40 mm thick	sqm	710.55
5.18.3	25 mm thick	sqm	669.90
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	9534.25
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	6516.15
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	371.75
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	55.30
5.22.2	Hard drawn steel wire	Kg	66.70
5.22.3	Cold twisted bars	Kg	56.60
5.22.4	Hot rolled deformed bars	Kg	56.60
5.22.5	Hard drawn steel wire fabric	Kg	71.30
5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	56.60
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	55.30
5.22A.2	Hard drawn steel wire	Kg	66.70

Code No.	Description	Unit	Rate ₹
5.22A.3	Cold twisted bars	Kg	56.60
5.22A.4	Hot rolled deformed bars	Kg	56.60
5.22A.5	Hard drawn steel wire fabric	Kg	71.30
5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	Kg	56.60
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	143.80
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	90.60
5.25	Providing and fixing in position copper plate as per design for expansion joints.	kg	338.70
5.26	Providing and filling in position, blown bitumen in expansion joints.	cum	50192.70
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 depth per expansion joints.	cum	16494.35
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 100 m	449.10
5.29	Providing and fixing sheet covering over expansion joints with iron screws as per design.		
5.29.1	Fibre cement board 6 mm thick as per IS: 14862.		
5.29.1.1	150mm wide	metre	128.55
5.29.1.2	200mm wide	metre	172.80
5.29.2	Aluminium fluted strips 3.15 mm thick.		
5.29.2.1	150 mm wide	metre	336.65
5.29.2.2	200 mm wide	metre	469.40
5.29.3	Cement bonded wood particle board 6 mm thick as per IS : 14276		
5.29.3.1	150 mm wide	metre	127.65
5.29.3.2	200 mm wide	metre	171.6
5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	metre	34.15

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	474.50
	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	192.70
	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	6446.45
	5.33.2 All works above plinth level upto floor V level	cum	7250.05
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	69.50
	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	138.95
	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	208.45
5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	quintal	672.75
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 with Cement mortar 1:2 (1 Cement : 2 Fine sand)		

Code No.	Description	Unit	Rate ₹
	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	17574.85
5.37	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately)		
	5.37.1 All works upto plinth level	cum	6713.60
	5.37.2 All works above plinth level upto floor V level	cum	7517.20
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	232.30
5.40	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using fly ash and cement content as per approved design mix, and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, shuttering, finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. NOTE- (1) Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456 -2000 in the items of BMC and RMC.		
	5.40.1 All works up to Plinth level.	cum	6691.85
	5.40.2 All works above plinth & up to floor V level.	cum	7495.40
	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.		

Code No.	Description	Unit	Rate ₹
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	32.20
	5.41.2 DELETED		
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	121.10
	5.42.2 Coupler for 20 mm diameter reinforcement bar	each	164.65
	5.42.3 Coupler for 25 mm diameter reinforcement bar	each	227.95
	5.42.4 Coupler for 28 mm diameter reinforcement bar	each	314.25
	5.42.5 Coupler for 32 mm diameter reinforcement bar	each	364.85
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	584.10
	5.43.2 300 mm wide.	metre	839.65
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 locations 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 conform to ASTM 6063).		
	5.44.1 Floor Joint of 100 mm gap	metre	4741.05
	5.44.2 Floor Joint of 150 mm gap	metre	5829.95
	5.44.3 Floor Joint of 200 mm gap	metre	7499.60

Code No.	Description	Unit	Rate ₹
5.45	Providing and fixing of expansion joint system related with wall joint (internal/ external) location as per drawings and direction of Engineer-In- Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221- 02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall conform to ASTM 6063.)		
	5.45.1 Wall Joint of 100 mm gap	metre	3928.00
	5.45.2 Wall Joint of 150 mm gap	metre	4436.15
	5.45.3 Wall Joint of 200 mm gap	metre	5176.60
5.46	Providing and fixing of expansion joint system of approved make and manufacture for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arrangement support plates as per ASTM B221-02. The system shall be such that it provides water tight 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	4392.60
	5.46.2 Roof Joint of 150 mm gap	metre	4900.75
	5.46.3 Roof Joint of 200 mm gap	metre	5873.50
5.47	Providing and fixing in position factory made precast RCC M 40 Fixing with hold fast embedded in 1:3:6 concrete block doors and windows frames having 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		

Code No.	Description	Unit	Rate ₹
	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 meter correct to two places of decimal.		
	5.47.1 Door frame 125 mmx 60 mm	metre	450.20
	5.47.2 Door frame 100 mmx 60 mm	metre	415.10
	5.47.3 Door frame 85 mmx60 mm	metre	396.55
5.48	<p>Providing and laying Reinforced cement concrete for construction of piers, abutments, portal frames, pier caps and bearing pedestals and seismic arresters over pier/ abutment caps at all locations with specified grade using Ordinary Portland Cement (conforming to strength requirement of IS:8112) including the cost of steel centering and shuttering etc. complete, including testing of materials etc. 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.</p> <p>Note:- Cement content considered in this item is 480 Kg./ Cum. Excess/ less cement used as per design mix is payable/ recoverable separately.</p>		
	5.48.1 Reinforced Cement Concrete -M 50	cum	6623.45
	5.48.2 Reinforced Cement Concrete -M 60	cum	7719.40
	5.48.3 Extra for using M -50/ M60 Grade Self-compacting Cement Concrete	cum	650.55
5.49	<p>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</p>		

Code No.	Description	Unit	Rate ₹
	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	13875.65

SUB HEAD : 6.0

BRICK WORK

BASIC RATES (SH: 6.0 BRICK WORK)

Code No.	Description	Unit	Rate ₹
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	650.00
0037	Mobile crane capacity (10 to 12 tonne)	day	7500.00
0101	Bhisti	day	407.00
0112	Carpenter 2nd class	day	448.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0155	Mason (average)	day	467.00
0322	Bitumen felt :Type 3 grade 1	sqm	70.00
0357	Polymer modified adhesive mortar	kilogram	14.50
1002	Mild steel round bar 12 mm dia and below	quintal	3675.00
1008	Flats up to 10 mm in thickness	quintal	3675.00
1034	Bolts and nuts up to 300 mm in length	quintal	5100.00
1197	Second class kail wood in scantling	10 cudm	260.00
1225	Mild steel flat strap fitting	quintal	4000.00
1235	Diesel	litre	46.55
1984	Common burnt clay F.P.S. bricks tile class designation 10	1000 Nos	5200.00
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	5500.00
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 7.5	1000 Nos	4500.00
7008	F.P.S. (non modular) clay fly ash bricks class designation 7.5	1000 Nos	4000.00
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	5800.00

Code No.	Description	Unit	Rate ₹
7738	Calcium Silicate Bricks machine moulded conforming to I.S. 4139	1000 Nos	5700.00
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	4500.00
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	4600.00
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	5350.00
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	5000.00
8655	Autoclaved aerated cement (AAC) blocks	cum	3200.00
8656	Gypsum panel 666 X 500 X 100 mm size	sqm	480.00
8657	Bonding plaster for Gypsum panel	kg	21.00
9999	Sundries	L.S.	1.73

6.0 BRICK 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	4970.30
6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	4751.65
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	4592.90
6.2.2	Cement Mortar 1:6 (1 cement : 6 coarse sand).	cum	4400.50
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	5640.20
6.3.2	With Modular bricks	cum	5700.50
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	5801.50
6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	5582.85
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	205.45
6.6	Extra for forming cavity 5 cm to 11.5 cm wide in cavity walls with necessary weep and vent holes including use of cores and cost of providing and fixing bitumastic coated M .S. ties 300 mm long of 25x3 mm section at not less than 3 ties per sqm as per approved design.	sqm	106.25
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 10 cm / 11.4 cm wide bitumen felt type 3 grade 1.	metre	192.20
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	535.50
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	8845.60
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	10651.75

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	451.80
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	618.00
6.12.2	cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	593.50
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	708.70
6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	sqm	684.20
6.14	Extra for half brick masonry in superstructure, above floor V level for every four floors or part thereof by mechanical means.	sqm	18.20
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	56.85
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	8209.60
6.16.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	7859.75
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	7679.25
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	8739.00
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	11871.20
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	13635.65
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	572.05

Code No.	Description	Unit	Rate ₹
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	441.85
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/mtr depth	474.50
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 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	192.70
EXPOSED BRICK WORK			
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	4853.70
6.26.2	Above plinth level upto floor V level	cum	5727.65
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	4427.95
6.27.2	Above plinth level upto floor V level	cum	5259.10
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	4993.60
6.28.2	Above plinth level upto floor V level	cum	5824.75
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	5066.00
6.29.2	Above plinth level upto floor V level	cum	5864.55
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).		

Code No.	Description	Unit	Rate ₹
	6.30.1 From ground level upto plinth level	cum	4836.45
	6.30.2 Above plinth level upto floor V level	cum	5667.65
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	4908.75
	6.31.2 Above plinth level upto floor V level	cum	5739.95
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	5487.70
	6.32.2 Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	5269.05
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	6359.65
	6.34.2 Cement mortar 1:6 (1 cement : 6 Coarse sand)	cum	6167.20
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	6303.05
	6.35.2 Cement mortar 1:6 (1 cement : 6 Coarse sand)	cum	6110.65
6.36	Brick work with modular extruded brunt fly ash clay sewer bricks (Conforming to IS: 4885) in foundation and plinth :		
	6.36.1 Cement Mortar 1:4 (1 cement : 4 coarse sand)	cum	5102.00
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	8355.00
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	6818.60
6.40	Providing and laying Gypsum panel partitions 100 mm thick with water proof Gypsum panels of size 666x500x100 mm, made of calcite phosphor Gypsum fixed with tongue and groove, jointed with bonding plaster as per manufacturer's specifications in superstructure above plinth level up to floor V level. Gypsum blocks will have a minimum compressive strength of 9.3 kg/cm2	sqm	692.25
6.41	Extra for Gypsum panel Partitions in superstructure above floor V level for every four floors or part thereof.	sqm	73.95

Code No.	Description	Unit	Rate ₹
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	39.20
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	794.00
6.45.2	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	769.50
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	5687.10

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	650.00
0100	Bandhani	day	407.00
0101	Bhisti	day	407.00
0102	Blacksmith 1st class	day	487.00
0103	Blacksmith 2nd class	day	448.00
0112	Carpenter 2nd class	day	448.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0116	Fitter (grade1)	day	487.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0125	Mason (for plain stone work) 2nd class	day	448.00
0126	Mason (for ornamental stone work) 1st class	day	487.00
0139	Skilled Beldar (for floor rubbing etc.)	day	407.00
0367	Portland Cement (OPC-43 grade)	tonne	5700.00
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	3675.00
1007	Structural steel such as tees, angles channels and R.S. joists	quintal	3775.00
1034	Bolts and nuts up to 300 mm in length	quintal	5100.00
1154	Through and bond stone	100 Nos	1260.00
1157	Stone for masonry work	cum	865.00
1160	Red sand stone block	10 cudm	65.00
1161	White sand stone block	10 cudm	70.00
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	315.00
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	180.00
1169	Kota stone slab 25mm thick (rough chiseled)	sqm	280.00

Code No.	Description	Unit	Rate ₹
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	4000.00
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	kilogram	42.00
7339	Stainless steel cramp	kilogram	300.00
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	350.00
8684	White sand stone gang saw cut 30 mm thick	sqm	400.00
8698	Stainless steel cramps (weight 260 grams) with nuts, bolts and washer for dry stone cladding	each	90.00
9977	Carriage	L.S.	1.73
9999	Sundries	L.S.	1.73

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	3965.85
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	4795.15
7.4	Extra for random rubble masonry with hard stone in :		
7.4.1	Square or rectangular pillars	cum	417.20
7.4.2	Circular pillars	cum	1221.00
7.5	Extra for random rubble masonry with hard stone curved on plan for a mean radius not exceeding 6 m.	cum	481.70
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	4639.90
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	4326.45
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	5456.35
7.8.2	Masonry work (second sort), in cement mortar 1:6 (1 cement : 6 coarse sand)	cum	5142.90
7.10	Extra for coursed rubble masonry with hard stone (first or second sort) in:		
7.10.1	Square or rectangular pillars	cum	464.05
7.10.2	Circular pillars	cum	1385.45
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	524.35
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 :		

Code No.	Description	Unit	Rate ₹
7.12.1	One face dressed		
7.12.1.1	Red sand stone	cum	29614.00
7.12.1.2	White sand stone	cum	30388.00
7.12.2	Both face dressed		
7.12.2.1	Red sand stone	cum	39434.00
7.12.2.2	White sand stone	cum	40206.00
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 centring, 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	33949.00
7.13.1.2	White sand stone	cum	34723.00
7.13.2	Both face dressed		
7.13.2.1	Red sand stone	cum	43769.00
7.13.2.2	White sand stone	cum	44542.00
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 centring, 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	52429.00
7.14.1.2	White sand stone	cum	53202.00
7.14.2	Both face dressed		
7.14.2.1	Red sand stone	cum	76782.00
7.14.2.2	White sand stone	cum	77556.00
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	28105.00
7.15.1.2	White sand stone	cum	28879.00
7.15.2	Both faced punched		
7.15.2.1	Red sand stone	cum	36415.00
7.15.2.2	White sand stone	cum	37188.00
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	854.00

Code No.	Description	Unit	Rate ₹
7.17	Extra for plain ashlar or ashlar punched in :		
7.17.1	Square or rectangular pillars	cum	1803.00
7.18	Extra for stone work; plain ashlar or ashlar punched curved on plan with a mean radius not exceeding 6 m.	cum	1255.00
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	451.80
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	41797.00
7.20.2	White sand stone	cum	42571.00
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	2351.00
7.21.2	Circular or polygonal pillars	cum	6661.00
7.22	Extra for stone work ashlar sunk or moulded in cornices.	per metre per cm girth	25.80
MISCELLANEOUS STONE WORK			
7.23	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) :		
7.23.1	Red sand stone - Exposed face fine dressed with rough backing.		
7.23.1.1	70 mm thick	sqm	2774.75
7.23.1.2	60 mm thick	sqm	2670.75
7.23.1.3	50 mm thick	sqm	2567.05
7.23.1.4	40 mm thick	sqm	2462.90
7.23.1.5	30 mm thick	sqm	2358.85
7.23.2	Red sand stone - Exposed face machine cut and table rubbed with rough backing.		
7.23.2.1	70 mm thick	sqm	3744.85
7.23.2.2	60 mm thick	sqm	3640.85

Code No.	Description	Unit	Rate ₹
	7.23.2.3 50 mm thick	sqm	3537.10
	7.23.2.4 40 mm thick	sqm	3433.00
	7.23.2.5 30 mm thick	sqm	3328.95
7.23.3	White sand stone - Exposed face fine dressed with rough backing .		
	7.23.3.1 70 mm thick	sqm	2828.95
	7.23.3.2 60 mm thick	sqm	2717.25
	7.23.3.3 50 mm thick	sqm	2605.75
	7.23.3.4 40 mm thick	sqm	2493.65
	7.23.3.5 30 mm thick	sqm	2382.10
7.23.4	White sand stone - Exposed face machine cut and table rubbed with rough backing.		
	7.23.4.1 70 mm thick	sqm	3799.05
	7.23.4.2 60 mm thick	sqm	3687.35
	7.23.4.3 50 mm thick	sqm	3575.85
	7.23.4.4 40 mm thick	sqm	3463.70
	7.23.4.5 30 mm thick	sqm	3352.15
7.23.5	Gang saw cut stone		
	7.23.5.1 30mm thick White sand stone	sqm	1572.55
	7.23.5.2 30mm thick Red sand stone	sqm	1511.55
7.24	Extra for stone work (veneer work) curved on plan with a mean radius not exceeding 6 m.	cum	1803.00
7.25	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	521.10
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	35.45
7.27	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	29.80
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 :		

Code No.	Description	Unit	Rate ₹
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	1387.70
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	1387.70
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	873.20
7.29.2	White sand stone	sqm	873.20
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	1001.35
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 and dowel bars 7.5 cm long 6 mm dia as per design.	each	3135.10
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	41029.55
7.32.2	White sand stone	cum	41803.55
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	6560.75
7.33.2	White sand stone	sqm	6560.75
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/ mtr depth	474.50
NOTE :- The quantity will be calculated by multiplying the depth measured from sub-soil water level up to the centre of gravity of stone work under sub - water with the quantity of stone work in cum executed under the sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m, 0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored.			

Code No.	Description	Unit	Rate ₹
7.35	Extra for laying stone work in or under foul position.	cum	192.70
7.36	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	1588.20
7.37	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).		
	7.37.1 Kota stone slabs exposed face dressed and rubbed.		
	7.37.1.1 25 mm thick	sqm	1801.10
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	1796.65
	7.38.1.2 Raj Nagar plain white marble/ Udaipur green marble/ Zebra black marble	sqm	1558.55
7.39	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	85.90
STONE WORK IN DRY CLADDING			
7.40	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).		
	7.40.1 Red sand stone - 30mm thick gang saw cut stone	sqm	1439.75
	7.40.2 White sand stone - 30mm thick gang saw cut stone	sqm	1500.70
7.41	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		

Code No.	Description	Unit	Rate ₹
	frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps/ pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid).	kg	134.75
7.42	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	217.15

SUB HEAD : 8.0

MARBLE & GRANITE WORK

BASIC RATES (SH: 8.0 MARBLE & GRANITE WORK)

Code No.	Description	Unit	Rate ₹
0013	Machine for rubbing of floors	day	350.00
0019	Hand Grinder for mirror polish	day	250.00
0100	Bandhani	day	407.00
0101	Bhisti	day	407.00
0102	Blacksmith 1st class	day	487.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0116	Fitter (grade 1)	day	487.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0126	Mason (for ornamental stone work) 1st class	day	487.00
0128	Mate	day	407.00
0139	Skilled Beldar (for floor rubbing etc.)	day	407.00
0367	Portland Cement (OPC-43 grade)	tonne	5700.00
0368	White Cement	tonne	11200.00
0874	Black colour dark shade pigment	kilogram	80.00
1034	Bolts and nuts up to 300 mm in length	quintal	5100.00
1239	18 mm thick Flamed finish granite stone slab	sqm	1700.00
1240	18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 sqm).	sqm	3200.00
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	378.00
7244	Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick	sqm	1700.00
7245	Table rubbed polished stone 18mm thick (75x50cm) Granite stone- 18 mm thick	sqm	1700.00
7295	Granite of any colour, 18 mm thick (slab area upto 0.50 sqm)	sqm	1750.00
7297	Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	1800.00
7338	Gun metal cramp	kilogram	330.00
7339	Stainless steel cramp	kilogram	300.00
7430	Wedge expansion hold fastener 1/4" or 6 mm	each	12.00
7431	Wedge expansion hold fastener 3/8" or 10 mm	each	12.00
7432	Wedge expansion hold fastener 1/2" or 12 mm	each	28.00
7452	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	600.00
7453	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	700.00
9977	Carriage	L.S.	1.73
9999	Sundries	L.S.	1.73

8.0 MARBLE & GRANITE 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	2903.65
8.1.1.2	Area of slab over 0.50 sqm	sqm	3035.50
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	1949.45
8.2.1.2	Area of slab over 0.50 sqm	sqm	1850.15
8.2.2	Granite of any colour and shade		
8.2.2.1	Area of slab upto 0.50 sqm	sqm	3351.95
8.2.2.2	Area of slab over 0.50 sqm	sqm	3113.30
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	144.70
8.3.2	Granite work	metre	245.70
8.4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	metre	266.25
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	427.95
8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	sqm	231.50

Code No.	Description	Unit	Rate ₹
8.7	Providing and fixing cramps of required size & shape in RCC/ CC / Brick masonry backing with cement mortar 1:2 (1 cement : 2 coarse sand), including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).		
8.7.1	Gunmetal cramps	kg	542.55
8.7.2	Stainless steel cramps	kg	521.10
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	25.25
8.8.1.2	Fastener with threaded dia 10 mm	each	25.55
8.8.1.3	Fastener with threaded dia 12 mm	each	44.45
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	1634.65
8.9.1.2	Granite of any colour and shade	sqm	2018.00
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	2831.95
8.10.2	Granite Stone of approved shade	sqm	2831.95
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.	sqm	6647.35
8.11.1	18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.		

Code No.	Description	Unit	Rate ₹
8.12	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 :	sqm	2887.85
8.12.1	Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.		
8.13	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.		
8.13.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	sqm	2937.70

SUB HEAD : 9.0

**WOOD
&
PVC WORK**

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

Code No.	Description	Unit	Rate ₹
0100	Bandhani	day	407.00
0102	Blacksmith 1st class	day	487.00
0103	Blacksmith 2nd class	day	448.00
0111	Carpenter 1st class	day	487.00
0112	Carpenter 2nd class	day	448.00
0114	Beldar	day	368.00
0116	Fitter (grade 1)	day	487.00
0119	Glazier	day	448.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0130	Mistry	day	487.00
0131	Painter	day	448.00
0156	Carpenter (average)	day	467.00
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	215.00
0243	Multipurpose cement bonded wood particle board 8 mm thick conforming to IS : 14276	sqm	210.00
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	330.00
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side	sqm	270.00
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	180.00
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	850.00
0379	Brass butt hinges (light/ordinary type) : 100x70x4 mm	10 Nos	700.00
0380	Brass butt hinges (light/ordinary type) : 75x40x2.5 mm	10 Nos	430.00
0381	Brass butt hinges (light/ordinary type) : 50x40x2.5 mm	10 Nos	180.00
0382	Brass butt hinges (heavy type) : 125x85x5.5 mm(0.70 kg)	10 Nos	1442.00
0383	Brass butt hinges (heavy type) : 100x85x5.5 mm(0.56 kg)	10 Nos	1153.00
0384	Brass butt hinges (heavy type) : 75x65x4.0 mm(0.20 kg)	10 Nos	950.00
0385	Brass parliamentary hinges 150x125x27x5 mm	10 Nos	3000.00
0386	Brass parliamentary hinges 125x125x27x5 mm	10 Nos	2600.00
0387	Brass parliamentary hinges 100x125x27x5 mm	10 Nos	2400.00
0388	Brass parliamentary hinges 75x100x20x3.2 mm	10 Nos	2100.00
0400	Brass tower bolt (barrel type) 250x10 mm	each	250.00
0401	Brass tower bolt (barrel type) 200x10 mm	each	200.00
0402	Brass tower bolt (barrel type) 150x10 mm	each	150.00
0403	Brass tower bolt (barrel type) 100x10 mm	each	100.00
0408	Brass handles 125 mm with plate 175x32 mm	each	140.00

Code No.	Description	Unit	Rate ₹
0409	Brass handles 100 mm with plate 150x32 mm	each	130.00
0410	Brass handles 75 mm with plate 125x32 mm	each	100.00
0411	Brass door latch 300x16x5 mm (0.380 kg)	each	180.00
0412	Brass door latch 250x16x5 mm (0.350 kg)	each	170.00
0413	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	390.00
0414	Brass mortice latch 100x65mm with a pair of brass lever handles	each	300.00
0423	Brass casement window fastener	each	50.00
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	135.00
0425	Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	110.00
0426	Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	100.00
0431	Brass hasps and staples (safety type) 150 mm	10 Nos	780.00
0432	Brass hasps and staples (safety type) 115 mm	10 Nos	650.00
0433	Brass hasps and staples (safety type) 90 mm	10 Nos	560.00
0438	Brass night latch	each	595.00
0447	Brass cupboard knob or wardrobe knob 50 mm	each	35.00
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
0555	Chromium plated Brass handles 125 mm with plate 175 x32 mm	each	175.00
0556	Chromium plated Brass handles 100 mm with plate 150 x 32 mm	each	150.00
0557	Chromium plated Brass handles 75mm with plate 125x32 mm	each	130.00
0558	Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	495.00
0568	Chromium plated brass casement window fastener	each	95.00
0569	Chromium plated Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	150.00
0570	Chromium plated Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	130.00
0571	Chromium plated Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	115.00
0583	Chromium plated Brass Night latch	each	540.00
0584	Chromium plated Brass Wardrobe Knob 50 mm	each	85.00
0585	Chromium plated Brass screws 50 mm	100 Nos	340.00
0586	Chromium plated Brass screws 40 mm	100 Nos	310.00
0587	Chromium plated Brass screws 30 mm	100 Nos	250.00
0588	Chromium plated Brass screws 25 mm	100 Nos	190.00
0589	Chromium plated Brass screws 20 mm	100 Nos	170.00
0590	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	200.00
0591	Chromium plated Brass curtain rod 20 mm dia 1.25mm thick	metre	275.00
0592	Chromium plated Brass curtain rod 25 mm dia 1.25mm thick	metre	365.00

Code No.	Description	Unit	Rate ₹
0594	Bright finished or black enameled mild steel butt hinges 125x65x 2.12 mm	10 Nos	140.00
0595	Bright finished or black enameled mild steel butt hinges 100x58x 1.90 mm	10 Nos	85.00
0596	Bright finished or black enameled mild steel butt hinges 75x47x 1.70 mm	10 Nos	60.00
0597	Bright finished or black enameled mild steel butt hinges 50x37x 1.50 mm	10 Nos	50.00
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	40.00
0635	Bright finished or black enameled mild steel screws 50 mm	100 Nos	77.00
0637	Bright finished or black enameled mild steel screws 40 mm	100 Nos	63.00
0638	Bright finished or black enameled mild steel screws 30 mm	100 Nos	50.00
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	37.00
0640	Bright finished or black enameled mild steel screws 20 mm	100 Nos	32.00
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	140.00
0643	Oxidised mild steel butt hinges 100x58x1.90 mm	10 Nos	90.00
0644	Oxidised mild steel butt hinges 75x47x1.70 mm	10 Nos	65.00
0645	Oxidised mild steel butt hinges 50x37x1.50 mm	10 Nos	55.00
0646	Oxidised mild steel parliamentary hinges 150x125x27x2.8 mm	10 Nos	340.00
0647	Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm	10 Nos	315.00
0648	Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm	10 Nos	235.00
0649	Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm	10 Nos	200.00
0650	Oxidised mild steel single acting spring hinges 150 mm	each	140.00
0651	Oxidised mild steel single acting spring hinges 125 mm	each	120.00
0652	Oxidised mild steel single acting spring hinges 100 mm	each	100.00
0653	Oxidised mild steel double acting spring hinges 150 mm	each	160.00
0654	Oxidised mild steel double acting spring hinges 125 mm	each	140.00
0655	Oxidised mild steel double acting spring hinges 100 mm	each	120.00
0656	Nickel plated mild steel piano hinges 1 mm thick 35 mm wide	metre	45.00
0660	Oxidised mild steel sliding door bolt 300x16 mm	each	95.00
0661	Oxidised mild steel sliding door bolt 250x16 mm	each	85.00
0662	Oxidised mild steel door latch 300x20x6 mm	each	50.00
0663	Oxidised mild steel door latch 250x20x6 mm	each	40.00
0664	Oxidised mild steel tower bolt (barrel type) 250x10 mm	each	45.00
0665	Oxidised mild steel tower bolt (barrel type) 200x10 mm	each	35.00
0666	Oxidised mild steel tower bolt (barrel type) 150x10 mm	each	30.00
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	130.00
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	110.00
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	80.00
0682	Oxidised mild steel screws 50 mm	100 Nos	77.00
0683	Oxidised mild steel screws 40 mm	100 Nos	63.00

Code No.	Description	Unit	Rate ₹
0684	Oxidised mild steel screws 30 mm	100 Nos	50.00
0685	Oxidised mild steel screws 25 mm	100 Nos	37.00
0686	Oxidised mild steel screws 20 mm	100 Nos	32.00
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	570.00
0688	Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	400.00
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	400.00
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	275.00
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	330.00
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	280.00
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	230.00
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	200.00
0696	Anodised Aluminium sliding door bolt 300x16 mm	each	150.00
0697	Anodised Aluminium sliding door bolt 250x16 mm	each	130.00
0698	Anodised Aluminium tower bolt (barrel type) 300x10 mm	10 Nos	590.00
0699	Anodised Aluminium tower bolt (barrel type) 250x10 mm	10 Nos	490.00
0700	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 Nos	390.00
0701	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 Nos	310.00
0702	Anodised Aluminium tower bolt (barrel type) 100x10 mm	10 Nos	230.00
0703	Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 Nos	330.00
0704	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10 Nos	280.00
0705	Anodised Aluminium handles 75mm with plate 125 x 32 mm	10 Nos	235.00
0706	Anodised Aluminium kicking plate 50 cm long 100x3.15 mm	each	145.00
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	1700.00
0715	Block board construction flush door with teak wood ply on both faces 25 mm thick	sqm	1500.00
0717	Block board construction flush door with commercial ply on both faces 35 mm thick	sqm	1000.00
0718	Block board construction flush door with commercial ply on both faces 30 mm thick	sqm	1000.00
0719	Block board construction flush door with commercial ply on both faces 25 mm thick	sqm	960.00
0752	Block board construction flush door lipping 25 mm thick	sqm of door area	315.00
0753	Square vision panel in Block board construction flush door not exceeding 0.10 sqm	sqm of door area	140.00
0754	Circular vision panel in Block board construction flush door	sqm of door area	150.00
0755	Decorative type louvers in Block board construction flush door	sqm of door area	325.00
0757	Rebate cutting in block board construction flush door	sqm of door area	110.00
0759	Decorative plywood 4 mm	sqm	300.00
0763	Glue	kilogram	70.00
0834	Synthetic enamel paint in all shades except black or chocolate shade	litre	150.00

Code No.	Description	Unit	Rate ₹
0869	Plaster of Paris	kilogram	4.00
1003	Mild steel round bar above 12 mm dia	quintal	3575.00
1008	Flats up to 10 mm in thickness	quintal	3675.00
1015	Mild steel expanded metal 20x60 mm strands	sqm	280.00
1021	Hard drawn steel wire fabric size 75 X 25 mm mesh of weight not less than 7.75 kg/sq.m	sqm	400.00
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	660.00
1190	Second class teak wood in planks	10 cudm	675.00
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	30.00
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
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10 kg/sqm)	sqm	286.00
2407	Float glass sheet of nominal thickness 5.5 mm (weight not less than 13.50 kg/sqm)	sqm	490.00
2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	376.00
2413	12 mm commercial ply	sqm	700.00
2414	18 mm thick block board with commercial ply veneering on both sides	sqm	788.00
2449	Oxidised mild steel pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	55.00
2451	Brass cupboard lock 6 levers of approved quality, 40 mm size	each	52.00
2452	Brass cupboard lock 6 levers of approved quality, 50 mm size	each	80.00
2453	Brass cupboard lock 6 levers of approved quality, 65 mm size	each	85.00
2454	Brass cupboard lock 6 levers of approved quality, 75 mm size	each	100.00
2455	Brass hanging type door stopper 150 mm	each	70.00
2456	Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete	each	303.00
2459	Anodised Aluminium hanging type door stopper	each	18.00
2464	Anodised Aluminium pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	45.00
2465	Anodised Aluminium Casement stay 250 mm	each	30.00
2466	Hollock wood in scantling	10 cudm	340.00
2468	Nickled Chromium Brass cupboard lock 40 mm size	each	56.00
2469	Nickled Chromium Brass cupboard lock 50 mm size	each	66.00
2470	Nickled Chromium Brass cupboard lock 65 mm size	each	90.00
2471	Nickled Chromium Brass cupboard lock 75 mm size	each	115.00
2480	Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	807.00
2481	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	850.00

Code No.	Description	Unit	Rate ₹
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	560.00
2489	PVC edge bending tape 2.00 mm thick	metre	30.00
2504	Kiln seasoning of timber	cum	750.00
2505	Hollock wood in planks	10 cudm	390.00
2640	Clear, toughened, interlayered, non-wired fire resistant glass panes of minimum 11 mm thickness (120 minutes)	sqm	25000.00
2641	G.I. U beading of 1.6 mm thick G.I. Sheet with ceramic tape of suitable thickness	metre	240.00
2642	Ceramic tape 5x20 mm size	metre	400.00
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	65.00
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	70.00
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash	metre	95.00
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window / door sash	metre	85.00
3995	G.I fasteners 100 x 8 mm	each	15.00
4009	Mild steel tubes hot finished welded type	kilogram	42.00
7001	Brass 100mm mortice latch and lock with 6 levers without pair of handles	each	220.00
7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	each	225.00
7018	Joint tape roll	roll	105.00
7019	Dash fastener/chemical fastener	each	15.00
7020	All drive screws (for gypsum board)	100 Nos	60.00
7021	Primer (for gypsum board)	litre	73.00
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	260.00
7032	Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	350.00
7033	Nickel plated M.S. pipe 25 mm dia	metre	80.00

Code No.	Description	Unit	Rate ₹
7034	Nickel plated M.S. pipe 20 mm dia	metre	75.00
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	50.00
7042	Mild steel conduit pipe (heavy type) ISI marked-20 mm dia	metre	44.00
7043	Mild steel conduit pipe (heavy type) ISI marked-25mm dia	metre	56.00
7048	Rawl plug 50 mm (designation 10 nos)	each	10.00
7049	Teak wood lipping of size 25x3 mm in pelmets	metre	15.00
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	440.00
7056	Aluminium tee channel (heavy duty) with rollers and stop end	metre	52.00
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	27.00
7060	Hydraulic door closer tubular type Aluminium section body	each	281.00
7063	Oxidised M.S.casement stay (straight peg type) 300 mm not less than 0.33 kg	each	20.00
7064	Oxidised M.S.casement stay (straight peg type) 250 mm not less than 0.28 kg	each	17.00
7065	Oxidised M.S. casement stay (straight peg type) 200 mm not less than 0.24 kg	each	14.00
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	1700.00
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	1800.00
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	2000.00
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	1700.00
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	1700.00
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	1500.00
7157	Laminated veneer lumber confirming to TADS 15:1995 manufactured in factory in frames of doors, windows	10 cudm	730.00
7184	Oxidised M.S. safety chain (weighing not less than 450 gms) for door	each	60.00
7269	25 mm thick particle board	sqm	480.00
7271	IInd class teak wood lipping 25 mm wide x 12 mm thick	metre	30.00

Code No.	Description	Unit	Rate ₹
7272	25 mm thick melamine faced prelaminated three layer particle board	sqm	940.00
7307	For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering	sqm	340.00
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	11.00
7314	Expandable fastener with plastic sleeve and M.S. screws : 40 mm long	each	14.00
7315	Expandable fastener with plastic sleeve and M.S. screws. 50 mm long	each	15.00
7349	12 mm M.S. 'U' beading	metre	15.00
7366	Glass reinforced Gypsum (GRG) board 12.5 mm thick	sqm	250.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm	metre	60.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm	metre	75.00
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	12.00
7390	EPDM Gasket for uPVC window/door	metre	20.00
7443	Aluminium single cleat of size 30x32x3 mm	each	15.00
7444	Aluminium grip strip of size 50x12x2 mm	each	12.00
7445	25 mm thick prelaminated flush door shutter both side decorative	sqm	808.00
7449	Aluminium U beading	kilogram	220.00
7451	Glass sheet (Pin headed) 4 mm thick	sqm	320.00
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	520.00
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	563.00
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	675.00
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	930.00
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	596.00
7485	Oxidised M. S. hinges finished with nickel plating 50 mm (Over all width)	metre	42.00
7486	Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width)	metre	55.00
7512	PTMT handle 125x34x24 mm	each	25.00
7513	PTMT handle 150x34x24 mm	each	25.00
7514	PTMT butt hinges 75x60x10 mm	each	35.00
7515	PTMT butt hinges 100x75x10 mm	each	45.00
7516	PTMT Tower bolt 152x42x18 mm	each	50.00
7517	PTMT Tower bolt 202x42x18 mm	each	70.00
7518	PTMT door catcher 72x42 mm	each	25.00
7552	Coir veneered board 4 mm thick	sqm	300.00

Code No.	Description	Unit	Rate ₹
7553	Coir veneered board 6 mm thick	sqm	400.00
7555	Coir veneered board 12 mm thick	sqm	700.00
7556	Coir veneered board 18 mm thick	sqm	1050.00
8001	24 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1395.00
8002	30 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1522.00
8003	Factory made PVC rigid foam panelled shutter i/c carriage	sqm	2200.00
8004	Factory made PVC rigid foam panelled shutter as per IS : 4020 i/c carriage	sqm	2600.00
8006	Factory made PVC rigid foam sheet 1 mm thick	sqm	200.00
8010	48mmX40mmX1.5mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	160.00
8011	Factory made door frame PVC extruded sheet i/c carriage	metre	350.00
8014	Factory made door frame of size 50x47 mm with wall thickness 5 mm made of single piece extruded profile	metre	500.00
8016	High Density expanded poly ethylene (EPE) Foam 1mm thick	sqm	850.00
8017	Fire Rated door Frame made with 1.6 mm thick G.I. Sheet (120 minutes)	metre	950.00
8018	Fire Rated door shutter made with 1.6 mm thick G.I. Sheet (120 minutes), including hinges but without glass panels but including wastages	sqm	5000.00
8100	Powder coated M.S. butt hinges 100 mm X58 mmX1.9 mm	10 Nos	85.00
8101	Stainless steel ball bearing hinges of size 100x89x3mm	each	300.00
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC Door	each	455.00
8117	Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each set	2000.00
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	950.00
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	247.00
8122	uPVC extruded (small series) casement window sash/window mullion size 47x68 mm	metre	267.00
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash	metre	90.00
8126	uPVC extruded (big series) casement window frame size 67x60 mm	metre	358.00
8127	uPVC extruded (big series) casement door frame size 67x64 mm	metre	370.00
8128	uPVC extruded (big series) casement window sash/window mullion/door mullion size 67x80 mm	metre	423.00
8129	uPVC extruded (big series) casement door sash size 67x110 mm	metre	550.00
8130	uPVC extruded glazing bead of appropriate dimension for (big series) casement window/door sash	metre	114.00

Code No.	Description	Unit	Rate ₹
8131	uPVC extruded glazing bead of appropriate dimension for (small series) sliding window sash	metre	55.00
8132	uPVC extruded glazing bead of appropriate dimension for (big series) of sliding window Sash/ door Sash	metre	82.00
8133	uPVC extruded (small series) 2 track sliding window frame size 52x44 mm	metre	267.00
8134	uPVC extruded (big series) 2 track sliding window/door frame size 67x50mm	metre	367.00
8135	uPVC extruded (small series) 3 track sliding window frame size 92x44 mm	metre	360.00
8136	uPVC extruded (big series) 3 track sliding window/door frame size 116x45mm	metre	505.00
8137	uPVC extruded (small series) 2 track sliding window sash/3 track sliding window sash size 32x60mm	metre	251.00
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm	metre	311.00
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm	metre	311.00
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash	metre	75.00
8141	uPVC extruded interlock of appropriate dimension for big series sliding window /door sash	metre	85.00
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window/door sash	metre	85.00
8143	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash (big series) size 46x82mm	metre	327.00
8210	Stainless steel screws 50 mm	100 Nos	260.00
8211	Stainless steel screws 40 mm	100 Nos	208.00
8212	Stainless steel screws 30 mm	100 Nos	180.00
8214	Stainless steel screws 20 mm	100 Nos	120.00
8215	Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked	10 Nos	250.00
8216	Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked	10 Nos	230.00
8217	Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked	10 Nos	150.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	130.00
8219	Stainless steel butt hinges (heavy weight) 125x64x2.5 mm IS : 12817 marked	10 Nos	330.00
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	240.00
8221	Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS : 12817 marked	10 Nos	195.00
8222	M.S. heavy weight butt hinges 125x90x4.0 mm IS: 1341 marked.	10 Nos	200.00
8223	M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked	10 Nos	150.00
8224	M.S. heavy weight butt hinges 75x60x3.1 mm IS: 1341 marked	10 Nos	90.00
8225	M.S. heavy weight butt hinges 50x40x2.5 mm IS : 1341 marked	10 Nos	75.00
8678	1 mm thick 35 mm wide bright finished stainless steel piano hinges	metre	40.00
8699	8 mm thick tapered edge calcium silicate board	sqm	250.00
8700	10 mm thick calcium silicate board	sqm	400.00
8703	Telescopic drawer channels 300 mm long	set	150.00
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	150.00
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	330.00
8708	30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage	sqm	1700.00
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	300.00
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	20.00
8715	Magnetic catcher double strip horizontal type	each	14.00
8716	100 mm mortice lock with 6 levers for aluminium door	each	340.00
8717	12.5 mm thick Glass fibre reinforced Gypsum board	sqm	195.00
8719	2nd class teak wood lipping/ moulded beading or Taj beading/ ornamental beading of size 18X5mm	metre	35.00
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	65.00
8724	12 mm thick marine plywood conforming to IS: 710	sqm	667.00
8725	12 mm thick fire retardant plywood conforming to IS: 5509	sqm	800.00
8726	1.5 mm thick decorative laminated sheet	sqm	500.00
8727	1.0 mm thick decorative laminated sheet	sqm	250.00
8730	30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage	sqm	2000.00
8734	PVC single piece extruded door frame of profile size 50 mm x 47 mm with wall thickness of 5 mm	metre	247.00
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 0.50 mm dia wire	sqm	650.00
8738	Factory made door frame fire rated (60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with vermiculite based concrete mix	metre	1050.00
8739	Fire rated door shutter made with 16 SWG G.I. sheet (60 minutes) without panel	sqm	4500.00
8740	Fire seal Putty	kg	280.00
8741	Clear fire resistant glass panes 6mm thick (60 minutes)	sqm	21500.00

Code No.	Description	Unit	Rate ₹
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	280.00
8743	Matrix Mineral Board	metre	65.00
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	340.00
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	380.00
8748	37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish	sqm	2600.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window/ door	each	122.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	100.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	55.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door/window	each	90.00
8754	Zinc alloy (white powder coated) crescent lock for uPVC sliding door/window	each	110.00
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows	each	195.00
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for uPVC windows	each	220.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	235.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	320.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	350.00
8772	Aluminium Track on bottom rail for uPVC window	metre	28.00
8773	Wool pile/ weather pile strip for uPVC sliding window	metre	20.00
8774	Aluminium Grill	kilogram	250.00
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	14.00
8777	GI Fastener 100x8 mm	each	15.00
9977	Carriage	L.S.	1.73
9988	Carriage and sundries	L.S.	1.73
9999	Sundries	L.S.	1.73

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	92743.05
9.1.2	Sal wood	cum	85386.95
9.1.3	Kiln seasoned and chemically treated hollock wood	cum	54930.25
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	98053.60
9.3	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position :		
9.3.1	Sal wood	cum	80046.45
9.3.2	Kiln seasoned and chemically treated hollock wood	cum	49465.10
9.4	Extra for additional labour for circular works, such as in frames of fan light		
9.4.1	Second class teak wood	cum	9274.15
9.4.2	Sal wood	cum	8538.90
9.4.3	Kiln seasoned and chemically treated hollock wood	cum	5493.05
9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.		
9.5.1	Second class teak wood		
9.5.1.1	35 mm thick shutters	sqm	2548.15
9.5.1.2	30 mm thick shutters	sqm	2293.60
9.5.2	Kiln seasoned and chemically treated hollock wood		
9.5.2.1	35 mm thick shutters	sqm	1795.60
9.5.2.2	30 mm thick shutters	sqm	1645.50
9.5.3	Kiln seasoned selected planks of sheesham wood		
9.5.3.1	35 mm thick shutters	sqm	2500.15
9.5.3.2	30 mm thick shutters	sqm	2237.40

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), including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, all complete as per directions of Engineer-in-charge and panelling with panels of :		
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	2301.90
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	2418.05
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	2650.35
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	2037.05
9.7.2	Kiln seasoned and chemically treated hollock wood	sqm	1434.40
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	1643.70
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	1704.20
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	1845.00
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	972.10

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	1239.60
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	1300.15
9.7.5.4	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS:12823 marked	sqm	1346.60
9.7.6	Coir Veneer Board (conforming to IS 14842)		
9.7.6.1	12 mm thick	sqm	1493.05
9.7.7	Float glass panes		
9.7.7.1	4 mm thick glass pane	sqm	1169.60
9.7.7.2	5.5 mm thick glass panes	sqm	1456.80
9.7.8	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4 mm wide aperture with matching wood beading	sqm	1383.50
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	3059.60
9.9.1.2	30 mm thick	sqm	2768.70
9.9.2	Kiln seasoned and chemically treated hollock wood		
9.9.2.1	35 mm thick	sqm	2202.60
9.9.2.2	30 mm thick	sqm	2031.10
9.9.3	Kiln seasoned selected planks of sheesham wood		
9.9.3.1	35 mm thick	sqm	3005.00
9.9.3.2	30 mm thick	sqm	2721.65
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, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, all as per directions of Engineer-in-charge.		
9.10.1	30 mm thick shutters	sqm	2301.90
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	5.5 mm thick instead of 4 mm thick.	sqm	236.95

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	74.35
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	39.30
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	99.80
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	150.25
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	50.45
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	2613.05
9.16.1.2	Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	sqm	2744.60
9.16.2	Glazed shutters :		
9.16.2.1	Second class teak wood including ISI marked anodized aluminium butt hinges with necessary screws	sqm	2537.85
9.16.2.2	Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	sqm	2572.50
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	542.05
9.17.2	18 mm thick	sqm	677.95

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	990.50
9.18.2	25 mm thick	sqm	1304.55
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	2488.95
9.20.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	2372.80
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	2129.10
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	1559.75
9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	1559.75
9.21.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	sqm	1501.90
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	394.90
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	365.85
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	162.60
9.24.2	Circular	sqm	174.25

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	377.50
9.26	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	sqm	127.75
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	2940.50
9.27.1.1.2	Kiln seasoned and chemically treated hollock wood	sqm	2181.85
9.27.1.1.3	Kiln seasoned selected class of sheesham wood	sqm	2892.10
9.27.1.2	With ISI marked stainless steel butt hinges of required size		
9.27.1.2.1	Second class teak wood	sqm	3040.30
9.27.1.2.2	Kiln seasoned and chemically treated hollock wood	sqm	2281.65
9.27.1.2.3	Kiln seasoned selected class of sheesham wood	sqm	2991.95
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	2609.95
9.27.2.1.2	Kiln seasoned and chemically treated hollock wood	sqm	1961.80
9.27.2.1.3	Kiln seasoned selected class of sheesham wood	sqm	2568.50
9.27.2.2	With ISI marked stainless steel butt hinges of required size		
9.27.2.2.1	Second class teak wood	sqm	2709.75
9.27.2.2.2	Kiln seasoned and chemically treated hollock wood	sqm	2061.50
9.27.2.2.3	Kiln seasoned selected class of sheesham wood	sqm	2668.35

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, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, as per directions of Engineer-in-charge:		
9.31.1	35 mm thick shutters	sqm	2301.90
9.31.2	30 mm thick shutters	sqm	2069.60
MISCELLANEOUS-WOOD WORK			
9.32	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	21.85
9.33	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.		
9.33.1	25 mm long	each	15.80
9.33.2	32 mm long	each	18.00
9.33.3	40 mm long	each	21.50
9.33.4	50 mm long	each	22.65
9.34	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.		
9.34.1	40 mm thick	sqm	4579.10
9.34.2	25 mm thick	sqm	2995.75
9.34.3	20 mm thick	sqm	2425.95
9.34.4	12 mm thick	sqm	1581.50
9.35	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 surface, with necessary fixing arrangement and screws etc. complete :		
9.35.1	12 mm thick	sqm	954.00
9.35.2	18 mm thick	sqm	1097.10
9.35.3	25 mm thick	sqm	1422.90
9.36	Providing and fixing specified wood frame work consisting of battens 50x25 mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.		
9.36.1	Kiln seasoned and chemically treated hollock wood	cum	99169.30

Code No.	Description	Unit	Rate ₹
9.37	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 :		
9.37.1	Decorative veneer facings of approved manufacture	sqm	1030.70
9.38	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	1030.70
9.39	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 :		
9.39.1	18 mm thick	sqm	1287.15
9.39.2	25 mm thick	sqm	1612.95
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	119.65
9.40.1.2	50 x 20 mm	metre	154.75
9.40.2	Kiln seasoned and chemically treated hollock wood		
9.40.2.1	50x12 mm	metre	97.80
9.40.2.2	50x20 mm	metre	118.35
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	1725.45
9.42	Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed 3 layer or graded wood particle board medium density grade I, IS : 3087 marked, including top cover of 6 mm commercial ply wood conforming to IS: 303 BWR grade, nickel plated M.S. pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.	metre	367.35
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	484.50

Code No.	Description	Unit	Rate ₹
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	33.45
9.44.2	Particle board with decorative veneering on both sides	metre	92.90
9.45	Providing and fixing teak wood lipping of size 25x3 mm in pelmet.	metre	41.10
9.46	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :		
9.46.1	12 mm dia	metre	272.20
9.46.2	20 mm dia	metre	359.30
9.46.3	25 mm dia	metre	463.85
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	119.25
9.47.2	25 mm dia (heavy type)	metre	126.25
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	104.65
9.48.2	Fixed to openings /wooden frames with rawl plugs screws etc.	kg	112.45
9.49	Providing and fixing expanded metal 20x60 mm strands 3.25 mm wide and 1.6 mm 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	910.35
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	1054.00
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	846.45
9.51.2	With 12 mm mild steel U beading	sqm	597.00
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	132.40
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	118.60

Code No.	Description	Unit	Rate ₹
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	78067.60
9.54.2	Hollock wood	cum	47258.60
	BRIGHT FINISHED MS 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	35.10
9.55.2	100x58x1.90 mm	each	27.40
9.55.3	75x47x1.70 mm	each	21.95
9.55.4	50x37x1.50 mm	each	11.65
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	42.05
9.56.2	100x75x3.50 mm	each	34.95
9.56.3	75x60x3.10 mm	each	25.45
9.56.4	50x40x2.50 mm	each	14.55
	"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	35.30
9.57.2	100x58x1.90 mm	each	28.00
9.57.3	75x47x1.70 mm	each	22.55
9.57.4	50x37x1.50 mm	each	12.20
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	59.15
9.58.2	125x125x27x2.80 mm	each	56.25
9.58.3	100x125x27x2.80 mm	each	46.95
9.58.4	75x100x20x2.24 mm	each	40.55
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	199.65
9.59.2	125 mm	each	176.45
9.59.3	100 mm	each	151.90

Code No.	Description	Unit	Rate ₹
9.60	Providing and fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete.		
9.60.1	150 mm	each	222.90
9.60.2	125 mm	each	199.65
9.60.3	100 mm	each	175.15
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	178.40
9.61.2	Overall width 50 mm	metre	174.90
9.61.3	Overall width 65 mm	metre	190.00
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	154.85
9.62.2	250x16 mm	each	142.05
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	64.00
9.63.2	200x10 mm	each	51.05
9.63.3	150x10 mm	each	44.10
9.63.4	100x10 mm	each	31.40
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	78.15
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	68.90
9.65.2	250x20x6 mm	each	57.30
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	28.60
9.66.2	100 mm	each	22.65
9.66.3	75 mm	each	19.15
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	23.05
9.67.2	115 mm	each	20.30
9.67.3	90 mm	each	16.80

Code No.	Description	Unit	Rate ₹
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	30.95
9.68.2	250 mm weighing not less than 150 gms	each	26.85
9.68.3	200 mm weighing not less than 120 gms	each	23.35
9.69	Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors, (weighting not less than 450 gms)	each	77.65
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	64.85
9.70.2	100X58X1.90 mm	each	57.70
9.70.3	75x47x1.80 mm	each	41.45
9.70.4	50x37x1.50 mm	each	25.00
9.71	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :		
9.71.1	125x64x2.50 mm	each	74.15
9.71.2	100x60x2.50 mm	each	58.90
9.71.3	75x50x2.50 mm	each	46.70
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	205.95
9.72.2	125x70x4 mm (ordinary type)	each	137.20
9.72.3	100x85x5.5 mm (heavy type)	each	162.45
9.72.4	100x70x4 mm (ordinary type)	each	109.85
9.72.5	75x65x4 mm (heavy type)	each	132.85
9.72.6	75x40x2.5 mm (ordinary type)	each	72.45
9.72.7	50x40x2.5 mm (ordinary type)	each	30.20
9.73	Providing and fixing bright finished brass parliamentary hinges with necessary screws etc. complete :		
9.73.1	150x125x27x5 mm	each	378.70
9.73.2	125x125x27x5 mm	each	332.25
9.73.3	100x125x27x5 mm	each	309.00
9.73.4	75x100x20x3.2 mm	each	268.10

Code No.	Description	Unit	Rate ₹
9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :		
9.74.1	250x10 mm	each	313.20
9.74.2	200x10 mm	each	251.50
9.74.3	150x10 mm	each	193.45
9.74.4	100x10 mm	each	132.10
9.75	Providing and fixing bright finished brass door latch with necessary screws etc. complete :		
9.75.1	300x16x5 mm	each	227.05
9.75.2	250x16x5 mm	each	215.40
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	556.45
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	451.95
9.78	Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete.	each	794.55
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	163.90
9.79.2	50 mm	each	196.40
9.79.3	65 mm	each	202.20
9.79.4	75 mm	each	219.65
9.80	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.	each	49.10
9.81	Providing and fixing bright finished brass handles with screws etc. complete:		
9.81.1	125 mm	each	171.20
9.81.2	100 mm	each	159.20
9.81.3	75 mm	each	124.35
9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	each	85.85
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	414.45

Code No.	Description	Unit	Rate ₹
9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	each	388.40
9.85	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	each	68.55
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	169.15
9.86.2	250 mm weighing not less than 280 gms	each	138.25
9.86.3	200 mm weighing not less than 240 gms	each	126.65
9.87	Providing and fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete :		
9.87.1	150 mm	each	104.80
9.87.2	115 mm	each	88.10
9.87.3	90 mm	each	77.65
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	678.40
9.89	Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc. complete.	each	730.70
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	168.50
9.90.2	Size 50 mm	each	180.15
9.90.3	Size 65 mm	each	208.00
9.90.4	Size 75 mm	each	237.05
9.91	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	each	107.20
9.92	Providing and fixing chromium plated brass handles with necessary screws etc. complete:		
9.92.1	125 mm	each	211.85
9.92.2	100 mm	each	182.45
9.92.3	75 mm	each	159.20
9.93	Providing and fixing chromium plated brass casement window fastener with necessary screws etc. complete.	each	125.00

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	188.90
9.94.2	250 mm weighing not less than 280 gms	each	165.65
9.94.3	200 mm weighing not less than 240 gms	each	148.25
	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	118.20
9.95.2	125x63x4 mm	each	98.45
9.95.3	100x75x4 mm	each	87.55
9.95.4	100x63x4 mm	each	79.45
9.95.5	100x63x3.2 mm	each	73.05
9.95.6	75x63x4 mm	each	62.05
9.95.7	75x63x3.2 mm	each	56.25
9.95.8	75x45x3.2 mm	each	52.80
	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	212.45
9.96.2	250x16 mm	each	189.20
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	99.70
9.97.2	250x10 mm	each	88.10
9.97.3	200x10 mm	each	76.15
9.97.4	150x10 mm	each	64.30
9.97.5	100x10 mm	each	49.20
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	66.55

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	184.45
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	51.10
9.100.2	100 mm	each	45.10
9.100.3	75 mm	each	38.95
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	27.55
9.101.2	Twin rubber stopper	each	38.00
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	49.50
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	622.15
9.104	Providing and fixing aluminium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod.	metre	64.55

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, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5		
-------	--	--	--

Code No.	Description	Unit	Rate ₹
	mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.		
9.105.1	75 mm overall thickness partition with 12.5 mm thick double skin fire rated board conforming to IS: 2095: part I	sqm	1309.65
9.105.2	75mm overall thickness partition with 12.5 mm thick double skin tapered edged plain Gypsum board conforming to IS: 2095: part I	sqm	1181.85
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	1309.65
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	1228.35
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	1222.60
9.106	Providing and fixing PTMT handles with necessary screws etc. complete.		
9.106.1	125x34x24 mm weighing not less than 23 gms	each	34.40
9.106.2	150x34x24 mm weighing not less than 26 gms	each	34.40
9.107	Providing and fixing PTMT Butt hinges with necessary screws etc. complete.		
9.107.1	75x60x10 mm fitted with 5.5 mm dia M.S. Bright Bar Rod weighing not less than 34 gms	each	55.65
9.107.2	100x75x10 mm fitted with 5.5 mm dia MS Bright Bar Rod weighing not less than 53 gms	each	69.80
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	66.25
9.108.2	202x42x18 mm weighing not less than 78 gms	each	91.70
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	32.15

Code No.	Description	Unit	Rate ₹
9.110	Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25 mm 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	434.50
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	197.30
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	64.35
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	473.65
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	28.45
9.114.2	Double strip (horizontal type)	each	21.50
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	198.25
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	12.55
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 1mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge		
9.117.1	Extruded section profile size 48x40 mm	metre	216.80
9.117.2	Extruded section profile size 42x50 mm	metre	205.20
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		

Code No.	Description	Unit	Rate ₹
	screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).	sqm	1800.45
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	1948.00
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	2154.75
9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.	metre	438.75

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 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.		
9.120.1	30 mm thick plain PVC door shutters	sqm	2768.10
9.120.2	30 mm thick pre laminated PVC door shutters	sqm	3232.70
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 2 mm 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	415.50
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	2187.35
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	2535.80

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	380.70
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 5 mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100 mm x 8 mm complete as per manufacturer's specifications and direction of Engineer-in-charge.		
9.124.1	Non decorative finish	sqm	2535.80
9.124.2	Decorative finish (both side wood grained finish)	sqm	2651.95
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	846.40
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	1446.60
9.126.2	Fire retardant plywood conforming to IS: 5509	sqm	1633.80
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	837.40
9.127.2	1.0 mm thick	sqm	518.00
9.128	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1		

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.	sqm	4113.35
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 IIInd 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	1590.80
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 IIInd 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	1370.10
	9.130.2 With non decorative veneering on both sides	sqm	1265.55
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	1270.30
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	437.80
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 48 mm 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	1014.10
9.133.2	Multipurpose cement bonded particle board with suitable cement bonded board screws		
9.133.2.1	8 mm thick Cement fiber board as per IS: 14862	sqm	777.70
9.133.2.2	8 mm thick Cement bonded wood particle board as per IS:14276	sqm	771.30
9.133.3	Gypsum board conforming to IS: 2095 Part -1.		
9.133.3.1	12.5 mm thick	sqm	752.10
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	3236.20
9.134.1.1.2	Kiln seasoned and chemically treated hollock wood	sqm	2477.55
9.134.1.1.3	Kiln seasoned selected class of sheesham wood	sqm	3187.80
9.134.1.2	With ISI marked stainless steel butt hinges of required size		
9.134.1.2.1	Second class teak wood	sqm	3336.00
9.134.1.2.2	Kiln seasoned and chemically treated hollock wood	sqm	2577.35
9.134.1.2.3	Kiln seasoned selected class of sheesham wood	sqm	3287.65
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	2905.60
9.134.2.1.2	Kiln seasoned and chemically treated hollock wood	sqm	2257.40
9.134.2.1.3	Kiln seasoned selected class of sheesham wood	sqm	2864.20

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	3005.45
	9.134.2.2.2 Kiln seasoned and chemically treated hollock wood	sqm	2357.35
	9.134.2.2.3 Kiln seasoned selected class of sheesham wood	sqm	2964.05
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	1343.55
	9.135.2 With 12 mm mild steel U beading	sqm	1094.10
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	1249.20
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	5335.85
9.138	Providing and fixing glazing in fire resistant door shutters, fixed panels, ventilators and partitions etc., with G.I. beading of appropriate size, made out of 20 SWG G.I. sheet (zinc coating not less than 120 gm/m ²), fire resistant sealant, including applying a coat of approved fire resistant primer on G.I. beading etc., complete all as per direction of Engineer-in-charge.		
	9.138.1 With clear fire resistant glass panes 6mm thick of approved brand, having minimum 60 minutes fire resistance	sqm	27399.45
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	6143.30

Code No.	Description	Unit	Rate ₹
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	1074.65
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	614.50
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	2718.45
9.142.2	Decorative finish (wood grained finish)	sqm	3241.10
9.143	Providing and Fixing factory made uPVC door frame, made of uPVC extruded sections , of size 65 mm x 55 mm with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be mitred cut and jointed with plastic brackets and stainless steel screws, reinforcing hinge side vertical of the frames with PVC profile of Size 28 mm x 30 mm having wall thickness 2 mm (± 0.2 mm), including providing & fixing 3 nos of 125 mm long stainless steel hinges to the frame, fixing the frame with jamb with required number & size of anchor dash fastners, all complete as per manufacturer's specification and direction of Engineer-in-charge.	metre	425.90

Code No.	Description	Unit	Rate ₹
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	2967.80
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 verticals sides of the frame reinforced with PVC profile of cross section size 28 mm x 30 mm x 2 mm thickness (± 0.2 mm) and 75 mm x 200 mm long, 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	472.35
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	3200.10
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 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		

Code No.	Description	Unit	Rate ₹
	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.		
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	7908.15
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	7281.90
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	5822.60
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	8162.65
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	8373.20
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		

Code No.	Description	Unit	Rate ₹
	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	6270.45
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.</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	5399.70
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>		

Code No.	Description	Unit	Rate ₹
	Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.		
9.147C.1	Casement door with 3D hinges made of (big series) frame 67 x 64 mm & sash 67 x 110 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead/ double glazing bead of appropriate dimension. (Area of door upto 2.00 sqm).	sqm	7859.55
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)	sqm	8016.65
9.147D	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately)		
	Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.		
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	5608.60
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	7494.70

Code No.	Description	Unit	Rate ₹
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	5826.05
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	7261.20
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	6889.55
9.147E	<p>Providing and fixing factory made uPVC white colour sliding glazed window above 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads, uPVC extruded interlocks and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle on one side of extreme panel along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) touch lock with hook (if required for wire mesh panel), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately).</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.</p>		

Code No.	Description	Unit	Rate ₹
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	5530.70
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	4893.00
9.147F	<p>Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately).</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.</p>		
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	5062.15
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	4491.60

Code No.	Description	Unit	Rate ₹
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	5106.90
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	6532.85
9.148	Providing and fixing stainless steel (SS-304 grade) friction hinges to the side/ top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge.		
9.148.1	200 x 19 x 1.9 mm	each	241.80
9.148.2	250 x 19 x 1.9 mm	each	270.85
9.148.3	300 x 19 x 1.9 mm	each	288.25
9.148.4	350 x 19 x 1.9 mm	each	387.00
9.148.5	400 x 19 x 1.9 mm	each	421.80
9.149	Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete.	each	149.95
9.150	Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete.	each	124.40
9.151	Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.	each	72.15
9.152	Providing and fixing steel roller for uPVC sliding door with necessary screws etc. complete.	each	112.80
9.153	Providing and fixing steel (white power coated) crescent lock for uPVC sliding window/ door with necessary screws etc. complete.	each	136.05
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	78.45

Code No.	Description	Unit	Rate ₹
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 conforming to IS:14587	sqm	1155.15
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 conforming to IS:14587	sqm	700.55
9.156.2	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick conforming to IS:14587	sqm	869.45
9.157	Providing and fixing Pre-laminated medium density fibre board conforming to IS: 14587:1998 marked, with one side decorative lamination and 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	18 mm thick	sqm	1024.50
9.157.2	25 mm thick	sqm	1393.40
9.158	Providing and fixing in wall lining medium density fibre board IS: 14587:1998 marked, Pre-laminated with one side decorative lamination and other side balancing lamination, with necessary fixing arrangement and screws etc. all complete.		
9.158.1	12 mm thick.	sqm	749.10
9.158.2	18 mm thick.	sqm	915.20
9.158.3	25 mm thick.	sqm	1298.50
9.159	Providing and fixing 25mm thick pre-laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked with one side decorative and other side balancing lamination, for cupboard shutters edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand, including ISI marked nickel plated bright finishing M.S. piano hinges Conforming to IS:3818 with necessary screw etc. all complete.	sqm	1484.65
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	1279.50
9.160.2	25 mm thick.	sqm	1662.80

Code No.	Description	Unit	Rate ₹
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	1260.00
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	6839.35
9.163	Providing and fixing non load bearing fixed frame for fire resistant glazed Partition for 120 min 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 min of both integrity & radiation control (EW120) & minimum 15 min of insulation (EI15).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 meaurment 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 the directions of Engineer - in- charge .	metre	1260.00
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 direction of Engineer-in-charge. The glass shall be clear, toughened, interlayered, non-wired fire resistant having 11 mm thickness of approved brand with 120		

Code No.	Description	Unit	Rate ₹
	minutes of fire resistance both integrity & radiation control (EW120) and minimum 15 min of insulation (EI15) and having a sound reduction of 37dB and LT of 86%. Glass shall be compliant to class 2(B)2 category of Impact Resistance as per EN 12600. The glass should be manufactured in UL & TUV audited Facility and including UL-EU Certification. The maximum glazing size cannot be more than 1100 mm x 2200 mm (w x h) or 2.42 sq mts in total area. The test report for the complete system (Glazed Door or Partition) will be considered valid only if it contains the stamp and signature of the authorized signatory from the glass manufacturer. (Actual glass size is to be measured at site for payments).	sqm	34058.90
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	89.70
9.165.2	100 mm	each	66.50
9.165.3	75 mm	each	43.25

SUB HEAD : 10.0

STEEL WORK

BASIC RATES (10.0 STEEL WORK)

Code No.	Description	Unit	Rate ₹
0100	Bandhani	day	407.00
0102	Blacksmith 1st class	day	487.00
0103	Blacksmith 2nd class	day	448.00
0112	Carpenter 2nd class	day	448.00
0114	Beldar	day	368.00
0116	Fitter (grade 1)	day	487.00
0119	Glazier	day	448.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0139	Skilled Beldar (for floor rubbing etc.)	day	407.00
0595	Bright finished or black enameled mild steel butt hinges 100x58x1.90 mm	10 Nos	85.00
0969	Pulley 25 mm dia	each	55.00
0973	Rolling shutter made of 80x1.25 mm machine rolled laths	sqm	1320.00
0974	Top cover for rolling shutters 1.25 mm thick	metre	886.00
0975	27.5 cm long wire spring grade No. 2 for rolling shutters	each	350.00
0976	Ball bearing for rolling shutters	each	280.00
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	600.00
0978	Extra for mechanical devices chain and cranked operation for operating rolling shutters: exceeding 16.80 sqm area of door	sqm	600.00
1002	Mild steel round bar 12 mm dia and below	quintal	3675.00
1003	Mild steel round bar above 12 mm dia	quintal	3575.00
1007	Structural steel such as tees, angles channels and R.S. joists	quintal	3775.00
1008	Flats up to 10 mm in thickness	quintal	3675.00
1009	Flats exceeding 10 mm in thickness	quintal	3775.00
1010	Mild steel plates	quintal	3900.00
1011	Steel glazed door, window/ ventilator, all members viz. F7D, F4B, K11 and K12B etc.	kg	48.00
1013	Mild steel sheets of 1.00 mm thickness for tanks	quintal	3775.00
1019	Mild steel hooks	each	30.00
1020	Mild steel rivets	quintal	4500.00
1034	Bolts and nuts up to 300 mm in length	quintal	5100.00
1035	Bolts and nuts above 300 mm in length	quintal	5250.00
1036	Iron pintels including welded pin	each	37.00
1143	Steel beading 10 x 10 x 1.6 mm (Box Type)	metre	27.00
1214	Welding by gas plant	cm	2.00
1215	Welding by electric plant	cm	2.00
1221	20 mm dia holding down bolts	quintal	5500.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	120.00

Code No.	Description	Unit	Rate ₹
1549	G.I. pipes 40 mm dia	metre	185.00
2205	Carriage of Steel	tonne	92.24
2271	Carriage of G.I. pipes below 100 mm dia	tonne	92.24
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10 kg/sqm)	sqm	286.00
2407	Float glass sheet of nominal thickness 5.5 mm (weight not less than 13.50 kg/sqm)	sqm	490.00
2506	Carbon Steel galvanised (min 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 60mm	10 Nos	260.00
2507	Carbon Steel galvanised (min 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 80mm	10 Nos	300.00
2508	Carbon Steel galvanised (min 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 120mm	10 Nos	365.00
2509	Carbon Steel galvanised (min 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 140mm	10 Nos	460.00
2510	Carbon Steel galvanised (min 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 160mm	10 Nos	575.00
4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	230.00
4002	Stainless steel bolts/square bar and plates	kg	120.00
4006	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "B"	metre	200.00
4007	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "C"	metre	220.00
4008	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "E"	metre	250.00
4009	Mild steel tubes hot finished welded type	kilogram	42.00
4010	Mild steel tubes hot finished seamless type	kilogram	45.00
4011	Mild steel tubes electric resistant or induction butt welded	kilogram	60.00
4012	Circular C.I. Box for ceiling fan internal dia 140 mm ,73 mm height ,top lid of 1.5 mm thick M.S sheet	each	55.00
4013	Pulley 40 mm dia	each	30.00
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	sqm	260.00
7044	Rolling shutters of 80x0.90 mm laths	sqm	1000.00
7045	Rolling shutters of 80x1.2 mm laths	sqm	1100.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	300.00
7047	Top cover of Rolling shutters 1.20 mm thick	metre	320.00
7068	Extra for providing grilled rolling shutters with 8 mm dia M.S. rod	sqm	270.00
8737	Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50 mm dia wire	sqm	650.00
9977	Carriage	L.S.	1.73
9988	Carriage and sundries	L.S.	1.73
9999	Sundries	L.S.	1.73

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	58.45
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	67.60
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	5360.65
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	3292.00
10.5	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.		
10.5.1	Using M.S. angles 40x40x6 mm for diagonal braces	sqm	2870.25
10.5.2	Using flats 30x6mm for diagonal braces and central cross piece	sqm	2761.90
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	2316.10
10.6.2	80x1.20 mm M.S. laths with 1.20 mm thick top cover	sqm	1841.40
10.6.3	80x0.90 mm M.S. laths with 0.90 mm thick top cover	sqm	1717.50
10.7	Providing and fixing ball bearing for rolling shutters.	each	379.30
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	724.05
10.8.2	Exceeding 16.80 sqm in area	sqm	724.05
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	313.60

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	39.05
10.10.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	kg	20.25
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	113.60
10.11.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	kg	84.20
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	38.35
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	74.05
10.13.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	kg	70.45
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	340.35
10.14.1.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	metre	332.30
10.14.2	Profile C		
10.14.2.1	Fixing with adjustable lugs with split end tail to each jamb	metre	363.55
10.14.2.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	metre	355.55
10.14.3	Profile E		
10.14.3.1	Fixing with adjustable lugs with split end tail to each jamb	metre	398.40
10.14.3.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	metre	390.40
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	124.05
10.15.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	kg	115.30
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	90.25
10.16.2	Hot finished seamless type tubes	kg	93.90
10.16.3	Electric resistance or induction butt welded tubes	kg	112.20
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	112.15
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	130.10

Code No.	Description	Unit	Rate ₹
10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	kg	68.00
10.20	Providing and fixing bolts including nuts and washers complete.	kg	96.25
10.21	Providing and fixing M.S. rivets of sizes in position.	kg	140.70
10.22	Welding by gas or electric plant including transportation of plant at site etc. complete.	cm	2.85
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	65.80
10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	85.95
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	92.00
10.26.2	E.R.W. tubes	kg	118.05
10.26.3	G.I. pipes	kg	100.25
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	70.10
10.27.2	10 x 80 mm	each	74.75
10.27.3	10 x 120 mm	each	91.80
10.27.4	10 x 140 mm	each	102.80
10.27.5	10 x 160 mm	each	125.65
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	472.40

Code No.	Description	Unit	Rate ₹
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	544.45
10.29.2	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	sqm	1041.55
10.30	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :		
10.30.1	4.0 mm thick glass panes	sqm	689.05
10.30.2	5.5 mm thick glass panes	sqm	949.70
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	66.00

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	350.00
0100	Bandhani	day	407.00
0101	Bhisti	day	407.00
0103	Blacksmith 2nd class	day	448.00
0111	Carpenter 1st class	day	487.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0126	Mason (for ornamental stone work) 1st class	day	487.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	487.00
0130	Mistry	day	487.00
0139	Skilled Beldar (for floor rubbing etc.)	day	407.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1300.00
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1300.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1300.00
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	1300.00
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	34561.00
0367	Portland Cement (OPC-43 grade)	tonne	5700.00
0368	White Cement	tonne	11200.00
0682	Oxidised mild steel screws 50 mm	100 Nos	77.00
0784	Marble dust/ powder	cum	1000.00
0785	Marble chips up to 4 mm and down size White & black	quintal	250.00
0788	Marble chips large size above 4 mm White & black	quintal	250.00
0874	Black colour dark shade pigment	kilogram	80.00
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	80.00
0876	Green or blue medium shade pigment	kilogram	80.00
0982	Coarse sand (zone III)	cum	1200.00
0983	Fine sand (zone IV)	cum	760.00
1007	Structural steel such as tees, angles channels and R.S. joists	quintal	3775.00
1008	Flats up to 10 mm in thickness	quintal	3675.00
1149	Glass strip 4 mm thick 40 mm deep	metre	20.00
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
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished)	sqm	280.00

Code No.	Description	Unit	Rate ₹
1187	First class teak wood in scantling	10 cudm	880.00
1190	Second class teak wood in planks	10 cudm	675.00
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	3200.00
1241	commercial LPG cylinder	kg	65.00
1242	Glass mosaic tiles (20 mm x 20 mm x 4 mm)	sqm	1076.00
1243	Tile fixing chemical adhesive	kg	20.00
1244	Cement Polymer Grout Compound	kg	25.00
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 (1 part badarpur sand: 2 parts jamuna 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 7.5	1000Nos	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	147.00
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

Code No.	Description	Unit	Rate ₹
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	378.00
6001	White marble slab Makrana second quality plain veined 18 mm thick	sqm	1500.00
6007	Pink marble slab plain 18 mm thick	sqm	677.00
6010	Udaypur green marble slab plain 18 mm thick	sqm	650.00
6019	Black Zebra marble slab plain 18 mm thick	sqm	500.00
7024	Acid Proof cement	tonne	8150.00
7048	Rawl plug 50 mm (designation 10 nos)	each	10.00
7070	Chequered precast cement concrete tiles 22 mm thick using marble chips of size 6mm - Light shade using white cement	sqm	360.00
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	450.00
7236	Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement	sqm	235.00
7237	Precast chequered cement tiles 22 mm thick medium shade using 50% white cement 50% ordinary cement	sqm	350.00
7254	Hardening compound	litre	40.00
7388	Dash hold fastener 12.5mm dia, 50 mm long with 6 mm dia bolt	each	12.00
7800	Ceramic Glazed Tiles 1st quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black	sqm	210.00
7801	Ceramic Glazed Tiles 1st quality 300 x 300 mm in all shades and designs of White, Ivory, grey, Fume Red brown etc.	sqm	210.00
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	334.00
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	600.00
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 Tile 200 x 75 mm	each	16.00
8682	Epoxy Grout	kg	371.00
8731	High polymer modified quickset tile adhesive	per kg	9.00
9977	Carriage	L.S.	1.73
9988	Carriage and sundries	L.S.	1.73
9999	Sundries	L.S.	1.73

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	675.95
11.1.2	1:6 (1cement : 6 coarse sand)	sqm	638.00
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 sand, with common burnt clay non modular bricks.	sqm	516.00
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	362.60
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	555.25
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	609.05
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	350.05
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	5804.35
11.8	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.	sqm	36.85
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 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	616.80

Code No.	Description	Unit	Rate ₹
	11.9.2 Light shade pigment with white cement	sqm	642.65
	11.9.3 Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	629.75
	11.9.4 White cement without any pigment	sqm	618.10
	11.9.5 Light shade pigment with ordinary cement	sqm	616.80
	11.9.6 Ordinary cement without any pigment	sqm	588.90
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	639.75
	11.10.2 Light shade pigment with white cement	sqm	676.65
	11.10.3 Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	658.20
	11.10.4 White cement without any pigment	sqm	643.35
	11.10.5 Light shade pigment with ordinary cement	sqm	639.75
	11.10.6 Ordinary cement without any pigment	sqm	601.05
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	671.00
	11.11.2 Light shade pigment with white cement	sqm	722.75
	11.11.3 Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	696.85
	11.11.4 White cement without any pigment	sqm	669.90
	11.11.5 Light shade pigment with ordinary cement	sqm	671.00
	11.11.6 Ordinary cement without any pigment	sqm	618.15
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) :		

Code No.	Description	Unit	Rate ₹
	11.12.1.1 Dark shade pigment with ordinary cement	sqm	879.65
	11.12.1.2 Light shade pigment with white cement	sqm	905.50
	11.12.1.3 Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	892.60
	11.12.1.4 White cement without any pigment	sqm	880.95
	11.12.1.5 Light shade pigment with ordinary cement	sqm	879.65
	11.12.1.6 Ordinary cement without any pigment	sqm	852.60
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	52.50
11.14	Extra for laying terrazo flooring on staircase treads not exceeding 30 cm in width, including cost of forming, nosing etc.	sqm	41.25
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	948.85
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	952.35
	11.16.2 Medium shade pigment using 50% white cement and 50% ordinary cement	sqm	912.75
	11.16.3 Dark shade pigment using ordinary cement	sqm	873.15
	11.16.4 Ordinary cement without any pigment	sqm	818.15
11.17	Extra if terrazo tiles are laid in treads of steps not exceeding 30 cm in width.	sqm	51.55
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	1280.50
	11.18.2 Medium shades pigment using 50% white cement and 50% ordinary cement	sqm	1233.85
	11.18.3 Dark shade pigment using ordinary cement	sqm	1187.25
	11.18.4 Ordinary cement without any pigment	sqm	1117.90

Code No.	Description	Unit	Rate ₹
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	939.60
11.19.2	Medium shade pigment using 50% white cement, 50% ordinary cement	sqm	957.50
11.19.3	Dark shade pigment using ordinary cement	sqm	892.30
11.19.4	Ordinary cement without any pigment	sqm	837.45
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	906.75
11.20.2	Medium shade pigment using 50% white cement 50% Grey cement	sqm	878.60
11.20.3	Dark shade pigment using ordinary cement	sqm	716.35
11.20.4	Ordinary cement without any pigment	sqm	661.35
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	1073.35
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	1143.60
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	909.70
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	2724.75
11.23.2	Raj Nagar plain	sqm	1522.60
11.23.3	Agaria White	sqm	2190.50
11.23.4	Black Zebra	sqm	1389.05

Code No.	Description	Unit	Rate ₹
11.23.5	Udaipur green marble	sqm	1589.40
11.23.6	Pink plain marble	sqm	1625.45
11.24	Extra for pre finished nosing to treads of steps of marble stone.	metre	306.25
11.25	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 metre.	sqm	357.95
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	1158.10
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	1238.20
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	631.70
11.28.2	White sand stone	sqm	631.70
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	743.70
11.29.2	White sand stone	sqm	743.70
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	813.10
11.30.2	White sand stone	sqm	813.10
11.31	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	metre	84.85
11.32	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.	sqm	18.95
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	3094.50
11.33.2	Second class deodar wood	sqm	2307.80
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		

Code No.	Description	Unit	Rate ₹
	(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	7266.95
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	85.60
CERAMIC GLAZED TILES			
11.36	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	744.80
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 @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	sqm	688.35
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	660.20
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 @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete.	sqm	747.90
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 @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	sqm	822.45
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		

Code No.	Description	Unit	Rate ₹
	Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete.	sqm	901.05
	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 @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.		
11.41.1	Size of Tile 500x500 mm	sqm	988.45
11.41.2	Size of Tile 600x600 mm	sqm	1119.40
11.41.3	Size of Tile 800x800 mm	sqm	1414.95
11.41.4	Size of Tile 1000x1000 mm	sqm	2057.85
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 @ 3.3kg/sqm	sqm	466.45
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	386.20
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	476.60
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	1113.20
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 @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.		
11.46.1	Size of Tile 500x500 mm	sqm	1004.25
11.46.2	Size of Tile 600x600 mm	sqm	1135.20
11.46.3	Size of Tile 800x800 mm	sqm	1432.80
11.46.4	Size of Tile 1000x1000 mm	sqm	2075.70

Code No.	Description	Unit	Rate ₹
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	131.90
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	1109.65
11.47.2	Size of Tile 600x600 mm	sqm	1240.60
11.47.3	Size of Tile 800x800 mm	sqm	1538.25
11.47.4	Size of Tile 1000x1000 mm	sqm	2181.10
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	199.85
11.48.2	Size of Tile 600x600 mm	sqm	167.05
11.48.3	Size of Tile 800x800 mm	sqm	134.25
11.48.4	Size of Tile 1000x1000 mm	sqm	97.20
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	1038.60
11.49.2	Size of Tile 600x600 mm	sqm	1169.55
11.49.3	Size of Tile 800x800 mm	sqm	1467.20
11.49.4	Size of Tile 1000x1000 mm	sqm	2110.10
11.50	Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.	sqm	8.30
11.51	Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm, including		

Code No.	Description	Unit	Rate ₹
	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	5006.10
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	5233.75
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 approved design. The glass mosaic tiles shall 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. All completed as per direction of Engineer-in-charge.	sqm	1603.75
11.54	<p>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</p> <p>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.</p> <p>b) Stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid, rigid support for access floor panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-in-charge.</p>		

Code No.	Description	Unit	Rate ₹
	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 corrosion resistant 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	4024.50
11.54.2	450 mm Finished Floor Height (FFH).	sqm	4275.40

SUB HEAD : 12.0

ROOFING

BASIC RATES (SH: 12.0 ROOFING)

Code No.	Description	Unit	Rate ₹
0013	Machine for rubbing of floors	day	350.00
0100	Bandhani	day	407.00
0101	Bhisti	day	407.00
0102	Blacksmith 1st class	day	487.00
0103	Blacksmith 2nd class	day	448.00
0111	Carpenter 1st class	day	487.00
0112	Carpenter 2nd class	day	448.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0116	Fitter (grade 1)	day	487.00
0117	Assistant Fitter or 2nd class Fitter	day	448.00
0122	Mason (for plaster of paris work) 1st class	day	487.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0128	Mate	day	407.00
0130	Mistry	day	487.00
0131	Painter	day	448.00
0139	Skilled Beldar (for floor rubbing etc.)	day	407.00
0155	Mason (average)	day	467.00
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	37.00
0223	Fibre (high impact poly propylene reinforced) cement corrugated sheet 6 mm thick	sqm	225.00
0224	Fibre (high impact poly propylene reinforced) cement close fitting adjustable ridge	metre	210.00
0225	Fibre (high impact poly propylene reinforced) cement corrugate serrated adjustable ridge	metre	210.00
0226	Fibre (high impact poly propylene reinforced) cement plain wing adjustable ridge	metre	210.00
0227	Fibre (high impact poly propylene reinforced) cement unserrated adjustable ridge for hips	metre	210.00
0228	Fibre (high impact poly propylene reinforced) cement corrugated apron piece	metre	200.00
0229	Fibre (high impact poly propylene reinforced) cement eaves filler piece	each	175.00
0230	Fibre (high impact poly propylene reinforced) cement north light curves	metre	280.00
0231	Fibre (high impact poly propylene reinforced) cement ventilator curves	each	310.00
0232	Fibre (high impact poly propylene reinforced) cement barge boards boards 6 mm thick	metre	400.00
0233	Fibre (high impact poly propylene reinforced) cement ridge finial	pair	165.00

Code No.	Description	Unit	Rate ₹
0234	Fibre (high impact poly propylene reinforced) cement special north light curves	each	555.00
0235	Fibre (high impact poly propylene reinforced) cement S type louvers	each	260.00
0236	Multi purpose fibre (high impact poly propylene reinforced) cement board 6 mm thick	sqm	210.00
0242	6 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	205.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1300.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1300.00
0308	Bhusa	quintal	600.00
0309	Paving bitumen of grade VG-10 of approved quality	tonne	29600.00
0314	Bitumen hot sealing compound : grade A	kg	28.00
0328	White face insulating board: 12 mm thick	sqm	250.00
0332	Natural colour insulating board: 12 mm thick	sqm	220.00
0336	Flame retardant face insulating board: 12 mm thick	sqm	330.00
0341	Flat pressed 3 layer particle board (medium density) Grade 1, 12 mm thick	sqm	330.00
0367	Portland Cement (OPC-43 grade)	tonne	5700.00
0368	White Cement	tonne	11200.00
0370	Coal (steam)	quintal	400.00
0452	Brass screws 25 mm	100 Nos	100.00
0637	Bright finished or black enameled mild steel screws 40 mm	100 Nos	63.00
0765	Hessian clothes	kg	70.00
0771	Kerosene oil	litre	45.00
0811	Mud (dry)	cum	150.00
0845	Roofing paint for iron sheets in red colour	litre	120.00
0865	Pig lead	kg	138.00
0869	Plaster of Paris	kg	4.00
0870	Plug	each	10.00
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kg	80.00
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	310.00
0982	Coarse sand (zone III)	cum	1200.00
0992	Galvanised steel plain sheets	quintal	5600.00
0994	Standard quality hard board sheet 3 mm thick	sqm	144.00
0996	Standard quality hard board sheet 4.5 mm thick	sqm	1.00
1001	Spun yarn	kg	50.00
1008	Flats up to 10 mm in thickness	quintal	3675.00
1015	mild steel expanded metal 20 x 60 mm strands 3.25 mm wide, 1.60 mm thick	sqm	280.00

Code No.	Description	Unit	Rate ₹
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	115.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	11.00
1025	Mild steel bolts 6 mm dia and 25 mm long with hexagonal head	10 Nos	27.00
1031	Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steel nuts	each	22.00
1032	Galvanised steel bolts 10 mm dia and 7 cm long with nuts	each	18.00
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	225.00
1190	Second class teak wood in planks	10 cudm	675.00
1196	First class kail wood in planks	10 cudm	310.00
1204	Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick	sqm	475.00
1207	G.I. Limpet washer	100 Nos	35.00
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	32.00
1211	G.I. plain washer for seam bolts	100 Nos	30.00
1213	Water proofing materials	kg	35.00
1219	Wire nails	kg	60.00
1220	Wire mesh (rabbit)	sqm	42.00
1331	M.S. Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	20.00
1984	Common burnt clay F.P.S. bricks tile class designation 10	1000 Nos	5200.00
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
2308	Carriage of Plaster of paris	tonne	92.24
3002	Polyvinyle 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	5200.00

Code No.	Description	Unit	Rate ₹
4009	Mild steel tubes hot finished welded type	kg	42.00
4202	Red oxide Zinc chromate primer	litre	65.00
7009	12.5 mm thick tapered edge gypsum plain borad	sqm	160.00
7010	Galvanised Steel ceiling section (size 80x26x0.50 mm)	metre	48.00
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50 mm)	metre	23.00
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90 mm)	metre	40.00
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50 mm)	metre	13.00
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	27.00
7017	Joint finisher	kg	24.00
7018	Joint tape roll	roll	105.00
7019	Dash fastner /chemical fastener	each	15.00
7020	All drive screws (for gypsum board)	100 Nos	60.00
7021	Primer (for gypsum board)	litre	73.00
7028	12.5 mm thick Fully Perforated gypsum board	sqm	430.00
7030	12.5 mm thick tapered edge gypsum fire resistant board	sqm	255.00
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	285.00
7050	PU Primer	sqm	40.00
7051	40 mm (average) PU spray having 40-45 kg/m3 density	sqm	421.00
7052	GI wire netting 3/4" x 24 G	sqm	27.00
7053	400 G polythene sheet	sqm	15.00
7090	Expanded polystyrene type N- Normal 50 mm thick	sqm	130.00
7091	Expanded polystyrene type - SE 50 mm thick	sqm	155.00
7187	C.I. grating 150 mm dia, weighing not less than 440 gm	each	28.00
7188	uPVC pipes (working pressure 4 kg / cm ²) Single socketed pipe size 75 mm dia	metre	72.00
7189	uPVC pipes (working pressure 4 kg / cm ²) Single socketed pipe size 110 mm dia	metre	135.00
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	12.00
7192	uPVC coupler for UPVC drainage pipes 75 mm	each	19.00
7193	uPVC coupler for UPVC drainage pipes 110 mm	each	41.00
7194	uPVC pushfit coupler (single) 75 mm thick	each	19.00
7195	uPVC pushfit coupler (single) 110 mm thick	each	34.00
7196	uPVC single equal Tee (without door) 75x75x75 mm	each	48.00
7197	uPVC single equal Tee (without door) 110x110x110 mm	each	85.00

Code No.	Description	Unit	Rate ₹
7198	uPVC single equal Tee (with door) 75x75x75 mm	each	62.00
7199	uPVC single equal Tee (with door) 110x110x110 mm	each	97.00
7208	UPVC bend 87.5° 75 mm bend	each	37.00
7209	UPVC bend 87.5° 110 mm bend	each	62.00
7212	UPVC plain shoe 75 mm bend	each	28.00
7213	UPVC plain shoe 110 mm bend	each	49.00
7214	UPVC pipe clip 75 mm bend	each	16.00
7215	UPVC pipe clip 110 mm bend	each	15.00
7231	Resin Bonded Glass wool 16 kg/m³ : 50 mm thick	sqm	105.00
7232	Resin Bonded Glass wool 24 kg/m³ : 50 mm thick	sqm	150.00
7238	High Albedo paint	kg	240.00
7266	Pressed clay tiles 20mm thick 250x250 mm size	1000 Nos	9000.00
7267	Plain ceiling tiles (BWP type phenol formaldehyde synthetic resin bonded) (600x600x12 mm)	each	120.00
7268	Semi perforated ceiling tiles (600 x 600x 12 mm)	each	112.00
7273	Resin Bonded Rockwool 48 kg/m³	sqm	125.00
7385	3 mm thick translucent white acrylic plastic sheet	sqm	570.00
7386	12 mm thick particle board ceiling tile	sqm	112.00
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	12.00
7857	P.T.M.T. Grating square slit 150 mm	each	50.00
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	5000.00
8589	Calcium Silicate tegular edged ceiling tiles 495x495 mm and 15 mm thick on edges	sqm	860.00
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33 mm (3 metre long)	each	113.00
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	63.00
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (1.2 metre long)	each	38.00
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (0.6 metre long)	each	19.00
8594	Galvanised steel soffit cleat (Size 25x35x1.60 mm)	each	4.00
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	1.00
8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	650.00
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	812.00
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	510.00
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	610.00

Code No.	Description	Unit	Rate ₹
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	470.00
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	480.00
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	180.00
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)	metre	90.00
8606	Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)	metre	110.00
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	101.00
8612	Perimeter wall angle 24 x 24 x 0.3 mm (3 metre long)	each	75.00
8613	Intermediate cross T-Section 24x25x0.3 mm (1.2 m long)	each	34.00
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 fastner 6 mm dia, 50 mm long	each	8.00
8667	UV stabilised 2 mm thick plain FRP sheet	sqm	470.00
8668	UV stabilised 2 mm thick corrugated FRP sheet	sqm	540.00
8669	Mangalore ridge tiles 20 mm thick	each	8.00
8670	Mangalore tiles 20 mm thick	each	8.00
8671	Precoated galvanised iron profile sheet 0.50 mm TCT	sqm	375.00
8672	Precoated galvanised steel plain ridges 0.50 mm TCT and 500 - 600 mm wide	metre	230.00
8673	Precoated galvanised steel flashings/aprons 0.50mm TCT and wide upto 600 mm	metre	230.00
8674	Precoated galvanised steel gutter	metre	455.00
8675	Precoated galvanised steel north light curves	metre	250.00
8676	Precoated galvanised steel barge board	metre	235.00
8677	Precoated galvanised steel crimp curve	sqm	250.00
8699	8 mm thick tapered edge calcium silicate board	sqm	250.00
8784	8 mm thick Calcium silicate perforated tiles of size 595 x595 mm	sqm	690.00
9977	Carriage	L.S.	1.73
9988	Carriage and sundries	L.S.	1.73
9999	Sundries	L.S.	1.73

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	957.95
12.1.2	0.80 mm thick with zinc coating not less than 275 gm/m ²	sqm	818.95
12.1.3	0.63 mm thick with zinc coating not less than 275 gm/ m ²	sqm	700.55
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	49.65
12.2.2	0.80 mm thick	metre	39.70
12.2.3	0.63 mm thick	metre	39.70
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	283.00
12.3.2	0.80 mm thick	metre	226.05
12.3.3	0.63 mm thick	metre	226.05
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	608.35
12.4.2	0.63 mm thick with zinc coating not less than 275 gm/m ²	metre	539.10
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	1115.00
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	471.65

Code No.	Description	Unit	Rate ₹
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	564.70
12.7.2	0.63 mm thick with zinc coating not less than 275 gm/m ²	metre	507.05
12.8	Providing high impact Polypropylene reinforced 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	367.85
12.9	Extra for straight cutting in polypropylene reinforced cement corrugated, semi-corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter for chimney stacks, skylights etc.	metre	39.70
12.10	Extra for circular cutting in polypropylene reinforced cement corrugated/ semi-corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter.	metre	109.75
12.11	Extra for providing and fixing wind ties of 40x 6 mm flat iron section.	metre	103.30
12.12	Providing and fixing ridges and hips in fibre cement high impact polypropylene reinforced roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc. complete.		
12.12.1	Corrugated serrated adjustable ridges	metre	348.70
12.12.2	Plain wing adjustable ridges	metre	348.70
12.12.3	Close fitting adjustable ridges	metre	395.40
12.12.4	Unserrated adjustable hips	metre	348.00
12.13	Providing and fixing fibre cement high impact polypropylene reinforced 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	297.65
12.13.2	Eave's filler pieces	metre	238.50
12.13.3	North light curves	metre	404.75

Code No.	Description	Unit	Rate ₹
12.13.4	Ventilator curves	metre	441.55
12.13.5	Barge boards	metre	532.20
12.13.6	Ridge finials	pair	222.90
12.13.7	Special north light curves	each	738.70
12.13.8	S type louvers	metre	343.10
12.14	Providing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing asbestos cement / G.S. sheets gutters with purlins.	metre	50.10
12.15	Painting top of roofs with bitumen of approved quality @ 17kg per 10 sqm impregnated with a coat of coarse sand at 60 cum per 10 sqm, including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete :		
12.15.1	With residual type petroleum bitumen of grade VG -10	sqm	102.50
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	596.70
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 bhusa @ 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	587.85
12.18	Extra for every additional 1 cm thickness of mud phaska.	sqm	12.55
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	426.70

Code No.	Description	Unit	Rate ₹
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	438.45
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	153.00
12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	each	187.60
12.23	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete :		
12.23.1	Red sand stone slab		
12.23.1.1	40 to 50 mm thick	sqm	560.05
12.23.2	White sand stone slab		
12.23.2.1	40 to 50 mm thick	sqm	560.05
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	529.40
12.24.2	White face insulating board		
12.24.2.1	12 mm thick	sqm	567.75
12.24.3	Flame retardant face insulating board		
12.24.3.1	12 mm thick	sqm	669.95
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	669.40

Code No.	Description	Unit	Rate ₹
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	516.10
12.26.2	6 mm thick Cement bonded wood particle board as per IS:14276	sqm	509.70
12.27	Extra for Circular cutting including wastages in ceiling with:		
12.27.1	2nd class teak wood planks 20 mm thick	metre	395.40
12.27.2	Natural colour insulating board		
12.27.2.1	12 mm thick	metre	225.30
12.27.3	White face insulating board:		
12.27.3.1	12 mm thick	metre	230.10
12.27.4	Flame retardant face insulating board:		
12.27.4.1	12 mm thick	metre	242.80
12.27.5	Standard quality hard board sheet:		
12.27.5.1	3 mm thick	metre	213.15
12.27.5.2	4.5 mm thick	metre	190.45
12.28	Extra for providing and fixing ceiling to curved surfaces in narrow widths	sqm	194.10
12.29	DELETED		
12.30	DELETED		
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	864.60
12.31.2	Curved surfaces	sqm	1013.60
12.32	Extra for sunk or raised mouldings in the plaster of Paris (Gypsum anhydrous) ceiling.	sqm	265.40
12.33	Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5 metres height from floor level.	sqm per metre height	113.85
12.34	Providing and fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Fibre glass wool conforming to IS : 8183, density 24kg / m3, 50mm thick, wrapped in 200 G Virgin Polythene bags, fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5 mm x 24 gauge wire mesh, for top most ceiling of building.	sqm	425.10

Code No.	Description	Unit	Rate ₹
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.	194.25
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	219.15
12.36.2	With Type SE - Self Extinguishing type 50 mm thick	sqm	251.10
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	90.85
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	167.35
12.38.2	150 mm diameter	each	196.40
12.39	Providing lead caulked joints to sand cast iron rain water pipes and fittings:		
12.39.1	100 mm dia Pipe	each	309.95
12.39.2	150 mm dia Pipe	each	430.75
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	395.30
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	148.75
12.41.2	110 mm diameter	metre	236.35

Code No.	Description	Unit	Rate ₹
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	64.95
12.42.1.2	110 mm	each	102.65
12.42.2	Single pushfit Coupler		
12.42.2.1	75 mm	each	64.95
12.42.2.2	110 mm	each	94.55
12.42.3	Single tee with door		
12.42.3.1	75x75x75 mm	each	121.50
12.42.3.2	110x110x110 mm	each	181.55
12.42.4	Single tee without door		
12.42.4.1	75x75x75 mm	each	105.25
12.42.4.2	110x110x110 mm	each	167.60
12.42.5	Bend 87.5°		
12.42.5.1	75 mm bend	each	76.55
12.42.5.2	110 mm bend	each	113.10
12.42.6	Shoe (Plain)		
12.42.6.1	75 mm Shoe	each	66.10
12.42.6.2	110 mm Shoe	each	98.00
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	182.55
12.43.2	110 mm	each	181.40
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	40.90
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		

Code No.	Description	Unit	Rate ₹
	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	sqm	806.20
12.45.2	12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I	sqm	922.05
12.45.3	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	958.65
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	1135.50
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	66.45

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	989.50
12.47.2	2 mm thick flat	sqm	883.60
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	238.00
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	52.45
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	550.40
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	360.45
12.51.2	Flashings/ Aprons.(Upto 600 mm)	metre	332.80
12.51.3	North light curves	metre	393.45

Code No.	Description	Unit	Rate ₹
12.51.4	Barge board (Upto 300 mm)	metre	321.05
12.51.5	Crimp curve	sqm	362.65
12.51.6	Gutter .(600 mm over all girth)	metre	833.05
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 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	1041.95
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	1163.90

Code No.	Description	Unit	Rate ₹
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	993.15
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	1005.35
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.		

Code No.	Description	Unit	Rate ₹
	<p>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.</p>	sqm	1497.90
12.54	<p>Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring T with :</p>		
12.54.1	<p>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.</p>	sqm	1329.65
12.54.2	<p>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.</p>	sqm	1527.25
12.55	<p>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.</p>	sqm	1150.00

Code No.	Description	Unit	Rate ₹
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	1151.05
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	255.75
12.58	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.		
12.58.1	8 mm thick fully perforated calcium silicate board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with minimum compressive strength 225 kg/ sq. cm, bending strength		

Code No.	Description	Unit	Rate ₹
	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.	sqm	1221.80
12.59	Providing & fixing false ceiling at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I channels 45 x15 x 0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, including fixing of Calcium Silicate Board to ceiling section and perimeter channels with the help of dry wall screws of size 3.5 x25mm at 230mm c/c, including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes, finishing with jointing compounds in three layers covering up to 150mm on both sides of joints and two coats of primer suitable for boards, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed, all complete as per drawings, 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	916.75
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	393.20

Code No.	Description	Unit	Rate ₹
12.61	Providing and fixing thermal insulation with Resin bonded rock wool conforming to IS: 8183, density 48 kg/m ³ , 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	219.80
12.62	Providing and fixing thermal insulation with Resin Bonded rock wool conforming to IS: 8183, having density 48 kg/m ³ , 50 mm thick, wrapped in 200 G Virgin Polythene Bags fixed to wall with screws, rawel plug & washers and held and in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.	sqm	223.80
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 be 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	254.65