

# GOVERNMENT OF ANDHRA PRADESH



## BUILDINGS – SoR: 2011-2012

### COMMITTEE OF CHIEF ENGINEERS

SCHEDULE OF RATES  
FOR  
BUILDING WORKS

FOR THE YEAR 2011-2012  
(Effective from 1st June, 2011)

ALL ENGINEERING  
DEPARTMENTS

Office of the Engineer-in-Chief (R&B)  
Buildings, R&B Department  
Errum manzil, Hyderabad

Procs.No. CEB/TA8/AEE3/B-SoR: 2011-12

Dt: 11-07-2010.

Sub:- Printing of Buildings-SoR for all the Engineering Departments specific to the functioning of Building works – Buildings-SoR:2011-12 – Communication of Buildings-SoR – Reg.,

Ref:- 1. G.O.Rt.No.471, T,R&B (R.1) Dept., dt:20-04-2007.  
2. Minutes of Committee of Chief Engineers meeting for Building-SORs held on Dt: 11-07-2011.

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**The Government of Andhra Pradesh have constituted a Committee of Chief Engineers of Engineering departments dealing with Building works for finalizing and communicating Buildings-SoR (Civil & Electrical) vide G.O. 1<sup>st</sup> cited. In accordance therewith the Committee of Chief Engineers has finalized and approved the Buildings-SoR: 2011-12 in the Minutes of Meeting held on 11-07-2011.**

**The rates for the Building items (Civil, Water Supply & Sanitary and Electrical items) are to be followed henceforth by all the concerned departments for building works. The rates of Labour Rates, Common Material & Work items, Public Health items, Conveyance Rates of Materials & Hire charges of Common SoR-2011-12 remain unchanged. No other items other than the items communicated in this Buildings-SoR shall be introduced.**

**The Heads of Departments mentioned below are authorized to print the Buildings-SoR: 2011-12. The unauthorized printing & selling of the Buildings-SoR is strictly prohibited.**

The revised rates will come into force with immediate effect.

The receipt of the proceedings may please be acknowledged.

Enclosed: Buildings SoR: 2011-12-CD as above

Sri. N. Rama Rao  
Engineer-in-Chief (R&B) Buildings  
Convener-Member,  
Committee of Chief Engineers- Buildings-SoR

To

1. Engineer-in-Chief (Admn. & NH), Roads & Buildings Department, Errummanzil, Hyderabad.
2. Engineer-in-Chief (IW)I&CAD, Irrigation Department, Errummanzil, Hyderabad.
3. Engineer-in-Chief (Roads), Roads & Buildings Department, Errummanzil, Hyderabad.
4. Engineer-in-Chief, P.H.&M.E. Department, A,C, Guards, Hyderabad.
5. Engineer-in-Chief (P.R.), Panchayat Raj Department, Errummanzil, Hyderabad.
6. Engineer-in-Chief, Tribal Welfare & Social Welfare Department, Masab tank, Hyderabad.
7. Engineer-in-Chief, Greater Hyderabad Hyderabad Corporation (GHMC), Tankbund, Hyderabad
8. Chief Engineer (R&B) (NABARD), R&B Department, Errummanzil, Hyderabad.
9. Chief Engineer (QC), R&B Department, Errummanzil, Hyderabad.
10. Chief Engineer (R&B) (Designs), R&B Department, Errummanzil, Hyderabad.
11. Chief Engineer (AP Housing Board) Gruhakalpa, nampally, Hyderabad
12. Chief Engineer, Greater Hyderabad Hyderabad Corporation (GHMC) Tankbund, Hyderabad
13. Chief Engineer (Housing Corporation) Urdugally, Himayatnagar, Hyderabad
14. Chief Engineer(APSRTC), RTC 'X' Roads, Musheerabad, Hyderabad.
15. Chief Engineer(APMSIDC), Illrd Floor, DM&HS Campus, Sultanbazar, Koti, Hyderabad.
16. Chief Engineer (AP Police Housing & Welfare Corporation), Lakdi-ka-pool, Hyderabad.
17. Superintending Engineer (R&B), Head Quarters Circle, Khairatabad, Hyderabad
18. Superintending Engineer (R&B), Electrical Circle, Errummanzil, Hyderabad.

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# **PREAMBLE**

1. The estimate preparing authorities are advised to allow relevant Municipal Area Allowance or any such allowance on the labour components of civil, water supply & sanitary items wherever applicable as per the guidelines and preamble of Common SoR:2011-12.
2. The rates of Labour, Common Material & Work items, Public Health items, Conveyance Rates of Materials & Hire charges of Common SoR-2011-12 remain applicable. The specifications, stipulations & all other conditions of Common-SoR other than specified in this context remain applicable.
3. The supply rates as proposed by the Engineer-in-Chief (PH) for SWG Pipes, bends, fittings and other related items have been finalized in the Buildings SoR-2011-12.
4. The inconsistencies and errors observed in A.P. Revised Standard data for 'Building works' have been corrected, rectified and approved. The amended standard data is appended to this Buildings SoR-2011-12. Centering charges for RCC walls, shear walls and water tank walls given separately in the schedule of rates are for both faces of the respective members. The measurement of centering charges shall be in 'sqm' for one face only and the centering charges given are for two faces of centering.
5. The specifications of the aggregates for sizes and gradation and its adoption shall be as per IS 383.
6. No allowance towards Labour Importation & Labour Amenities shall be added extra as they are included in the recommended overheads.
7. For sand, gravel, murum, stones, coarse aggregates etc, the rates are fixed for delivery at Quarry, including seigniorage (royalty) charges, loading charges by machinery / manual means and idle hire charges of machinery (as per table under chapter "conveyance or lead and lift charges") as applicable.
8. For all the materials, the basic rates given in the Buildings SoR are 'landing prices' at the site, except where mentioned specifically.
9. For the materials where the basic rates are mentioned as 'quarry rates' in the Buildings SoR, which includes initial lead of 1.0 km, lead charges are to be added for the lead distances from the approved quarries as applicable.
10. The basic item rates provided in the schedule of rates include 50 m (conveyance by manual means) or 1 km (conveyance by mechanical means) as initial lead and no lead charges shall be allowed where the source of material is within the initial lead specified in item rate. Additional lead charges shall be allowed for the lead exceeding initial lead specified in the item rate.

11. The lead charges per unit quantity for conveyance of the materials are worked out, and included in the schedule of rates in increment of 50 m for head load and in increment of 1 km for mechanical mode.
12. The rates for lead charges by head load up to 150 meters and by machinery up to 5 km shall be cumulative and inclusive of lead charges for preceding lead.
13. Loading and unloading charges are not payable for conveyance by head load.
14. Loading and unloading charges are not payable for conveyance by mechanical means, for disposal of excavated material unless specified.
15. The rates for unloading of materials except earth, sand, gravel, coarse aggregate, rubble, size stone and cut stone, are inclusive of stacking wherever applicable.
16. Unless otherwise specified, all material rates shall be inclusive of all taxes, duties, levies, royalty/seigniorage, transportation and handling costs up to project area, but excluding 'Works Contract Tax (VAT)'.
17. As envisaged by the High Level Committee in the 'SSR Guidelines' appended to the G.O.Ms.No.49 I&CAD (PW-Reforms) Dept., dt: 02-03-2009, a special software is developed by National Academy of Construction, Hyderabad for the 'revised standard data for Building items', which shall be adopted for standardization and uniform rates.
18. Any errors, omissions, corrections or suggestions shall be brought to the notice of the 'COMMITTEE OF THE CHIEF ENGINEERS (Buildings SoR)' for corrective action.
19. For any new items to be included in the 'Schedule of Rates', recommendations with specific remarks of the respective departments should reach the 'Committee of Chief Engineers' well in advance.
20. The CWC (Ministry of Irrigation) has recommended that "where standard or schedule of rates are revised or where is necessary to do so, the primary guiding principle should be escalation in labour and material cost and not on trend of rates quoted by the contractors". The 'Committee of Chief engineers' (Buildings SoR) have considered the practicality and adoptability of the 'Buildings-SoR' in construction of the building projects in finalizing the 'Buildings-SoR'.



# **BUILDING ITEMS**

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
1	2	3	4	5
<b>A</b>		<b>BRICKS &amp; BUILDING BLOCKS</b>		
1	BMT-A.01	Bricks second class or ground moulded (Non-Modular or traditional size) 23 x 11 x 7 cm (ex-quarry price - excluding cost of conveyance, loading & unloading)	1000 Nos	<b>3100.00</b>
2	BMT-A.02	- do- modular size 19 x 9 x 9 cm (ex-quarry price - excluding cost of conveyance, loading & unloading)	1000 Nos	<b>4185.00</b>
3	BMT-A.03	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 290 x 225 x 140 mm	Each	<b>17.00</b>
4	BMT-A.04	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 290 x 200 x 140 mm	Each	<b>14.50</b>
5	BMT-A.05	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 290 x 150 x 140 mm	Each	<b>10.00</b>
6	BMT-A.06	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 290 x 112/100 x 140 mm	Each	<b>9.00</b>
7	BMT-A.07	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 225 x 100 x 60 mm	Each	<b>4.50</b>
8	BMT-A.08	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 145 x 225 x 140 mm	Each	<b>10.00</b>
9	BMT-A.09	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 145 x 200 x 140 mm	Each	<b>8.00</b>
10	BMT-A.10	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 290 x 225 x 140 mm	Each	<b>14.50</b>
11	BMT-A.11	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 290 x 200 x 140 mm	Each	<b>11.50</b>
12	BMT-A.12	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 290 x 150 x 140 mm	Each	<b>8.00</b>
13	BMT-A.13	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 290 x 112/100 x 140 mm	Each	<b>7.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
14	BMT-A.14	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 225 x 100 x 60 mm	Each	3.50
15	BMT-A.15	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 145 x 225 x 140 mm	Each	8.00
16	BMT-A.16	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 (ex-quarry price - excluding cost of conveyance, loading & unloading) 145 x 200 x 140 mm	Each	7.00
17	BMT-A.17	Cinder	1 Cum	495.00
18	BMT-A.18	Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm <sup>2</sup> of Aerocon / Airolite or equivalent products (landing cost - including cost of conveyance, loading & unloading) 600 x 200 x 100 mm	Each	75.00
19	BMT-A.19	Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm <sup>2</sup> of Aerocon / Airolite or equivalent products (landing cost - including cost of conveyance, loading & unloading) 600 x 200 x 150 mm	Each	104.00
20	BMT-A.20	Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm <sup>2</sup> of Aerocon / Airolite or equivalent products (landing cost - including cost of conveyance, loading & unloading) 600 x 200 x 200 mm	Each	138.00
21	BMT-A.21	Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm <sup>2</sup> of Aerocon / Airolite or equivalent products (landing cost - including cost of conveyance, loading & unloading) 600 x 200 x 230 mm	Each	160.00
<b>B</b>		<b>NATURAL FLOORING STONES (ex-quarry price - excluding cost of conveyance, loading &amp; unloading)</b>		
22	BMT-B.01	Kadapa slab 40 mm thick and size not less than 0.457 M x 0.457 M	1 Sqm	75.00
23	BMT-B.02	Kadapa slab 50 mm thick and size not less than 0.457 M x 0.457 M	1 Sqm	86.00
24	BMT-B.03	Shahabad /Tandur Rough Stone slabs of minimum of 25 mm thick	10 Sqm	750.00
25	BMT-B.04	Shahabad / Tandur Rough Stone slabs of minimum 40 mm thick	10 Sqm	968.00
26	BMT-B.05	Polished Shahabad/ Tandur stone slabs of 15 to 18 mm thick (0.457x0.304) or any other size as specified	10 Sqm	1291.00
27	BMT-B.06	Polished black Kadapa slabs minimum of 15 mm thick (0.457x0.457M)	10 Sqm	1076.00
28	BMT-B.07	Polished Bethamcherla pure (marble type) white stone minimum 25 mm thick (0.254Mx0.254M)	10 Sqm	3012.80
29	BMT-B.08	Polished Bethamcherla coloured stone minimum 25 mm thick (0.254M x0.254M)	10 Sqm	2152.00
30	BMT-B.09	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M)	1Sqm	2300.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		other than black/ premium colours		
31	BMT-B.10	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) other than black and regular colours	1Sqm	<b>2000.00</b>
32	BMT-B.11	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) black	1Sqm	<b>1700.00</b>
33	BMT-B.12	Polished Marble slabs of any variety (Such as Dongari/ Adanga/ Marodh/ Rajganpur etc) 16 mm to 20 mm (average) thick (size 0.457 M x 0.457 M) / (0.6M x 0.6M)	1 sqm	<b>570.00</b>
34	BMT-B.13	Polished Marble slabs of any variety (Such as Dongari/ Adanga/ Marodh/ Rajganpur etc) polished 16 mm to 20 mm (average) thick 0.305 M x 0.305 M	1 sqm	<b>460.00</b>
35	BMT-B.14	Polished Marble slabs of any variety and gang saw cut (Such as Dongari/ Adanga/ Marodh/ Rajganpur etc) 16 mm to 20 mm (average) thick ( 0.610 M width of any length)	1 sqm	<b>780.00</b>
36	BMT-B.15	Polished Marble Tiles 8 mm thick of all sizes and varieties	1 sqm	<b>371.00</b>
37	BMT-B.16	Granite stone tiles 8 mm thick (mirror polished of all shades)	1 sqm	<b>780.00</b>
<b>C</b>		<b>WALL &amp; FLOOR TILES (landing cost - including cost of conveyance, loading &amp; unloading)</b>		
38	BMT-C.01	Ceramic tiles 7.3mm thick 1st quality of all shades (as per manufacture specification)	1 sqm	<b>374.00</b>
39	BMT-C.02	Edge Cut - Rectified Ceramic tiles 8 mm thick 1st quality of all shades	1 sqm	<b>450.00</b>
40	BMT-C.03	Decorated white background glazed tiles 200 mm x 152 mm	1 sqm	<b>459.00</b>
41	BMT-C.04	Decorated coloured background glazed tiles 200mm x 300 mm	1 sqm	<b>512.00</b>
42	BMT-C.05	Fantasy Glazed Tiles size 200mm x152 mm	1 sqm	<b>485.00</b>
43	BMT-C.06	White glazed Tiles of any size 1st quality	1 sqm	<b>280.00</b>
44	BMT-C.07	Glazed coloured Tiles of any size 1st Quality	1 sqm	<b>332.00</b>
45	BMT-C.08	Precast Terrazzo Tiles 20 mm thick ( Medium shade)	1 sqm	<b>238.00</b>
46	BMT-C.09	Precast Terrazzo Tiles 20 mm thick (dark shade)	1 Sqm	<b>231.00</b>
47	BMT-C.10	Supply & Fixing precast Terrazzo Tiles Marbleite in white & colour vains 20 mm thick	1 Sqm	<b>250.00</b>
48	BMT-C.11	Supply & Fixing precast Terrazzo Tiles Marbleite in white tiles 20 mm thick	1 Sqm	<b>194.00</b>
49	BMT-C.12	Supply & fixing Terrazzo tiles 20 mm thick grey tiles	1 Sqm	<b>112.00</b>
50	BMT-C.13	Vitrified polished floor tiles of size not less than 900 x 900 x 10 mm thickness	1 Sqm	<b>1024.00</b>
51	BMT-C.14	Vitrified polished floor tiles of size not less than 795 x 795 mm x 8 mm thickness	1 Sqm	<b>903.00</b>
52	BMT-C.15	Vitrified polished floor tiles of size not less than 598 x 598 mm x 8 mm thickness glossy finish permium colours	1 Sqm	<b>843.00</b>
53	BMT-C.16	Vitrified polished floor tiles of size not less than 598 x 598 mm x 8 mm thickness regular finish and normal colours	1 Sqm	<b>723.00</b>
54	BMT-C.17	Vitrified polished floor tiles of size not less than 400 x 400 x7mm thickness normal colours	1 Sqm	<b>542.00</b>
55	BMT-C.18	Glass Mosaic Tiles Group 1 series or equivalent quality 20x20x4 mm thick	1 Sqm	<b>1144.00</b>
56	BMT-C.19	Providing of Vitrified/ Ceramic Tile flooring for required areas using different sizes, approved colour and make fixing with LATICRETE ADHESIVE as Specified thickness with out joint including all taxes excluding cost of tiles 600 x 600 mm and above sizes tiles.	1 Sqm	<b>124.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
57	BMT-C.20	Providing of Vitrified/ Ceramic Tile flooring for required areas using different sizes, approved colour and make fixing with LATICRETE ADHESIVE as Specified thickness with out joint including all taxes excluding cost of tiles 400 x 400 mm and below size tiles	1 Sqm	99.50
58	BMT-C.21	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing specified colour cement based polymer grout of LATICRETE mixed with Laticrete 1776 grout admix plus or equivalent including all taxes excluding cost of tiles: 600 x 600 mm tiles with 3 mm joints width	1 Sqm	141.00
59	BMT-C.22	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing specified colour cement based polymer grout of LATICRETE mixed with Laticrete 1776 grout admix plus or equivalent including all taxes excluding cost of tiles:600 x 600 mm tiles with 4 mm joints width	1 Sqm	148.00
60	BMT-C.23	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing specified colour cement based polymer grout of LATICRETE mixed with Laticrete 1776 grout admix plus or equivalent including all taxes excluding cost of tiles:400 x 400 mm tiles with 3 mm joints width	1 Sqm	142.00
61	BMT-C.24	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing specified colour cement based polymer grout of LATICRETE mixed with Laticrete 1776 grout admix plus or equivalent including all taxes excluding cost of tiles:400 x 400 mm tiles with 4 mm joints width	1 Sqm	150.50
62	BMT-C.25	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing specified colour cement based polymer grout of LATICRETE mixed with Laticrete 1776 grout admix plus or equivalent including all taxes excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width	1 Sqm	148.00
63	BMT-C.26	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing specified colour cement based polymer grout of LATICRETE mixed with Laticrete 1776 grout admix plus or equivalent including all taxes excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width	1 Sqm	160.50
64	BMT-C.27	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing specified colour cement based polymer grout of LATICRETE mixed with Laticrete 1776 grout admix plus or equivalent including all taxes excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width	1 Sqm	155.00
65	BMT-C.28	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing specified colour cement based polymer grout of LATICRETE mixed with Laticrete 1776 grout admix plus or equivalent including all taxes excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width	1 Sqm	169.50
66	BMT-C.29	Providing Glass Mosaic tiles using specified pattern fixing with LATICRETE 252 Ag Silver white of equivalent and Approved colour of joint filling with LATICRETE Cement grouting with admix of LATICRETE 1776. Including all taxes excluding cost of tiles	1 Sqm	246.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
67	BMT-C.30	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing with specified colour Latapoxy grout of LATICRETE SP-100 or equivalent excluding cost of tiles:600 x 600 mm tiles with 4 mm joints width	1 Sqm	<b>286.00</b>
68	BMT-C.31	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing with specified colour Latapoxy grout of LATICRETE SP-100 or equivalent excluding cost of tiles:400 x 400 mm tiles with 3 mm joints width	1 Sqm	<b>235.00</b>
69	BMT-C.32	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing with specified colour Latapoxy grout of LATICRETE SP-100 or equivalent excluding cost of tiles:400 x 400 mm tiles with 4 mm joints width	1 Sqm	<b>281.00</b>
70	BMT-C.33	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing with specified colour Latapoxy grout of LATICRETE SP-100 or equivalent excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width	1 Sqm	<b>281.00</b>
71	BMT-C.34	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing with specified colour Latapoxy grout of LATICRETE SP-100 or equivalent excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width	1 Sqm	<b>341.00</b>
72	BMT-C.35	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing with specified colour Latapoxy grout of LATICRETE SP-100 or equivalent excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width	1 Sqm	<b>289.00</b>
73	BMT-C.36	Providing tile flooring with LATICRETE ADHESIVE of specified thick and pointing with specified colour Latapoxy grout of LATICRETE SP-100 or equivalent excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width	1 Sqm	<b>351.00</b>
74	BMT-C.37	Providing Glass Mosaic tiles using specified pattern fixing with LATICRETE 252 Ag Silver white of equivalent and Approved colour of joint filling with LATICRETE Cement grouting with admix of LATICRETE 1776. Including all taxes excluding cost of tiles	1 Sqm	<b>236.50</b>
75	BMT-C.38	Providing Glass Mosaic tiles using specified pattern fixing with LATICRETE 252 Ag Silver white of equivalent and Approved colour of joint filling with LATICRETE LATAPOXY SP-100 or equivalent including all taxes excluding cost of tiles	1 Sqm	<b>1054.00</b>
76	BMT-C.39	Supply of wall tiles of Category - I of ULTRA or equivalent brand of any colour, design like Camroon, Sphinx, Opus with 10 mm thickness including all taxes	1 Sqm	<b>350.00</b>
77	BMT-C.40	Supply of wall tiles of Category - II of ULTRA or equivalent brand of any colour, design like Arrow, Bedrock, Eden, Gladstone, Mastro, Monarch, Plato, Santo, Ultra Brique, Rhine Stone with 10 mm thickness including all taxes	1 Sqm	<b>400.00</b>
78	BMT-C.41	Supply of wall tiles of Category - III of ULTRA or equivalent brand of any colour, design like Cleopatra, Simbel, Sixten, Spectra, Elmo, Elit with 10 mm thickness including all taxes	1 Sqm	<b>450.00</b>
79	BMT-C.42	Supply of sphinx or equivalent tiles for floor, wall / exterior: Regular series: floor : Veecumcy emerald, rainbow, plain tile thickness: 20 mm (various sizes)	1 Sqm	<b>360.00</b>
80	BMT-C.43	Supply of sphinx or equivalent tiles : Special economy series: floor & wall	1 Sqm	<b>460.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
81	BMT-C.44	Sphinx - Elegance series: Floor tiles of thickness:15 mm and Wall tiles of thickness: 9 mm -15mm - Plain design tiles	1 Sqm	517.00
82	BMT-C.45	Sphinx - Elegance series: Floor tiles of thickness : 15mm and Wall tiles of thickness: 9 mm - 15 mm - Textured design tiles	1 Sqm	555.00
83	BMT-C.46	Sphinx - Elegance series: Floor tiles of thickness :15 mm and Wall tiles of thickness: 9 mm - 15 mm - Premium Plain design tiles	1 Sqm	747.00
84	BMT-C.47	Sphinx - Elegance series: Floor tiles of thickness : 15 mm and Wall tiles of thickness: 9 mm - 15 mm - Premium Textured design tiles	1 Sqm	777.00
85	BMT-C.48	Sphinx - Viceroy series: Floor tiles of thickness:15 mm and Wall tiles of thickness: 9 mm -15mm - Plain design tiles	1 Sqm	975.00
86	BMT-C.49	Sphinx - Viceroy series: Floor tiles of thickness : 15mm and Wall tiles of thickness: 9 mm - 15 mm - Textured design tiles	1 Sqm	999.00
87	BMT-C.50	Vitrified polished floor tiles of size not less than 1000 x 1000 x 10 mm thickness high glossy finish/ premium colours special series of make RAK ceramics/ Jhonson & Jhonson/ Kajaria/ Nitco / Marbonite	1 Sqm	1500.00
88	BMT-C.51	Vitrified polished floor tiles of size not less than 795 x 795 mm x 8 mm thickness high glossy finish/ premium colours special series of make RAK ceramics/ Jhonson & Jhonson/ Kajaria/ Nitco / Marbonite	1 Sqm	1325.00
89	BMT-C.52	Vitrified polished floor tiles of size not less than 598 x 598 mm x 8 mm thickness glossy finish permium colours high glossy finish/ premium colours special series of make RAK ceramics/ Jhonson & Jhonson/ Kajaria/ Nitco /Marbonite	1 Sqm	1084.00
<b>D</b>		<b>PAVING &amp; INTERLOCKING TILES (landing cost - including cost of conveyance, loading &amp; unloading)</b>		
90	BMT-D.01	Chequered Terrazzo tiles of 22 mm thick (Medium shade) 0.254 M x 0.406 M	1 sqm	229.00
91	BMT-D.02	Chequered Terrazzo tiles of 22 mm thick (Dark shade) 0.254 M x 0.406 M	1 sqm	209.00
92	BMT-D.03	Chequered Terrazzo tiles of 30 mm thick ( Light shade) 0.305 M x 0.305 M	1 sqm	209.00
93	BMT-D.04	Chequered Terrazzo tiles of 30 mm thick (Dark shade) 0.305 M x 0.305 M	1 sqm	222.00
94	BMT-D.05	Chequered Terrazzo tiles of 30 mm thick ( medium shade) 0.305 M x 0.305 M	1 sqm	196.00
95	BMT-D.06	Supply, laying & fixing of 60 mm thick cement Mosaic reflective concrete pavers of SUPER DECORATIVE/ ADITYA DESIGNER / MAHA Bbhima or Tricon tiles or any ISO 9001:2000 certified company make of grade M-40 and above including labour charges, loading & unloading, laying to desired lines and levels complete excluding cost of cement, sand, water, electricity etc	1 Sqm.	531.00
96	BMT-D.07	Supply, laying & fixing of 30 mm thick cement Mosaic reflective concrete pavers from "Super decorative floorings" make of grade M-40 and above including labour charges, loading & unloading, laying to desired lines and levels complete excluding cost of cement, sand, water, electricity etc	1 Sqm.	549.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
97	BMT-D.08	Supply of PHOENIX or MAHA Tiles or equivalent high strength Cement Concrete Designer Tiles of 30 mm thickness of M- 40 Grade of which top 12 mm thick shall be for colour pigmentation with imported colours and white cement to get required reflective glazing inclusive of all taxes	1 Sqm	484.00
98	BMT-D.09	Supply of PHOENIX or equivalent high strength Cement Concrete interlocking Designer Pavers of 60 mm thickness of M- 40 Grade of which top 12 mm thick shall be for colour pigmentation with imported colours and white cement to get required reflective glazing inclusive of all taxes	1 Sqm	533.00
99	BMT-D.10	Supply of PHOENIX or equivalent high strength Cement Concrete interlocking Designer Pavers of 80 mm thickness of M- 40 Grade of which top 12 mm thick shall be for colour pigmentation with imported colours and white cement to get required reflective glazing inclusive of all taxes	1 Sqm	606.00
100	BMT-D.11	Supply of PHOENIX or equivalent high strength Cement Concrete interlocking Regular Pavers of 60 mm thickness of M- 40 Grade of which top 12 mm thick shall be for colour pigmentation with imported colours and white cement to get required reflective glazing inclusive of all taxes	1 Sqm	291.00
101	BMT-D.12	Supply of PHOENIX or equivalent high strength Cement Concrete interlocking Regular Pavers of 80 mm thickness of M- 40 Grade of which top 12 mm thick shall be for colour pigmentation with imported colours and white cement to get required reflective glazing inclusive of all taxes	1 Sqm	315.00
102	BMT-D.13	Supply of pre-polished ready to lay floor tiles of ULTRA or equivalent brand of any colour, design and any size with 22 mm thickness including all taxes with compressive strength not less than 450 Kg/cm <sup>2</sup> conforming to IS 516	1 Sqm	485.00
103	BMT-D.14	Supply of Step tiles of Category - I of ULTRA or MAHA Sarovaram or equivalent brand of any colour, design like emperor, Dynasty with 25 mm thickness including all taxes	1 Sqm	555.00
104	BMT-D.15	Supply of Step tiles of Category - II of ULTRA or equivalent brand of any colour, design like Stefano, Brigadia, Ventura with 25 mm thickness including all taxes	1 Sqm	619.00
105	BMT-D.16	Supply of sphinx or equivalent tiles : Pavers: king's path, zig zag, dumb bells, I-block - thickness: 60 mm (various sizes)	1 Sqm	400.00
106	BMT-D.17	Supply of sphinx or equivalent tiles : Pavers: king's path, zig zag, dumb bells, I-block - thickness: 80 mm (various sizes)	1 Sqm	440.00
107	BMT-D.18	Supply of sphinx or equivalent tiles : Pavers: king's path, zig zag, dumb bells, I-block - thickness: 100 mm (various sizes)	1 Sqm	480.00
E		<b>TIMBER &amp; ROOFING MATERIALS (landing cost - including cost of conveyance, loading &amp; unloading)</b>		
		<b>Note: Before proposing the Teak Wood Items, the estimating authorities shall obtain prior approval from the competent authority</b>		
108	BMT-E.01	Medium Teak Wood scantlings: up to 2.0 M	1 cum	54738.00
109	BMT-E.02	Medium Teak Wood scantlings: 2.0 to 3.0 M	1 cum	58270.00
110	BMT-E.03	Medium Teak Wood scantlings: above 3.0 M	1 cum	61801.00
111	BMT-E.04	Medium Teak Wood Plancks: any thickness	1 cum	102414.00
112	BMT-E.05	Best Teak Wood scantlings: up to 2.0 M	1 cum	77693.00
113	BMT-E.06	Best Teak Wood scantlings: 2.0 to 3.0 M	1 cum	81225.00



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
114	BMT-E.07	Best Teak Wood scantlings: above 3.0 M	1 cum	84756.00
115	BMT-E.08	Best Teak Wood Plancks: any thickness	1 cum	116540.00
116	BMT-E.09	Burma Teak Wood scantlings: up to 2.0 M	1 cum	123603.00
117	BMT-E.10	Burma Teak Wood scantlings: 2.0 to 3.0 M	1 cum	127134.00
118	BMT-E.11	Burma Teak Wood scantlings: above 3.0 M	1 cum	130666.00
119	BMT-E.12	Burma Teak Wood Plancks: any thickness	1 cum	144793.00
120	BMT-E.13	Assam Teak Wood scantlings: any length	1 cum	35315.00
121	BMT-E.14	Assam Teak Wood Plancks: any thickness	1 cum	51207.00
122	BMT-E.15	Sal Wood scantlings: any length	1 cum	38847.00
123	BMT-E.16	Sal Wood Plancks: any thickness	1 cum	49441.00
124	BMT-E.17	A.C sheet Corrugated 6 mm thick	1 sqm	188.00
125	BMT-E.18	A.C sheet plain 4 m thick	1 sqm	135.00
126	BMT-E.19	A.C sheet plain 6 m thick	1 sqm	140.00
127	BMT-E.20	Plain or Corrugated Galvanized iron sheets as per IS 277 (0.1 mm to 0.8 mm thickness)	1 kg	50.00
<b>F</b>		<b>MILD, GALVANIZED &amp; STAINLESS STEEL (landing cost - including cost of conveyance, loading &amp; unloading)</b>		
128	BMT-F.01	MS. Hallow door frames manufactured by cold roll formed process steel sheet 1.25mm thick bright CRCA conforming to IS 4351 - 1976 with Hinges tower Bolts etc.	1 Rm	233.00
129	BMT-F.02	Country Nails	1 Kg	45.00
130	BMT-F.03	Wire Nails	1 Kg	45.00
131	BMT-F.04	Mild Steel Tubes & pipes of all diameters as per IS-1161	1 Kg	45.00
132	BMT-F.05	Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters - 202 Grade	1 Kg	140.00
133	BMT-F.06	Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters for - 304 Grade	1 Kg	210.00
134	BMT-F.07	Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type A - IOWA Type Designation as per standard	1 Kg	59.00
135	BMT-F.08	Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type B - Glidden Type Designation as per standard	1 Kg	59.00
136	BMT-F.09	Expanded metal sheets as per IS-412-1962- Light Weight-25 mm(SWM)x75 mm (LWM)3.25 mm Wide and 1.25 mm thick	1 Sqm	104.00
137	BMT-F.10	Expanded metal sheets as per IS-412-1962- Light Weight-20 mm(SWM)x60 mm(LWM) 2.50 mm Wide and 1.25 mm thick	1 Sqm	104.00
138	BMT-F.11	Expanded metal sheets as per IS-412-1962- Light Weight-20 mm(SWM)x50 mm(LWM) 2.50 mm Wide and 1.25 mm thick	1 Sqm	104.00
139	BMT-F.12	Expanded metal sheets as per IS-412-1962- Medium Weight-25 mm(SWM)x75 mm(LWM) 3.25 mm Wide and 1.60 mm thick	1 Sqm	143.00
140	BMT-F.13	Expanded metal sheets as per IS-412-1962- Medium Weight-20 mm(SWM)x60 mm(LWM) 2.50 mm Wide and 1.60 mm thick	1 Sqm	143.00
141	BMT-F.14	Expanded metal sheets as per IS-412-1962- Medium Weight-20 mm(SWM)x50 mm(LWM) 2.50 mm Wide and 1.60 mm thick	1 Sqm	143.00
142	BMT-F.15	Expanded metal sheets as per IS-412-1962- Heavy Weight-25 mm(SWM)x75 mm(LWM) 3.25 mm Wide and 2.24 mm thick	1 Sqm	163.00
143	BMT-F.16	Expanded metal sheets as per IS-412-1962- Heavy Weight-20 mm(SWM)x60 mm(LWM) 2.50 mm Wide and 2.24 mm thick	1 Sqm	163.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
144	BMT-F.17	Expanded metal sheets as per IS-412-1962- Heavy Weight-20 mm(SWM)x50 mm(LWM) 2.50 mm Wide and 2.24 mm thick	1 Sqm	163.00
145	BMT-F.18	GI (M.S) fly proof wire mesh 16 x 20 gauge	1 Sqm	155.00
146	BMT-F.19	SS fly proof mesh	1 Sqm	376.00
147	BMT-F.20	Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979: 2"x2" (50 mm x 50 mm) - 8 Gauge	1 Sqm	340.00
148	BMT-F.21	Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979: 2½"x2½" (63 mm x 63 mm) - 8 Gauge	1 Sqm	270.00
149	BMT-F.22	Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979: 3"x3" (76 mm x 76 mm) - 8 Gauge	1 Sqm	230.00
150	BMT-F.23	Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979: 4"x4" (102 mm x 102 mm) - 8 Gauge	1 Sqm	170.00
151	BMT-F.24	Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979 - PVC Coated - 2"x2" (50 mm x 50 mm) - 8 Gauge	1 Sqm	410.00
152	BMT-F.25	Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979 - PVC Coated - 2½"x2½" (63 mm x 63 mm) - 8 Gauge	1 Sqm	340.00
153	BMT-F.26	Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979 - PVC Coated - 3"x3" (76 mm x 76 mm) - 8 Gauge	1 Sqm	280.00
154	BMT-F.27	Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979 - PVC Coated - 4"x4" (102 mm x 102 mm) - 8 Gauge	1 Sqm	220.00
155	BMT-F.28	Rabbit wire mesh (chicken mesh)	1 Sqm	12.00
156	BMT-F.29	Supply & fixing of Rolling shutter made of 80 x 1.25 mm machine rolled CRCA laths, interlocked together through their entire length and jointed together at the ends by end-locks, mounted on specially designed pipe shaft of 50mm dia nominal bore MS B class pipe with brackets, plates, guide channels, stoppers, bottom locking plates and arrangements for inside & outside locking with push-pull operations including cost of hood cover and springs complete, painted with one coat of approved steel primer, locks, ball bearings, all accessories etc complete for finished item of work as per special spn: 1108	1 Sqm	2000.00
157	BMT-F.30	Supplying & fixing collapsible steel shutters with vertical, double channel of 20 x10x2 mm of 100 mm centre ,Bracers with flat iron 40x40x6 mm with 38 mm dia steel pulleys, the top, bottom and side vertical frames of the collapsible gate with 65x65mmx8mm MS Angle and middle guide rail at site height with 65mmx8mm MS flat for the pulleys to guide and fixed with necessary hold fasts, bolts, nuts, rivets, locking arrangements, stoppers, handles, all accessories all fixtures and painted with one coat of approved steel primer etc., complete for finished item of work as per special spn 1105	1 Sqm	1750.00
<b>G</b>		<b>FIXTURES FOR DOORS &amp; WINDOWS</b>		
158	BMT-G.01	Brass Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	76.00
159	BMT-G.02	Brass Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	112.00
160	BMT-G.03	Brass Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	150.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
161	BMT-G.04	Brass Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	186.00
162	BMT-G.05	Brass Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	230.00
163	BMT-G.06	Aluminium Tower Bolt-10 mm Bolt (IS:204) 75 mm Long	Each	47.00
164	BMT-G.07	Aluminium Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	57.00
165	BMT-G.08	Aluminium Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	69.00
166	BMT-G.09	Aluminium Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	86.00
167	BMT-G.10	Aluminium Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	103.00
168	BMT-G.11	Aluminium Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	120.00
169	BMT-G.12	Aluminium Tower Bolt-10 mm Bolt (IS:204) 350 mm Long	Each	324.00
170	BMT-G.13	Aluminium Tower Bolt-10 mm Bolt (IS:204) 450 mm Long	Each	410.00
171	BMT-G.14	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	18.00
172	BMT-G.15	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	27.00
173	BMT-G.16	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	38.00
174	BMT-G.17	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	51.00
175	BMT-G.18	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	63.00
176	BMT-G.19	Brass Butt hinges (IS:205)- 75 mm Long	Each	32.00
177	BMT-G.20	Brass Butt hinges (IS:205)- 100 mm Long	Each	104.00
178	BMT-G.21	Brass Butt hinges (IS:205)- 125 mm Long	Each	126.00
179	BMT-G.22	Brass Butt hinges (IS:205)- 150 mm Long	Each	166.00
180	BMT-G.23	Aluminium Butt hinges (IS:205)- 75 mm Long	Each	68.00
181	BMT-G.24	Aluminium Butt hinges (IS:205)- 100 mm Long	Each	81.00
182	BMT-G.25	Aluminium Butt hinges (IS:205)- 125 mm Long	Each	96.00
183	BMT-G.26	Aluminium Butt hinges (IS:205)- 150 mm Long	Each	100.00
184	BMT-G.27	MS-Powder Coated Butt hinges (IS:205)- 75 mm Long	Each	8.00
185	BMT-G.28	MS-Powder Coated Butt hinges (IS:205)- 100 mm Long	Each	16.00
186	BMT-G.29	MS-Powder Coated Butt hinges (IS:205)- 125 mm Long	Each	23.00
187	BMT-G.30	MS-Powder Coated Butt hinges (IS:205)- 150 mm Long	Each	31.00
188	BMT-G.31	Aluminium Door Handles (IS:208) 75 mm Long	Each	45.00
189	BMT-G.32	Aluminium Door Handles (IS:208) 100 mm Long	Each	51.00
190	BMT-G.33	Aluminium Door Handles (IS:208) 125 mm Long	Each	76.00
191	BMT-G.34	Aluminium Door Handles (IS:208) 150 mm Long	Each	85.00
192	BMT-G.35	MS-Powder Coated Door Handles (IS:208) 125 mm Long	Each	23.00
193	BMT-G.36	MS-Powder Coated Door Handles (IS:208) 150 mm Long	Each	34.00
194	BMT-G.37	Brass Aldrop (IS:2681) 300 mm long	Each	675.00
195	BMT-G.38	Brass Aldrop (IS:2681) 350 mm long	Each	1299.00
196	BMT-G.39	Brass Aldrop (IS:2681) 450 mm long	Each	1850.00
197	BMT-G.40	Aluminium Aldrop (IS:2681) 200 mm long	Each	200.00
198	BMT-G.41	Aluminium Aldrop (IS:2681) 250 mm long	Each	238.00
199	BMT-G.42	Aluminium Aldrop (IS:2681) 300 mm long	Each	258.00
200	BMT-G.43	MS-Powder Coated Aldrop (IS:2681) 200 mm long	Each	80.00
201	BMT-G.44	MS-Powder Coated Aldrop (IS:2681) 250 mm long	Each	104.00
202	BMT-G.45	MS-Powder Coated Aldrop (IS:2681) 300 mm long	Each	124.00
203	BMT-G.46	Brass Door Stoppers	Each	135.00
204	BMT-G.47	Brass Windows Stay	Each	154.00
205	BMT-G.48	Aluminium Flat Latches: 200 mm long	Each	96.00
206	BMT-G.49	Aluminium Flat Latches: 250 mm long	Each	109.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
207	BMT-G.50	Aluminium Flat Latches: 300 mm long	Each	115.00
208	BMT-G.51	MS-Powder Coated Flat Latches: 250 mm long	Each	39.00
209	BMT-G.52	MS-Powder Coated Flat Latches: 300 mm long	Each	50.00
210	BMT-G.53	MS-Powder Coated - Door Stoppers	Each	34.00
211	BMT-G.54	Supply & fixing drapery rods (25.4 mm) 1" x 21 G Powder coated with PVC rings	RM	88.00
212	BMT-G.55	Supply & fixing drapery bracket - brass powder coated	pair	309.00
213	BMT-G.56	Deluxe window stay Aluminium	Each	88.00
214	BMT-G.57	Heavy duty Aluminium Door stopper	Each	38.00
215	BMT-G.58	Brass fancy handles 150 mm	Each	230.00
216	BMT-G.59	Brass fancy handles 200 mm	Each	312.00
217	BMT-G.60	Brass fancy handles 250 mm	Each	562.00
218	BMT-G.61	Brass fancy handles 300 mm	Each	718.00
219	BMT-G.62	Brass fancy handles 450 mm	Each	1122.00
220	BMT-G.63	Door closer automatic hyper brand IS 3564	Each	766.00
221	BMT-G.64	Double action brass plate floor spring Hyper brand IS 6315	Each	969.00
222	BMT-G.65	Providing and fixing Floor spring 1 <sup>st</sup> Quality for Aluminium door	Each	2422.00
223	BMT-G.66	Heavy duty mortise lock 6/7 levers with PC or CP handles complete set	Each	474.00
224	BMT-G.67	Heavy duty mortise lock 6/7 levers with brass heavy handles	Each	1651.00
225	BMT-G.68	Brass latch heavy 300 mm	Each	394.00
226	BMT-G.69	Brass latch heavy 350 mm	Each	453.00
227	BMT-G.70	Brass latch heavy 450 mm	Each	598.00
228	BMT-G.71	Friction stay hinges for windows	Each	74.00
229	BMT-G.72	Keyless lockset for toilet with CP or PC handles (complete set)	Each	213.00
230	BMT-G.73	Keyless lock set for toilet with brass handles	Each	565.00
231	BMT-G.74	Providing and fixing IS: 3564 marked Aluminium Extruded Section Body Tubular Type Universal Hydraulic Door Closer with double speed adjustment, Hardwyn make (MYTEL) with necessary accessories and screws etc. complete	Each	710.00
232	BMT-G.75	Providing and fixing IS: 3564 marked Aluminium Extruded Section Body Tubular Type Universal Hydraulic Door Closer with double speed adjustment, Hardwyn make (EDDY) with necessary accessories and screws etc. complete	Each	820.00
233	BMT-G.76	Providing and fixing IS: 3564 marked Aluminium Extruded Section Body Tubular Type Universal Hydraulic Door Closer with double speed adjustment, Hardwyn make (GAZEL) with necessary accessories and screws etc. complete	Each	860.00
234	BMT-G.77	Providing and fixing double action hydraulic floor spring of approved brand manufacture IS:6315 marked, Hardwyn make M-3000 for doors including cost of cutting floors as required, embedding in floors and S.S.cover plates with brass pivot and single piece M.S. Sheet outer box with slide plate etc. complete (weight capacity up to 130 kgs)	Each	2300.00
235	BMT-G.78	Providing and fixing double action hydraulic floor spring of approved brand manufacture Hardwyn make M-2000 for doors including cost of cutting floors as required, embedding in floors and S.S.cover plates with brass pivot and single piece M.S. Sheet outer box with slide plate etc. complete (weight capacity up to 80 kgs)	Each	1800.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
236	BMT-G.79	Providing of Floor Spring IS: 6315 sleek in size Model HE-8400 with the S.S. Cover plates of Length 320mm x Breadth 130mm size along with the Top Patch (HE-20), Bottom Patch (HE-10), Door Lock (HE-50) and Pivot (502) Floor spring HE-8400 with Double Cylinder.	Each	8000.00
<b>H</b>		<b>WATER PROOFING CHEMICALS &amp; ADMIXTURES</b>		
		Literature for usage / application of construction / water proofing materials, epoxies etc, may be obtained from manufacturers.		
237	BMT-H.01	Impervious Water Proofing compound	1 Kg	24.00
238	BMT-H.02	Providing Tar felting roof repairs with Zori-felt BT or equivalent duly applying one coat of appropriate grade of bitumen in hot condition @ 1.2 Kg/1Sqm of roof area, fixing tar felt (Manufactures to IS 1322/1972 specification), applying second coat of appropriate grade of hot bitumen at 1.20 Kg/1Sqm of roof area and spreading course aggregate (sand) at 0.063 cum per 1 Sqm of roof area finished item	1 Sqm	172.00
239	BMT-H.03	Providing waterproofing treatment by supplying and applying ROOFSHIELD-1500 OR ZORISHIELD-1500 equivalent (1.50 mm thickness, 2.25Kg per Sq. Mt and 20 X1 Mtr. roll with a centre core of 90 micron thickness HMHDPE film) Water Proofing Membrane. A) apply one coat of Bituminous Emulsion, first coat of bituminous grade 85/25, fix "ROOFSHIELD-1500 OR equivalent " water proofing membrane, apply second coat of Bitumen grade 90/15 after sealing all the joints and abutments with a Gas torch and apply one coat of BITUMINOUS ALUMINIUM PAINT for heat resistance for finished item	1 Sqm.	285.00
240	BMT-H.04	Providing chemical waterproof treatment with Brick bat coba & chemical cement mortars to exposed RCC roof slab surfaces to required slopes mixed with Zoriproof (100 mL Per Bag of 50 Kgs Cement) waterproofing chemical compound, laid over roof slab and brickbat coba treatment in chemical cement mortar 100 mm thick at the centre and 80 mm thick at the edges finished smooth with a floating coat of chemical mixed cement mortar as per the manufacturer specification including cost and conveyance of all materials like sand, chemical– Zoriproof (100 mL Per Bag of 50 Kgs Cement) waterproofing compound, water etc., to site, including seigniorage charges and operational, incidental, and labour charges for mixing mortar, laying, lift charges, rendering smooth curing including rounding off junctions of wall and slab etc., complete for finished item of work (with a guarantee of 10 years)	1 Sqm	475.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
241	BMT-H.05	Providing chemical waterproof treatment with Brick bat coba & chemical cement mortars to exposed RCC roof slab surfaces to required slopes mixed with – Zoriproof (100 ML Per Bag of 50 Kgs Cement) waterproofing chemical compound, laid over roof slab and brickbat coba treatment in chemical cement mortar 80 mm thick at the centre and 60 mm thick at the edges finished smooth with a floating coat of chemical mixed cement mortar as per the manufacturer specification including cost and conveyance of all materials like sand, chemical –Zoriproof (100 mL Per Bag of 50 Kgs Cement) waterproofing compound, water etc., to site, including seigniorage charges and operational, incidental, and labour charges for mixing mortar, laying, lift charges, rendering smooth curing including rounding off junctions of wall and slab etc., complete for finished item of work (with a guarantee of 10 years)	1 Sqm	400.00
242	BMT-H.06	Construction Chemicals, Epoxy & Admixtures - Chloride free water reducing and plasticizing admixture : Conflow SNP1 Zoriplast (Dosage : 20 ml Per Bag of 50 Kgs Cement) or equivalent	1 litre	135.00
243	BMT-H.07	High strength Acrylic blended plasticizer and Water reducing agent - Conflow SNP20 or Zoriplast HS (Dosage : 400 ml to 500 ml Per Bag of 50 Kgs Cement)	1 litre	150.00
244	BMT-H.08	Quick setting, rapid hardening and water proofing compound - : Conflow SNPA or ZorirapidR or Equivalent (Dosage : 1 to 3 Ltrs per bag of 50 Kgs Cement depending on the setting time required).	1 litre	60.00
245	BMT-H.09	Chloride free super plasticizer for high range water reducing admixture : Conflow SNS I or Zoriplast SP 350 (Dosage: 200 ml to 500 ml per bag of 50 Kgs Cement) or equivalent.	Litre	75.00
246	BMT-H.10	Chloride free super plasticizer for high early strength and high range water reducing admixture: Conflow SNS 2 or Zoriplast SP 450 (Dosage: 300 ml to 400 ml per bag of 50 Kgs Cement) or equivalent.	Litre	75.00
247	BMT-H.11	Set accelerator and plasticizer: Conflow SNA or Zoriset or Equivalent (Dosage:1 Kg to 3 Kgs per bag of 50 Kgs Cement depending on the setting time required )	Kgs	70.00
248	BMT-H.12	Chloride free High power slump retaining and retarding plasticizer: Conflow SNR or Zoriplast RT5 (Dosage: 15ml to 50 ml per bag of 50 Kgs Cement) or Equivalent.	Litre	140.00
249	BMT-H.13	Air Entraining Agent: Conflow SNE or Zoriplast AEA (Dosage : 15ml to 20 ml per bag of 50 Kgs Cement) or Equivalent (Dosage : 15ml per Bag of 50 Kgs Cement)	Litre	135.00
250	BMT-H.14	Chloride free super plasticizer, high range water reducing and retarding admixture - Conflow SNS-3 SPL or Zoriplast SPR (Dosage : 300 ml to 400 ml per bag of 50 Kgs Cement) or equivalent	Litre	70.00
251	BMT-H.15	Retarding super plasticizer: Conflow SNS-3 or Accelerating Plasticizers: Zoriplast SRT 5 (Dosage: 500 ml to 1 Ltr per bag of 50 Kgs Cement) or Equivalent.	Litre	72.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
252	BMT-H.16	Waterproof Cement Mortar Plasticizer: Morflow SN 1 or Zoriplast MP (Dosage: 100 ml per bag of 50 Kgs Cement) or Equivalent.	Litre	160.00
253	BMT-H.17	Integral Cement Waterproofing Compound : Conflow SNW1 or Zoriproof (Liquid Form) (Dosage : 100 ml Per Bag of 50 Kgs Cement)	Litre	150.00
254	BMT-H.18	Integral Cement Waterproofing Compound: Conflow SNW2 or Zoriproof (Powder Form) (Dosage: 500 Grams per bag of 50 Kgs Cement) or Equivalent.	Kg	20.00
255	BMT-H.19	High plasticizing cement waterproofing liquid based on naphthalene formaldehyde: Conflow SNW2 - 750 Gms or Zorishield 200 or Equivalent. (Dosage:200 ml per Bag of 50 Kgs Cement)	Litre	90.00
256	BMT-H.20	Block Admixture: Conflow SNB or Zoriplast BA (Dosage: 20 ml to 25ml per bag of 50 Kgs Cement) or Equivalent.	Litre	135.00
257	BMT-H.21	Sprayed Concrete Accelerator: Shotset SN1 or Zoriset SCA or Equivalent (Dosage: 500 ml – 2.5 Ltrs/bag of Cement).	Kg	60.00
258	BMT-H.22	Surface treatment water Based high power curing compounds: Curaid SN1 or Zoricure WB (Coverage: 5-6 Sq. Mtrs / Ltr / Coat) or Equivalent.	Litre	410.00
259	BMT-H.23	Concrete wax based pigmented curing compound: Curaid SN2 or Zoricure SB or Equivalent. (Coverage : 4-5 Sq. Mtrs / Ltr / Coat )	Litre	410.00
260	BMT-H.24	Formwork & Mould Treatment: Shutterol SNU or Zorislip or Equivalent. (Coverage: 1 Ltr Zorislip will cover approx 20 to 30 m2 on method and material of the form )	Litre	135.00
261	BMT-H.25	Cleaning and acid etching agents: Uniklen SN1 or Zorikleen AC or Equivalent.	Litre	70.00
262	BMT-H.26	Ready to use universal degreasing and cleaning agents: Uniklen SN2 or Zorikleen DA or Equivalent.	Litre	75.00
263	BMT-H.27	Liquid Cleaning Agent: Uniklen SN3 or Zorikleen LC or Equivalent.	Litre	120.00
264	BMT-H.28	Non-shrink Free flow high strength injection grout: Expacrete SN50 or Zorigrout GP 2 or Equivalent. (Yield 13.5 Ltrs Per 25 Kgs Bag).	Kg	32.00
265	BMT-H.29	Non-shrink Free flow grout: Expacrete SN70 or Zorigrout GP 3	Kg	34.00
266	BMT-H.30	Non-shrink Free flow grout: Expacrete SN90 or Zorigrout GP 4	Kg	36.00
267	BMT-H.31	High strength cementitious non-shrink Free flow grout: Expacem SN2 or Zorigrout GP 1 or Equivalent. (250 Gms per Bag of 50 Kgs Cement).	pack	25.00
268	BMT-H.32	Low viscosity Epoxy resin injection grout (Two parts) :Expacrete SNE 1 or Zorigrout EP or Equivalent.(Density 1.07 Kg Per Ltr )	Kg	745.00
269	BMT-H.33	Epoxy Resin Grouts: Expacrete SNE 3 or Zorigrout EP 3 or Equivalent.	Kg	158.00
270	BMT-H.34	High Power Polyester Resin Anchor Grout: Anchorset SN1 or Zorifix or Equivalent. (Yield 0.5 Ltrs / 1 Kg Pack )	Kg	235.00
271	BMT-H.35	High strength, high polyester resin grouts – Anchorset SN2 or Zorifix XL or Equivalent. ( Yield 0.5 Ltrs / 1 Kg Pack )	Kg	470.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
272	BMT-H.36	Non-metallic Floor Hardeners: Flortop SNC or Zorifloor DH or Equivalent. (Coverage: May be applied at rate 3.5 Kgs /m2 over green concrete for normal traffic & 6-12 Kg / M2 for heavy traffic. Higher application rates yield better abrasion resistance)	Kg	35.00
273	BMT-H.37	Non-oxidizing, heavy duty metallic Floor Hardeners: Flortop SNS or Zorifloor NH or Equivalent.	Kg	25.00
274	BMT-H.38	Epoxy Floor coating: Procoat SNF or Food neutral Epoxy waterproof / dampproof coating: Zoricoat EP or Equivalent. (Coverage : 70 to 80 SFT / Per Ltr / coat)	Kg	592.00
275	BMT-H.39	Polysulphide modified epoxy coatings: Procoat SNS or Zoricoat EPS or Equivalent (Coverage : 250 to 300 Gms / M2 and forms a DFT of 175 to 200 Micron)	Kg	450.00
276	BMT-H.40	Essenputty SNE or Epoxy putty - Zoriputty EP or Equivalent	Kg	290.00
277	BMT-H.41	Zincrich epoxy resin primer - Procoat SNZ or Zoriguard ZP or Equivalent (Coverage : 4-5 Sq.Mtr. /Ltr / Coat)	Kg	417.00
278	BMT-H.42	Chemical resistance, fungus resistance water based polyurethane sterile coating : Procoat SNL or Zoristerile or Equivalent ( Coverage : 60 to 65 SFT / 2 Coats / Ltr)	Pack	750.00
279	BMT-H.43	Solvent free chemical resistant Epoxy self leveling (for food and pharmaceutical industry) Flooring system: Flortop SNSL or Zorifloor SL or Equivalent. ( 8.25 to 0.30 M2 / Kg mix with 2mm thickness )	Kg	274.00
280	BMT-H.44	Self leveling self smoothing water based epoxy floor topping : Flortop SNSL-SPL or ZORIFLOOR SLW - 1.5- 3mm or Equivalent (Coverage : 4.5m2 / 17 Kg Pack @ 2mm thickness depending on the substrate)	Kg	258.00
281	BMT-H.45	High build heavy duty epoxy resin floor coating: Flortop SNM or Zorifloor HB or Equivalent. (Coverage : Base coat 10- 12 m2/ 5 Kg @ 250 microns DFT )	Kg	305.00
282	BMT-H.46	Epoxy based repair mortar / concrete: Flortop SNFM or Zoricrete EP or Equivalent.	Litre	390.00
283	BMT-H.47	Solvent free Epoxy resin primer for floor coatings: Florcoat SNP or Zoriprime EP or Equivalent. (Coverage: 3 Kg unit covers about 13m2 for DFT of about 120 micron.)	Pack	635.00
284	BMT-H.48	Solvent free epoxy resin primer for protective coatings – Procoat SNC or Zoriprime EPF or Equivalent (Coverage : 3 Kg unit covers about 13m2 for DFT of about 120 micron.)	Pack	470.00
285	BMT-H.49	Epoxy Primer for floor coatings and protective coatings - Procoat SNP or Zoriprime EFC or Equivalent.	Pack	650.00
286	BMT-H.50	Epoxy primer for Hibond floor & protective coatings : Procoat SNP2 or Zoriprime EFC 2	Pack	725.00
287	BMT-H.51	Cementitious Micro concrete Repair products: Repcrete SNC or Zoricrete MC or Equivalent.	Kg	18.00
288	BMT-H.52	Repair Products:Repcrete SNE1 or Epoxy mortar - Zoricrete EPM or Equivalent	Kg	450.00
289	BMT-H.53	Under water epoxy resin system for repair products: Repcrete SNW or Zoricrete EUW or Equivalent.	Kg	906.00
290	BMT-H.54	Under water epoxy resin system mortar – Repcrete SNW Mortar or Zoricrete EMU	Kg	850.00



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291	BMT-H.55	Fast setting cement based plugging compound - Uniplug SN or Zoriplug or Equivalent ( Powder Form : mix with water direct application )	Kg	75.00
292	BMT-H.56	High durable cementitious acrylic based two pack Waterproofing systems: Aqua coat SNF or Zoricoat RX or Equivalent. (12 – 14 m2 in two coats to achieve 1mm thickness )	Kg	120.00
293	BMT-H.57	Water Repellents: Aquarepel SN1 or Water based silicon water repellent, Nano technology - Zoripel WB or Equivalent	Litre	650.00
294	BMT-H.58	Tile Adhesives: Tilegrip SNU or Zorimix or Equivalent. (At 3mm thickness 7-9 Sqm / 25 Kgs )	Kg	17.50
295	BMT-H.59	Acrylic based Bonding Adhesives: Conbond SNA or Zoribond PB or Equivalent. (Mix: 1:1 ratio of cement 50 SFT / Ltr /coat depending on the substrate)	Litre	155.00
296	BMT-H.60	Epoxy based Bonding adhesive: Conbond SNE or Zoribond EP or Equivalent. (Coverage : 20 – 25 SFT / Kg /Coat)	Pack	900.00
297	BMT-H.61	Supply of anti-corrosion admixture inhibitor liquid as per electro chemical Research institute developed specification. - Zoriplast AC or Equivalent (200 ml to 500 ml per Bag of 50 Kgs Cement).	Litre	230.00
298	BMT-H.62	HI-BOND: Concrete Plasticizers: HI-PLAST 01 or Roofbond High plast ( Dosage : 100 ml Per Bag of 50 Kgs Cement)	Litre	150.00
299	BMT-H.63	Concrete Plasticizers: HI-PLAST 02 or Roofbond High plast – 2 (Dosage : 200 ml per bag of 50 Kgs Cement)	Litre	90.00
300	BMT-H.64	Concrete Plasticizers: HI-PLAST PA or Roofbond AC	Litre	75.00
301	BMT-H.65	Super Plasticizers: HI-PLAST SP or Roofbond SP 30	Litre	70.00
302	BMT-H.66	Super Plasticizers: HI-PLAST SP AR or Roofbond SP 40	Litre	75.00
303	BMT-H.67	Accelerating Plasticizers: HI-PLAST AR or Concrete plasticizing, water reducing and accelerating admixture - Roofbond PA (Dosage : 500 ml to 1000 ml Per Bag of 50 Kgs Cement) or Equivalent.	Litre	70.00
304	BMT-H.68	Retarding Plasticizers: HI-PLAST RT or Roofbond RT 30	Litre	60.00
305	BMT-H.69	Air Entraining Agents: HI-PLAST A.E or Roofbond AEA	Litre	150.00
306	BMT-H.70	Retarding Super Plasticizers: HI-PLAST SP RT or Roofbond SR 30	Litre	70.00
307	BMT-H.71	HI-PLAST RSP or Roofbond SR 40 or Equivalent.	Litre	80.00
308	BMT-H.72	Mortar Plasticizers: HI-PLAST MP or Roofbond MP ( Dosage : 100 ml Per Bag of 50 Kgs Cement)	Litre	160.00
309	BMT-H.73	Integral Water Proofing compounds: HI-PROOF (L) or Liquid Concentrated Micronized Cement Waterproofing Compound: Roofbond 500 (Dosage: 500 ml per bag of 50 Kgs Cement) or Equivalent.	Litre	90.00
310	BMT-H.74	HI-PROOF (P) or Roofbond - P or Equivalent (Dosage: 1 Kg Per Bag of 50 Kgs Cement).	Kg	25.00
311	BMT-H.75	or Roofbond 750 or Equivalent	Litre	70.00
312	BMT-H.76	Block Admixtures: HI-ADMIX or Roofbond BA or Equivalent ( Dosage : 20 ml Per bag of 50 Kgs Cement)	Litre	22.00
313	BMT-H.77	Sprayed Concrete Accelerators: HI-ACCEL or Roofbond SA or Equivalent. ( Dosage : 50 Grams to 1 Kg Per Bag of 50 Kgs Cement)	Kg	60.00
314	BMT-H.78	Surface Treatments curing compounds: HI-CURE 01 or Roofex WB	Litre	650.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
315	BMT-H.79	Surface Treatments curing compounds: HI-CURE 02 or Roofex WXB	Litre	300.00
316	BMT-H.80	Repair Products: HI-CRM or Roofex GP2 or Equivalent	Kg	32.00
317	BMT-H.81	HI-CRM EX or Roofex EC or Equivalent	Kg	825.00
318	BMT-H.82	HI-CRM EXW or Roofex EW or Equivalent.	Kg	900.00
319	BMT-H.83	HI-CRM EX M or Structural graded polymer modified reinstatement concrete / mortar – Zoricrete CMG or Equivalent	Kg	78.00
320	BMT-H.84	Water Proofing: HI-SHIELD or Liquid applied single component, elastomeric waterproofing membrane coating with -Zoricoat XL or Equivalent. (Coverage : 50 to 60 SFT Per Ltr / Coat ) ( for brush / spray application add 20% water per Ltr ) As a primer coat application dilute with water @ of 1 : 1 ratio recommended.	Litre	350.00
321	BMT-H.85	Water Repellents: HI-REPEL or Solvent based silicon water repellent compound - Zoripel SB or Equivalent. (Direct application )	Litre	300.00
322	BMT-H.86	Tile Adhesives: HI-ADHESIVE or High strength tile adhesive (tile on tile): Zorimix Hi-Grip or Equivalent. ( At 3mm thickness 7-9 Sqm / 25 Kgs )	Kg	22.00
323	BMT-H.87	Bonding Adhesives: HI-FIX HFA or Styrene Butadine polymer based for waterproof and Repair Products : - Zoribond SBR or Equivalent. (Dosage : 50 to 60 SFT Per Ltr / Coat mix for repair 10 Ltr / bag of 50 Kgs Cement)	Litre	270.00
324	BMT-H.88	HI-FIX HFE or Epoxy tile mortar - Zorimix EH or Equivalent	Pack	130.00
325	BMT-H.89	HI-BOND Wall Putty Normal or Grey cement based Gypsum Plaster – Zoritek GP or Equivalent (Coverage : 35 to 40 SFT per bag of 40 Kgs Pack)	Kg	13.00
326	BMT-H.90	HI-BOND Wall Putty Fine or Portland cement based plaster finish surface for interior – Zoritek PC or Equivalent.	Kg	14.00
327	BMT-H.91	HI-BOND Wall Putty Super Fine or Acrylic based ready to use surface (white / off white) - Zoritek WC or Equivalent. (At 1.5 to 2mm thickness 100 - 125 SFT Per Bag of 25 Kgs Pack )	Kg	15.00
328	BMT-H.92	HI-BOND Wall Putty Super Fine (Water Resistant) or Smooth crack free, water resistant finish plaster Zoritek WP or Equivalent	Kg	38.00
329	BMT-H.93	POLY-SULPHIDE SEALING COMPOUND: Grade 'A' I.S.I excluding ST or Zoriseal BS Grade 'A' or Equivalent	1 Kg	90.00
330	BMT-H.94	Bitumen solution primer of approved quality: Zoriprime BT or Equivalent.	1 Kg	70.00
331	BMT-H.95	Tar felt Zorifelt BT Type : 2 Grade : 1 or Equivalent	1 sqm	120.00
I		<b>GLASS</b>		
332	BMT-I.01	Plain Float Glass 4 mm thick	1 sqm	334.00
333	BMT-I.02	Plain Float Glass 5 mm thick	1 sqm	427.00
334	BMT-I.03	Plain Float Glass 6 mm thick	1 Sqm	460.00
335	BMT-I.04	Plain Float Glass 8 mm thick	1 Sqm	713.00
336	BMT-I.05	Plain Float Glass 10 mm thick	1 Sqm	840.00
337	BMT-I.06	Plain Float Glass 12 mm thick	1 Sqm	1047.00
338	BMT-I.07	Tinted - Bronze/ Green Glass 4 mm thick	1 sqm	453.00
339	BMT-I.08	Tinted - Bronze/ Green Glass 5 mm thick	1 sqm	570.00
340	BMT-I.09	Tinted - Bronze/ Green Glass 6 mm thick	1 Sqm	638.00
341	BMT-I.10	Tinted - Bronze/ Green Glass 8 mm thick	1 Sqm	1021.00

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342	BMT-I.11	Tinted - Bronze/ Green Glass 10 mm thick	1 Sqm	1304.00
343	BMT-I.12	Tinted - Bronze/ Green Glass 12 mm thick	1 Sqm	1562.00
344	BMT-I.13	Pin headed Glass 4 mm thick	1 sqm	220.00
345	BMT-I.14	Pin headed Glass 5 mm thick	1 sqm	376.00
346	BMT-I.15	Frosted / Ground Glass 4 mm thick	1 sqm	485.00
347	BMT-I.16	Frosted / Ground Glass 5 mm thick	1 sqm	609.00
348	BMT-I.17	Toughened Plain Glass 5 mm (including Glass)	1 sqm	962.00
349	BMT-I.18	Toughened Plain Glass 6 mm (including Glass)	1 sqm	1107.00
350	BMT-I.19	Toughened Plain Glass 8 mm (including Glass)	1 sqm	1606.00
351	BMT-I.20	Toughened Plain Glass 10 mm (including Glass)	1 sqm	1892.00
352	BMT-I.21	Toughened Plain Glass 12 mm (including Glass)	1 sqm	2182.00
<b>J</b>		<b>PAINTS &amp; POLISHES</b>		
353	BMT-J.01	Cement Primer Waterbase Interior Gr- 1 Asian/ Berger/ Nerolac/ Saicoat/Indocem/ PMCC/ ESSAR or equivalent	1 Kg	100.00
354	BMT-J.02	Cement Primer Waterbase Exterior Gr-2 Asian/ Berger/ Nerolac/ Saicoat/Indocem/ PMCC/ ESSAR or equivalent	1 Kg	60.00
355	BMT-J.03	Red Oxide Iron Primer Paint Grade -1 Asian/ Berger/ Nerolac/ Saicoat/Indocem/ PMCC/ ESSAR or equivalent	1 Litre	90.00
356	BMT-J.04	Zinc Chromate Yellow Oxide Iron Primer paint Asian/ Berger/ Nerolac/ Saicoat/Indocem/ PMCC/ ESSAR or equivalent	1 Litre	130.00
357	BMT-J.05	Wood Primer Asian/ Berger/ Nerolac/ Saicoat/Indocem/ PMCC/ ESSAR or equivalent	1 Litre	100.00
358	BMT-J.06	Putty for steel work Asian/ Berger/ Nerolac/ Indocem/ PMCC/ ESSAR or equivalent	1 Kg	100.00
359	BMT-J.07	Putty for wood work Asian/ Berger/ Nerolac/ Indocem/ PMCC/ ESSAR or equivalent	1 Kg	100.00
360	BMT-J.08	White Lead	1 Kg	72.00
361	BMT-J.09	Varnish Indocem/ PMCC/ ESSAR Synthetic Clear Varnish Asian/ Berger/ Nerolac/ (Indocem/ PMCC/ ESSAR Paints) Or equivalent	1 Litre	100.00
362	BMT-J.10	Spirit	1 Litre	70.00
363	BMT-J.11	Linseed Oil	1 Litre	40.00
364	BMT-J.12	Thinner for Melamine polish/ French polish - Sheenlac	1 Litre	92.00
365	BMT-J.13	Thinner for Poly-urethane polish	1 Litre	190.00
366	BMT-J.14	French Polish	1 Litre	132.00
367	BMT-J.15	Wax Polish (Ready made)	1 Kg	400.00
368	BMT-J.16	Melamine Polish	1 Litre	221.00
369	BMT-J.17	Poly-Urethane Polish - Interior Grade	1 Litre	450.00
370	BMT-J.18	Poly-Urethane Polish - Exterior Grade	1 Litre	550.00
371	BMT-J.19	Fevicol/ Wood adhesive compound	1 Kg	156.00
372	BMT-J.20	Dry Powder Distemper	1 Kg	30.00
373	BMT-J.21	Oil Bound Washable Distemper Acrylic Based Asian/ Berger/ Nerolac/ Saicoat/Indocem/ PMCC/ ESSAR or equivalent	1 Kg	60.00
374	BMT-J.22	Plastic Emulsion Paint Asian/ Berger/ Nerolac/ Saicoat/Indocem/ PMCC/ ESSAR or equivalent	1 Litre	180.00
375	BMT-J.23	Royale Emulsion Paint / Exquisite Luxury Emulsion paint	1 Litre	300.00
376	BMT-J.24	Water proof Cement paint of Snowcem/ Indocem/ PMCC/ ESSAR Or equivalent	1 Kg	35.00
377	BMT-J.25	Acrylic Exterior Emulsion Asian/ Berger/ Nerolac/ Saicoat/Indocem/ PMCC/ ESSAR or equivalent	1 Litre	136.00

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378	BMT-J.26	Water proof Cement paint Snowcem Indocem/ PMCC/ ESSAR or equivalent	25 Kg	<b>820.00</b>
379	BMT-J.27	Surya Cem or equivalent quality	25 Kg	<b>350.00</b>
380	BMT-J.28	Anti Corrosive bitumen paint (Black ) grade1 Indocem/ PMCC/ ESSAR or equivalent	1 Litre	<b>360.00</b>
381	BMT-J.29	Aluminium paint 1st Grade Indocem/ PMCC/ ESSAR or equivalent	1 Litre	<b>180.00</b>
382	BMT-J.30	Synthetic Enamel paints in all shades Grade - I Asian/ Berger/ Nerolac / Indocem/ PMCC/ ESSAR or equivalent	1 Litre	<b>170.00</b>
383	BMT-J.31	Synthetic Enamel paints in all shades Grade - II Asian/ Berger/ Nerolac / Indocem/ PMCC/ ESSAR or equivalent	1 Litre	<b>130.00</b>
384	BMT-J.32	Supplying and finishing Synthetic plaster comprising of Acrylic emulsion binder with sieved fillers, application performance additives like thickeners, anti cracking and biocides - interior grade (Altek superfine/ sai coat/ Neon superfine/ Indocem/ PMCC/ ESSAR or equivalent )	1 Sqm	<b>60.00</b>
385	BMT-J.33	Supplying and finishing Synthetic plaster comprising of Acrylic emulsion binder with sieved fillers, application performance additives like thickeners, anti cracking and biocides - interior water resistant grade (Altek superfine W/R / sai coat/ Neon/Indocem/ PMCC/ ESSAR or equivalent )	1 Sqm	<b>60.00</b>
386	BMT-J.34	Supplying and finishing Synthetic ready mix plaster comprising of Acrylic emulsion binder with bigger size sieved fillers, application performance additives like thickeners, surface levelling for heavy undulations - interior grade (Altek coarse / sai coat/ Neon/Indocem/ PMCC/ ESSAR or equivalent )	1 Sqm	<b>80.00</b>
387	BMT-J.35	Supplying and finishing Synthetic ready mix plaster comprising of Acrylic emulsion binder with bigger size sieved fillers, application performance additives like thickeners, surface levelling for medium undulations - interior grade (Altek fine / sai coat/ Neon/ Indocem/ PMCC/ ESSAR or equivalent )	1 Sqm	<b>70.00</b>
388	BMT-J.36	Supply & Application of Two Coats of Altek/sai coat/ Neon Super Fine, One Coat of Altek/ sai coat/ Neon Water Based Cement Primer & Two Coats of Altek Flora/ sai coat/ Neon/Indocem/ PMCC/ ESSAR super track for internal walls (Emulsion Paint)	1 Sqm.	<b>95.00</b>
389	BMT-J.37	Supply & Application of Two Coats of Altek/sai coat/ Neon/Indocem/ PMCC/ ESSAR Super Fine, One Coat of Altek/sai coat/ Neon Water Based Cement Primer & Two Coats of Delight for internal walls (Acrylic Washable Distemper)	1 Sqm.	<b>90.00</b>
390	BMT-J.38	Supply & Application One Coat of Altek/ sai coat/ Neon/Indocem/ PMCC/ ESSAR Water Based Cement Primer & Two Coats of Altek Harmony/sai coat/ Neon Espro with fungicides for exterior walls (Emulsion Paint Exterior Grade).	1 Sqm.	<b>96.00</b>
391	BMT-J.39	Supply & Application of One Coat of Altek/sai coat/ Neon/Indocem/ PMCC/ ESSAR Water Based Cement Primer & Two Coats of Altek Alltime/sai coat/ Neon weather flex for exterior walls (Acrylic Emulsion Paint Exterior grade)	1 Sqm.	<b>110.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
392	BMT-J.40	Altek 1127 / Indocem/ PMCC/ ESSAR Wall Magic/ Saicoat / Birla - Wallbond Putty with White Cement & Polymer Base/ Cement Based Putty	20 Kg	575.00
393	BMT-J.41	Altek / PMCC or Equivalent top coat high UV resistant exterior paint	25 Kg	1403.00
394	BMT-J.42	Altek / PMCC / Deco orient base or Equivalent exterior Texture.	25 Kg	527.00
395	BMT-J.43	Altek / PMCC or Equivalent Gold line Exterior Texture	25 Kg	1033.00
396	BMT-J.44	NCL Skim coat 1127/ or PMCC or equivalent white cement based, polymer modified dry mix putty, specially made to work on levelled, cement sponge finished interior and exterior surfaces. Supply and application of Two Coats of Cement based putty 1127, inclusive of all taxes for finished item of work	1 Sqm	65.00
397	BMT-J.45	Supply & application of One coat of Altek / PMCC Water base Cement Primer & two coats of top coat high UV resistant & water resistant exterior paint, inclusive of all taxes for finished item of work	1 Sqm	60.00
398	BMT-J.46	Supply & application of One Coat Water based Cement Primer, One coat of Deco / PMCC Orient Base Exterior Texture & two coats of Altek Harmony (Emulsion paint exterior grade) inclusive of all taxes for finished item of work	1 Sqm	205.00
399	BMT-J.47	Supply & application of One coat of Water based Cement Primer, One coat of Gold line Exterior Roller Finish, inclusive of all taxes for finished item of work	1 Sqm	215.00
400	BMT-J.48	Supply & Application of two coats of Saicoat/PMCC or equivalent superfine acrylic spray plaster one coat of Saicoat water base cement primer and two coat of Saicoat Premium Emulsion for interior walls	1 Sqm	140.00
401	BMT-J.49	Supply & Application of one coat of Saicoat/PMCC or equivalent water base cement primer exterior & two coat of Saicoat Weatherflex Elastomeric exterior emulsion with antifunges for exterior wall (Emulsion Paints Exterior Grade)	1 Sqm	160.00
402	BMT-J.50	Saicoat/PMCC or equivalent Wallbond White Cement & Polymer base putty specially made to work on leveled, cement sponge finished interior and exterior surfaces, Supply and application of two coat of Saicoat Wallbond putty, one coat of Saicoat water base primer exterior & two coat of Saicoat Weatherflex elastomeric exterior emulsion, Inclusive of all taxes for finished item of work	1 Sqm	170.00
403	BMT-J.51	Supply and application of one coat of Saicoat or equivalent Re - Ino Texture & two coat Saicoat Weatherflex elastomeric exterior emulsion ,Inclusive of all taxes for finished item of work	1 Sqm	260.00
<b>K</b>		<b>PARTICLE BOARDS</b>		
404	BMT-K.01	Plain Particle Board: Interior Grade - 6 mm thick	1 Sqm	183.00
405	BMT-K.02	Plain Particle Board: Interior Grade - 8 mm thick	1 Sqm	196.00
406	BMT-K.03	Plain Particle Board: Interior Grade - 10 mm thick	1 Sqm	216.00
407	BMT-K.04	Plain Particle Board: Interior Grade - 12 mm thick	1 Sqm	229.00
408	BMT-K.05	Plain Particle Board: Interior Grade - 18 mm thick	1 Sqm	282.00
409	BMT-K.06	Plain Particle Board: Interior Grade - 21.4 mm thick	1 Sqm	334.00
410	BMT-K.07	Plain Particle Board: Interior Grade - 25 mm thick	1 Sqm	353.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
411	BMT-K.08	Plain Particle Board: Interior Grade - 35 mm thick	1 Sqm	614.00
412	BMT-K.09	Plain Particle Board: Exterior Grade- 8 mm thick	1 Sqm	229.00
413	BMT-K.10	Plain Particle Board: Exterior Grade-12 mm thick	1 Sqm	255.00
414	BMT-K.11	Plain Particle Board: Exterior Grade-18 mm thick	1 Sqm	334.00
415	BMT-K.12	Plain Particle Board: Exterior Grade-21.4 mm thick	1 Sqm	392.00
416	BMT-K.13	Plain Particle Board: Exterior Grade-25 mm thick	1 Sqm	444.00
417	BMT-K.14	Plain Particle Board: Exterior Grade-35 mm thick	1 Sqm	726.00
418	BMT-K.15	Melamine faced Single Deco PPB- 8 mm thick	1 Sqm	475.00
419	BMT-K.16	Melamine faced Single Deco PPB- 12 mm thick	1 Sqm	538.00
420	BMT-K.17	Melamine faced Single Deco PPB- 18 mm thick	1 Sqm	624.00
421	BMT-K.18	Melamine faced Single Deco PPB- 25 mm thick	1 Sqm	707.00
422	BMT-K.19	Melamine faced Single Deco PPB- 35 mm thick	1 Sqm	1176.00
423	BMT-K.20	Melamine faced Twin Deco PPB- 8 mm thick	1 Sqm	546.00
424	BMT-K.21	Melamine faced Twin Deco PPB- 12 mm thick	1 Sqm	624.00
425	BMT-K.22	Melamine faced Twin Deco PPB-18 mm thick	1 Sqm	722.00
426	BMT-K.23	Melamine faced Twin Deco PPB-25 mm thick	1 Sqm	799.00
427	BMT-K.24	Melamine faced Twin Deco PPB-35 mm thick	1 Sqm	1503.00
428	BMT-K.25	Natural Colour-Insulating Board - 12 mm thick	1 Sqm	177.00
429	BMT-K.26	Natural Colour-Insulating Board - 18 mm thick	1 Sqm	261.00
430	BMT-K.27	Natural Colour-Insulating Board - 25 mm thick	1 Sqm	333.00
431	BMT-K.28	White Insulating Board - 12 mm thick	1 Sqm	216.00
432	BMT-K.29	White Insulating Board - 18 mm thick	1 Sqm	308.00
433	BMT-K.30	White Insulating Board - 25 mm thick	1 Sqm	274.00
434	BMT-K.31	Extra for veneered particle Board with commercial veneering on both sides.	1 Sqm	105.00
435	BMT-K.32	Extra for veneered particle Board with Veneering on both sides with one side teak veneered and other side commercial veneered	1 Sqm	222.00
436	BMT-K.33	Extra for veneered particle Board with Teak veneering on both sides	1Sqm	347.00
437	BMT-K.34	Medium Fibre Board: Interior Grade - 6 mm thick	1 Sqm	288.00
438	BMT-K.35	Medium Fibre Board: Interior Grade - 8 mm thick	1Sqm	327.00
439	BMT-K.36	Medium Fibre Board: Interior Grade - 12 mm thick	1 Sqm	438.00
440	BMT-K.37	Medium Fibre Board: Interior Grade - 15 mm thick	1Sqm	556.00
441	BMT-K.38	Medium Fibre Board: Interior Grade - 18 mm thick	1 Sqm	621.00
442	BMT-K.39	Medium Fibre Board: Interior Grade - 25 mm thick	1Sqm	883.00
443	BMT-K.40	Medium Fibre Board: Interior Grade - 30 mm thick	1 Sqm	1066.00
444	BMT-K.41	Medium Fibre Board: Interior Grade - 35 mm thick	1Sqm	1163.00
445	BMT-K.42	Medium Fibre Board: Exterior Grade - 6 mm thick	1 Sqm.	393.00
446	BMT-K.43	Medium Fibre Board: Exterior Grade - 8 mm thick	1 Sqm.	457.00
447	BMT-K.44	Medium Fibre Board: Exterior Grade - 12 mm thick	1 Sqm.	605.00
448	BMT-K.45	Medium Fibre Board: Exterior Grade - 15 mm thick	1 Sqm.	760.00
449	BMT-K.46	Medium Fibre Board: Exterior Grade - 18 mm thick	1 Sqm.	851.00
450	BMT-K.47	Medium Fibre Board: Exterior Grade - 25 mm thick	1 Sqm.	1135.00
451	BMT-K.48	Medium Fibre Board: Exterior Grade - 30 mm thick	1 Sqm.	1413.00
452	BMT-K.49	Medium Fibre Board: Exterior Grade - 35 mm thick	1 Sqm.	1669.00
453	BMT-K.50	MDF Board: Plain-Interior - 9 mm thick	1 Sqm	264.00
454	BMT-K.51	MDF Board: Plain-Interior - 12 mm thick	1 Sqm	301.00
455	BMT-K.52	MDF Board: Plain-Interior - 18 mm thick	1 Sqm	372.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
456	BMT-K.53	MDF Board: Plain-Interior - 25 mm thick	1 Sqm	448.00
457	BMT-K.54	MDF Board: Plain-Interior - 30 mm thick	1 Sqm	681.00
458	BMT-K.55	MDF Board: Plain-Interior - 35 mm thick	1 Sqm	805.00
459	BMT-K.56	MDF Board: Plain-Exterior - 9 mm thick	1 Sqm	346.00
460	BMT-K.57	MDF Board: Plain-Exterior - 12 mm thick	1 Sqm	372.00
461	BMT-K.58	MDF Board: Plain-Exterior - 18 mm thick	1 Sqm	489.00
462	BMT-K.59	MDF Board: Plain-Exterior - 25 mm thick	1 Sqm	613.00
463	BMT-K.60	MDF Board: Plain-Exterior - 30 mm thick	1 Sqm	805.00
464	BMT-K.61	MDF Board: Plain-Exterior - 35 mm thick	1 Sqm	929.00
465	BMT-K.62	MDF Board: Interior-One Side Laminated -9 mm thick	1 Sqm	415.00
466	BMT-K.63	MDF Board: Interior-One Side Laminated -12 mm thick	1 Sqm	469.00
467	BMT-K.64	MDF Board: Interior-One Side Laminated -18 mm thick	1 Sqm	545.00
468	BMT-K.65	MDF Board: Interior-One Side Laminated -25 mm thick	1 Sqm	613.00
469	BMT-K.66	MDF Board: Interior-One Side Laminated -30 mm thick	1 Sqm	886.00
470	BMT-K.67	MDF Board: Interior-One Side Laminated -35 mm thick	1 Sqm	945.00
471	BMT-K.68	MDF Board: Exterior-One Side Laminated -9 mm thick	1 Sqm	477.00
472	BMT-K.69	MDF Board: Exterior-One Side Laminated -12 mm thick	1 Sqm	534.00
473	BMT-K.70	MDF Board: Exterior-One Side Laminated -18 mm thick	1 Sqm	607.00
474	BMT-K.71	MDF Board: Exterior-One Side Laminated -25 mm thick	1 Sqm	709.00
475	BMT-K.72	MDF Board: Exterior-One Side Laminated -30 mm thick	1 Sqm	945.00
476	BMT-K.73	MDF Board: Exterior-One Side Laminated -35 mm thick	1 Sqm	1004.00
477	BMT-K.74	MDF Board: Interior-Both Side Laminated -9 mm thick	1 Sqm	474.00
478	BMT-K.75	MDF Board: Interior-Both Side Laminated -12 mm thick	1 Sqm	534.00
479	BMT-K.76	MDF Board: Interior-Both Side Laminated -18 mm thick	1 Sqm	613.00
480	BMT-K.77	MDF Board: Interior-Both Side Laminated -25 mm thick	1 Sqm	769.00
481	BMT-K.78	MDF Board: Interior-Both Side Laminated -30 mm thick	1 Sqm	945.00
482	BMT-K.79	MDF Board: Interior-Both Side Laminated -35 mm thick	1 Sqm	1004.00
483	BMT-K.80	MDF Board: exterior-Both Side Laminated -9 mm thick	1 Sqm	534.00
484	BMT-K.81	MDF Board: exterior-Both Side Laminated -12 mm thick	1 Sqm	606.00
485	BMT-K.82	MDF Board: exterior-Both Side Laminated -18 mm thick	1 Sqm	716.00
486	BMT-K.83	MDF Board: exterior-Both Side Laminated -25 mm thick	1 Sqm	784.00
487	BMT-K.84	MDF Board: exterior-Both Side Laminated -30 mm thick	1 Sqm	992.00
488	BMT-K.85	MDF Board: exterior-Both Side Laminated -35 mm thick	1 Sqm	1063.00
489	BMT-K.86	BISON PANEL CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276-6 mm thick	1 sqm	159.00
490	BMT-K.87	BISON PANEL CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 8 mm thick	1 sqm	213.00
491	BMT-K.88	BISON PANEL CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 10 mm thick	1 sqm	261.00
492	BMT-K.89	BISON PANEL CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 12 mm thick	1 sqm	312.00
493	BMT-K.90	BISON PANEL CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 16 mm thick	1 sqm	412.00
494	BMT-K.91	BISON PANEL CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 20 mm thick	1 sqm	514.00
495	BMT-K.92	BISON PANEL CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 25 mm thick	1 sqm	643.00
496	BMT-K.93	BISON PANEL CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 30 mm thick	1 sqm	770.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
497	BMT-K.94	BISON PANEL CEMENT BONDED PARTICLE BOARD CONFORMING TO IS 14276- 40 mm thick	1 sqm	1025.00
498	BMT-K.95	BISON LAM PRE LAMINATED CEMENT BONDED PARTICLE BOARD-6 mm thick	1 sqm	541.00
499	BMT-K.96	BISON LAM PRE LAMINATED CEMENT BONDED PARTICLE BOARD-8 mm thick	1 sqm	584.00
500	BMT-K.97	BISON LAM PRE LAMINATED CEMENT BONDED PARTICLE BOARD- 10 mm thick	1 sqm	627.00
501	BMT-K.98	BISON LAM PRE LAMINATED CEMENT BONDED PARTICLE BOARD- 12 mm thick	1 sqm	686.00
502	BMT-K.99	BISON LAM PRE LAMINATED CEMENT BONDED PARTICLE BOARD- 16 mm thick	1 sqm	763.00
503	BMT-K.100	BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 6mm thick	1 sqm	183.00
504	BMT-K.101	BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 8mm thick	1 sqm	242.00
505	BMT-K.102	BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 10mm thick	1 sqm	301.00
506	BMT-K.103	BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 12mm thick	1 sqm	361.00
507	BMT-K.104	BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 16mm thick	1 sqm	474.00
508	BMT-K.105	V-Board-Cement Bonded Board - 4mm Thick	1 Sqm	111.00
509	BMT-K.106	V-Board-Cement Bonded Board - 6mm Thick	1 Sqm	160.00
510	BMT-K.107	V-Board-Cement Bonded Board - 8mm Thick	1 Sqm	205.00
511	BMT-K.108	V-Board-Cement Bonded Board - 10mm Thick	1 Sqm	237.00
512	BMT-K.109	V-Board-Cement Bonded Board - 12mm Thick	1 Sqm	295.00
513	BMT-K.110	V-Board-Cement Bonded Board - 14mm Thick	1 Sqm	330.00
514	BMT-K.111	V-Board-Cement Bonded Board - 16mm Thick	1 Sqm	376.00
515	BMT-K.112	V-Board-Cement Bonded Board - 18mm Thick	1 Sqm	425.00
516	BMT-K.113	V-Board-Cement Bonded Board - 20mm Thick	1 Sqm	450.00
517	BMT-K.114	Laminate Sheets - Glossy Finish: 1.00 mm thick	1 Sqm	282.00
518	BMT-K.115	Laminate Sheets - Glossy Finish: 1.50 mm thick	1Sqm	405.00
519	BMT-K.116	Laminate Sheets - Glossy Finish: 1.80 mm thick	1Sqm	444.00
520	BMT-K.117	Laminate Sheets - Mat Finish: 1.00 mm thick	1 Sqm	301.00
521	BMT-K.118	Laminate Sheets - Mat Finish: 1.50 mm thick	1 Sqm	418.00
522	BMT-K.119	Laminate Sheets - Mat Finish: 1.80 mm thick	1Sqm	451.00
523	BMT-K.120	Teak Veneer Lamination - 4 mm thick - Pencil Grains	1 Sqm	316.00
524	BMT-K.121	Teak Veneer Lamination - 4 mm thick - Natural Grains	1 Sqm	582.00
<b>L</b>		<b>PLYWOOD</b>		
525	BMT-L.01	3 Ply - 4 mm thick Plywood(IS:303) MR Grade	1 Sqm	278.00
526	BMT-L.02	5 Ply - 6 mm thick Plywood(IS:303) MR Grade	1 Sqm	306.00
527	BMT-L.03	5 Ply - 8 mm thick Plywood(IS:303) MR Grade	1 Sqm	360.00
528	BMT-L.04	5 Ply - 9 mm thick Plywood(IS:303) MR Grade	1 Sqm	360.00
529	BMT-L.05	9 Ply - 12 mm thick Plywood(IS:303) MR Grade	1 Sqm	453.00
530	BMT-L.06	9 Ply - 15 mm thick Plywood(IS:303) MR Grade	1 Sqm	667.00
531	BMT-L.07	9 Ply - 18 mm thick Plywood(IS:303) MR Grade	1 Sqm	653.00
532	BMT-L.08	3 Ply - 4 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	318.00
533	BMT-L.09	5 Ply - 6 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	373.00



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
534	BMT-L.10	5 Ply - 8 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	465.00
535	BMT-L.11	5 Ply - 9 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	439.00
536	BMT-L.12	9 Ply - 12 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	573.00
537	BMT-L.13	9 Ply - 15 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	823.00
538	BMT-L.14	9 Ply - 19 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	826.00
539	BMT-L.15	3 Ply-4 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	412.00
540	BMT-L.16	5 Ply - 6 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	536.00
541	BMT-L.17	5 Ply - 9 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	687.00
542	BMT-L.18	9 Ply - 13 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	876.00
543	BMT-L.19	5 Ply - 9 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	896.00
544	BMT-L.20	9 Ply - 12 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	1045.00
<b>M</b>		<b>CEILINGS, WALL PARTITIONS &amp; WALL LININGS</b>		
545	BMT-M.01	Gypsum Board 0.595 M x 0.595 M of 12.5 mm thick as per IS 2095 -1992	1 Sqm	220.00
546	BMT-M.02	Gypsum Board 0.595 M x 0.595 M of 9 mm thick as per IS 2095 -1992	1 Sqm	215.00
547	BMT-M.03	Gypsum Board Plain sheet 12.5 mm thick as per IS 2095 -1993	1 Sqm	200.00
548	BMT-M.04	G.I. Ceiling Angle - 25 mm x 10 mm x 0.55 mm	1 RM	65.00
549	BMT-M.05	G.I. Ceiling Section 51.5 mm x 26 mm x 10.5 mm x 0.55 mm thick	1 RM	74.00
550	BMT-M.06	G.I. Intermediate Section 45 mm x 15 mm x 15 mm x 0.9 mm	1 RM	73.00
551	BMT-M.07	G.I. Perimeter Channel - 20 mm x 27 mm x 30 mm(web) of 0.55 mm thick	1 RM	65.00
552	BMT-M.08	G.I.-Precoated Fine line Grid 25 mm x 25 mm x 0.7 mm	1 RM	36.00
553	BMT-M.09	G.I.-Precoated Fine line Grid 15 mm x 25 mm x 0.7 mm	1 RM	33.00
554	BMT-M.10	GI - Precoated - T-Sec- 24 mm x 38 mm x 0.7 mm thick	1 RM	47.00
555	BMT-M.11	Hot dipped GI Angle - Precoated - Grid: 19 mm x 19 mm	1 RM	35.00
556	BMT-M.12	Polyester painted GI - T Section - 24 x 32 mm	1 RM	44.00
557	BMT-M.13	Polyester painted GI - T Section - 24 x 25 mm	1 RM	39.00
558	BMT-M.14	Polyester painted GI - T Section - 24 mm x 27 mm	1 RM	40.00
559	BMT-M.15	Aluminium Angle : 24 mm x 24 mm	1 RM	23.00
560	BMT-M.16	Anodised Aluminium T Section : 24 x 24.5 x 2.4 mm	1 RM	30.00
561	BMT-M.17	Connecting Clips	1 Each	2.00
562	BMT-M.18	Rawl Plug	1 Each	1.50
563	BMT-M.19	6 mm Nylon Rawl Plug	1 Each	2.50
564	BMT-M.20	Soffit Cleats	1 Each	1.50
565	BMT-M.21	Drywall Screws - 25 mm	1 Each	1.50
566	BMT-M.22	Jointing Compound	1 Kgs	25.00
567	BMT-M.23	Jointing Paper Tape	1 RM	5.00
568	BMT-M.24	Drywall Top Coat	1 Litre	125.00
569	BMT-M.25	Universal Holding Clips	1 Each	2.50
570	BMT-M.26	4 mm Dia GI Connecting Rod	1 RM	10.00
571	BMT-M.27	2 mm Dia GI Connecting Rod	1 RM	8.00
572	BMT-M.28	12 mm - Armstrong Mineral Fibre sheet 600 x 600	1 Sqm	385.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
573	BMT-M.29	15 mm - Armstrong Mineral Fibre sheet 600 x 600	1 Sqm	<b>450.00</b>
574	BMT-M.30	15 mm - Armstrong Tegular Edge 600 x 600	1 Sqm	<b>485.00</b>
575	BMT-M.31	12 mm - Daiken Mineral Fibre sheet 600 x 600	1 Sqm	<b>390.00</b>
576	BMT-M.32	15 mm - Daiken Mineral Fibre sheet 600 x 600	1 Sqm	<b>460.00</b>
577	BMT-M.33	15 mm - Daiken Tegular edge sheet 600 x 600	1 Sqm	<b>500.00</b>
578	BMT-M.34	12 mm - AMF Mineral Fibre sheet 600 x 600	1 Sqm	<b>385.00</b>
579	BMT-M.35	15 mm - AMF Mineral Fibre sheet 600 x 600	1 Sqm	<b>450.00</b>
580	BMT-M.36	15 mm - AMF Tegular edge sheet 600 x 600	1 Sqm	<b>485.00</b>
581	BMT-M.37	Supply of Thermocole 12 mm thick sheets	1 Sqm	<b>23.00</b>
582	BMT-M.38	Supply of Thermocole 19 mm thick sheets	1 Sqm	<b>40.00</b>
583	BMT-M.39	Supply & fixing 75mm thick metal stud partition using 12.5 mm thick Gypboard conforming to IS 2095-1982 screw fixed to either side to 48 mm studs of 0.55 mm thick with the 50 mm floor and ceiling channel 0.55 mm and the joints duly finished with joint compound, paper tape and two coats Dry wall top coat as per specification.	1 Sqm	<b>1072.00</b>
584	BMT-M.40	Providing wooden panelling 12 mm thick Novapan one side laminated sheet fixed on wooden frame of BT wood size 50.8 mm x 25.4 mm (2"x1") at distance of 609.6mm (2'-0") intervals of both ways providing 3/4" x 1/2" (19.05 mm x 12.7 mm) size BT wood ornamental cover beading and necessary screws, fevicol glue complete for finished item of work.	1 Sqm	<b>1587.00</b>
585	BMT-M.41	Supply , manufacturing , installing of library Rack of 19 mm thick ISI marked commercial ply All round boxing verticals, Horizontal for depth of 609.6mm (2'-0) and shelves with 3.5 mm thick teak veneer covered with on exposed surface externally and internally and each panels with 6mm thick ISI commercial ply with 3.5 mm thick teak veneer for glazed shutters teak wood size 55 mm x 28mm with 5 mm thick glass fixed with ornamental beading and other ornamental beading is covered as per drawing including brass hinges, ornamental handles, ball catchers, buffers, locking system etc, and all the commercial ply exposed edges are to be covered with 6 mm thick teak wood lipping. All the teak veneer and teak wood and ornamental beading is coated with polishing and a coat of melamine finish etc, complete for finished item of work.	1 Sqm	<b>6796.00</b>
586	BMT-M.42	Ramco-Hilux Calcium Silicate Boards - 6mm thick	1sqm	<b>202.00</b>
587	BMT-M.43	Ramco-Hilux Calcium Silicate Boards - 8mm thick	1sqm	<b>270.00</b>
588	BMT-M.44	Ramco-Hilux Calcium Silicate Boards - 10mm thick	1sqm	<b>337.00</b>
589	BMT-M.45	Ramco-Hilux Calcium Silicate Boards - 12mm thick	1sqm	<b>404.00</b>
590	BMT-M.46	Supply and Fixing 66mm thick metal stud partition screw fixed to either side of 48mm studs of 0.55mm thick with 50mm floor and ceiling channel 0.55mm and the joints duly finished with joining compound, glass fibre tape and two coats dry wall top coat as per specification finished Item of work- using 8mm thick Ramco Hilux boards	1sqm	<b>1131.00</b>
591	BMT-M.47	Supply and Fixing 66mm thick metal stud partition screw fixed to either side of 48mm studs of 0.55mm thick with 50mm floor and ceiling channel 0.55mm and the joints duly finished with joining compound, glass fibre tape and two coats dry wall top coat as per specification finished Item of work - Using 10mm thick Ramco Hilux boards	1sqm	<b>1266.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
592	BMT-M.48	Supply and Fixing 66mm thick metal stud partition screw fixed to either side of 48mm studs of 0.55mm thick with 50mm floor and ceiling channel 0.55mm and the joints duly finished with joining compound, glass fibre tape and two coats dry wall top coat as per specification finished Item of work - Using 12mm thick Ramco Hilux boards	1sqm	<b>1400.00</b>
593	BMT-M.49	Supply and fixing of Ramco Hilux wall lining fixing to GI channels of perimeter channel 30mm x 27mm x 0.55 thick and ceiling channels of 51.1mm x 26mm x 10.5mm x 0.55mm thick and fixing and finishing using joint compound and glass fibre tape complete finish as per specification without painting for finished item of work: using 8mmthick Ramco Hilux board	1sqm	<b>671.00</b>
594	BMT-M.50	Supply and fixing of Ramco Hilux wall lining fixing to GI channels of perimeter channel 30mm x 27mm x 0.55 thick and ceiling channels of 51.1mm x 26mm x 10.5mm x 0.55mm thick and fixing and finishing using joint compound and glass fibre tape complete finish as per specification without painting for finished item of work: Using 10mm thick Ramco Hilux boards	1sqm	<b>739.00</b>
595	BMT-M.51	Supply and fixing of Ramco Hilux wall lining fixing to GI channels of perimeter channel 30mm x 27mm x 0.55 thick and ceiling channels of 51.1mm x 26mm x 10.5mm x 0.55mm thick and fixing and finishing using joint compound and glass fibre tape complete finish as per specification without painting for finished item of work: Using 12mm thick Ramco Hilux boards	1sqm	<b>806.00</b>
596	BMT-M.52	Supply and Fixing 66mm thick metal stud partition using 2 layers of 12mm thick Ramco Hilux boards screw fixed to either side to 48mm studs of 0.55mm thick with 50mm floor and ceiling channel 0.55mm.The boards joints are to be staggered to avoid through passage. Ceramic wool of 50mm thick, 64kg/m3 density is to be placed in cavity of the partition. The joints duly finished with joining compound, glass fibre tape and two coats dry wall top coat as per specification without painting for finished item of work	1sqm	<b>3759.00</b>
597	BMT-M.53	Supply of Plaster of paris Boards 12 mm thick	1 Sqm	<b>392.00</b>
598	BMT-M.54	Supply of Plaster of Paris Boards 10 mm thick	1 Sqm	<b>327.00</b>
599	BMT-M.55	DECOCEIL DESIGNER CEILING BOARD - DECOCEIL Patterns: 1. Tikka 2. Forraplus 3. Chemerraplus (sizes 4x2 , 4x4 , 2x2 ) Thickness 3.2 mm	1 Sqm	<b>232.00</b>
600	BMT-M.56	Everest Cement Boards (High Pressure Steam Cured) 4 mm thick	1 Sqm.	<b>112.00</b>
601	BMT-M.57	Everest Cement Boards (High Pressure Steam Cured) 6 mm thick	1 Sqm.	<b>170.00</b>
602	BMT-M.58	Everest Cement Boards (High Pressure Steam Cured) 8 mm thick	1 Sqm.	<b>221.00</b>
603	BMT-M.59	Everest Cement Boards (High Pressure Steam Cured) 10 mm thick	1 Sqm.	<b>247.00</b>
604	BMT-M.60	Everest Cement Boards (High Pressure Steam Cured) 12 mm thick	1 Sqm.	<b>320.00</b>
605	BMT-M.61	Everest Cement Boards (High Pressure Steam Cured) 14 mm thick	1 Sqm.	<b>320.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
606	BMT-M.62	Everest Cement Boards (High Pressure Steam Cured) 16 mm thick	1 Sqm.	<b>374.00</b>
607	BMT-M.63	Everest Cement Boards (High Pressure Steam Cured) 18 mm thick	1 Sqm.	<b>400.00</b>
608	BMT-M.64	Everest Cement Boards (High Pressure Steam Cured) 20 mm thick	1 Sqm.	<b>455.00</b>
609	BMT-M.65	Everest Designer Boards 4 mm thick	1 Sqm.	<b>187.00</b>
610	BMT-M.66	Everest Designer Boards 6 mm thick	1 Sqm.	<b>280.00</b>
611	BMT-M.67	Supply and fixing of E-board wall panelling (water, fire and Termite proof) with frame work made of GI stud profile of size 48 x 40 10 x 0.6 mm thick placed at every 610 mm C/C intervals fixed vertically in between floor and roof 'U' track of size 50 x 30 x 0.6 mm thick duly fixed with self expansion screws and with 8 mm thick E-board / 6 mm thick E-board classic cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap between two panels of width 2'-0". The Gap will be covered with a decorative beading. Surface will be given a smooth finish over a coat of primer. - With 8 mm E-board	1 Sqm.	<b>750.00</b>
612	BMT-M.68	Supply and fixing of E-board wall panelling (water, fire and Termite proof) with frame work made of GI stud profile of size 48 x 40 10 x 0.6 mm thick placed at every 610 mm C/C intervals fixed vertically in between floor and roof 'U' track of size 50 x 30 x 0.6 mm thick duly fixed with self expansion screws and with 8 mm thick E-board / 6 mm thick E-board classic cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap between two panels of width 2'-0". The Gap will be covered with a decorative beading. Surface will be given a smooth finish over a coat of primer. - With 6 mm E-board Designer	1 Sqm.	<b>800.00</b>
613	BMT-M.69	Supply and fixing double skin E-board partition with Frame work made of GI stud profile of size 48 x 40 x 10 x 0.6 mm thick placed at every 610 mm C/C intervals and 915 mm horizontal intervals duly fixed with self expansion screws, the E-board of 8 mm thick cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving 3 mm gap between two panels of width 2'-0" (610 mm). The gap will be covered with decorative moulding surface will be given a smooth finish over cement primer. The rate is inclusive of cost and conveyance of all materials and labour charges etc. complete.	1 Sqm.	<b>1100.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
614	BMT-M.70	Providing and fixing of 50mm thick EVEREST SOLID WALL PANEL Sandwich panels made of light Weight FRACC two 4mm thick non-asbestos fibre reinforced cement sheets on either side of the lightweight concrete core composed of Portland cement binders with tongue and groove arrangement. The bottom of the panel shall be fixed to the floor channel made up of 1 mm thick GI channels of size 14x50x25 mm fixed to the existing floor with 6x60mm nylon self expansion screws at 600 mm C/C and top of the panel fixed with ceiling channel made out of 1mm thick GI Channel of size 38x50x38mm duly fixed to the existing ceiling with 6x60mm nylon self expansion screws at 600 mm C/C. All the tongue and groove joints of the panels have to be properly cleaned and both the panels have to be fixed by applying the mixture of fly ash and sodium silicate in between and Everest jointing compound all the exposed joints. The rate includes cost of 50mm EVEREST SOLID WALL PANELS, G.I. Floor and ceiling channel. The panels can be flushed by using paper tape and Everest jointing compound all complete	1 sqm	<b>1345.00</b>
615	BMT-M.71	Providing and fixing of 75mm thick EVEREST SOLID WALL PANEL Sandwich panels made of light Weight FRACC two 4mm thick non-asbestos fibre reinforced cement sheets on either side of the lightweight concrete core composed of Portland cement binders with tongue and groove arrangement. The bottom of the panel shall be fixed to the floor channel made up of 1 mm thick GI channels of size 14x75x25 mm fixed to the existing floor with 6x60mm nylon self expansion screws at 600 mm C/C and top of the panel fixed with ceiling channel made out of 1mm thick GI Channel of size 38x75x38mm duly fixed to the existing ceiling with 6x60mm nylon self expansion screws at 600 mm C/C. All the tongue and groove joints of the panels have to be properly cleaned and both the panels have to be fixed by applying the mixture of fly ash and sodium silicate in between and Everest jointing compound all the exposed joints. The rate includes cost of 75mm EVEREST SOLID WALL PANEL panels, G.I. Floor and ceiling channel. The panels can be flushed by using paper tape and Everest jointing compound all complete.	1 Sqm.	<b>1722.00</b>
616	BMT-M.72	BISON PANEL (IS 14276) FALSE CEILING-Supply and fixing of BISONPANEL (IS 14276) false ceilingusing 8MM BISONPANEL with galvanized and pre painted steel T section of size 24mm x 38mm x 0.4mm for main T duty pre punched to accept cross T section of size 24mm x 30mm x 0.4mm duly punched at both ends for insertion into main T. The grid size will be 610mm x 610mm. The frame work (grid) is suspended to the roof by using G.I flat of 0.60mm or 14-gauge G.I wire with necessary fixers to the roof and frame work. BISONPANEL lay on the grid. The cost inclusive of necessary hardware, labor, one coat of primer (Both side) and two coats of smooth finish on visible side.	1Sqm	<b>690.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
617	BMT-M.73	BISON PANEL(IS 14276) WALL PANELING-Supply and fixing BISONPANEL(IS 14276) wall paneling using 10 MM BISONPANEL with frame work made of GI stud section of size 48mm x 35mm x 0.55mm thick placed at every 610 mm C/C intervals vertically and at 1200mm internals horizontally fixed to the wall by means of self expansion screws and caps. BISONPANEL is to be fixed to frame by means of self taping screws placed at every 300 mm intervals leaving 3mm gap between two panels. The cost inclusive of one coat of Altek primer and two coats of Altek smooth finish and cost & conveyance of all materials, labor charges etc. complete as per the direction of Engineer in charge.	1 Sqm	960.00
618	BMT-M.74	BISON PANEL (IS 14276) DOUBLE SKINPARTITIONS-Supply and fixing BISONPANEL (IS 14276) double skin partition using with 10 MM BISONPANEL made out of G.I. track section of size 50mmx 35mm x 0.55 mm for fixing to the roof and floor and stud section of size 48mm x 35mm x 0.55mm placed in track section vertically at 610mm intervals and at 1200mm intervals horizontally fixed to the wall by means of self expansion screws and caps to the wall and roof. BISONPANEL is to be fixed both sides of frame work by using self taping screws fixed at every 300mm intervals to the frame work leaving 3 mm gap between two panels. The cost inclusive with one coat of Alltek primer and two coats of Alltek smooth finish and cost and conveyance of all materials to site, labour charges etc., complete as per the direction of Engineer in charge.	1 Sqm	1400.00
619	BMT-M.75	BISON LAM (Pre Laminated Cement Bonded Particle Board) DOUBLE SKIN PARTITIONS-Supply and fixing of BISONLAM double skin partition using with 12MM BISONLAM made out of G.I track section of size 50 mm x 35mm x 0.55mm for fixing to the roof and floor and stud section of size 48mm x 35mm x 0.55mm placed in track section vertically at 610mm intervals and at 1200mm internals horizontally. The frame is fixed by means of self expansion screws and caps to the wall / roof. BISON LAM is to be fixed both sides of the frame work by using 2mm thick electro plated CR flat section leaving 3mm gap between two panels. The cost inclusive of cost and conveyance of all materials to sites, other materials incidentals and labour charges as per the direction of Engineer in charges.	1 Sqm	2000.00
620	BMT-M.76	BISON LAM (Pre Laminated Cement Bonded Particle Board) WALL PANELING-Supply and fixing of BISONLAM wall paneling using 12MM BISONLAM with frame work made of G.I stud section of size 48mm x 35mm x 0.55mm thick placed at every 610mm intervals vertically and at 1200mm internals horizontally fixed to the wall by means of self expansion screws and caps. BISON LAM is to be fixed to frame by means of self-taping screws placed at every 300mm intervals leaving 3mm gap between two panels. The cost inclusive of Conveyance of materials, Labour charges etc., complete as per the direction of Engineer in charge	1 Sqm	1500.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
621	BMT-M.77	BISON LAM (Pre Laminated Cement Bonded Particle Board) ALUMINIUM PARTATIONS-Supply and fixing of BISON LAM aluminium glazed partitions using 10MM BISONLAM and 5.50 mm thick plain glass to full height. Using with BISON LAM to a height of 0.91 meter at bottom panel and remaining height with glass and aluminium sections anodized to 12 to 15 microns and of sections of size 37mm x 62mm and 1.5mm thickness with one meter centre to centre duly fixed with clip beading on both sides including fixing the frame to pillars by M.S. flats, bolts and nuts including cost and conveyance of all materials etc., complete as directed during execution.	1 Sqm	2625.00
622	BMT-M.78	Providing and fixing 50mm thick "RAJSHRI" or equivalent SEMI HEIGHT SOLID PVC PARTITION consisting of 49mm sandwich PVC panel made out of 36mm high density expanded polystyrene sheet(E.P.S.-Thermocole) stuck on both side with 2mm thick plain/printed /prelam PVC rigid foam sheets reinforced with frame work made from 35mmX5mm M.S. Angle. In between two M.S. Angles 5mm thick plain/printed/prelam heat moulded "Rajshri" PVC 'C' channel of size 50X100mm with feathered edges shall be fixed on the floor & 50X75mm with feathered edges plain/printed /prelam PVC 'C' channel. In between adjoining EPS sandwiched PVC partitions panel 5mm thickX75mm width plain/printed/prelam PVC sheet feathered at edges shall be stuck on front & back face using solvent cement etc. in places where two partitions meet to form an 'L' shape the panels are joined 5mm thick plain/printed/prelam heat moulded "Rajshri" PVC 'L' section of size 75mmX75mm with feathered edges shall be fixed on front & back side. This is done to maintain the symmetry of design. An additional 5mm thick PVC strip of 40mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive, complete as per direction of Engineer-in-Charge, manufacture's specification & drawing	1 sqm	2700.00
623	BMT-M.79	Providing and fixing "RAJSHRI" or equivalent INSULATED PVC WALL PANELING shall consist of PVC insulated panels having wall thickness of 1mm /1.5mm/2mm PVC sheet and the desired thickness of EPS (dependent on the insulation required) screwed into the wall using screws of adequate length. The screws shall be placed at a distance of 150mm and shall be 25mm from the edge of the insulated panel on all from sides of the panel. The PVC strips of 5mm thick PVC sheet of width 75mm feathered at the edges shall be stuck using solvent cement adhesive at the places where two panels are joined, so as to cover the screw of both the panels, using solvent cement. 90 heat bent strips of 5mm thick PVC sheets of width 75mm X75mm feathered at the edges shall be stuck at wall joints / pillars etc. , complete as per direction of Engineer-in-Charge, manufacture's specification & drawing	1 sqm	2000.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
624	BMT-M.80	RAJSHRI SOLID PVC WALL LINING Providing and fixing RAJSHRI or equivalent plain PVC rigid foam sheet wall panelling of thickness 5mm consisting of panels having size 1220mm X2440mm stuck on inner frame work of 25mm wide strips of 5mm thick PVC rigid foam sheet. The strips should have in their centre a groove of 6mm width and 2mm depth for sinking the head of the screw used to fix the strips to the wall and should be placed vertically at equal intervals of 405/407mm centre to centre. The PVC strips shall be fixed to the wall using 65mm long M.S. screws through the groove in the strip by using PVC fasteners. The distance between two screws shall not be more than 300mm. a groove of 2mm may be left at the joint of two panels for aesthetic looks. This framework is done for making existing wall surface in ensured level and for sticking the wall panelling sheet (panel) on it. The exact size of the panel and correspondingly of the grid May be varied depending on the size of the wall. However it must be ensured that a strips of 5mm thick PVC sheet of width 75mm feathered at the edges shall be stuck at the places where two panels are joined, using solvent cement. , complete as per direction of Engineer-in-Charge, manufacture's specification & drawing	1 sqm	1900.00
625	BMT-M.81	Providing and fixing RAJSHRI or equivalent false ceiling consisting of 600mmX600mm, Solid PVC insulation panels having wall thickness of 1mm thick plain PVC rigid foam sheet and EPS as defined in of desired thickness depending on insulation required shall be insert in a frame work made using anodized aluminium Tee section of sizes 1"X1" (25X25mm, 19 gauge or 1mm thick) in square pattern of grid sizes of 2'X2' (600X600mm). The aluminium framework is supported from the ceiling with the help of G.I. hook and G.I. wire/6mm.M.S. rods of required sizes to maintain proper level etc. the aluminium framework is supported on side wall with the use of aluminium 1"X1" (25X25mm) angles, complete as per direction of Engineer-in-Charge, manufacture's specification & drawing	1 sqm	1200.00
626	BMT-M.82	Inssula Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Fissura Fine Model	1 Sqm	329.00
627	BMT-M.83	Inssula Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Speckle Model	1 Sqm	367.00
628	BMT-M.84	Inssula Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Textura Model	1 Sqm	405.00
629	BMT-M.85	Inssula Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Standard Regular Edge	1 Sqm	415.00
630	BMT-M.86	Inssula Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Fissura Fine Model	1 Sqm	424.00
631	BMT-M.87	Inssula Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Speckle Model	1 Sqm	443.00
632	BMT-M.88	Inssula Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Textura Model	1 Sqm	481.00



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
633	BMT-M.89	Supply and fixing of PVC false ceiling on MS/GI made skeleton framework. The frame shall be 24 X 48mm MS tube section fixed along with the wall. The entire frame work shall be concealed with PVC section having overall dimensions of 6 X 250mm with a wall thickness of 1mm $\pm$ 0.3mm with tongue and groove system, provided with necessary arrangements for electrical connections, complete, for finished item of work.	1 Sqm.	<b>1335.00</b>
634	BMT-M.90	Supply and fixing of wall panelling on the framework of wooded rippers of 24 X 24mm of required size. The entire framework shall be panelled with PVC section having overall dimensions of 6 X 250mm with a wall thickness of 1mm $\pm$ 0.3mm. The panels are joined with tongue and groove system. Necessary cut-outs for electrical connections to be provided at required places complete, for finished item of work.	1 Sqm.	<b>1273.00</b>
635	BMT-M.91	Supply and fixing of PVC Double Skin Partition. The entire framework shall be carried out by mild steel section having overall dimensions of 24 X 48mm with a wall thickness of 1.2mm. The entire framework shall be concealed with PVC section having overall dimensions of 6 X 250mm with a wall thickness of 1mm $\pm$ 0.3mm both sides. Glass provision/Door provision can be provided along the partition wherever required. Partitions can be made full or half as per requirement complete, for finished item of work.	Sqm.	<b>2219.00</b>
636	BMT-M.92	NCL or equivalent Partitions: Supply and fixing of partitions made of seccolor pre-painted steel (base steel as per IS 513 of 0.58 mm thick 'D' quality, galvanized as per IS 277 with Zinc of 120 GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick alkyd backer. Section for outer frame should be 46x52mm, section for shutter should be 46x46mm, section for mullion should be 46x70mm, section for beading should be 18x25mm and section for middle and bottom rail (Lock Rail and Kick Rail) of size should be 23x130mm. The partition should be panelled with 9mm pre-laminated particle board to a height of 0.91m from the bottom, and remaining height with 5mm thick plain glass With Ethyl Propylene Diamine Monomer (EPDM) Gaskets. The sections are to be cut to length, mitre joined with corner bracket Centre mullions are to be fixed using mullion cap. Gaskets made of Ethyl Propylene Diamine Monomer (EPDM). Corner brackets made of CRCA with zinc phosphate. Mullion caps made of Glass filled nylon. The above frames should be fixed to the concrete/masonry wall by means of self expanding screws, and complete for finished item of work.		
637	BMT-M.93	<b>Fixed Partition:</b> Outer frame section size of 46x52mm, mullion section should be of 46x70mm, fixed beading should be of 18x25mm.	1 sqm	<b>3771.00</b>
638	BMT-M.94	<b>Fixed Partition with Door:</b> Outer frame section size of 46x52mm, mullion section should be of 46x70mm, fixed beading should be of 18x25mm, section for shutter should be of 46x46mm and section for middle & bottom should be of	1 sqm	<b>4301.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		size 23x130mm		
639	BMT-M.95	Supply & fixing of 50mm thick Aerocon/ V-panels sandwich Panels having Tongue and Groove joint for partitions and walls using G.I. Flooring & Ceiling channels, hardware, Labour, transportation, wastages, etc., as a complete item of work excluding finishing, fittings & fixtures.	Sqm.	1300.00
640	BMT-M.96	Supply & fixing of 75mm thick Aerocon/ V-Panel sandwich Panels having Tongue & groove joint for partitions And walls using G.I. Flooring & Ceiling channels, hardware, Labour, transportation, wastages, etc., As a complete item of work Excluding finishing, fittings & fixtures	Sqm.	1650.00
641	BMT-M.97	Aerocon/ V- Panels - 50mm thick x 600mm standard width x 2400mm, 2700mm, 3000mm & 3300mm lengths	1 Sqm.	900.00
642	BMT-M.98	Aerocon/ V- Panels - 75mm thick x 600mm standard width x 2400mm, 2700mm, 3000mm & 3300mm lengths	1 Sqm.	1175.00
<b>N</b>		<b>DOORS</b>		
643	BMT-N.01	Providing and fixing factory made polyvinyl chloride (PVC) Door Frame of the size 50 x 47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet, mitre cut at two corners and joined with 2nos. of 150mm long brackets of 15x15mm M.S. square tube. The two vertical door profiles are to be reinforced with 19x19mm M.S. Square tube of 19 gauge. The door frame shall be fixed to the wall using 65/100mm long M.S. Screws through the frame by using PVC fasteners. A minimum of 4nos. of screws to be provided for each vertical member & minimum 2nos. for horizontal member etc. complete as per manufacturers specification and direction of Engineer-in-Charge for finished item of work	1 Rm	303.00
644	BMT-N.02	Providing and fixing 30mm thick Solid panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, & 15mm x 15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame shall be covered with 5mm thick heat moulded PVC 'C' channel of size 30 x 50mm forming stiles, and 5mm thick, 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panelling of 5mm thick PVC sheet to be fitted in the M.S. frame welded / sealed to the stiles & rails with 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive etc. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive. Complete as per direction of Engineer-in-charge, manufacturer's specification & drawing for finished item of work .	1 Sqm.	2205.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
645	BMT-N.03	Providing and fixing 30mm thick "RAJSHRI" or equivalent BRAND FACTORY MADE BOTHSIDE PRELAM SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of MS. Tubes of 19gauge thickness and size of 19mmX19mm for stiles, top and bottom rails. MS. Frame shall have a coat of steel primers of approved make and manufacture. MS. Frame covered with 5mm thick heat moulded "Rajshri" Prelam Pac 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 450 angle on either side forming stiles; and 5mm thick, 95mm wide Rajshri Prelam Pac sheet out of which 75mm shall be flat and 20mm shall be tapered in 450 on the inner side to form top and bottom rail 115mm wide Rajshri Prelam Pac sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rail shall be provided either side of the panel. 10mm (5mmX2) thick, 20mmwide cross Pac sheet shall be provided as gap insert for top and bottom rail. Panelling of 5mm thick both side Prelam Pac sheet to be fitted in the MS. Frame welded/ sealed to the stiles & rails with 7mm(5mm+2mm) thick X 15mm wide Pac sheet beading on inner side, and joined together with solvent cement adhesive etc. an additional 5mm thick Pac strip of 20mm width is to be stuck on the interior side of the 'C' channel using Pac solvent cement adhesive etc. complete as per direction of Engineer – in-charge, manufacture specification and drawing.	1 sqm	2700.00
646	BMT-N.04	Providing and fixing 30mm thick "RAJSHRI" or equivalent BRAND FACTORY MADE SOLID SINGLE SIDE PRELAM PANEL PVC DOOR SHUTTER consisting of frame made out of MS. Tubes of 19gauge thickness and size of 19mmX19mm for stiles, and 15mmX15mm for top and bottom rails. The MS. Frame shall have a coat of steel primers of approved make and manufacture. MS. Frame covered with 5mm thick heat moulded "Rajshri" single side Prelam Pac 'C' channel of size 30mmX50mm to form stiles. 5mm thick & 75mm wide single side prelim Pac sheets shall be for the top, bottom and lock rails. Panelling of 5mm thick one side Pac sheet to be fitted in the MS. Frame and sealed to the front (prelam side) stiles and rails (which should have a 5mm 45 bent portion as beading) and attached to the back (white/ivory) stiles and rails which should have a 10mm 90 bent portion as beading) using 2nos. 15mm wide X 5mm thick Pac sheet beading inside the 90 bent beading. All stiles, rails and beadings are to be joined to the panel using solvent cement etc. an additional 5mm thick Pac strip of 20mm width to be stuck on the interior side of the 'C' channel using Pac solvent cement adhesive and 10mm (5mmX2) thick, 20mm wide cross Pac sheet to be fitted as gap insert for top and bottom rail etc. complete as per direction of Engineer –in-Charge, manufacture specification and drawing.	1 sqm	2450.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
647	BMT-N.05	SUPPLY & FIXING or RAJSHRI or equivalent SINGLE SIDE PRELAM SOLID PANEL PVC DOOR FRAME (CHOUKHAT) Providing and fixing factory made Pac single side Prelam door frame of the size 50X47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid Pac single side prelam sheet, meter cut at two corners and joined with 2nos. of 150mm long brackets of 1515mm MS.Square tube. The two vertical door profiles are to be reinforced with 19X19mm MS. square tube of 19guage. The door frame shall be fixed to the wall using 65/100mm long MS. Screws through the frame by using Pac fasteners. a minimum of 4nos. of screws to be provided for each vertical member and minimum 2nos. for horizontal member etc. complete as per manufacture specification and direction of Engineer-in-charge.	1 Rm	340.00
648	BMT-N.06	Providing and fixing 35mm thick "RAJSHRI" or equivalent BRAND FACTORY MADE MOULDED DOOR SHUTTER consisting of sold core single leaf flush door of 30mm thickness, lipped with 15mm (5mmX3) thick X 30mm width on one stiles and top rails and 10mm (5mmX2) thick X 30mm width on the other stiles and bottom rails. The inner panel laminated with 2mm thick termite proof, water proof and fire resistant moulded Pac sheet with 2,4,6 raised panel design in different panel and / or prelam colours on one side after routing the moulded design on flush door and 2mm prelam Pac sheet on other side using rubber adhesive on flush door and solvent cement adhesive on Pac lipping etc. complete as per direction of Engineer-in-Charge, manufacture specification and drawing	1 sqm	2900.00
649	BMT-N.07	RAJSHRI or equivalent MOULDED PVC DOOR – WOOD FREE Providing and fixing 30mm thick Rajshri Brand factory made Moulded door shutter- wood free consisting of frame made out of MS. tubes 19gauge thickness and size of 25mmX25mm for stiles, top and bottom rails. MS. Frame shall have a coat of steel primers. The inner panel shall consist of 25mm thick High density EPS conforming to IS 4671-1984 bounded with 2mm thick termite proof, water proof and fire resistant moulded Pac sheet with 2,4,6 raised panel design in different plain and / or prelam colours after routing to the moulded design on one side and 2mm plain and / or prelam Pac sheet on other side of the EPS. The edge of panel to be sealed with lipping of 10mm wide PVC sheet bottom (made by sticking 2 rigid foam sheet of 5mm thickness using Pac solvent cement) and stiles sides 25mm (5mmX5) thick and 30mm width Pac sheet fitted along Ms. Tube for lock provision for lock height 5mm thick Pac sheet of size 150mmX100mm fixed with upper and lower face of inner side of EPS Panel etc. Complete as per direction of Engineer – in-Charge, manufacture specification and drawing	1 sqm	2475.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
650	BMT-N.08	Providing and fixing 30mm thick "RAJSHRI" or equivalent BRAND FACTORY MADE WIRE MESH SOLID PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mmX19mm for stiles and 15mm for top, lock & bottom rails. MS. Frame shall have a coat of steel primers of approved make and manufacture. 19mmX19mm M.S. square tubes shall be covered with 5mm thick heat moulded "Rajshri" PVC 'C' channel of size 30mm thickness, 90mm width out of which 75mm shall be flat and 15mm shall be flat and 15mm shall be bent in 900 on the inner side to from top and bottom rail and 130mm wide PVC sheet out of which 100mm shall be flat and 154mm shall be bent in 900 on both side to from lock rail, 10mm(5mmX2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panel will be of G.I.wire mesh of 24gauge to be fitted in by 'C' channel of size 35mm X10mm on the either side in the stiles. The inner side 'C' channel is fixed by 19mmX19mm MS. Tube on both sides with screws. The wire mesh in top bottom & lock rail is sealed with 15mm X 15mm tube with G.I.wire 10mm(5mmX2) thick PVC strip of 25mm width is to be stuck & nails on both side of G.I. wire mesh interior at the top, bottom & lock rail. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' channel using PVC solvent cement adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawings	1 sqm	2200.00
651	BMT-N.09	Providing and fixing "RAJSHRI" PVC door cladding to the flush doors shutters. For the new doors it shall be pasted with Fevicol SSR 998 or nailed to the old doors. complete as per direction of Engineer –in – charge, manufacturers specification and drawing - 1 mm thick	1 sqm	377.00
652	BMT-N.10	Providing and fixing "RAJSHRI" PVC door cladding to the flush doors shutters. For the new doors it shall be pasted with Fevicol SSR 998 or nailed to the old doors. complete as per direction of Engineer –in – charge, manufacturers specification and drawing - 1.5 mm thick	1 sqm	430.00
653	BMT-N.11	Providing and fixing "RAJSHRI" PVC door cladding to the flush doors shutters. For the new doors it shall be pasted with Fevicol SSR 998 or nailed to the old doors. complete as per direction of Engineer –in – charge, manufacturers specification and drawing - 2.0 mm thick	1 sqm	485.00
654	BMT-N.12	Flush door shutters, solid bond wood block board type with teak ply on both faces.: 25 mm thick conforming to IS:2202 of ANAND/RAAVILA/KUTTY/STANDARD/SHUBHDWAR/ITP	1 sqm	1168.00
655	BMT-N.13	Flush door shutters, solid bond wood block board type with teak ply on both faces.: 30 mm thick conforming to IS:2202 of ANAND/RAAVILA/KUTTY/STANDARD/SHUBHDWAR/ITP	1 sqm	1208.00
656	BMT-N.14	Flush door shutters, solid bond wood block board type with teak ply on both faces.: 35 mm thick conforming to IS:2202 of ANAND/RAAVILA/KUTTY/STANDARD/SHUBHDWAR/ITP	1 sqm	1301.00
657	BMT-N.15	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 25 mm thick conforming to IS:2202 of	1 sqm	595.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		ANAND/RAAVILA/KUTTY/STANDARD/SHUBHDWAR/ITP		
658	BMT-N.16	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 30 mm thick conforming to IS:2202 of ANAND/ RAAVILA/ KUTTY/ STANDARD/ SHUBHDWAR/ ITP	1 sqm	<b>670.00</b>
659	BMT-N.17	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 35 mm thick conforming to IS:2202 of ANAND/ RAAVILA/ KUTTY/ STANDARD/ SHUBHDWAR/ ITP	1 sqm	<b>734.00</b>
660	BMT-N.18	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 40 mm thick conforming to IS:2202 of ANAND/ RAAVILA/ KUTTY/ STANDARD/ SHUBHDWAR/ ITP	1 sqm	<b>874.00</b>
661	BMT-N.19	Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 20 mm thick conforming to IS:2202 of ANAND/ RAAVILA/ KUTTY/ STANDARD/ SHUBHDWAR/ ITP	1 sqm	<b>784.00</b>
662	BMT-N.20	Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 25 mm thick conforming to IS:2202 of ANAND/ RAAVILA/ KUTTY/ STANDARD/ SHUBHDWAR/ ITP	1 sqm	<b>874.00</b>
663	BMT-N.21	Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 30 mm thick conforming to IS:2202 of ANAND/ RAAVILA/ KUTTY/ STANDARD/ SHUBHDWAR/ ITP	1 sqm	<b>979.00</b>
664	BMT-N.22	Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 35 mm thick conforming to IS:2202 of ANAND/ RAAVILA/ KUTTY/ STANDARD/ SHUBHDWAR/ ITP	1 sqm	<b>1049.00</b>
665	BMT-N.23	Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 40 mm thick conforming to IS:2202 of ANAND/ RAAVILA/ KUTTY/ STANDARD/ SHUBHDWAR/ ITP	1 sqm	<b>1118.00</b>
666	BMT-N.24	Supply and fixing of E-board door shutter with alround style "U" lipping size 15 x 18 x 15 mm made from 0.8 mm thick powder coated cold rolled steel profiles with 16 mm thick E-board with necessary screws fixed at 1'-0" interval 250 mm long aldrops 2 Nos. M.S. nickel coated 250 mm long 1 No. M.S. Tower bolts including cost and conveyance of all materials at site and applying 1 coat of primer, 2 coats of luppum and 2 coats of synthetic enamel paint as per approved design for finished item of work.	1 Sqm.	<b>1102.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
667	BMT-N.25	Providing and fixing frame made from 1.2 mm powder coated cold rolled steel profiles of overall section size of 60 mm x 45 mm with 21 mm rivet for shutter with necessary stiffeners hinges and screws. E-board shutter with alround 'U' lipping of size 15 X 18 X 15 mm made from 0.8 mm thick CRCA powder coated steel profile with 16 mm thick E-board with necessary screws fixed at every 1'-0" interval 250 mm long aldrops 2 Nos. MS Nickel coated 250 mm long 1 No. MS tower bolt including cost and conveyance. One coat of primer, 2 coats of luppum and 2 coats of synthetic enamel paint as per approved colour, labour charges etc.	1 Sqm.	1680.00
668	BMT-N.26	BISON PANEL (IS 14276) CUP BOARD SHUTTERS - Supply and fixing of BISONPANEL (IS 14276) cupboard frames and shutters and using 16mm BISON PANEL duly painted both sides with one coat of primer and two coats of synthetic / enamel paint of approved shade and brand including fixing of hardware like M.S. powder coated Piano hinges of size 18mm x 18mm, brass ball catches, Aluminium tower bolts and handles, Godrej locks, Fevicol, screws and nails including cost and conveyance of all materials, labour charges, all incidental and operational charges etc., complete for finished item of work at site as per the directions of Engineer in Charge.	1 sqm	1506.00
669	BMT-N.27	BISON PANEL (IS 14276) SINGLE DOOR SHUTTER -Supply and fixing BISONPANEL (IS 14276) single door shutter using with 16MM BISONPANEL with all-round "U" section of size 12mmx18mmx12mm made from 0.6 mm thick galvanized, color quoted cold rolled steel profiles with necessary screws fixed at every 304.8 mm intervals. The cost inclusive of MS Nickel coated Aldrops of size 255 mm long 2 Nos., 200 mm long tower bolts 1 No., 125 mm handles 2 Nos. 300 mm long "T" hinge cost and conveyance of all materials at site and applying 1 coat primer, 1 coat of luppum and 2 coats of synthetic enamel paint as per approved design for finished item of work.	1 Sqm	1250.00
670	BMT-N.28	BISON PANEL (IS 14276) DOUBLE DOOR SHUTTER -Supply and fixing of BISON PANEL (IS 14276) door shutters using with 16MM BISONPANEL with all round style "U" size of 20mmx18mm x20mm made from 0.6mm thick galvanized pre-painted cold rolled steel profiles with BISONPANEL separating two shutter with 30mmx18mmx30mm Stepped lipping with necessary screws fixed at every 1'-0" (304.8mm) intervals. Ms Nickel coated 250 mm long aldrops 2 no's, MS powder coated 250mm long tower bolt 2no's, & 2no's MS powder coated 125 mm long grip handle. Including cost and conveyance of all materials at site and applying one coat of primer, 2 coats of lappum and 2 coats of synthetic enamel paint as per approved design for finished item of work.	1 Sqm	1708.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
671	BMT-N.29	BISON LAM (Pre Laminated Cement Bonded Particle Board) SINGLE SHUTTER - Supply and fixing of BISON LAM single door shutter using 16MM BISONLAM with all round section "U" size of mm thick galvanized pre-painted cold rolled steel profiles BISON LAM with necessary screws fixed at every 1'0" ( 304.8mm) intervals. The cost inclusive of MS Nickel coated 250mm long aldrops 2 no's , MS powder coated 250mm long tower bolt 1 no's, 2no's MS powder coated 125mm long grip handle, 1 no's M.S.P.C. Door stopper. Including cost and conveyance of all materials at site labour charges etc., complete finished item of work.	1 Sqm	1500.00
672	BMT-N.30	BISON LAM (Pre Laminated Cement Bonded Particle Board) DOUBLE DOOR SHUTTER - Supply and fixing of BISON LAM double door shutter using 16MM BISONLAM with all round "U" section size of 20mm x 18mm x 20mm made from 0.6mm thick galvanized pre-painted cold rolled steel profiles with BISON LAM separating two shutter with 30mm x 20mm x 30mm stepped lipping with necessary screws fixed at every 1'0" (304.8mm) intervals. The cost inclusive of MS Nickel coated 250mm long aldrops 2no's, MS powder coated 125mm long grip handle, 2 no's M.S.P.C. Door stopper. Including cost and conveyance of all materials at site labour charges etc., complete finished item of work.	1 Sqm	1800.00
673	BMT-N.31	Doors Frames (Colour Coated Steel Sections) & Shutter using Cement Bonded Particle Board as per IS 14276 (Bison Panel or equivalent) : Providing and fixing of door frame made from cold roll formed sections made of galvanized (Base steel as per IS277 with zinc of 120 Gms/sqm) colour coated steel sections with total coated thickness of 1mm, primer coated with epoxy primer coat of 5-7 microns thick, finish paint with polyester paint of 12-16 microns. The Section for door frame is to be filled with polyurethane (P.U) form of 40kg/m3. Overall size of frame section should be of 50mm x 50mm. With necessary corner brackets, stiffeners, hinges, and screws. Cement Bonded particle board shutter (Bison Panel or equivalent ) "Single Leaf" with all round styles "U" section of size 12m x 18m x 12mm made from 0.6 mm thick galvanized, colour coated cold rolled steel profiles with 16mm thick Cement Bonded particle Board (Bison Panel or equivalent ) with necessary screws fixed at every 1'-0" (304.8mm) intervals. The cost inclusive of MS nickel coated Aldrop of size 250mm long 2nos. 200mm long tower bolt 1no., 125mm handles 2nos., cost and conveyance of all materials at site and applying one coat primer , one coat of luppum and two coats of synthetic enamel paint as per approved design for finished item of work	1 Sqm	2558.00



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
674	BMT-N.32	CUPBOARD FRAMES & SHUTTERS USING BISONLAM (Pre-Laminated Cement Bonded Particle Board) - Supply and fixing of BISONPANEL (IS 14276) box type cupboard using BISONPANEL for making frame of size 100mm x 35mm using two sandwiched 16MM boards, one BISONPANEL and one BISONLAM with plain 35mm wood lipping. The Shutters are made of 16MM thick BISONLAM (Pre-Laminated Cement Bonded Particle Board) of approved shade inclusive of hardware like M.S. powder coated Piano hinges of size ¾" x ¾", Aluminium powder coated handles of size 4" (101.6mm), Aluminium tower bolt 4" (101.6mm) Godrej locks, screws, wood lipping and Fevicol etc., complete finish item of work.	1 Sqm	2250.00
675	BMT-N.33	BISON LAM (Pre laminated Cement Bonded Particle Board) SINGLE DOOR SHUTTERS - Supply and fixing of BISONLAM door shutter made out of U sections of size 12x14x12 made from 0.6mm thick PPS sections with 12MM BISONLAM with necessary screws fixed at every 1'.0" interwells. The hardware consists of 250mm long Aldrop – 2 Nos. 150mm Handle- 1 No, 150 mm long ms powder coated tower bolt 1 no. nickel coated. The cost is inclusive of all incidentals, labour transportation charges.	1 Sqm	1500.00
676	BMT-N.34	Supply and fixing of V- Board door shutter with alround style "U" lipping size 15 x 18 x 15 mm made from 0.8 mm thick powder coated cold rolled steel profiles with 16 mm thick V-board with necessary screws fixed at 1'-0" interval 250 mm long aldrops 2 nos. M.S. nickel coated 250 mm long 1 no. M.S. Tower Bolts Including cost and conveyance of all materials at site and applying 1 coat of primer, 2 coats of luppum and 2 coats of synthetic enamel paint as per approved design for finished item of work.	1 Sqm	1400.00
677	BMT-N.35	Providing and fixing frame made from 1.2 mm powder coated cold rolled steel profiles of overall section size of 60 mm x 45 mm with 21 mm rivet for shutter with necessary stiffeners hinges and screws. V- Board shutter with alround style "U" lipping of size 15 x 18 x 15 mm made from 0.8 mm thick CRCA powder coated steel profile with 16 mm thick V-board with necessary screws fixed at every 1'-0" interval 250 mm long aldrops 2 nos. M.S. nickel coated 250 mm long 1 no. M.S. Tower Bolts Including cost and conveyance. One coat of primer, 2 coats of luppum and 2 coats of synthetic enamel paint as per approved colour, labour charges etc.,.	1 Sqm	1650.00
678	BMT-N.36	Supply and fixing Sintex or equivalent doors are made out of PVC section and panels. The overall dimension of the same is 33mm X 47mm with usual process variation and having a wall thickness of 1.5mm with a variation of ± 0.3mm. The infill is seamless hallow multi chambered PVC single panel having an effective dimension of 762mm X 20mm having a wall thickness of 1mm ± 0.3mm complete, for finished item of work.	Sqm.	2018.00
679	BMT-N.37	Supply and fixing PVC door frames made from extruded sections in overall dimensions of 40 X 48mm having a wall thickness of 1.5mm with usual process variation of ± 0.3mm, complete, for finished item of work.	1 RM.	189.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
680	BMT-N.38	Supply and fixing of V-board wall panelling (water, fire and termite resistant) with frame work made of GI stud profile of size 48 x 40 x 10 x 0.6 mm thick placed at every 610 mm C/C intervals fixed vertically in between floor and roof 'U' track of size 50 x 30 x 0.6 mm thick duly fixed with self expansion screws and with 8 mm thick V- Board / Cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap between two panels of width 2'-0". The Gap will be covered with a decorative beading. Surface will be given a smooth finish over a coat of primer. Inclusive of all taxes: With 8 mm V- Board	1 Sqm	860.00
681	BMT-N.39	Supply and fixing double skin V- Board partition with Frame work made of GI stud profile of size 48x40x 10x 0.6 mm thick placed at every 610 mm C/C intervals and 915 mm horizontal intervals duly fixed with self expansion screws, the V- Board of 8 mm thick cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap between two panels of width 2'-0"(610 mm). The Gap will be covered with a decorative moulding surface will be given a smooth finish over cement primer. The rate Inclusive of cost and conveyance of all materials and labour charges etc., Complete. <b>DOUBLE SKIN PARTITION</b>	1 Sqm	1300.00
682	BMT-N.40	Supply and fixing of PVC cupboards for kitchen and bedrooms shall be made out of multi chambered PVC sections having overall dimensions of 20 X 762mm with a wall thickness of 1.2mm $\pm$ 0.3mm. The cabinets shall be made as per the requirements of the room with groove system. The PVC section surface shall be plain and laminated finish to have good look, completed, for finished item of work for SINTEX OR equivalent PVC CABINETS	1 Sqm.	4050.00
683	BMT-N.41	Supply and fixing of Sintex Frontura door shutter consisting of Sintex make or equivalent FRP (Fibre Reinforced Plastic) panels on either sides with depressed panelled design for door having overall wall thickness of 1.5mm + 0.35 mm with usual process variation. The core of the door shutter shall be filled with Polyurethane foam (PUF) injected with the help of Hydraulic Injection method, wooden black of 35mm x 31mm shall be provided on all four side of the door shutter. Necessary wooden blacks shall be provided to take up necessary hard wares and fixtures etc. with steel wire mesh at the centre of the door the rate inclusive of all taxes and finished item work. Max size: 838mm (W) x 2060mm (H) Colour GOLDEN BROWN. SINTEX FRONTURA DOOR SHUTTER (25MM THICK)	1 Sqm.	3120.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
684	BMT-N.42	Supply and fixing of Sintex Frontura door shutter consisting of Sintex make or equivalent FRP (Fibre Reinforced Plastic) panels on either sides with depressed panelled design for door having overall wall thickness of 1.5mm + 0.35 mm with usual process variation. The core of the door shutter shall be filled with Polyurethane foam (PUF) injected with the help of Hydraulic Injection method, wooden black of 35mm x 31mm shall be provided on all four side of the door shutter. Necessary wooden blacks shall be provided to take up necessary hard wares and fixtures etc. with steel wire mesh at the centre of the door the rate inclusive of all taxes and finished item work Max size: 838mm (W) x 2060 (H)Colour Golden Brown SINTEX FRONTURA DOOR SHUTTER (35MM THICK)	1 Sqm.	<b>3400.00</b>
685	BMT-N.43	Supply and fixing of Sintex Door shutter made from specially Hot Press Moulded SMC ( Sheet moulding compound) sheets, Polyurethane core and PVC Frame section SMC sheets shall be made from SMC conforming to IS-13410 sheet shall have an average thickness of 1.5mm + 0.35mm.Core of the door shutter shall be filled with high density polyurethane foam, injected with the help of hydraulic injection method shutter frame to be made of PVC extruded section conforming to IS:10151:1982 of size 26mm x 47mm with a wall thickness of 1.5mm + 0.3mm corresponding to Sintex code DWUF 305. The hardware locations shall be reinforced with special polymeric reinforcement wooden blocks of suitable size. The corners of the shutter frame shall be reinforced with Polymeric 'L' shaped angle of size 105mm x 230mm corresponding to Sintex code PR-02 the lock rail shall be made from PVC extruded sections having overall dimensions of 26mm x 47mm 1.5mm + 0.3mm, with usual process variation corresponding to Sintex code DWUF 305 Combining two numbers. Wooden pieces are inserted on the periphery. Suitable MS Tube reinforcement shall be provided on vertical sides of shutter frame the rate inclusive of all taxes and finished item work Colour: White & Grey SINTEX ENDURA DOOR SHUTTER (26MM THICK)	1 Sqm.	<b>2952.00</b>
686	BMT-N.44	Supply and fixing of door shutters made of rigid PVC extruded hollow section(Nandi or equivalent ) of 20mm X 200 mm with the wall thickness of 1.0mm +/- 0.1mm equally divided into 4 no's with tongue and groove locking arrangements. The shutter frame is made of 58 X 24 mm with the wall thickness of 1.5mm +/- 0.15mm section mitre-cut and joined at 4 corners with 125mm X 225mm plastic brackets. The shutter shall be horizontally reinforced with 2 no's of 8mm PVC rods. Teak wood batons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed on to the door shutter. PVC DOOR SHUTTER (Nandi or equivalent )	1 Sqm.	<b>1570.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
687	BMT-N.45	Supply and fixing of door shutters made of rigid PVC extruded hollow section(Nandi or equivalent ) of 20mm X 200 mm with the wall thickness of 1.0mm +/- 0.1mm equally divided into 4 no's with tongue and groove locking arrangements. The shutter frame is made of 30mm X 79mm with the wall thickness of 1.5mm +/-0.15mm section mitre-cut and joined at 4 corners with 125mm X 225mm plastic brackets. The shutter shall be horizontally reinforced with 2 no's of 8mm PVC rods. Teak wood batons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed onto the door shutter.	Sqm.	<b>1795.00</b>
688	BMT-N.46	Supply and fixing of door frame made of hollow extruded PVC section (Nandi or equivalent ) having dimensions of 40 X 57mm with the wall thickness of 2mm +/- 0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2 corners shall be metri-cut/ welded. PVC DOOR FRAME (Nandi or equivalent )	1 RM	<b>215.00</b>
689	BMT-N.47	Supply and fixing of door frame made of hollow extruded PVC section (Nandi or equivalent ) having dimensions of 40 X 46 mm with the wall thickness of 2mm +/- 0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2 corners shall be mitre cut/welded	1 RM	<b>187.00</b>
690	BMT-N.48	Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with std. Spn (S.S.) fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Single shutter 2'-0" x 4'-0" (609.6x1219.2mm) shutter section size 20 x 40 mm	1 Sqm	<b>1022.00</b>
691	BMT-N.49	Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with std. Spn (S.S.) fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Double shutter 3'-0" x 4'-0" (914.4 x 1219.2mm) shutter section size 20 x 40 mm	1 Sqm	<b>1022.00</b>
692	BMT-N.50	Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with std. Spn (S.S.) fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Double shutter 4'-0" x 4'-0" (1219.2 x 1219.2mm) shutter section size 20 x 40 mm	1 Sqm	<b>1022.00</b>
693	BMT-N.51	Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Single shutter 2'-0" x 4'-0" (609.6x1219.2mm) shutter section size 20 x 40 mm	1 Sqm	<b>881.00</b>
694	BMT-N.52	Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Double shutter 3'-0" x 4'-0" (914.4 x 1219.2mm) shutter section size 20 x 40 mm	1 Sqm	<b>881.00</b>
695	BMT-N.53	Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Double shutter 4'-0" x 4'-0" (1219.2 x 1219.2mm) shutter section size 20 x 40 mm	1 Sqm	<b>881.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
696	BMT-N.54	Supply & fixing of Door frames made of all formed sections of 1.25mm thick CRCA section, size should be 50x60mm with 32mm rebate. The corner of the frame should be welded. The frame should be painted with one coat of primer and finished painted with pure polyester paint. The frame should be provided with approved quality butt hinges of 3 Nos. complete for finished item.: Single shutter 3'-0" x 7'-0" (914.4x2133.6mm) outer frame section size of 50 x 60 mm	1RM	<b>204.00</b>
697	BMT-N.55	Supply & fixing of Door frames made of all formed sections of 1.25mm thick CRCA section, size should be 50x60mm with 32mm rebate. The corner of the frame should be welded. The frame should be painted with one coat of primer and finished painted with pure polyester paint. The frame should be provided with approved quality butt hinges of 3 Nos. complete for finished item.: Double shutter 5'-0" x 7'-0" (1524 x 2133.6mm) outer frame section size of 50 x 60 mm	1 RM	<b>204.00</b>
698	BMT-N.56	Supplying & fixing of Door frame made of roll formed section of 1.25 mm thick CRCA section, size should be 50 x 60 mm with 32 mm rebate. The corner of the frame should be welded. The frame should be painted with one coat of primer and finished painted with pure polyester paint. The frame should be provided with approved quality butt hinges of 3 Nos. Complete for finished item of work.: Single shutter 3'-0" x 7'-0" (914.4x2133.6mm) outer frame section size of 50 x 75 mm	1 RM	<b>232.00</b>
699	BMT-N.57	Supplying & fixing of Door frame made of roll formed section of 1.25 mm thick CRCA section, size should be 50 x 60 mm with 32 mm rebate. The corner of the frame should be welded. The frame should be painted with one coat of primer and finished painted with pure polyester paint. The frame should be provided with approved quality butt hinges of 3 Nos. Complete for finished item of work.: Single shutter 5'-0" x 7'-0" (1524x2133.6mm) outer frame section size of 50 x 75 mm	1 RM	<b>232.00</b>
700	BMT-N.58	NCL or equivalent Door Frames: Providing and fixing door frames fabricated from sections made of galvanized steel powder coated (base steel as per IS 513, galvanised as per IS 277 with zinc of 120 grams / square metre). The factory made section should be with a Powder Coating of pure Polyester Powder of 50-60 microns thick with total coated thickness of 1.25 mm. Size of door frame section should be of 105x60mm with a rebate of 38mm to accommodate 35mm thick door shutter. The frame section should have groove to insert gasket. The section of the door and fan light frame is to be filled with polyurethane foam. The frame section should be cut to length, and joined by way of welding and each frame should be provided with: a) 2mm thick MS powder coated butt hinges of 100mm long – 3 Nos. for single shutter, 6 Nos. for double shutter. b) CRCA Electroplates stiffeners of 6 Nos. – 3 in each vertical. c) 40mm x 200mm x 1.2mm hold fasts screwed to stiffeners – 6 Nos. with split end tail. d) Nylon Aldrop Receiver – 1 No. for single shutter frame. e) Tie Rod – 1 No	1 RM	<b>615.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
701	BMT-N.59	Supply and fixing of ELIXIR OR EQUALENT DOOR FRAMES factory made Internal door frames without threshold, fabricated from pre-painted cold roll formed section 100mm x 60 mm made of galvanized ( base steel as per IS – 513 'D' quality, galvanized as per IS-277 with Zinc of 120 Gms/sqm) steel colour coated sections with total coated thickness of 1 mm, primer coated with epoxy primer of 5-7 microns thick, finish painted with polyester paint of 12-16 microns and back coated with alkyd backer of 5-7 microns. The frame section is to be filled with polyurethane (P.U. Foam) of 40 Kg/Cum; and the sections are cut to length and mitre joined by means of 1.25mm thick CRCA electroplated corner brackets of size 75 x 75 mm and 1.25mm thick electroplated stiffeners of size 150mm for fixing hold fasts and hinges together with the following MS Power coated fitting (Supply and fixing ) of approved make a) 6 Nos M.S. Z. Type hold fasts made of 30mm x 3 mm MS flat of 230mm long, 3 Nos each side expandable PVC covered screw type fasteners b) 2.5 mm x 300 mm long 'T' hinges / 2.5mm x 50 mm x 100mm two way but hinges (3 Nos for single leaf or 2 Nos for Double leaf /leaf ) c) 12 mm Dia MS tie rod at bottom with necessary size of nuts on either side	1 RM	385.00
702	BMT-N.60	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors <b>three track - only two glass shutters sliding - 95 -Series</b> duly manufactured using UPVC reinforced profiles of 95.50 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/ Polywood/ Sintex / NCL/ Fenesta etc)	1 sqm	5697.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
703	BMT-N.61	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors <b>three track - two glass shutters sliding and one mesh shutter sliding- 95 -Series</b> duly manufactured using UPVC reinforced profiles of 95.50 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter shall be made of 50 x 26.5 x 2.0 mm uPVC profile section and fitted with nylon/polymer mesh and rollers/pulley duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/ Polywood/ Sintex / NCL/ Fenesta etc)	1 sqm	<b>6406.00</b>
704	BMT-N.62	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors <b>three track - three glass shutters sliding - 112 -Series</b> duly manufactured using UPVC reinforced profiles of 112.0 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/ Polywood/ Sintex / NCL/ Fenesta etc)	1 sqm	<b>5997.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
705	BMT-N.63	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) openable doors with <b>openable shutters - 106-Series</b> duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.25 mm for outer frames, 70 mm x 60 mm x 2.25 mm for mullion sections as per the need and 106 mm x 60 mm x 2.25 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant and accessories for openable door - hinges of stainless steel grade 304- 3 Nos., per shutter handle with mazak alloy casting 1 No. per shutter, locking system suitably concealed 1 No., with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/ Polywood/ Sintex / NCL/ Fenesta etc)	1 Sqm	<b>7135.00</b>
706	BMT-N.64	Sintex Door shutter, with shutter frame and infill panel made from PVC material conforming to IS: 10151-1982, The shutter frame made out of PVC Extruded sections having overall dimension of 47mm x 33mm with wall thickness of 1.2mm + 0.3mm with usual process variation corresponding to the Sintex code number DWUF 306. The shutter frame is given tapered shape to provide better grip to the infill panel end to drain out the water The Infill panel is made out of PVC Sections having Overall Dimensions of 200mmX 20mm with wall thickness of 1mm + 0.2mm with usual process variation corresponding to the Sintex code number SPUF 101. The shutter frames shall be mitre cut and joined at the corner. Polymeric “ L” type corners shall be provided at the corners to take up hardware & fixtures and shall be fixed with 10-20mm counter sunk fully threaded parallel shank steel screws. All the hardware locations shall be reinforced with special polymeric Bars as shown in the drawings. Stickers showing locations of different Hardware shall be pasted on the shutter. The infill panels shall be joined by tongue and groove method, WOODEN AND BP GREY COLOUR.	1 Sqm	<b>925.00</b>
707	BMT-N.65	Door shutter made out of PVC material conforming to IS: 10151-1982. The Infill Panel is made out of seamless one piece multi chamber PVC extruded sections having overall dimensions of 610mm x 20mm with wall thickness of 1mm + 0.2mm with usual process variation corresponding to the Sintex code number SPUF 128. The top and bottom edges of the shutter to be covered with end cap of the size 20mm x 11mm with usual process variation corresponding to Sintex Code Number DWUF 327. The door shutter to be reinforced with special polymeric reinforcements as shown in the drawing to take up necessary hardware's and fixtures. Stickers indicating the locations of hardware will be pasted at	1 Sqm	<b>1100.00</b>



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		appropriate places, . WOODEN AND BP GREY COLOUR.		
708	BMT-N.66	NCL or equivalent Metal Door (Scientific Door): Providing & Fixing of Metal Door frames and door shutters made up of Galvanize steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM) Pure polyester powder upto 50-60 microns thick . Outer frame section should be of 100x 58mm x 1.2mm thick. Shutter section should be of 0.80 mm thick galvanized steel sheet pressed (roll formed) to provide a 46mm thick fully flush, double skin door shell Seam joints at stile edges. In-fill of Honeycomb Kraft paper is used to give the required rigidity and effective acoustic insulation. 6" Tower bolt – 1 No., 6" D handles – 2 Nos., 10" Aldrop – 1 No., Butt Hinges – 3 Nos, Mortise Lock of approved quality – 1 No. The above frames should be fixed to the concrete/masonry wall by means of self expanding screws complete for finished item of work. Single leaf Door	1 Sqm	<b>7875.00</b>
709	BMT-N.67	NCL or equivalent Metal Door (Scientific Door): Providing & Fixing of Metal Door frames and door shutters made up of Galvanize steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM) Pure polyester powder upto 50-60 microns thick . Outer frame section should be of 100x 58mm x 1.2mm thick. Shutter section should be of 0.80 mm thick galvanized steel sheet pressed (roll formed) to provide a 46mm thick fully flush, double skin door shell Seam joints at stile edges. In-fill of Honeycomb Kraft paper is used to give the required rigidity and effective acoustic insulation. 6" Tower bolt – 1 No., 6" D handles – 2 Nos., 10" Aldrop – 1 No., Butt Hinges – 3 Nos, Mortise Lock of approved quality – 1 No. The above frames should be fixed to the concrete/masonry wall by means of self expanding screws complete for finished item of work. Double leaf Door	1 Sqm	<b>8400.00</b>
710	BMT-N.68	Moulded panel solid core flush doors using water-resistant hardwood fibre HDF / MDF fibre boards skins of 2.5 mm thick of Masonite or equivalent doors - 30 mm thick	1 Sqm	<b>1720.00</b>
711	BMT-N.69	Moulded panel solid core flush doors using water-resistant hardwood fibre HDF / MDF fibre boards skins of 2.5 mm thick Masonite or equivalent doors - 35 mm thick	1 Sqm	<b>1880.00</b>
712	BMT-N.70	Solid core membrane flush doors using rigid PVC membrane of 0.3 mm thick of different elegant shades doors - 30 mm thick	1 Sqm	<b>1400.00</b>
713	BMT-N.71	Solid core membrane flush doors using rigid PVC membrane of 0.3 mm thick of different elegant shades doors - 35 mm thick	1 Sqm	<b>1550.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
714	BMT-N.72	Providing & fixing "RAJSHRI" or equivalent 30 mm thick solid panel PVC door shutter consisting of frame made out of 19 gauge M.S tube of 19 x 19 mm for stiles, top & bottom rail. It shall have a coat of primer of approved make. M.S. Frame shall be covered with 5 mm thick heat moulded PVC "C" channel of size of 30x50 mm forming stiles, 5 mm thick 75 mm wide PVC sheet for top, lock & bottom rail on either side 20 mm wide cross PVC sheet as gap insert for top & bottom rail. Panelling of 10mm(+/-)( 5mm+5mm)" thick PVC sheet to be fitted in the M.S. frame welded /sealed to the stiles, on either side joined together with solvent cement adhesive etc. An additional 5 mm thick PVC strip of 20 mm width is to stuck on the interior side of the C channel using solvent cement. Complete as per direction of Engineer-in-charge, manufacturers specification.	1 Sqm	<b>2700.00</b>
715	BMT-N.73	Supply & Fixing SINTEX MARSHAL Door (SOLID STEEL DOOR) door shutter made out of G I Precoated Sheet with an average wall thickness of 0.35 mm on both sides. MS Tube having dimensions of 19 X 19 mm is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam injected with the help of hydraulic injection method. All four sides of the door are covered with same G I Precoated Sheet. The hardware locations shall be reinforced with suitable wooden blocks as shown in drawing to take up necessary hardware. Stickers indicating location of the hardware will be pasted at appropriate places. All dimension are in mm	1 Sqm	<b>1365.00</b>
716	BMT-N.74	Supplying & Fixing SINTEX SINGLE PANEL 30MM THICK PVC DOOR, Door shutters with shutter frame and Infill panel made from PVC material The shutter frame is made out of PVC extruded sections having overall dimensions of 60mm x 30mm with wall thickness of 1.3mm±0.3mm, with usual process variation corresponding to Sintex code number DWUF 333. The Infill panel is made out of multi chambered seamless hollow PVC extruded panel having overall dimensions of 610mm X 20mm having wall thickness 1mm ±0.2mm with usual process variation corresponding to Sintex Code number 128. The shutter frame shall be meter cut and joined at corners. All the hardware locations shall be reinforced with special polymeric bars as shown in the drawing. Providing special PVC Braket on Hinge side. All Dimensions are in MM.	1 Sqm	<b>2320.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
717	BMT-N.75	ELIXIR or EQUIVALENT DOOR FRAMES; Providing and fixing door frames fabricated from sections made of galvanized steel powder coated (base steel as per IS 513 galvanized as per IS 217 with zinc of 120 grams/ square meter). The factory made section should be with a Powder Coating of pure Polyester Powder of 50-60 microns thick with total coated thickness of 1.25mm. Size of door frame section should be of 105 x 60mm with a rebate of 38mm to accommodate 35mm thick door shutter. The frame section should have groove to insert gasket. The section of the door and fan light frame is to be filled with polyurethane foam. The frame section should be cut to length, and joined by way of welding. Each frame should be provided with a) 2mm thick MS powder coated butt hinges of 100 mm long – 3 Nos. for single shutter, 6 Nos for double shutter. b) CRCA Electroplated stiffeners of 6 Nos – 3 in each vertical. c) 40mm x 200mm x 1.2mm hold fasts screwed to stiffeners – 6 Nos with split end tail. d) Nylon Aldrop Receiver – 1 No. for single shutter frame e) Tie Rod – 1 No	1 RM	625.00
<b>P</b>		<b>WINDOWS</b>		
		BISON LAM (Pre Laminated Cement Bonded Particle Board) WINDOWS with Pre-Painted Steel Sections - Supply and fixing of factory made windows fabricated from pre-painted Cold rolled formed sections made of galvanized steel colour coated sections (Base steel as per IS-512 D quality, galvanized as per IS-277 with Zinc of 120 gram/sqm) with total coated thickness of 0.6mm primer coated with epoxy primer of 5-7 microns thick, finish painted with polyester paint of 12-16 microns and back coated with alkyd backer of 5-7 microns), the sections for outer frame and centre mullion (duly filled with PU form of 40 kg/Cum) should be of 60mm X 50mm, with provision for fixing glazed shutter. The section for glazed/panelled shutter should be of size 47mm x 20mm and another section of size 60mm x 23 mm should be provided for separating glazed and panelled portion. The section are cut to length and miter jointed with plastic corner brackets. The size of the corner brackets for a window outer frames 50mm x 60mm. the mullion section is to be fixed to the frame with plastic mullion cap.SZS 1. Stiffener plates of size 60mmx50mm made of 1.25mm thick CRCA electroplated are to be provided to fix window frames to concrete/masonry. Gasket is to be provided for fixing glass. 10mm BISON LAM both sides. 5mm thick colour pin headed glass is to be provided for glazing and providing guard bars of 10mm square rods duly welded at 100mm pitch to MS flat section of size 18mm and 3 mm thick. Windows are to be fixed to wall by means of self expansion nylon cap(75) and electroplated wooden screws of size 100mm, together with the following (Supply and fixing) aluminium powder coated fittings A) 75mm long grip handles 1 no per shutter. B) 75mm long tower bolts 2 nos. per shutter. C) Heavy duty SS pivot hinges 2nos per shutter. D) MS Powder coated telescopic stay 1 no		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		per shutter.		
718	BMT-P.01	BISON LAM (Pre Laminated Cement Bonded Particle Board) WINDOWS WITH PPS SECTIONS -Single shutter 2'0"x4'0" outer frame section size of 50mm x60mm shutter frame section size of 47 mm x 20mm and 60mm x23mm section provided for shutter frame mullion.	1 Sqm	3800.00
719	BMT-P.02	BISON LAM (Pre Laminated Cement Bonded Particle Board) WINDOWS WITH PPS SECTIONS - Double shutter 3'0" x4'0" outer frame section size of 50mm x60mm shutter frame section size of 47mmx20mm Mullion section size of 50mmx60mm for outer frame and 60mmx23mm section provided for shutter frame mullion.	1 Sqm	3838.00
720	BMT-P.03	BISON LAM (Pre Laminated Cement Bonded Particle Board) WINDOWS WITH PPS SECTIONS - Double shutter 3'0" x3'0" outer frame section size of 50mm x60mm shutter frame section size of 47mmx20mm Mullion section size of 50mmx60mm for outer frame and 60mmx23mm section provided for shutter frame mullion	1 Sqm	4226.00
721	BMT-P.04	BISON LAM (Pre Laminated Cement Bonded Particle Board) WINDOWS WITH PPS SECTIONS- Double shutter 4'0" x4'0" outer frame section size of 50mm x60mm shutter frame section size of 47mmx20mm Mullion section size of 50mmx60mm for outer frame and 60mmx23mm section provided for shutter frame mullion	1 Sqm	3800.00
722	BMT-P.05	BISON LAM (Pre Laminated Cement Bonded Particle Board) WINDOWS WITH PPS SECTIONS- Centre fixed both side open able shutters 6'0" x4'0" outer frame section size of 50mmx60mm shutter frame section size of 47mmx20mm, Mullion section size of 50mmx60mm fixed beading section size of 18mmx25mm, and 60mmx23mm section provided for shutter frame mullion.	1 Sqm	3413.00
723	BMT-P.06	SINTEX OR equivalent OPENABLE WINDOW Supply and fixing of Sintex window shall be made out of extruded PVC section. The outer frame having overall dimensions of 40 X 48mm with a wall thickness of 1.5mm with usual process variation of $\pm 0.3$ mm. The shutter frame having with overall dimensions of 26 X 47mm with wall thickness of 1.2mm $\pm 0.3$ mm provided with 5mm glazing. The centre mullion having over all dimensions of 25 X 32.5mm $\pm 0.3$ mm, complete, for finished item of work.	1 Sqm.	3008.00
724	BMT-P.07	SINTEX OR equivalent SLIDING 2 TRACK WINDOWS Supply and fixing of two track or three track sliding window the outer frame shall be 58 X 45mm with a wall thickness of 1.2mm $\pm 0.3$ mm. The sliding shutter frame is made of PVC section 57 X 32mm with overall dimensions of 1.5mm $\pm 0.3$ mm provided with 5mm glazing. Roller bearings and arrestor type handle cum lock shall be provided, complete, for finished item of work.	1 Sqm.	2680.00
		NCL or equivalent PRE- PAINTED STEEL, WINDOWS, VENTILATORS & DOOR FRAMES. Supply and fixing of windows & top Hung and fixed louvered ventilators made of pre - painted steel (base steel as per IS 513 of -0.6 mm thick 'D' quality, galvanized as per IS 277 with zinc of 120 GSM) primer		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer. Section for outer frame should be 46 x 52 mm section for shutter should be 46 x 46 mm section for mullion should be 46 x 70 mm, and section for beading should be 18 x 25 mm and section for louvered ventilation should be 33 x 57mm Box section. The windows should be panelled with 5mm thick plain float glass & 4 mm pinhead glass for ventilators with Ethyl propylene Diamine monomer Gasket (EPDM). The sections are to be cut to length mitre joined with corner bracket centre mullions are to be fixed using mullion cap. Handle made of high grade aluminium powder coated and nylon receiver. Gaskets made of Ethyl propylene Diamine monomer (EPDM). Corner brackets made of CRCA with Zinc Phosphate. Mullion caps made of glass filled nylon. The above frames should be fixed to the concrete /masonry wall by means of self expanding screws including 10 mm square guard bars with 6" pitch complete for finished item of work.		
725	BMT-P.08	<b>Windows:</b> Single shutter 2'0" x 4'0" (609.6 x 1219.2 mm ) Outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm	1 sqm	<b>4901.00</b>
726	BMT-P.09	<b>Windows:</b> Double shutter 3'-0" x 4'-0" (914.4mm x 1219.2 mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm	1 Sqm	<b>4901.00</b>
727	BMT-P.10	<b>Windows:</b> Double shutter 3'-0" x 4'-0" (914.4mm x 1219.2 mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm	1 Sqm	<b>5195.00</b>
728	BMT-P.11	<b>Windows:</b> Double shutter 4'-0" x 4'-0" (1219.2x1219.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm	1 Sqm	<b>4901.00</b>
729	BMT-P.12	<b>Windows:</b> Double shutter 4'-0" x 4'-0" (1219.2x1219.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm	1 Sqm	<b>5195.00</b>
730	BMT-P.13	<b>Windows:</b> Double shutter 4'-6" x 4'-6" (1371.6x1371.6mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm	1 Sqm	<b>4630.00</b>
731	BMT-P.14	<b>Windows:</b> Centre fixed both side openable shutter 5'-0" x 4'-0" (1524x1219.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm fixed beading section size of 18 x 25 mm	1 Sqm	<b>4630.00</b>
732	BMT-P.15	<b>Windows:</b> Centre fixed both side openable shutter 6'-0" x 4'-0" (1828.8x1219.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm fixed beading section size of 18 x 25 mm	1 Sqm	<b>4630.00</b>
733	BMT-P.16	<b>Windows:</b> Centre fixed both side openable shutter 6'-0" x 4'-6" (1828.8x1371.6mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm fixed beading section size of 18 x 25 mm	1 Sqm	<b>4630.00</b>
734	BMT-P.17	<b>Ventilators:</b> Top Hung 2'-0" x 2'-0" (609.6x609.6mm) outer frame section size of 46mm x 52 mm shutter frame section size of 46mm x 46 mm	1 Sqm	<b>5370.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
735	BMT-P.18	<b>Ventilators:</b> Top Hung 4'-0" x 2'-0" (1219.2x609.6mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm	1 Sqm	<b>5370.00</b>
736	BMT-P.19	<b>Ventilators:</b> Top Hung 4'-0" x 3'-0" (1219.2x914.4mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm	1 Sqm	<b>5370.00</b>
737	BMT-P.20	<b>Ventilators:</b> Fixed louvers 2'-0" x 2'-0" (609.6x609.6mm)(Box section) outer frame section size of 33 x 57 mm	1 Sqm	<b>3685.00</b>
738	BMT-P.21	<b>Ventilators:</b> Fixed louvers 4'-0" x 2'-0" (1219.2x609.6mm) (Box section) outer frame section size of 33 x 57 mm Mullion section size of 33 x 57	1 Sqm	<b>3685.00</b>
739	BMT-P.22	<b>Ventilators:</b> Fixed louvers 4'-0" x 3'-0" (1219.2x914.4mm) (Box section) outer frame section size of 33 x 57 mm Mullion section size of 33 x 57	1 Sqm	<b>3685.00</b>
		NCL or equivalent ECO 3000 SERIES WINDOWS (SUITABLE FOR RESIDENTIAL BUILDINGS WITH GRILL PROVISION) Providing and Fixing of windows made of pre-painted steel (Base steel as per IS 513 of 0.6mm thick galvanized as per IS 277 with Zinc of 120 GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer. Section for outer frame should be of 48x50mm, centre mullion should be of 48x50mm, section for shutter should be of 47x20mm Outer frame and mullions to have rebate for Glazed shutter and a 20mm provision for Guard bars/Grills. The sections are to be cut to length metre joined with corner bracket. Centre mullion is to be fixed with mullion cap. Seccolor Handle, seccolor stay, 2 nos. of Stainless Steel heavy duty Pivot hinges shall be provided per shutter. The windows should be panelled with 5mm thick plain float glass. Rubber Gaskets are provided all around the glass. The above frames should be fixed to the concrete/masonry wall by means of self expanding screws, Including 10mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work.		
740	BMT-P.23	Single shutter Window 2'0"x4'0" (609.6mm x 1219.2mm). Outer frame section size of 48x50mm shutter frame section size of 47x20mm.	1 Sqm	<b>4513.00</b>
741	BMT-P.24	Double shutter Window with vertical mullion 3'0" x 4'0" (914.4mm x 1219.2mm) outer frame section size of 48x50mm shutter frame section size of 47x20mm. Mullion section size of 48x50mm.	1 Sqm	<b>4806.00</b>
742	BMT-P.25	Double shutter Window with vertical member 4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame section size of 48x50mm shutter frame section size of 47x20mm and mullion section should be of 48x50mm.	1 Sqm	<b>4806.00</b>
743	BMT-P.26	Centre fixed both side openable shutter window 5'0"x4'0" (1524mm x 1219.2mm). Outer frame section size of 48x50mm. Shutter frame section size of 47x20mm. Mullion section size of 48x50mm. Fixed beading section size of 12x12mm.	1 Sqm	<b>4240.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
744	BMT-P.27	Centre fixed both side openable shutter window 6'0"x4'0" (1828.8mm x1219.2mm). Outer frame section size of 48x50mm. Shutter frame section size of 47x20mm. Mullion section size of 48x50mm. Fixed beading section size of 12x12mm.	1 Sqm	4240.00
		NCL or equivalent ECO 4000 SERIES WINDOWS (SUITABLE FOR RESIDENTIAL BUILDINGS WITH GRILL & FLYMESH PROVISION) Providing & Fixing of windows made of pre-painted steel (Base Steel as per IS 513 of 0.6mm thick galvanized as per IS 277 with zinc of 150 GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkylid backer. Section for outer frame should be of 72x55mm, centre mullion should be of 72x50mm, Section for fixed glass beading section should be of 12x12mm and section for shutters should be of 47x20mm. Outer frame & mullion sections to have rebate for glazed shutters, fly mesh and a 20mm provision for guard bars/grills. Fly mesh shutter section should be of 20x40mm. The sections are to be cut to length metre joined with corner bracket. Centre mullions are to be fixed with mullion cap, seccolor stay, seccolor handles, seccolor latch 2 Nos of heavy duty stainless steel pivot hinges shall be provided per Shutter. The windows should be panelled with 5mm thick plain float glass and S.S. Mesh for fly mesh shutter(304 grade). Rubber Gaskets are provided all around the glass. The above frames should be fixed to the concrete/masonry wall by means of self expanding screws. Including 10mm Square guard bars with 6" (152.4mm) pitch , complete for finished item of work		
745	BMT-P.28	Single shutter Window 2'0"x4'0" (609.6mm x 1219.2mm). Outer frame section size of 72x50mm shutter frame section size of 47x20mm.	1 Sqm	5991.00
746	BMT-P.29	Double shutter Window with vertical mullion 3'0" x 4'0" ( 914.4mm x 1219.2mm) outer frame section size of 72x50mm shutter frame section size of 47x20mm. Mullion section size of 72x50mm.	1 Sqm	6283.00
747	BMT-P.30	Double shutter Window with vertical member 4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame section size of 72x50mm shutter frame section size of 47x20mm and mullion section should be of 72x50mm.	1 Sqm	6283.00
748	BMT-P.31	Centre fixed both side openable shutter window 5'0"x4'0" (1524mm x1219.2mm). Outer frame section size of 72x50mm. Shutter frame section size of 47x20mm. Mullion section size of 72x50mm. Fixed beading section size of 12x12mm.	1 Sqm	5719.00
749	BMT-P.32	Centre fixed both side openable shutter window 6'0"x4'0" (1828.8mm x1219.2mm). Outer frame section size of 72x50mm. Shutter frame section size of 47x20mm. Mullion section size of 72x50mm. Fixed beading section size of 12x12mm.	1 Sqm	5719.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
750	BMT-P.33	NCL or equivalent Sliding Windows Providing and Fixing Sliding Window fabricated from Roll formed sections made of galvanized Steel colour coated/powder coated (Base Steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 GM/Sq.mtr) with total coated thickness of 0.60mm. Primer coat with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick. Section for external frame bottom should be of 79x44mm, external frame sides and top should be of 69x24mm, guide for top and bottom should be of 69x26mm (Stainless Steel). Section for shutter should be of 26x30mm. The windows should be panelled with 5mm thick plain float glass. Corner bracket for internal and external frame made of glass filled nylon. Gaskets are to be made of Ethyl Propylene Diamine Monomer (EPDM).The sections are to be cut to length, joined and assembled by means of corner bracket. The above frames should be fixed to the concrete/masonry walls by means of self expanding brackets & screws including 10mm square guard bars with 6" pitch (152.4mm) and all Taxes complete for finished item of work	1 sqm	5195.00
		ELIXIR SUPER SERIES OR equivalent PRE – PAINTED STEEL WINDOWS / VENTILATORS & DOOR FRAMES Supply and fixing of windows & top hung and fixed louvered Ventilators made of pre – painted steel (base steel as per IS 513 of -0.6 mm thick 'D' quality, galvanized as per IS 277 with zinc of 120 GSM) primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint, of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer. Section for outer frame should be 46 x 52 mm, section for shutter should be 46 x 46 mm, section for mullion should be 46x70 mm, and section for beading should be 18x25 mm and section for louvered ventilator should be 33x57 mm Box section. The windows should be panelled with 5 mm thick plain float glass & 4 mm pinhead glass for ventilators with Ethyl propylene Diamine monomer Gasket (EPDM). The sections are to be cut to length, mitre joined with corner bracket and centre mullions are to be fixed using mullion cap. Handle made of high grade aluminium powder coated and nylon receiver. Gaskets made of Ethyl propylene Diamine monomer(EPDM). Corner brackets made of CRCA with Zinc phosphate. Mullion caps made of glass filled nylon. The above frames should be fixed to the concrete / masonry wall by means of self expanding screws. Including 10 mm square bars with 6" pitch complete finished item of work including all taxes.		
751	BMT-P.34	<b>WINDOWS</b> Single shutter 2'0x4'0(609.6x1219.2 mm) Outer frame section size of 46x52 mm shutter frame section size of 46x46mm	1 Sqm	5215.00
752	BMT-P.35	<b>WINDOWS</b> Double shutter 3'- 0" X 4' – 0" (914.4MM X 1219.2MM) outer frame section size of 46x52 mm shutter frame section size of 46x46 mm	1 Sqm	5215.00



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
753	BMT-P.36	<b>WINDOWS</b> Double shutter 3'-0" x 4'-0" (914.4mm x 1219.2 mm) outer frame section size of 46 x 52 mm shutter frame section size of 46x46 mm mullion section size of 46 x 70 mm	1 Sqm	<b>5527.00</b>
754	BMT-P.37	<b>WINDOWS</b> Double shutter 4' - 0" x 4' - 0" (1219.2x1219.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm	1 Sqm	<b>5379.00</b>
755	BMT-P.38	<b>WINDOWS</b> Double shutter 4'-0" x 4'-0" (1219.2x1219.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm mullion section size of 46 x 70mm	1 Sqm	<b>5215.00</b>
756	BMT-P.39	<b>WINDOWS</b> Double shutter 4'-6" x 4'-6" (1371.6 x 1371.6mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46mm Mullion section size of 46 x 70 mm	1 Sqm	<b>4927.00</b>
757	BMT-P.40	<b>WINDOWS</b> Centre fixed both side openable shutter 5'-0" x 4'-0" (1524x1219.2mm) outer frame section size of 46x52 mm shutter frame section size of 46 x 46 mm mullion section size of 46 x 70 mm fixed beading section size of 18 x 25mm	1 Sqm	<b>4927.00</b>
758	BMT-P.41	<b>WINDOWS</b> Centre fixed both side openable shutter 6'-0" x 4'-0" (1828.8 x 1219.2 mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm mullion section size of 46 x 70 mm fixed beading section size of 18 x 25mm	1 Sqm	<b>4927.00</b>
759	BMT-P.42	<b>WINDOWS</b> Centre fixed both side openable shutter 6'-0" x 4'-6" (1828.8 x 1371.6 mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm mullion section size of 46 x 70 mm fixed beading section size of 18 x 25mm	1 Sqm	<b>4927.00</b>
760	BMT-P.43	<b>Ventilators</b> : Top hung 2' - 0" x 2' -0" (609.6 x 609.6mm) outer frame section size of 46 mm x 52mm shutter frame section size of 46mm x 46mm	1 Sqm	<b>5740.00</b>
761	BMT-P.44	<b>Ventilators</b> : Top hung 4'-0" x 2'-0" (1219.2 x 609.6mm) outer frame section size of 46 x 52 m shutter frame section size of 46x46mm mullion section size of 46 70 mm	1 Sqm	<b>5740.00</b>
762	BMT-P.45	<b>Ventilators</b> : Top hung 4'-0" x 3'=0" ( 1219.2 x 914.4mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm mullion section size of 46 x 70mm	1 Sqm	<b>5740.00</b>
763	BMT-P.46	<b>Ventilators</b> : Fixed louvers 2'-0" x 2'-0"(609.6x 609.6mm)(Box section) outer frame section size of 33x57mm	1 Sqm	<b>3929.00</b>
764	BMT-P.47	<b>Ventilators</b> : Fixed louvers 4'-0" x 2'-0" (1219.2 x 609.6mm) ) (Box section) outer frame section size of 33x57mm mullion section size of 33 x 57	1Sqm	<b>3929.00</b>
765	BMT-P.48	<b>Ventilators</b> : Fixed lovers 4'-0" x 3'-0" (1219.2 x 914.4 mm) (Box section) outer frame section size of 33 x 57 mm mullion section size of 33 x 57	1 Sqm	<b>3929.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		<b>ELIXIR E 1000 SERIES OR EQUIVALENT WINDOWS (SUITABLE FOR RESIDENTIAL BUILDINGS WITH GRILL PROVISION)</b> Providing and fixing of windows made of pre-painted steel (base steel as per IS 513 of 0.6mm thick galvanized as per IS 277 with zinc of 120 GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkylid backer. Section for outer frame should be of 48x50mm, centre mullion should be of 48x50mm, section for shutter should be of 47x20mm and fixed glass beading section should be of 12x12mm. Outer frame and mullions to have rebate for glazed shutter and a 20mm provision for guard bars/grills. The sections are to be cut to length meter joined with corner bracket. Centre mullion is to be fixed with mullion cap. Handle, 2 nos of stainless steel heavy duty pivot hinges shall be provided for shutter. The window should be panelled with 5mm thick plain float glass. Rubber gaskets are provided all around the glass. The above frames should be fixed to the concrete/masonry wall by means of self expanding screws, including 10mm square guard bars with 6" (152.4 mm) pitch etc., complete for finished item of work including of all taxes.		
766	BMT-P.49	Single shutter window 2'0"x4'0" (609.6mm x 1219.2mm).outer frame section size of 48x50mm shutter frame section size of 47x20mm.	1 Sqm	<b>4777.00</b>
767	BMT-P.50	Double shutter window with vertical mullion 3'0" x 4'0" (914.4mm x 1219.2mm) outer frame section size of 48x50mm shutter frame section size of 47x20mm. mullion section size of 48x50mm	1 Sqm	<b>5087.00</b>
768	BMT-P.51	Double shutter window with vertical member 4'0" x 4'0" (1219.2mm x 1219.2 mm) outer frame section size of 48x50mm shutter frame section size of 47x20mm and mullion section should be of 48x50mm	1 Sqm	<b>5087.00</b>
769	BMT-P.52	Centre fixed both side openable shutter window 5'0"x4'0" (1524mm x 1219.2mm). Outer frame section size of 48x50mm. Shutter frame section size of 47x20mm. Mullion section size of 48x50mm. Fixed beading section size of 12x12mm.	1 Sqm	<b>4488.00</b>
770	BMT-P.53	Centre fixed both side openable shutter window 6'0"x4'0" (1828.8mm x 1219.2mm). outer frame section size of 48x50mm. shutter frame section size of 47x20mm. Mullion section size of 48x50mm. Fixed beading section size of 12x12mm.	1 Sqm	<b>4488.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		ELIXIR E-2000 SERIES, OR equivalent WINDOWS (SUITABLE FOR RESIDENTIAL BUILDINGS WITH GRILL & FLYMESH PROVISION) Providing & fixing of windows made of pre-painted steel (Base steel as per IS 513 of 0.6mm thick galvanized as per IS 277 with zinc of 150 GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer. Section for outer frame should be of 72x55mm, centre mullion should be of 72x50mm, section for fixed glass beading should be of 12x12mm and section for shutter should be of 47x20mm. Outer frame & mullion sections to have rebate for glazed shutters, fly mesh and 20 mm provision for guard bars/ grills fly mesh shutter section should be of 20x40mm. The sections are to be cut to length m1 Sqm joined with corner bracket. Centre mullions to be fixed with mullion cap. Elixir or equivalent stay, handles latch 2nos of heavy duty stain less steel pivot hinges shall be provided per shutter. The windows should be panelled with 5 mm thick plain float glass and S.S. Mesh for fly mesh shutter (304 grade). Rubber Gaskets are provided all around the glass. The above frames should be fixed to the concrete/masonry wall by means of self expanding screws. Including 10mm square guard bars with 6" (152.4mm) pitch, complete for finished item of work including of all taxes.		
771	BMT-P.54	Single shutter window 2'0"x4'0" (609.6mm x 1219.2mm). Outer frame section size of 72x50mm shutter frame section size of 47x20mm.	1 Sqm	6342.00
772	BMT-P.55	Double shutter window with vertical mullion 3'0" x 4'0" (914.4mm x 1219.2mm) outer frame section size of 72x50mm shutter frame section size of 47x20mm. Mullion section size of 72x50mm.	1 Sqm	6651.00
773	BMT-P.56	Double shutter window with vertical mullion 4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame section size of 72x50mm shutter frame section size of 47x20mm and mullion section should be of 72x50mm.	1 Sqm	6651.00
774	BMT-P.57	Centre fixed both side openable shutter window 5'0"x4'0" (1524mm x 1219.2mm).outer frame section size of 72x50mm. Shutter frame section size of 47x20mm and mullion section size of 72x50mm. Fixed beading section size of 12x12mm.	1 Sqm	6055.00
775	BMT-P.58	Centre fixed both side openable shutter window 6'0" x 4'0" (1828.8mm x 1219.2mm). Outer frame section size of 72x50mm.shutter frame section size of 72 x 50mm. Fixed beading section size of 12x12mm.	1 Sqm	5265.00
776	BMT-P.59	Supply & fixing of fly mesh shutters of size 20x40mm fly proof mesh with std. Spn (S.S) fly mesh including cost and conveyance of all materials, and labour charges etc. Complete for finished item of work including of all taxes. : Single shutter 2'-0" x 4'-0" ( 609.6 x 1219.2mm) Shutter section size 20 x 40mm	1 Sqm	1037.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
777	BMT-P.60	Supply & fixing of fly mesh shutters of size 20x40mm fly proof mesh with std. Spn (S.S) fly mesh including cost and conveyance of all materials, and labour charges etc. Complete for finished item of work including of all taxes. Double shutter 3'-0" x 4'-0" (914.4 x 1219.2mm) shutter section size 20 x 40mm	1 Sqm	1037.00
778	BMT-P.61	Supply & fixing of fly mesh shutters of size 20x40mm fly proof mesh with std. Spn (S.S) fly mesh including cost and conveyance of all materials, and labour charges etc. Complete for finished item of work including of all taxes. Double shutter 4'-0" x 4'-0" (1219.2 x 1219.2mm) shutter section size 20 x 40mm	1 Sqm	1037.00
779	BMT-P.62	Supply & fixing of fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work including of all taxes. Single shutter 2'-0" x 4'-0" (609.6 x 1219.2mm) shutter section size 20 x 40mm	1 Sqm	894.00
780	BMT-P.63	Supply & fixing of fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work including of all taxes. Double shutter 3'-0" x 4'-0" ( 914.4 x 1219.2mm) shutter section size 20 x 40 mm	1 Sqm	894.00
781	BMT-P.64	Supply & fixing of fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work including of all taxes. Double shutter 4'-0" x 4'-0" (1219.2 x 1219.2 mm) shutter section size 20 x 40 mm	1 Sqm	894.00
782	BMT-P.65	ELIXIR or equivalent Supply and fixing fly mesh window with sections made of pre painted steel (Base steel as per IS 513 of 'D' quality, Galvanized as per IS 277 with zinc of 120 GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12 to 16 microns thick and back coated with 5-7 microns thick alkyd baker with total coated thick ness of 0.6 mm for shutter frame and 0.8 for outer frame. Section for outer frame should be of 30x30mm and fly mesh shutter section should be of 20x40mm outer frame sections to have rebate for fly mesh shutters. The sections are to be cut to length metre jointed with corner bracket. Aluminium 'T' section of double shutter & above. The mesh is of ss for fly mesh shutter (304 grade) and EPD gasket is provided for fixing up the fly mesh. The above frames should be fixed to the concrete/ masonry wall by means of left expending screws. Elixir latch, 2 nos of heavy duty GI pivot hinges shall be provided per shutter (304 grade). All taxes complete for finished item of work.	1 Sqm	4200.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
783	BMT-P.66	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows <b>two track sliding - 62-Series</b> duly manufactured using UPVC reinforced profiles of 62 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 38 mm x 2.25 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/Polywood/ Sintex/NCL/Fenesta etc)	1 Sqm	<b>5424.00</b>
784	BMT-P.67	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows <b>three track - only two glass shutters sliding - 80-Series</b> duly manufactured using UPVC reinforced profiles of 80 mm x 52 mm x 2.25 mm for outer frames, 54 mm x 38 mm x 2.25 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/ Polywood/ Sintex / NCL/ Fenesta etc)	1 Sqm	<b>5341.00</b>
785	BMT-P.68	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows <b>three track - two glass shutters sliding and one mesh shutter - 80-Series</b> duly manufactured using UPVC reinforced profiles of 80 mm x 52 mm x 2.25 mm for outer frames, 54 mm x 38 mm x 2.25 mm for sliding shutter frames capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter frame shall be 52 mm x 21.5 mm x 2 mm fitted with nylon/ polymer mesh on rollers/ pulley duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials,	1 Sqm	<b>5946.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/ Polywood/ Sintex / NCL/ Fenesta etc)		
786	BMT-P.69	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows <b>openable shutters - 48-Series</b> duly manufactured using UPVC reinforced profiles of 48 mm x 60 mm x 2.25 mm for outer frames, 64 mm x 60 mm x 2.25 mm for mullion sections for two or more openable shutters and 78 mm x 60 mm x 2.25 mm for outward openable shutter frame or 70 mm x 60 mm x 2.25 mm for inward openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/ Polywood/ Sintex / NCL/ Fenesta etc)	1 Sqm	<b>5765.00</b>
787	BMT-P.70	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows <b>openable shutters - 60 -Series</b> duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.25 mm for outer frames, 70 mm x 60 mm x 2.25 mm for mullion sections for two or more openable shutters 70 mm x 60 mm x 2.25 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant and accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/ Polywood/ Sintex / NCL/ Fenesta etc)	1 Sqm	<b>6282.00</b>
788	BMT-P.71	DELETED	1 Sqm	
789	BMT-P.72	DELETED	1 Sqm	

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
790	BMT-P.73	Galvanized powder coated Casement Windows of ROSHINI make with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 60x50mm, centre for mullion of 62x50mm, section for shutter of 52 x 22 mm, outer frame and mullions to have one side rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and window frames fixing to the concrete/masonry wall arrangement with self expanding screws, complete for finished item of work including of all taxes - 1220 x 1372 or below size	1 Sqm	<b>4767.40</b>
791	BMT-P.74	Galvanized powder coated Casement Windows of ROSHINI make with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 60x50mm, centre for mullion of 62x50mm, section for shutter of 52 x 22 mm, outer frame and mullions to have one side rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and window frames fixing to the concrete/masonry wall arrangement with self expanding screws, complete for finished item of work including of all taxes - 1530 x 1372 or above size	1 Sqm	<b>4271.30</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
792	BMT-P.75	Galvanized powder coated Casement Windows of ROSHINI make with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 88x50mm, centre for mullion of 62x88 mm, section for glass and fly-proof mesh shutter of 52 x 22 mm, outer frame and mullions to have two sides rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 Nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and fly-proof mesh of SS 304 grade fixed with 18 mm x 12 mm BT wood beading and window frames fixing arrangement to the concrete/masonry wall with self expanding screws, complete for finished item of work including of all taxes - 1220 x 1372 or below size	1 Sqm	5989.50
793	BMT-P.76	Galvanized powder coated Casement Windows of ROSHINI make with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 88x50mm, centre for mullion of 62x88 mm, section for glass and fly-proof mesh shutter of 52 x 22 mm, outer frame and mullions to have two sides rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 Nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and fly-proof mesh of SS 304 grade fixed with 18 mm x 12 mm BT wood beading and window frames fixing arrangement to the concrete/masonry wall with self expanding screws, complete for finished item of work including of all taxes - 1530 x 1372 or above size	1 Sqm	5505.50



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
794	BMT-P.77	NCL or equivalent only Mesh Window: Providing & Fixing of Mesh windows made of pre-painted steel (Base Steel as per IS 513 of 0.58mm thick galvanized as per IS 277 with zinc of 120 GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer. Section for outer frame should be of 47x36mm, centre mullion should be of 60x36mm, section mesh beading should be 18x6mm and Fly mesh shutter section should be of 20x40mm. The sections are to be cut to length meter joined with corner bracket. Centre mullions are to be fixed with mullion cap, seccolor handles, seccolor latch, 2 Nos of heavy duty stainless steel pivot hinges shall be provided per Shutter. S.S. Mesh for fly mesh shutter (304 grade). The above frames should be fixed to the concrete/masonry wall by means of self expanding screws complete for finished item of work.	1 Sqm	3650.00
795	BMT-P.78	Providing & fixing "RAJSHRI" or equivalent White colour Rigid PVC window frame and shutter with single rebate. Window frame section shall be 50 x35, Centre mullion 50x47 mm and the shutter shall be 25 mm thick. The frame work is made out of M.S. Tube of 19 gauge of size 15x 15mm and solid PVC Section made from 4 mm thick (3.75 mm PVC foam sheet laminated with .25 mm rigid PVC sheet). The window shutter shall be 25 mm thick with heat moulded PVC "C" section of size 50x25x25mm forming rails & stiles. The shutter shall be reinforced with M.S.Tube of 19 gauge of size 15 X15mm and solid PVC Section made from 4 mm thick (3.75mm PVC foam sheet laminated with .25 mm rigid PVC sheet) suitably joined with solvent cement. In the shutter 4 mm thick glass panel will be fixed with Aluminium handles, tower bolts, hinges and stopper shall be fixed complete as per direction of Engineer in-charge and manufacturers specification. (All sizes with openable shutters)	1 Sqm	3900.00
796	BMT-P.79	Providing & fixing " Rajshri " or equivalent White Colour Rigid PVC window frame and DOUBLE shutter (glass & mesh). The frame section shall be 42 x 115mm made out of M.S.Tube of 19 gauge 15 x 15mm and solid PVC section made from 4mm thick (3.75 mm foam sheet laminated with 0.25mm rigid PVC sheet Suitably joined using PVC solvent cement. The window shutter shall be 25mm thick with heat moulded PVC 'C' section of size 50 x 25x 50mm forming rails & stiles. The shutters shall be reinforced with M.S.Tube of 19 gauge 15 x 15mm. Glass and wire mesh will be fitted externally in the clear space available between stiles and rails and fixed with PVC beading of size 23mm x 16mm complete as per direction of Engineer in charge and manufacturers specification (All sizes with openable shutters)	1 Sqm	6800.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
797	BMT-P.80	Providing and fixing NCL COMPOSITE SLIDING WINDOW fabricated from roll formed sections made of Galvanized Steel colour Coated/Powder Coated (Base Steel as per IS 513 "D" quality, Galvanized as per IS 277 with Zinc of 120 grams /Sq.Mtr.) with total coated thickness of 0.60mm. Powder Coated with pure Polyester Powder up to 50-60 microns thick. Section for external frame bottom should be of 68 x 25mm (Aluminium), External frame sides & Top should be of 68x25mm (Aluminium), Section for shutter should be of 60x23mm, and Lap Strip should be of 30x7.5mm (uPVC). The frame section should be cut to length and mitre joined with L-bracket & Shutter Sections should be cut to length and mitre joined with Corner bracket. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass in shutter. Corner bracket for external frame made of Al 'L'-Angle, Corner Bracket for internal frame made of Polypropylene, Crescent Latch, Rollers, & EPDM Gaskets for shutters, wool pile for lap strip, Bump Stop Base & Rubber for shutter stopper. Shutter should be provided with a glass of 5mm Plain Float Glass. Window Frame should be fixed to brick/concrete masonry by using Nylon self-expanding caps and driving MS electroplated 80mm long screws into the caps through frames. 10mm square guard bars with 6" pitch centre to centre (152.4mm) and all Taxes completed for finished item of work	1 Sqm	4848.00
		Elixir Premium Series SLIDING WINDOWS (2 Shutters) or Equivalent Sliding Windows (Suitable for residential and non residential buildings): Providing and fixing of Sliding Windows made of Galvanized Steel (Base Steel as per IS 513, D quality, galvanized as per IS 277 with Zinc of 120 GSM). The factory made section should be powder coated with Pure polyester powder upto 50-60 microns thick with total coated thickness of 0.8 mm for Outer Frame and 0.58mm thickness for Sliding Shutter Section. The Outer Frame size for Two Tracks with Grill provision is 90mm x 50mm and without grill provision is of 75mm x 50 mm. The Window Shutter section is of 58 mm x 36 mm. The Outer Frame should have Two integrated Guide tracks of 12mm width and 24mm deep for provision to slide the Shutter / sash frame and facilitates with a water drain outlet component made of PVC. The Shutter frame should be fitted with 5mm thick plain float glass of reputed make and fixed with EPDM weathering seal resistant accessories and handle made of Aluminium 1 No. per each shutter. The sections are to be cut to length miter joined with corner brackets. The total window system is to be installed at the site using anchor fasteners, Silicon sealant applied at the Outer Frame Corners. The cost is inclusive of conveyance of all materials accessories, labour charges, and erection at site with complete finished item of work.		
798	BMT-P.81	Window with Two Sliding Shutters and without Grill Outer Frame Size 75 mm x 50 mm.	1 Sqm	4950.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
799	BMT-P.82	Window with Two Sliding Shutters and with Grill Outer Frame Size 90 mm x 50 mm have a rebate of 15mm x 5 mm to fit grill made of 10mm MS Sq Rods for horizontal bars welded at a regular pitch of 150mm to 12mm x 6 mm MS flat.	1 Sqm	5490.00
		Elixir Premium Series SLIDING WINDOWS (3 Shutters) or Equivalent Sliding Windows (Suitable for residential and non residential buildings): Providing and fixing of Sliding Windows made of Galvanized Steel (Base Steel as per IS 513, D quality, galvanized as per IS 277 with Zinc of 120 GSM). The factory made section should be powder coated with pure polyester powder upto 50-60 microns thick with total coated thickness of 0.8 mm for Outer Frame and 0.58mm thickness for Sliding Shutter Section. The Outer Frame size for Two Tracks with Grill provision is 105mm x 50mm and without grill provision is of 90 mm x 50 mm. The Window Shutter section is of 58 mm x 36 mm. The Outer Frame should have Two integrated Guide tracks of 12mm width and 24mm deep for provision to slide the Shutter / sash frame and facilitates with a water drain outlet component made of PVC. The Shutter frame should be fitted with 5mm thick plain float glass of reputed make and fixed with EPDM weathering seal resistant accessories and handle made of Alumimium 1 No. per each shutter. The sections are to be cut to length miter joined with corner brackets. The total window system is to be installed at the site using anchor fasteners, Silicon sealant applied at the Outer Frame Corners. The cost is inclusive of conveyance of all materials accessories, labour charges, and erection at site with complete finished item of work.		
		Window with 3 shutters (center fixed shutter / Center sliding shutter / center Fly mesh shutter) and with Grill Window made of Outer Frame of Size 105 mm x 50 mm. Grill made of 10mm MS Square Rods for horizontal bars at a regular pitch of 150mm welded to MS flat of 12 mm x 6 mm.		
800	BMT-P.83	i) Center Shutter Fixed: center shutter frame made of section with size 20mm x 47mm should be fitted with 5mm thick plain float glass of reputed make, EPDM gasket all around the glass and fixed to the Outer Frame with the supporting section of size 29mm x 20mm of 0.58mm thick fixed horizontally on top and bottom of the shutter frame.	1 Sqm	5800.00
801	BMT-P.84	ii) Center Shutter Sliding: center shutter frame made of section of size 20mm x 47mm should be fitted with 5 mm thick plain float glass of reputed make. The supporting guide section of size 15mm x 19mm of 0.58mm thick fixed horizontally at top and bottom of shutter frame and slides along the bottom and top guide tracks made of sections size 24mm x 20mm of 0.58mm thick and 29mm x 20mm of 0.58mm thick.	1 Sqm	6350.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
802	BMT-P.85	iii) Center Fly mesh Shutter Sliding: Section for Fly mesh Shutter frame should be of size 20mm x 40mm of 0.58mm thick and fitted with SS mesh (304 Grade). The supporting guide section of size 29mm x 20mm of 0.58mm thick at the bottom and 15mm x 19mm of 0.58mm thick at the top fixed horizontally to the Fly mesh frame and slides along the bottom and top guide tracks made of sections size 20mm x 20mm of 0.58mm and 29mm x 20mm of 0.58mm.	1 Sqm	6350.00
		Window with 3 shutters (Center fixed shutter / Center sliding shutter / center Fly mesh shutter) and without Grill Window made of Outer Frame of size 90mm x 50mm.		
803	BMT-P.86	i) Center Shutter Fixed: center shutter frame made of section with size 20mm x 47mm of 0.58mm thick should be fitted with 5mm thick plain float glass of reputed make, EPDM gasket all around the glass and fixed to the Outer Frame with the supporting section of size 29mm x 20mm of 0.58mm thick fixed horizontally on top and bottom of the shutter frame.	1 Sqm	5200.00
804	BMT-P.87	ii) Center Shutter Sliding: center shutter frame made of section with size 20mm x 47mm of 0.58mm thick should be fitted with 5 mm thick plain float glass of reputed make. The supporting guide section of size 15mm x 19mm of 0.58mm thick fixed horizontally at top and bottom of shutter frame and slides along the bottom and top guide tracks made of sections size 24mm x 20mm of 0.58mm thick and 29mm x 20mm of 0.58mm thick.	1 Sqm	5690.00
805	BMT-P.88	iii) Center Fly mesh Shutter Sliding: Section for Fly mesh shutter frame should be of size 20mm x 40mm and fitted with SS mesh (304 Grade). The supporting guide section of size 29mm x 20mm of 0.58mm thick at the bottom and 15mm x 19mm of 0.58mm thick at the top fixed horizontally to the Fly mesh frame and slides along the bottom and top guide tracks made of sections size 20mm x 20mm of 0.58mm thick and 29mm x 20mm of 0.58mm thick.	1 Sqm	5690.00
Q		STRUCTURAL GLAZING		
806	BMT-Q.01	ELIXIR or equivalent Structural Glazing: Providing and Fixing Structural Glazing fabricated from Roll formed sections made of Pre-painted Steel / Powder coated (Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 Gm/Sqm) with total coated thickness of 0.72mm. The glass holding section made of 304 grade stainless steel of 0.6mm thick as per the design requirement & calculations as given in IS: 875. Primer coat with epoxy primer of 5 – 7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick. The vertical section should be of 50mm x 100mm x 0.72mm, 33mm x 58mm x 0.72mm for frame horizontal section, stiffener section should be 48mm x 98mm x 1mm, cover profiles sections should be of 20mm x 58mm x 0.58mm, Glass holding section should be of 37mm x 37mm & 37mm x 18mm. Including 5mm thick Ocean Blue reflective glass. Brackets made of CRCA powder coated/Electroplated	1 Sqm	6040.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		should be used to connect vertical to horizontal, vertical to slab, to fix verticals at top & bottom as per site requirement. Gasket made of Ethyl Propylene Diamine Monomer. Natural cure, with Good U.V. Resistance Silicon to be used. Wall fixing of sections to concrete/masonry wall should be with self-expanding cap & screws. The rate is inclusive of cost and conveyance of all materials to site, all labour charges, incidental charges, cost of all consumables etc. and scaffolding charges, form work etc. complete for finished item of work.		
807	BMT-Q.02	ELIXIR or equivalent Top Hung in Structural Glazing: Providing and Fixing Top Hung shutters in Structural Glazing fabricated from Roll formed sections made of Pre-painted Steel / Powder coated (Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 Gm/Sqm) with total coated thickness of 0.72mm. The glass holding section made of 304 grade stainless steel of 0.6mm thick. Galvanized steel sections are to be used as stiffeners inside the colour coated steel/powder coated sections as per the design requirement. Design calculations are made to suit wind pressures as given in IS 875. Primer coat with epoxy primer of 5-7 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick. The outer frame should be of 20mm x 58mm x 0.6mm, Shutter section should be of 58mm x 33mm x 0.72 mm, stiffener section should be 56mm x 31mm x 1mm. EARL Bihari Hinges – 2 Nos for each shutter and Aluminium Stays – 2 Nos. for each shutter, Aluminium Handle – 1 no. for each shutter. The rate is inclusive of cost and conveyance of all materials to site, all labour charges, incidental charges, cost of all consumables etc. and scaffolding charges, form work etc. complete for finished item of work	1 Sqm	4883.00
808	BMT-Q.03	ELIXIR or equivalent Supply and fixing of curtain Glazing made of pre painted steel (base steel as per IS 513 of 0.6 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM) Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12- 16 microns thick and back coated with 5-7 microns thick alkyd backer. Section for outer frame should be 46 x 52 mm, section for mullion should be 46 x 70 mm and section for beading should be 18 x 25 mm. The Glazing should be panelled with 5 mm thick plain float Glass with Ethyl Propylene diameine Monomer (EPDM) Gaskets. The sections are to be cut to length, mitre joined with corner bracket. Centre mullions are to be fixed suing mullion cap. Handle made of high grade Aluminium powder coated and nylon receiver. Gaskets made of Ethyl propylene Diamine Monomer (EPDM) Corner brackets made of CRCA with zinc phosphating. Mullion caps made of Glass filled nylon. The above frames should be fixed to the concrete / masonry wall be means of self expanding screws. & complete for finished item.- Fixed Glazing 2'-0" x 2'-0" (609.6x609.6mm) grid outer frames section size of 46 x 52 mm		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
809	BMT-Q.04	Mullion section size of 46 x 70mm Beading section size of 18 x 25 mm - Fixed Glazing 2'-0" x 3'-0" (609.6x914.4mm) grid outer frame section size of 46 x 52 mm	1 Sqm	<b>4963.00</b>
810	BMT-Q.05	Mullion section size of 46 x 70mm Beading section size of 18 x 25 mm Fixed Glazing 3'-0" x 3'-0" (914.4x914.4mm) grid outer frame section size of 46 x 52 mm	1 Sqm	<b>4224.00</b>
811	BMT-Q.06	Mullion section size of 46 x 70mm Beading section size of 18 x 25 mm Fixed Glazing 3'-0" x 4'-0" (914.4x1219.2mm) grid outer frame section size of 46 x 52 mm	1 Sqm	<b>4224.00</b>
812	BMT-Q.07	NCL or equivalent Structural Glazing: Providing and Fixing Structural Glazing fabricated from Roll formed sections made of Pre-painted Steel / Powder coated (Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 Gm/Sqm) with total coated thickness of 0.72mm. The glass holding section made of 304 grade stainless steel of 0.6mm thick as per the design requirement & calculations as given in IS: 875. Primer coat with epoxy primer of 5 – 7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick. The vertical section should be of 50mm x100mm x 0.72mm, 33mm x 58mm x 0.72mm for frame horizontal section, stiffener section should be 48mm x 98mm x 1mm, cover profiles sections should be of 20mm x 58mm x 0.58mm, Glass holding section should be of 37mm x 37mm & 37mm x 18mm. Including 5mm thick Ocean Blue reflective glass. Brackets made of CRCA powder coated/Electroplated should be used to connect vertical to horizontal, vertical to slab, to fix verticals at top & bottom as per site requirement. Gasket made of Ethyl Propylene Diamine Monomer. Natural cure, with Good U.V. Resistance Silicon to be used. Wall fixing of sections to concrete/masonry wall should be with self-expanding cap & screws. The rate is inclusive of cost and conveyance of all materials to site, all labour charges, incidental charges, cost of all consumables etc. and scaffolding charges, form work etc. complete for finished item of work.	1 sqm	<b>5516.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
813	BMT-Q.08	NCL or equivalent Top Hung in Structural Glazing: Providing and Fixing Top Hung shutters in Structural Glazing fabricated from Roll formed sections made of Pre-painted Steel / Powder coated (Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 Gm/Sqm) with total coated thickness of 0.72mm. The glass holding section made of 304 grade stainless steel of 0.6mm thick. Galvanized steel sections are to be used as stiffeners inside the colour coated steel/powder coated sections as per the design requirement. Design calculations are made to suit wind pressures as given in IS 875. Primer coat with epoxy primer of 5-7 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick. The outer frame should be of 20mm x 58mm x 0.6mm, Shutter section should be of 58mm x 33mm x 0.72 mm, stiffener section should be 56mm x 31mm x 1mm. EARL Bihari Hinges – 2 Nos for each shutter and Aluminium Stays – 2 Nos. for each shutter, Aluminium Handle – 1 no. for each shutter. The rate is inclusive of cost and conveyance of all materials to site, all labour charges, incidental charges, cost of all consumables etc. and scaffolding charges, form work etc. complete for finished item of work	1 sqm	<b>4437.00</b>
814	BMT-Q.09	Supply and fixing of curtain Glazing made of pre painted steel (base steel as per IS 513 of 0.6 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM) Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12- 16 microns thick and back coated with 5-7 microns thick alkyd backer. Section for outer frame should be 46 x 52 mm, section for mullion should be 46 x 70 mm and section for beading should be 18 x 25 mm. The Glazing should be panelled with 5 mm thick plain float Glass with Ethyl Propylene diameine Monomer (EPDM) Gaskets. The sections are to be cut to length, mitre joined with corner bracket. Centre mullions are to be fixed suing mullion cap. Handle made of high grade Aluminium powder coated and nylon receiver. Gaskets made of Ethyl propylene Diamine Monomer (EPDM) Corner brackets made of CRCA with zinc phosphating. Mullion caps made of Glass filled nylon. The above frames should be fixed to the concrete / masonry wall be means of self expanding screws. & complete for finished item.- Fixed Glazing 2'-0" x 2'-0" (609.6x609.6mm) grid outer frames section size of 46 x 52 mm	1 Sqm	<b>4533.00</b>
815	BMT-Q.10	<b>Mullion section size of 46 x 70mm Beading section size of 18 x 25 mm</b> - Fixed Glazing 2'-0" x 3'-0" (609.6x914.4mm) grid outer frame section size of 46 x 52 mm	1 sqm	<b>4533.00</b>
816	BMT-Q.11	<b>Mullion section size of 46 x 70mm Beading section size of 18 x 25 mm</b> Fixed Glazing 3'-0" x 3'-0" (914.4x914.4mm) grid outer frame section size of 46 x 52 mm	1 sqm	<b>3857.00</b>
817	BMT-Q.12	<b>Mullion section size of 46 x 70mm Beading section size of 18 x 25 mm</b> Fixed Glazing 3'-0" x 4'-0" (914.4x1219.2mm) grid outer frame section size of 46 x 52 mm	1 sqm	<b>3857.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
818	BMT-Q.13	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) <b>Curtain Walling systems</b> duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.5 mm for outer frames, 60 mm x 70 mm x 2.5 mm for casement shutter frames and the mullion sections are of 60 mm x 70 mm x 2.5 mm or 60 mm x 62 mm x 2.5 mm for sliding shutter outer frames and 77 mm x 38 mm x 2.5 mm for sliding shutter frames structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant and accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation for sliding window - clipping locking system 1 No. made of aluminium including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/Polywood/Sintex/NCL/Fenesta etc)		<b>6150.00</b>
819	BMT-Q.14	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) <b>Fixed Glazing - 48 series</b> duly manufactured using UPVC reinforced profiles of 60 mm x 48 mm x 2.25 mm for outer frames and the mullion sections are of 60 mm x 76 mm x 2.25 mm frames are structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/Polywood/ Sintex/NCL/Fenesta etc - up to 6'-0" 6'-0" opening sizes)	1 Sqm	<b>2887.00</b>
820	BMT-Q.15	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) <b>Fixed Glazing - 56 series</b> duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.25 mm for outer frames and the mullion sections are of 60 mm x 70 mm x 2.25 mm frames are structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work (Elgi/Polywood/ Sintex/NCL/Fenesta etc - up to 6'-0" 6'-0" opening sizes)	1 Sqm	<b>3450.00</b>
S		A. DISMANTLING clearing away and carefully stacking materials useful for reuse.		
821	BMT-S.01	Stone masonry in cement mortar	1 Cum	<b>239.00</b>
822	BMT-S.02	Terracing work in roofs or floors	10 Sqm	<b>99.00</b>
823	BMT-S.03	Flat stones in roof or floors including lifting	10 Sqm	<b>83.00</b>
824	BMT-S.04	Pan tiled or Mangalore tiled roof without roof timbers.	10 Sqm	<b>75.00</b>



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
825	BMT-S.05	Flat and pan tiles or Mangalore tiles over flat tiles without roof timbers	10 Sqm	<b>83.00</b>
826	BMT-S.06	Wrought and framed timber in roofs or floors	1 Cum	<b>125.00</b>
827	BMT-S.07	Old lime mortar plaster	10 Sqm	<b>26.00</b>
828	BMT-S.08	Old cement mortar plaster	10 Sqm	<b>29.00</b>
829	BMT-S.09	Dry rough stone revetment for aprons and stacking within 40 M lead	1 Cum	<b>40.00</b>
830	BMT-S.10	Revetment for aprons and stacking grouted within 40 lead	1 Cum	<b>29.00</b>
831	BMT-S.11	Kadapa slabs or Shahabad stone slabs flooring on sand bed	10 Sqm	<b>42.00</b>
832	BMT-S.12	Through scraping of old plastered surface	10 Sqm	<b>26.00</b>
833	BMT-S.13	Washing of plastered surface with soap, soda and water (or with soda lime and water)	10 Sqm	<b>9.00</b>
834	BMT-S.14	clean removal of lime plaster from walls and raking out joints 20mm deep or from terraced roof and raking out joints 100 mm deep	10 Sqm	<b>27.00</b>
835	BMT-S.15	Clean removal of cement plaster from walls and raking out joint 200 mm deep	10 Sqm	<b>28.00</b>
T		READY MIX CONCRETE		
		Supply and placing of the Ready Mix Concrete as per IS-4926:2003 of following grades with minimum cement content as per IS-456:2000 and Standard Mix Design as per IS-10262:1982 with coarse aggregate of nominal size 20 mm and fine aggregate of Zone-II as per the Mix Design approved by the Department from standard suppliers including cost and conveyance, vertical pumping up to 5 floors/ horizontal pumping up to 60.0 M for buildings/ pavements etc., works for basic cost excluding levelling, grading, spreading, curing, centring, vibrating, compacting, finishing etc as required		
836	BMT-T.01	RMC - M -10 (CEMENT CONTENT - 220 Kgs)	1 Cum	<b>2695.00</b>
837	BMT-T.02	RMC - M -15 (CEMENT CONTENT - 280 Kgs)	1 Cum	<b>2970.00</b>
838	BMT-T.03	RMC - M -20 (CEMENT CONTENT - 300 Kgs)	1 Cum	<b>3025.00</b>
839	BMT-T.04	Extra rate for pumping for each additional floor above 5 Floors / for each 12.0 M additional length over 60.0 M for horizontal pumping to be added in the datas	1 cum	<b>30.00</b>
840	BMT-T.05	Extra rate for pumping with Boom Pump up to 24.0 M vertical height from average ground level	1 cum	<b>200.00</b>
		Note: 1. Variation in cement content for mixes other than specified above has to be adjusted in the rates as per the corresponding approved rate of Cement per Kg. 2.For Standard Concrete and High Strength Concretes vide IS-456, rates may be arrived as per the design mixes.		
U		EXPANSION JOINT FILLERS		
841	BMT-U.01	Supply of high performance expansion joint filler board conforming to M.O.S.T "Silflex" Capcell HD-100 - 18 mm THICK	1 Sqm	<b>653.00</b>
842	BMT-U.02	Supply of high performance expansion joint filler board conforming to M.O.S.T "Silflex" Capcell HD-100 - 20 mm THICK	1 Sqm	<b>732.00</b>
843	BMT-U.03	Supply of high performance expansion joint filler board conforming to M.O.S.T "Silflex" Capcell HD-100 - 25 mm THICK	1 Sqm	<b>915.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
844	BMT-U.04	Supply of expansion joint filler board for buildings, columns, beams and slabs "ARMOUR BOARD" SILFILL. 20 mm THICK	1 Sqm	262.00
845	BMT-U.05	Supply of expansion joint filler board for buildings, columns, beams and slabs "ARMOUR BOARD" SILFILL. 25 mm THICK	1 Sqm	327.00
846	BMT-U.06	Supply of expansion joint filler board for buildings, columns, beams and slabs "ARMOUR BOARD" SILFILL. 50 mm THICK	1 Sqm	653.00
847	BMT-U.07	Supply of back up to cold applied sealant in construction and longitudinal joint "back up road" silseal - 10 mm OD	1 RM	10.00
848	BMT-U.08	Supply of back up to cold applied sealant in construction and longitudinal joint "back up road" silseal - 12 mm OD	1 RM	12.00
849	BMT-U.09	Supply of back up to cold applied sealant in construction and longitudinal joint "back up road" silseal - 15 mm OD	1 RM	15.00
850	BMT-U.10	Supply of back up to cold applied sealant in construction and longitudinal joint "back up road" silseal - 20 mm OD	1 RM	21.00
851	BMT-U.11	Supply of back up to cold applied sealant in construction and longitudinal joint "back up road" silseal - 25 mm OD	1 RM	26.00
V		LABOUR CHARGES		
852	BMM-V.01	Bailing out water for earth work excavation /concrete for foundation below water level. (For building items only) - Other than sandy soil - 0.0 M to 1.0 M	1 cum	146.00
853	BMM-V.02	Bailing out water for earth work excavation /concrete for foundation below water level. (For building items only) - Other than sandy soil - 1.0 M to 2.0 M	1 cum	173.00
854	BMM-V.03	Bailing out water for earth work excavation /concrete for foundation below water level. (For building items only) - Other than sandy soil - 2.0 M to 3.0 M	1 cum	201.00
855	BMM-V.04	Bailing out water for earth work excavation / for concrete foundation below water level. (For building items only) Sandy soil - 0.0 M to 1.0 M	1 cum	231.00
856	BMM-V.05	Bailing out water for earth work excavation /for concrete foundation below water level. (For building items only) Sandy soil - 1.0 M to 2.0 M	1 cum	359.00
857	BMM-V.06	Bailing out water for earth work excavation /concrete for foundation below water level. (For building items only) Sandy soil - 2.0 M to 3.0 M	1 cum	434.00
858	BMM-V.07	Labour charges for making, fabricating office furniture, racks, work-station furniture, cup-board shutters to existing cup-boards with ply-wood/ MDF sheets, decolam/ veneer laminations including fixing cutting, making, assembling, fixing hinges, fixing fixtures, fixing locks, pasting sheets/ laminations fixing in position with necessary screws excluding cost of materials, accessories, fittings	1 Sqm	365.00
859	BMM-V.08	Labour charges for making, fabricating kitchen furniture, cup-boards with shutters, box cup-boards, box racks, with ply-wood/ MDF sheets, decolam/ veneer laminations including fixing cutting, making, assembling, fixing hinges, fixing fixtures, fixing locks, pasting sheets/ laminations fixing in position with necessary screws excluding cost of materials, accessories, fittings	1 Sqm	557.00
860	BMM-V.09	Rounding the edges of Kadapa / Shahabad stone slabs of any thickness including polishing the same	1 Rm	63.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
861	BMM-V.10	Half Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same.	1 Rm	191.00
862	BMM-V.11	Full Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same.	1 Rm	248.00
863	BMM-V.12	Machine Cutting charges - for Marble/ Granite slabs up to 50 mm thick by mechanical device.	1 RM	10.00
864	BMM-V.13	Flat nosing to Kadapa/ Shahabad stone slabs of any thick	1 Rm	10.00
865	BMM-V.14	Labour charges for fabricating steel works like Window Grills, Compound Wall Grills, Iron Doors, Windows including cost of welding rods, power charges, excluding cost of fixing in position	1 Kg	16.00
866	BMM-V.15	Labour charges for fixing Iron Doors, Iron Windows and Window Grills in position	1 Kg	3.00
867	BMM-V.16	Labour charges for fabricating all heavy steel works like Trusses, Stanchions, Heavy Beams and Girders including cost of welding rods, power charges, etc excluding cost of fixing in position	1 Kg	14.00
868	BMM-V.17	Labour charges for fixing heavy iron grills, Trusses, Stanchions, Heavy Beams and Girders erecting in position and fixing by using chain pulley blocks, Derek pole arrangements and cranes etc., complete in position	1 Kg	12.00
869	BMM-V.18	Labour charges for Fabrication of stainless steel railing works using stainless steel welding rods including buffing, polishing, lacquer finishing, to present seamless finish	1 Kg	79.00
870	BMM-V.19	Labour charges for Fabrication of stainless steel sheet cladding works using stainless steel welding rods including buffing, polishing, lacquer finishing, to present seamless finish	1 sqm	1058.00
871	BMM-V.20	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Etching works	1 Sqm	576.00
872	BMM-V.21	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Reverse Etching work	1 Sqm	712.00
873	BMM-V.22	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Acid wash works	1 Sqm	890.00
874	BMM-V.23	Labour charges for fixing Flush door shutters of any thickness to the existing door frame including fixing the fixtures to the door shutter excluding cost of shutter	1 Sqm	230.00
875	BMM-V.24	Labour charges for fixing glass panes of any thickness to the existing door / window panes including fixing the beading excluding cost of beading	1 Sqm	173.00
<b>W</b>		<b>MISCELLANEOUS ITEMS</b>		
876	BMS-W.01	Supplying Aluminium anodised Sections for Doors, partitions, windows, Ventilators (including annodization cost)	1 Kg	250.00
877	BMS-W.02	Sun Control film to the glazed windows partition including labour charges.	1 sqm	285.00
878	BMS-W.03	Aluminium Venetian Blinds horizontal 25.4 mm wide with all accessories.	1 sqm	727.00
879	BMS-W.04	Aluminium Venetian Blinds horizontal 20.0 mm wide with all accessories.	1 sqm	693.00
880	BMS-W.05	Venetian blinds Vertical blinds 100 mm wide with all accessories.	1 sqm	1176.00
881	BMS-W.06	Rubber Beading	1 RM	2.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
882	BMS-W.07	S&F of marbled flooring with 2.0 mm thick in rolls.	1 sqm	369.00
883	BMS-W.08	S&F Vinyl Flooring with 1.5 mm thick in rolls	1 sqm	369.00
884	BMS-W.09	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	1 Litre	200.00
885	BMS-W.10	Soft Brush	Each	130.00
886	BMS-W.11	Wire Brush	Each	29.00
887	BMS-W.12	Supplying and fixing aluminium composite cladding of approved make ( <b>Alucopanel, alucobonel, Reynobond, Lennox Durabuid, Alstrong legame, Alpolic, Alcomat, Alshine etc.</b> ) with skin material 0.25 mm thick aluminium sheet cover material natural polyethylene aluminium cladding panel fixed with extruded aluminium basis frame (50x25x1.5mm) angle cleats, weather sealants, rivets, GI brackets all as approved, using suitable bolts on structural steel work including necessary accessories complete in all respects including all scaffolding and labour charges etc., complete for finished item of work but excluding cost of structural steel fabrication, if any, <b>ACP Cladding - 3 mm thk</b>	1 Sqm	2024.00
888	BMS-W.13	Supplying and fixing aluminium composite cladding of approved make ( <b>Alucopanel, alucobonel, Reynobond, Lennox Durabuid, Alstrong legame, Alpolic, Alcomat, Alshine etc.</b> ) with skin material 0.25 mm thick aluminium sheet cover material natural polyethylene aluminium cladding panel fixed with extruded aluminium basis frame (50x25x1.5mm) angle cleats, weather sealants, rivets, GI brackets all as approved, using suitable bolts on structural steel work including necessary accessories complete in all respects including all scaffolding and labour charges etc., complete for finished item of work but excluding cost of structural steel fabrication, if any, <b>ACP Cladding - 4 mm thk</b>	1 Sqm	2207.00
889	BMS-W.14	Supplying and fixing aluminium composite cladding of approved make ( <b>Alucopanel, alucobonel, Reynobond, Lennox Durabuid, Alstrong legame, Alpolic, Alcomat, Alshine etc.</b> ) with skin material 0.5 mm thick aluminium sheet cover material natural polyethylene aluminium cladding panel fixed with extruded aluminium basis frame (50x25x1.5mm) angle cleats, weather sealants, rivets, GI brackets all as approved, using suitable bolts on structural steel work including necessary accessories complete in all respects including all scaffolding and labour charges etc., complete for finished item of work but excluding cost of structural steel fabrication, if any, <b>ACP Cladding - 4 mm thk</b>	1 Sqm	2476.00
890	BMS-W.15	CEMENT JALI - 25 mm thick	1 sqm	189.00
891	BMS-W.16	CEMENT JALI - 40 mm thick	1 sqm	245.00
892	BMS-W.17	CEMENT JALI - 50 mm thick	1 sqm	335.00
893	BMS-W.18	Aluminium sheet 24 Gauge	1 Sqm	262.00
894	BMS-W.19	7.5mm thick Aluminium Grill (as approved by the department) 3.58 Kg/Sqm.	1 Sqm	965.00
895	BMS-W.20	Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1" (25.4 mm ) thick	1 Sqm	805.00
896	BMS-W.21	Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1/2" (12.7 mm ) thick	1 Sqm	461.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		SINTEX OR equivalent SMC SIGN BOARDS: Supply of hot pressed compression moulded SMC sign plates for making road signs as per the approved dimensions of National Highway Authority Of India, complete, for finished item of work.		
897	BMS-W.22	Circular sign plate Dia 400mm.	Each.	506.00
898	BMS-W.23	Circular sign plate Dia 600mm.	Each.	1330.00
899	BMS-W.24	Circular sign plate Dia 870mm	Each.	2665.00
900	BMS-W.25	Triangular sign plate 600mm.	Each.	683.00
901	BMS-W.26	Triangular sign plate 900mm.	Each.	1542.00
902	BMS-W.27	Square sign plate 600mm.	Each.	1236.00
903	BMS-W.28	Square sign plate 1000mm.	Each.	4591.00
904	BMS-W.29	Supply of Sintex /Aqua tech or equivalent Polyethylene water storage tank double layer conforming to ISI 12701/96 mark with lid.	Litre.	5.75
		<b>ELIXIR PEB OR equivalent PRE ENGINEERED BUILDINGS FOR A MAXIMUM SPAN OF 9 MTRS</b>		
		Design, fabrication & supply of light weight pre engineered buildings for a maximum span of 9 metres with 50x50x2.8 mm M.S hollow square tubes for columns, trusses & purlins walls with sandwich panels made up of 2 Nos 10mm thick cement bonded particle/ fibre boards with 25mm thick 12 kg/cum density expanded polystyrene in between encased in 1.25 mm thick 24x7x26 mm 'W' tracks in bottom & top and 'H' section for sides with doors, windows & ventilators, roofing with 26 gauge pre painted profiled sheets fixed with self tapping/ drilling screws, painting with enamel paint for steel items, OBD for interiors and ace for exteriors & providing base plates, templates & anchor bolts along with civil foundation designs & drawings for the finished item of work. Inclusive of all Taxes and Duties.		
905	BMS-W.30	Steel Structure: - Structure is made up of 50x50X 2.8 m/33x66x2.8mm thick hollow M.S. sections for Trusses, columns, and purlins. - <b>Columns</b>	1 RM	364.80
906	BMS-W.31	Steel Structure: - Structure is made up of 50x50X 2.8 m/33x66x2.8mm thick hollow M.S. sections for Trusses, columns, and purlins. <b>Trusses</b>	1 RM	1667.00
907	BMS-W.32	10 mm thick 200x200 mm M.s. plates for base plates, 250 mm long 12mm $\Phi$ anchor bolts with plate washer and nuts complete with one coat of Asian or equivalent red oxide paint.	Each	633.00
908	BMS-W.33	Sandwich panels: Sandwich panels of 50 mm thick with 25 mm thermocol of 12 kg / cum, fixed in between 2 Nos 10 mm cement bonded wood particle / fibre boards properly fixed together with 30 mmx30mmx30mm wood pieces along width & length wherever necessary	1 Sqm	1319.00
909	BMS-W.34	U' Tracks & 'H' Section:- Bottom & Top 'U' Tracks are made of 1.25 mm thick 120 GSM G.I. Sheet of size 24x51x26 mm size.	1 RM	144.00
910	BMS-W.35	Fabricated 'H' sections are made up of 2 Nos 1.25 mm thick C.R. Of 40 mm width for flanges and 1 Nos of 2 mm thick C.R. of 50 mm width plate for web. will be used	1 RM	207.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
911	BMS-W.36	Sandwich Panel joinery is made up of "Elixir" couplers or equivalent made from 0.6 mm G.I. roll formed section to hold 2 Nos of 10 mm board on both sides with 25 mm thermocol in between.	1RM	<b>236.00</b>
912	BMS-W.37	Window:-_windows are made up of 51 x51 mm step 'U' section made from 1.25 thick MS Cold rolled Steel Sheet and Windows Shutters & Grill are made of 47x20 mm size pre painted section with 4 mm glass complete with necessary hardware. Grills are made from 8 mm square rod at 100 mm spacing.	1 Sqm	<b>4025.00</b>
913	BMS-W.38	Door Frames :-51 X 51 Stepped 'U' section made from 1.25 mm thick C.R. section with a 32 mm rebate for 30 mm flush door and Door Shutters with 30 mm thick block board / flush doors with boiling water proof plywood complete with necessary Hard ware.	1 Sqm	<b>3852.00</b>
914	BMS-W.39	Ventilators:- Ventilators are made of 51x51 mm step 'U' section made From 1.25 mm thick C.R. sheet with fixed louvers and glass.	1 Sqm	<b>4312.00</b>
915	BMS-W.40	Painting:-1) Steel structure is to be painted with 2 coats of Grade I enamel paint.	1 Sqm	<b>109.00</b>
916	BMS-W.41	2) Exterior walls are painted with one coast of primer and 2 coats of ACE" or equivalent paint.	1 Sqm	<b>98.00</b>
917	BMS-W.42	3) Interiors are painted with 1+2 coat of O.B.D.	1 Sqm	<b>85.00</b>
918	BMS-W.43	Toilets: - Toilets are provided as per plan with a provision for fixing the wash basin, W.C. etc only is made with M.S. steel section secured to the walls with toilet bracket provision excluding cost of WC/ Wash basin etc	Each	<b>920.00</b>
919	BMS-W.44	Sun shades: - Sun shades will be provided wherever necessary with 300 mm more than the width of window. 25x25 mm angle frame to cover 450 mm in the front and the sides. 10mm cement bonded particle board will be fixed on the frame work and sealed with green paste or equivalent .	Each	<b>3105.00</b>
920	BMS-W.45	Roofing:- Roofing will be provided with 0.5mm thick galvanized / pre painted G.I. profiled sheets fixed to the purlins with 14 size self drilling screws with neoprene washer. Side laps are stitched with self tapping / drilling screws. End laps are to be sealed with 25x3 mm Butyl tape. The sheets are provided with anti capillary groove.	1 Sqm	<b>701.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		Supply and fixing of factory made Bathroom door frames without threshold, fabricated from pre-painted cold roll formed section 50mm x 50 mm made of galvanized (base steel as per IS – 513 'D' quality, galvanized as per IS-277 with Zinc of 120 Gms/sqm) steel colour coated sections with total coated thickness of 1 mm, primer coated with epoxy primer of 5-7 microns thick, finish painted with polyester paint of 12-16 microns and back coated with alkyd backer of 5-7 microns. The frame section is to be filled with polyurethane (P.U. Foam) of 40 Kg/Cum; and the sections are cut to length and mitre joined by means of 1.25mm thick CRCA electroplated corner brackets of size 75 x 75 mm and 1.25mm thick electroplated stiffeners of size 150mm for fixing hold fasts and hinges together with the following MS Power coated fitting (Supply and fixing) of approved make.		
		a) 6 Nos M.S. Z. Type hold fasts made of 30mm x 3 mm MS flat of 230mm long, 3 Nos each side expandable PVC covered screw type fasteners		
		b) 2.5 mm x 300 mm long 'T' hinges / 2.5mm x 50 mm x 100mm two way but hinges (3 Nos for single leaf or 2 Nos for Double leaf /leaf )		
921	BMS-W.46	c) 12 mm Dia MS tie rod at bottom with necessary size of nuts on either side.	1 RM	<b>376.00</b>
922	BMS-W.47	Preparing gabions with jungle wood	Each	<b>3.00</b>
923	BMS-W.48	Planting plants	Each	<b>2.00</b>
924	BMS-W.49	Pruning plants	Each	<b>2.00</b>
925	BMS-W.50	Maintaining avenues including fencing, weeding, mulching, watering etc per plant.	Each	<b>6.00</b>
926	BMS-W.51	- do - When scattered in hot weather with extra conveyance from March to June	Each	<b>7.00</b>
927	BMS-W.52	Hoisting or lowering of slab	1 cum	<b>92.00</b>
928	BMS-W.53	Dressing faces of granite stone (double line dressing)	1 Sqm	<b>152.00</b>
929	BMS-W.54	Dressing faces of other than granite stone(double line dressing)	1 Sqm	<b>95.00</b>
930	BMS-W.55	Supply of CENTURYWELLS or equivalent Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.50mm thickness, Coating: Alu-Zinc coating AZ150 GSM. Tensile Strength: 550 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours	1 Sqm	<b>400.00</b>
931	BMS-W.56	Supply of CENTURYWELLS or equivalent Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.47mm thickness, Coating: Alu-Zinc coating AZ150 GSM. Tensile Strength: 550 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours	1 Sqm	<b>390.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
932	BMS-W.57	Supply of CENTURYWELLS or equivalent Pre-painted Galvanized Trapezoidal Profile Roofing sheets with 0.50mm thickness, Coating: Zinc coating Z120 GSM. Tensile Strength: 300 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours	1 Sqm	350.00
933	BMS-W.58	Supply of CENTURYWELLS or equivalent Pre-painted Galvanized Trapezoidal Profile Roofing sheets with 0.47mm thickness, Coating: Zinc coating Z120 GSM. Tensile Strength: 300 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours	1 Sqm	330.00
934	BMS-W.59	Supply of CENTURYWELLS or equivalent Roof Accessories medium size: Ridge, Barge Cap, Corner Trim, L-Flashing, Down Pipes, Gutter etc., with 0.50mm thick, Width: 0.585, Length: Maximum 2½ Meters	1 RM	270.00
935	BMS-W.60	Supply of CENTURYWELLS or equivalent Roof Accessories medium size: Ridge, Barge Cap, Corner Trim, L-Flashing, Down Pipes, Gutter etc., with 0.47mm thick, Width: 0.585, Length: Maximum 2½ Meters	1 RM	240.00
936	BMS-W.61	75 mm long screws -	1 Each	4.00
937	BMS-W.62	G.I scam bolts & nuts	1 Each	5.00
938	BMS-W.63	G.I bolts & nuts	1 Each	5.00
939	BMS-W.64	G.I 'J' bolts 8 mm dia	1 Each	8.00
940	BMS-W.65	G.I Washers	1 Each	0.50
941	BMS-W.66	Limpet washers (for scam & 'J' bolts)	1 Each	0.25
942	BMS-W.67	Bitumen washers	1 Each	0.20
943	BMS-W.68	White Cement	1 Kg	25.00
<b>X</b>		<b>MACHINERY CHARGES, HIRE CHARGES FOR CENTRING</b>		
944	BMC-X.01	Machine charges of rubbing/ polishing floor	1 day	1800.00
945	BMC-X.02	Power Saw Cutter - Hand Operated - Hire charges	1 Hr	105.00
946	BMC-X.03	Power Drill - Hand Operated - Hire Charges	1 Hr	97.00
947	BMC-X.04	Grinding Mortar (Spl Grinding)	1 day	900.00
948	BMC-X.05	Casuarina Balli Props - 3" to 4" dia - 12'-0" Height	Each	60.00
949	BMC-X.06	Casuarina Balli Props - 4" to 8" dia - 20'-0" Height	Each	100.00
950	BMC-X.07	Wall Plate Brackets / beam bottom supports	Each	170.00
951	BMC-X.08	Wedge Plate fixture	Each	8.00
952	BMC-X.09	Runner beams of approximately 4" x 4" size	RM	350.00
953	BMC-X.10	Steel Plates for form works	1 sqm	1200.00
954	BMC-X.11	Scaffolding Pipes & Centering accessories	1 Kg	90.00
955	BMC-X.12	Scaffold Boards - Bamboo scaffolds - Bamboos - 8'0" long	Each	100.00
NOTE				
<b>1</b>	All the items to be used on work are of first quality & ISI and as approved by the Engineer In charge of the work.			
<b>2</b>	Supply Rates for all the materials are based on market rates plus Sales Tax/ Material VAT.			
<b>3</b>	Works Contract VAT for General/ Composition Scheme on finished items may be allowed as applicable.			
<b>4</b>	SSR Rates for Building items are purely for guidance for the officers for preparation of estimates vide para.113 of APPWD code. Authority who prepares the estimate is			



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20011-12
		however responsible for proper rates as envisaged in para.45 of APPWD code.		
	<b>LEGEND</b>	"BMT" -X.XX		
		"BMM" -X.XX		
		"BMS" -X.XX		
		"BMC" -X.XX		
		XXX-"A".XX		
		XXX-X."01"		

SI	NAME OF THE STRUCTURAL MEMBER	Material Hire charges	Labour charges	Centring Charges for 2011-12	Unit of Measurement
1	2	3	4	5	6

## HIRE CHARGES FOR CENTERING &amp; SCAFFOLDING

A	FOOTINGS	Rs.	59.00	Rs.	330.00	Rs.	389.00	per 1 cum
B	PEDESTALS	Rs.	70.00	Rs.	524.00	Rs.	594.00	per 1 cum
C	PLINTH BEAMS	Rs.	993.00	Rs.	795.00	Rs.	1788.00	per 1 cum

HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height upto 3.66 M  
Steel scaffolding pipes, jack Props, wallers, Foot plates, brackets, steel Centering Plates,etc.,

D	LINTELS	Rs.	843.00	Rs.	675.00	Rs.	1518.00	per 1 cum
E	CHAJJAS - SUNSHADES	Rs.	167.00	Rs.	104.00	Rs.	271.00	per 1 sqm
F	COLUMNS	Rs.	127.00	Rs.	948.00	Rs.	1075.00	per 1 cum
G	BEAMS	Rs.	1276.00	Rs.	795.00	Rs.	2071.00	per 1 cum
H	SLABS - Up to 150 mm thick	Rs.	143.00	Rs.	89.00	Rs.	232.00	per 1 sqm
I	SLABS - above 150 mm - Up to 300 mm thick	Rs.	149.00	Rs.	93.00	Rs.	242.00	per 1 sqm
J	SLABS - above 300 mm thick	Rs.	156.00	Rs.	97.00	Rs.	253.00	per 1 sqm
K	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	Rs.	526.00	Rs.	327.00	Rs.	853.00	per 1 sqm
L	PERGOLA SLABS (Only Rib Beams)	Rs.	369.00	Rs.	230.00	Rs.	599.00	per 1 sqm
M	ARCH BEAMS - up to 1.5 M Span	Rs.	1451.00	Rs.	904.00	Rs.	2355.00	per 1 cum
N	ARCH BEAMS - above 1.5 M Span	Rs.	1472.00	Rs.	916.00	Rs.	2388.00	per 1 cum

O	DOME SLABS	Rs.	2738.00	Rs.	1461.00	Rs.	4199.00	per 1 cum
P	HELICAL STAIRCASES	Rs.	209.00	Rs.	111.00	Rs.	320.00	per 1 sqm
Q	SHEAR WALLS, RCC WALLS, WATER TANK WALLS	Rs.	108.00	Rs.	173.00	Rs.	281.00	per 1 sqm

HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height upto 7.32 M  
Steel scaffolding pipes, jack Props, wallers, Foot plates, brackets, steel Centering Plates,etc.,

D	LINTELS	Rs.	1519.00	Rs.	1064.00	Rs.	2583.00	per 1 cum
E	CHAJJAS - SUNSHADES	Rs.	300.00	Rs.	163.00	Rs.	463.00	per 1 sqm
F	COLUMNS, WATER TANK WALLS, RCC WALLS	Rs.	229.00	Rs.	1494.00	Rs.	1723.00	per 1 cum
G	BEAMS	Rs.	2300.00	Rs.	1253.00	Rs.	3553.00	per 1 cum
H	SLABS - Up to 150 mm thick	Rs.	258.00	Rs.	141.00	Rs.	399.00	per 1 sqm
I	SLABS - above 150 mm - Up to 300 mm thick	Rs.	268.00	Rs.	146.00	Rs.	414.00	per 1 sqm
J	SLABS - above 300 mm thick	Rs.	280.00	Rs.	153.00	Rs.	433.00	per 1 sqm
K	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	Rs.	947.00	Rs.	516.00	Rs.	1463.00	per 1 sqm
L	PERGOLA SLABS (Only Rib Beams)	Rs.	664.00	Rs.	362.00	Rs.	1026.00	per 1 sqm
M	ARCH BEAMS - up to 1.5 M Span	Rs.	2615.00	Rs.	1424.00	Rs.	4039.00	per 1 cum
N	ARCH BEAMS - above 1.5 M Span	Rs.	2651.00	Rs.	1445.00	Rs.	4096.00	per 1 cum
O	DOME SLABS	Rs.	4933.00	Rs.	2303.00	Rs.	7236.00	per 1 cum
P	HELICAL STAIRCASES	Rs.	376.00	Rs.	176.00	Rs.	552.00	per 1 sqm
Q	SHEAR WALLS, RCC WALLS, WATER TANK WALLS	Rs.	194.00	Rs.	272.00	Rs.	466.00	per 1 sqm

SI	NAME OF THE STRUCTURAL MEMBER	Material Hire charges	Labour charges	Centring Charges for 2011-12	Unit of Measurement
1	2	3	4	5	6

HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height up to 3.66 M  
Casuarinas Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc.,

D	LINTELS	Rs.	590.00	Rs.	532.00	Rs.	1122.00	per 1 cum
E	CHAJJAS - SUNSHADES	Rs.	117.00	Rs.	82.00	Rs.	199.00	per 1 sqm
F	COLUMNS	Rs.	89.00	Rs.	747.00	Rs.	836.00	per 1 cum
G	BEAMS	Rs.	893.00	Rs.	626.00	Rs.	1519.00	per 1 cum
H	SLABS - Up to 150 mm thick	Rs.	100.00	Rs.	70.00	Rs.	170.00	per 1 sqm
I	SLABS - above 150 mm - Up to 300 mm thick	Rs.	104.00	Rs.	73.00	Rs.	177.00	per 1 sqm
J	SLABS - above 300 mm thick	Rs.	109.00	Rs.	76.00	Rs.	185.00	per 1 sqm
K	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	Rs.	368.00	Rs.	258.00	Rs.	626.00	per 1 sqm
L	PERGOLA SLABS (Only Rib Beams)	Rs.	258.00	Rs.	181.00	Rs.	439.00	per 1 sqm
M	ARCH BEAMS - up to 1.5 M Span	Rs.	1015.00	Rs.	712.00	Rs.	1727.00	per 1 cum
N	ARCH BEAMS - above 1.5 M Span	Rs.	1030.00	Rs.	722.00	Rs.	1752.00	per 1 cum
O	DOME SLABS	Rs.	1915.00	Rs.	1152.00	Rs.	3067.00	per 1 cum
P	HELICAL STAIRCASES	Rs.	146.00	Rs.	88.00	Rs.	234.00	per 1 sqm
Q	SHEAR WALLS, RCC WALLS, WATER TANK WALLS	Rs.	75.00	Rs.	136.00	Rs.	211.00	per 1 sqm

Note : For Shear Walls, RCC Walls, Water Tank walls the centring charges are for both faces (back and front)

HIRE CHARGES FOR ACCESS SCAFFOLDING - up to 3.66 M using Casuarinas Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for BRICK MASONRY/ STONE MASONRY/ WALL PUTTY/ TEXTURE PAINTS etc - 1 sqm

A	1st - Floor	Rs.	5.29	Rs.	35.99	Rs.	41.28	per 1 sqm
B	2nd - Floor	Rs.	5.29	Rs.	53.99	Rs.	59.28	per 1 sqm
C	3rd - Floor	Rs.	5.29	Rs.	71.99	Rs.	77.28	per 1 sqm
D	4th - Floor	Rs.	5.29	Rs.	89.99	Rs.	95.27	per 1 sqm
E	5th - Floor	Rs.	5.29	Rs.	107.98	Rs.	113.27	per 1 sqm
F	6th - Floor	Rs.	5.29	Rs.	125.98	Rs.	131.27	per 1 sqm
G	7th - Floor	Rs.	5.29	Rs.	143.98	Rs.	149.26	per 1 sqm
H	8th - Floor	Rs.	5.29	Rs.	161.97	Rs.	167.26	per 1 sqm
I	9th - Floor	Rs.	5.29	Rs.	179.97	Rs.	185.26	per 1 sqm
J	10th - Floor	Rs.	5.29	Rs.	197.97	Rs.	203.25	per 1 sqm
K	11th - Floor	Rs.	5.29	Rs.	215.97	Rs.	221.25	per 1 sqm
L	12th - Floor	Rs.	5.29	Rs.	233.96	Rs.	239.25	per 1 sqm
M	13th - Floor	Rs.	5.29	Rs.	251.96	Rs.	257.25	per 1 sqm
N	14th - Floor	Rs.	5.29	Rs.	269.96	Rs.	275.24	per 1 sqm
O	15th - Floor	Rs.	5.29	Rs.	287.95	Rs.	293.24	per 1 sqm

SI	NAME OF THE STRUCTURAL MEMBER	Material Hire charges	Labour charges	Centring Charges for 2011-12	Unit of Measurement
1	2	3	4	5	6

HIRE CHARGES FOR ACCESS SCAFFOLDING - up to 3.66 M using Casuarinas Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for PLASTERING to WALLS - 1 sqm

A	1st - Floor	Rs.	0.53	Rs.	3.60	Rs.	4.13	per 1 sqm
B	2nd - Floor	Rs.	0.53	Rs.	5.40	Rs.	5.93	per 1 sqm
C	3rd - Floor	Rs.	0.53	Rs.	7.20	Rs.	7.73	per 1 sqm
D	4th - Floor	Rs.	0.53	Rs.	9.00	Rs.	9.53	per 1 sqm
E	5th - Floor	Rs.	0.53	Rs.	10.80	Rs.	11.33	per 1 sqm
F	6th - Floor	Rs.	0.53	Rs.	12.60	Rs.	13.13	per 1 sqm
G	7th - Floor	Rs.	0.53	Rs.	14.40	Rs.	14.93	per 1 sqm
H	8th - Floor	Rs.	0.53	Rs.	16.20	Rs.	16.73	per 1 sqm
I	9th - Floor	Rs.	0.53	Rs.	18.00	Rs.	18.53	per 1 sqm
J	10th - Floor	Rs.	0.53	Rs.	19.80	Rs.	20.33	per 1 sqm
K	11th - Floor	Rs.	0.53	Rs.	21.60	Rs.	22.13	per 1 sqm
L	12th - Floor	Rs.	0.53	Rs.	23.40	Rs.	23.92	per 1 sqm
M	13th - Floor	Rs.	0.53	Rs.	25.20	Rs.	25.72	per 1 sqm
N	14th - Floor	Rs.	0.53	Rs.	27.00	Rs.	27.52	per 1 sqm

O	15th - Floor	Rs.	0.53	Rs.	28.80	Rs.	29.32	per 1 sqm
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HIRE CHARGES FOR STAGE SCAFFOLDING - up to 3.66 M using Casuarinas Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for CEILING PLASTERING - 1 sqm

A	1st - Floor	Rs.	1.24	Rs.	7.09	Rs.	8.33	per 1 sqm
B	2nd - Floor	Rs.	1.24	Rs.	10.63	Rs.	11.87	per 1 sqm
C	3rd - Floor	Rs.	1.24	Rs.	14.18	Rs.	15.42	per 1 sqm
D	4th - Floor	Rs.	1.24	Rs.	17.72	Rs.	18.96	per 1 sqm
E	5th - Floor	Rs.	1.24	Rs.	21.26	Rs.	22.50	per 1 sqm
F	6th - Floor	Rs.	1.24	Rs.	24.81	Rs.	26.05	per 1 sqm
G	7th - Floor	Rs.	1.24	Rs.	28.35	Rs.	29.59	per 1 sqm
H	8th - Floor	Rs.	1.24	Rs.	31.89	Rs.	33.14	per 1 sqm
I	9th - Floor	Rs.	1.24	Rs.	35.44	Rs.	36.68	per 1 sqm
J	10th - Floor	Rs.	1.24	Rs.	38.98	Rs.	40.22	per 1 sqm
K	11th - Floor	Rs.	1.24	Rs.	42.53	Rs.	43.77	per 1 sqm
L	12th - Floor	Rs.	1.24	Rs.	46.07	Rs.	47.31	per 1 sqm
M	13th - Floor	Rs.	1.24	Rs.	49.61	Rs.	50.85	per 1 sqm
N	14th - Floor	Rs.	1.24	Rs.	53.16	Rs.	54.40	per 1 sqm
O	15th - Floor	Rs.	1.24	Rs.	56.70	Rs.	57.94	per 1 sqm

CENTERING & SCAFFOLDING CHARGES- FLOOR WISE RATES for Steel scaffolding pipes, jack Props, Steel Centering Plates,etc.,  
for unsupported height 3.66 M for the year 2011-12

Floor		LINTELS	CHAJJA SUN- SHADES	COLUMNS	BEAMS	SLABS - Up to 150 mm thick	SLABS - above 150 mm - Up to 300 mm thick	SLABS - above 300 mm thick	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	PERGOLA SLABS (Only Rib Beams)	ARCH BEAMS - up to 1.5 M Span	ARCH BEAMS - above 1.5 M Span	DOME SLABS	HELICAL STAIR- CASES	SHEAR WALLS, RCC WALLS, WATER TANK WALLS
Material Hire for any Floor	H	843.00	167.00	127.00	1276.00	143.00	149.00	156.00	526.00	369.00	1451.00	1472.00	2738.00	209.00	108.00
Labour Charges for 1st Floor	L	675.00	104.00	948.00	795.00	89.00	93.00	97.00	327.00	230.00	904.00	916.00	1461.00	111.00	173.00
Total Hire Charges (H+L)	T	1518.00	271.00	1075.00	2071.00	232.00	242.00	253.00	853.00	599.00	2355.00	2388.00	4199.00	320.00	281.00

1st - Floor	L	675.00	104.00	948.00	795.00	89.00	93.00	97.00	327.00	230.00	904.00	916.00	1461.00	111.00	173.00
2nd - Floor	L	743.00	114.00	1043.00	875.00	98.00	102.00	107.00	360.00	253.00	994.00	1008.00	1607.00	122.00	190.00
3rd - Floor	L	810.00	125.00	1138.00	954.00	107.00	112.00	116.00	392.00	276.00	1085.00	1099.00	1753.00	133.00	208.00
4th - Floor	L	878.00	135.00	1232.00	1034.00	116.00	121.00	126.00	425.00	299.00	1175.00	1191.00	1899.00	144.00	225.00
5th - Floor	L	945.00	146.00	1327.00	1113.00	125.00	130.00	136.00	458.00	322.00	1266.00	1282.00	2045.00	155.00	242.00
6th - Floor	L	1013.00	156.00	1422.00	1193.00	134.00	140.00	146.00	491.00	345.00	1356.00	1374.00	2192.00	167.00	260.00
7th - Floor	L	1080.00	166.00	1517.00	1272.00	142.00	149.00	155.00	523.00	368.00	1446.00	1466.00	2338.00	178.00	277.00
8th - Floor	L	1148.00	177.00	1612.00	1352.00	151.00	158.00	165.00	556.00	391.00	1537.00	1557.00	2484.00	189.00	294.00
9th - Floor	L	1215.00	187.00	1706.00	1431.00	160.00	167.00	175.00	589.00	414.00	1627.00	1649.00	2630.00	200.00	311.00
10th - Floor	L	1283.00	198.00	1801.00	1511.00	169.00	177.00	184.00	621.00	437.00	1718.00	1740.00	2776.00	211.00	329.00
11th - Floor	L	1350.00	208.00	1896.00	1590.00	178.00	186.00	194.00	654.00	460.00	1808.00	1832.00	2922.00	222.00	346.00
12th - Floor	L	1418.00	218.00	1991.00	1670.00	187.00	195.00	204.00	687.00	483.00	1898.00	1924.00	3068.00	233.00	363.00
13th - Floor	L	1485.00	229.00	2086.00	1749.00	196.00	205.00	213.00	719.00	506.00	1989.00	2015.00	3214.00	244.00	381.00
14th - Floor	L	1553.00	239.00	2180.00	1829.00	205.00	214.00	223.00	752.00	529.00	2079.00	2107.00	3360.00	255.00	398.00
15th - Floor	L	1620.00	250.00	2275.00	1908.00	214.00	223.00	233.00	785.00	552.00	2170.00	2198.00	3506.00	266.00	415.00

Note: - Centering & scaffolding charges for steel scaffolding with pipes, jack props, steel centring plates for unsupported heights of every 610 mm height above 3.66 M may be allowed at 16.666% more than the basic material hire charges and relevant labour charges of the applicable floor and item

4.27 M	16.666%		4.88 M	33.332%		5.49 M	49.998%		6.1 M	66.664%		6.71 M	83.330%
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## CENTERING &amp; SCAFFOLDING CHARGES- FLOOR WISE RATES for Steel scaffolding pipes, jack Props, Steel Centering Plates,etc.,

for unsupported height 7.32 M for the year 2011-12

FLOOR		LINTELS	CHAJJA SUN- SHADES	COLUMNS	BEAMS	SLABS - Up to 150 mm thick	SLABS - above 150 mm - Up to 300 mm thick	SLABS - above 300 mm thick	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	PERGOLA SLABS (Only Rib Beams)	ARCH BEAMS - up to 1.5 M Span	ARCH BEAMS - above 1.5 M Span	DOME SLABS	HELICAL STAIR- CASES	SHEAR WALLS, RCC WALLS, WATER TANK WALLS
Material Hire for any Floor	H	1519.00	300.00	229.00	2300.00	258.00	268.00	280.00	947.00	664.00	2615.00	2651.00	4933.00	376.00	194.00
Labour Charges for 1st Floor	L	1064.00	163.00	1494.00	1253.00	141.00	146.00	153.00	516.00	362.00	1424.00	1445.00	2303.00	176.00	272.00
Total Hire Charges (H+L)	T	2583.00	463.00	1723.00	3553.00	399.00	414.00	433.00	1463.00	1026.00	4039.00	4096.00	7236.00	552.00	466.00

1st - Floor	L	1064.00	163.00	1494.00	1253.00	141.00	146.00	153.00	516.00	362.00	1424.00	1445.00	2303.00	176.00	272.00
2nd - Floor	L	1170.00	179.00	1643.00	1378.00	155.00	161.00	168.00	568.00	398.00	1566.00	1590.00	2533.00	194.00	299.00
3rd - Floor	L	1277.00	196.00	1793.00	1504.00	169.00	175.00	184.00	619.00	434.00	1709.00	1734.00	2764.00	211.00	326.00
4th - Floor	L	1383.00	212.00	1942.00	1629.00	183.00	190.00	199.00	671.00	471.00	1851.00	1879.00	2994.00	229.00	354.00
5th - Floor	L	1490.00	228.00	2092.00	1754.00	197.00	204.00	214.00	722.00	507.00	1994.00	2023.00	3224.00	246.00	381.00
6th - Floor	L	1596.00	245.00	2241.00	1880.00	212.00	219.00	230.00	774.00	543.00	2136.00	2168.00	3455.00	264.00	408.00
7th - Floor	L	1702.00	261.00	2390.00	2005.00	226.00	234.00	245.00	826.00	579.00	2278.00	2312.00	3685.00	282.00	435.00
8th - Floor	L	1809.00	277.00	2540.00	2130.00	240.00	248.00	260.00	877.00	615.00	2421.00	2457.00	3915.00	299.00	462.00
9th - Floor	L	1915.00	293.00	2689.00	2255.00	254.00	263.00	275.00	929.00	652.00	2563.00	2601.00	4145.00	317.00	490.00
10th - Floor	L	2022.00	310.00	2839.00	2381.00	268.00	277.00	291.00	980.00	688.00	2706.00	2746.00	4376.00	334.00	517.00
11th - Floor	L	2128.00	326.00	2988.00	2506.00	282.00	292.00	306.00	1032.00	724.00	2848.00	2890.00	4606.00	352.00	544.00
12th - Floor	L	2234.00	342.00	3137.00	2631.00	296.00	307.00	321.00	1084.00	760.00	2990.00	3035.00	4836.00	370.00	571.00
13th - Floor	L	2341.00	359.00	3287.00	2757.00	310.00	321.00	337.00	1135.00	796.00	3133.00	3179.00	5067.00	387.00	598.00
14th - Floor	L	2447.00	375.00	3436.00	2882.00	324.00	336.00	352.00	1187.00	833.00	3275.00	3324.00	5297.00	405.00	626.00
15th - Floor	L	2554.00	391.00	3586.00	3007.00	338.00	350.00	367.00	1238.00	869.00	3418.00	3468.00	5527.00	422.00	653.00

CENTERING & SCAFFOLDING CHARGES- FLOOR WISE RATES for Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates,  
Steel Centring Plates etc., for unsupported height 3.66 M for the year 2011-12

FLOOR		LINTELS	CHAJJA SUN- SHADES	COLUMNS	BEAMS	SLABS - Up to 150 mm thick	SLABS - above 150 mm - Up to 300 mm thick	SLABS - above 300 mm thick	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	PERGOLA SLABS (Only Rib Beams)	ARCH BEAMS - up to 1.5 M Span	ARCH BEAMS - above 1.5 M Span	DOVE SLABS	HELICAL STAIR- CASES	SHEAR WALLS, RCC WALLS, WATER TANK WALLS
Hire Charges	H	590.00	117.00	89.00	893.00	100.00	104.00	109.00	368.00	258.00	1015.00	1030.00	1915.00	146.00	75.00
Labour Charges	L	532.00	82.00	747.00	626.00	70.00	73.00	76.00	258.00	181.00	712.00	722.00	1152.00	88.00	136.00
Total Hire Charges (H+L)	T	1122.00	199.00	836.00	1519.00	170.00	177.00	185.00	626.00	439.00	1727.00	1752.00	3067.00	234.00	211.00
1st - Floor	L	532.00	82.00	747.00	626.00	70.00	73.00	76.00	258.00	181.00	712.00	722.00	1152.00	88.00	136.00
2nd - Floor	L	585.00	90.00	822.00	689.00	77.00	80.00	84.00	284.00	199.00	783.00	794.00	1267.00	97.00	150.00
3rd - Floor	L	638.00	98.00	896.00	751.00	84.00	88.00	91.00	310.00	217.00	854.00	866.00	1382.00	106.00	163.00
4th - Floor	L	692.00	107.00	971.00	814.00	91.00	95.00	99.00	335.00	235.00	926.00	939.00	1498.00	114.00	177.00
5th - Floor	L	745.00	115.00	1046.00	876.00	98.00	102.00	106.00	361.00	253.00	997.00	1011.00	1613.00	123.00	190.00
6th - Floor	L	798.00	123.00	1121.00	939.00	105.00	110.00	114.00	387.00	272.00	1068.00	1083.00	1728.00	132.00	204.00
7th - Floor	L	851.00	131.00	1195.00	1002.00	112.00	117.00	122.00	413.00	290.00	1139.00	1155.00	1843.00	141.00	218.00
8th - Floor	L	904.00	139.00	1270.00	1064.00	119.00	124.00	129.00	439.00	308.00	1210.00	1227.00	1958.00	150.00	231.00
9th - Floor	L	958.00	148.00	1345.00	1127.00	126.00	131.00	137.00	464.00	326.00	1282.00	1300.00	2074.00	158.00	245.00
10th - Floor	L	1011.00	156.00	1419.00	1189.00	133.00	139.00	144.00	490.00	344.00	1353.00	1372.00	2189.00	167.00	258.00
11th - Floor	L	1064.00	164.00	1494.00	1252.00	140.00	146.00	152.00	516.00	362.00	1424.00	1444.00	2304.00	176.00	272.00
12th - Floor	L	1117.00	172.00	1569.00	1315.00	147.00	153.00	160.00	542.00	380.00	1495.00	1516.00	2419.00	185.00	286.00
13th - Floor	L	1170.00	180.00	1643.00	1377.00	154.00	161.00	167.00	568.00	398.00	1566.00	1588.00	2534.00	194.00	299.00
14th - Floor	L	1224.00	189.00	1718.00	1440.00	161.00	168.00	175.00	593.00	416.00	1638.00	1661.00	2650.00	202.00	313.00
15th - Floor	L	1277.00	197.00	1793.00	1502.00	168.00	175.00	182.00	619.00	434.00	1709.00	1733.00	2765.00	211.00	326.00

# WATER SUPPLY & SANITARY ITEMS



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
1	2	3	4	
A		<b>S.W.G. PIPES &amp; FITTINGS</b>		
1	BMW-A.01	Supplying, laying, jointing and testing 101.6 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1.5:1 prop. Including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 1524 mm(5'0") depth and refilling with watering and tamping.	1 RM	<b>348.00</b>
2	BMW-A.02	Supplying, laying, jointing and testing 101.6 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1.5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 914.4 mm (3'0") depth and refilling with watering and tamping.	1 RM	<b>193.00</b>
3	BMW-A.03	Supplying, laying, jointing and testing 152.4 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1.5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 1524 mm(5'0") depth and refilling with watering and tamping.	1 RM	<b>471.00</b>
4	BMW-A.04	Supplying, laying, jointing and testing 152.4 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1.5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 914.4 mm (3'0")) depth and refilling with watering and tamping.	1 RM	<b>319.00</b>
5	BMW-A.05	labour charges only for laying, jointing and testing SWG pipes of any dia with airtight cement joints including excavation of trenches and socket pits in any soil up to 914.4 mm (3'0") depth (except rock requiring blasting) and refilling with watering and tamping.	1 RM	<b>102.00</b>
6	BMW-A.06	labour charges only for laying, jointing and testing SWG pipes of any dia with airtight cement joints including excavation of trenches and socket pits in any soil up to 1524 mm (5'-0") depth (except rock requiring blasting) and refilling with watering and tamping.	1 RM	<b>138.00</b>
7	BMW-A.07	a)Supplying , laying, jointing and testing 152.4 mm CC bed 1:2:4 Prop: using 19.05 mm gauge graded granite metal chips and cradling 101.6 mm SWG pipe line all round to have 76.2 mm thick cover over the sockets.	1 RM	<b>81.00</b>
8	BMW-A.08	b) - do - labour charges only	1 RM	<b>8.00</b>
9	BMW-A.09	a)Supplying , laying, jointing and testing 152.4 mm CC bed 1:2:4 Prop: using 19.05 mm gauge graded granite metal chips and cradling 152.4 mm SWG pipe line all round to have 76.2 mm thick cover over the sockets.	1 RM	<b>121.00</b>
10	BMW-A.10	b) - do - labour charges only	1 RM	<b>40.00</b>
11	BMW-A.11	a) Supplying & Laying 101.6 mm SWG channels with cement mortar joints with suitable brick masonry for fixing the channels in position	1 RM	<b>67.00</b>
12	BMW-A.12	b) - do - labour charges only	1 RM	<b>28.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
13	BMW-A.13	a) Supplying & Laying 152.4 mm SWG channels with cement mortar joints with suitable brick masonry for fixing the channels in position	1 RM	<b>126.00</b>
14	BMW-A.14	b) - do - labour charges only	1 RM	<b>39.00</b>
15	BMW-A.15	Supply of SWG SP-1 pipe conforming to ISI 651 - 4" dia (101.6mm)	1 RM	<b>154.00</b>
16	BMW-A.16	Supply of SWG SP-1 pipe conforming to ISI 651 - 6" dia (152.4mm)	1 RM	<b>266.00</b>
17	BMW-A.17	Supply of SWG SP-1 pipe conforming to ISI 651 - 8" dia (203.2mm)	1 RM	<b>412.00</b>
18	BMW-A.18	Supply of SWG SP-1 pipe conforming to ISI 651 - 10" dia (254 mm)	1 RM	<b>754.00</b>
19	BMW-A.19	Supply of SWG SP-1 pipe conforming to ISI 651 - 12" dia (300 mm)	1 RM	<b>1086.00</b>
20	BMW-A.20	Supply of SWG SP-1 pipe conforming to ISI 651 - 14" dia (350 mm)	1 RM	<b>1478.00</b>
21	BMW-A.21	Supply of SWG SP-1 pipe conforming to ISI 651 - 16" dia (400 mm)	1 RM	<b>1783.00</b>
22	BMW-A.22	Supply of SWG SP-1 pipe conforming to ISI 651 - 18" dia (450 mm)	1 RM	<b>2153.00</b>
23	BMW-A.23	Supply of SWG SP-2 pipe conforming to ISI 651 - 4" dia (101.6mm)	1 RM	<b>189.00</b>
24	BMW-A.24	Supply of SWG SP-2 pipe conforming to ISI 651 - 6" dia (152.4mm)	1 RM	<b>282.00</b>
25	BMW-A.25	Supply of SWG SP-2 pipe conforming to ISI 651 - 8" dia (203.2mm)	1 RM	<b>508.00</b>
26	BMW-A.26	Supply of SWG SP-2 pipe conforming to ISI 651 - 10" dia (254 mm)	1 RM	<b>799.00</b>
27	BMW-A.27	Supply of SWG SP-2 pipe conforming to ISI 651 - 12" dia (300 mm)	1 RM	<b>1227.00</b>
28	BMW-A.28	Supply of SWG SP-2 pipe conforming to ISI 651 - 14" dia (350 mm)	1 RM	<b>1592.00</b>
29	BMW-A.29	Supply of SWG SP-2 pipe conforming to ISI 651 - 16" dia (400 mm)	1 RM	<b>1833.00</b>
30	BMW-A.30	Supply of SWG SP-2 pipe conforming to ISI 651 - 18" dia (450 mm)	1 RM	<b>2339.00</b>
31	BMW-A.31	Supply of SWG SP-3 pipe conforming to ISI 651 - 4" dia (101.6mm)	1 RM	<b>242.00</b>
32	BMW-A.32	Supply of SWG SP-3 pipe conforming to ISI 651 - 6" dia (152.4mm)	1 RM	<b>352.00</b>
33	BMW-A.33	Supply of SWG SP-3 pipe conforming to ISI 651 - 8" dia (203.2mm)	1 RM	<b>623.00</b>
34	BMW-A.34	Supply of SWG SP-3 pipe conforming to ISI 651 - 10" dia (254 mm)	1 RM	<b>946.00</b>
35	BMW-A.35	Supply of SWG SP-3 pipe conforming to ISI 651 - 12" dia (300 mm)	1 RM	<b>1323.00</b>
36	BMW-A.36	Supply of SWG SP-3 pipe conforming to ISI 651 - 14" dia (350 mm)	1 RM	<b>1680.00</b>
37	BMW-A.37	Supply of SWG SP-2 pipe conforming to ISI 651 - 16" dia (400 mm)	1 RM	<b>1934.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
38	BMW-A.38	Supply of SWG SP-3 pipe conforming to ISI 651 - 18" dia (450 mm)	1 RM	<b>2630.00</b>
39	BMW-A.39	Supply of SWG Bends conforming to IS standards -100 mm dia	Each	<b>77.00</b>
40	BMW-A.40	Supply of SWG Bends conforming to IS standards -150 mm dia	Each	<b>143.00</b>
41	BMW-A.41	Supply of SWG Bends conforming to IS standards -200 mm dia	Each	<b>269.00</b>
42	BMW-A.42	Supply of SWG Bends conforming to IS standards -250 mm dia	Each	<b>545.00</b>
43	BMW-A.43	Supply of SWG Bends conforming to IS standards -300 mm dia	Each	<b>693.00</b>
44	BMW-A.44	Supply of SWG Bends conforming to IS standards -350 mm dia	Each	<b>865.00</b>
45	BMW-A.45	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 100 x 100	Each	<b>148.00</b>
46	BMW-A.46	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 150 x 100	Each	<b>219.00</b>
47	BMW-A.47	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 150 x 150	Each	<b>238.00</b>
48	BMW-A.48	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 200 x 100	Each	<b>339.00</b>
49	BMW-A.49	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 200 x 150	Each	<b>397.00</b>
50	BMW-A.50	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 200 x 200	Each	<b>455.00</b>
51	BMW-A.51	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 100	Each	<b>535.00</b>
52	BMW-A.52	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 150	Each	<b>707.00</b>
53	BMW-A.53	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 200	Each	<b>875.00</b>
54	BMW-A.54	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 250	Each	<b>1047.00</b>
55	BMW-A.55	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 100	Each	<b>764.00</b>
56	BMW-A.56	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 150	Each	<b>978.00</b>
57	BMW-A.57	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 200	Each	<b>1193.00</b>
58	BMW-A.58	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 250	Each	<b>1408.00</b>
59	BMW-A.59	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 300	Each	<b>1622.00</b>
60	BMW-A.60	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 100	Each	<b>953.00</b>
61	BMW-A.61	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 150	Each	<b>1222.00</b>
62	BMW-A.62	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 200	Each	<b>1490.00</b>
63	BMW-A.63	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 250	Each	<b>1757.00</b>
64	BMW-A.64	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 300	Each	<b>2026.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
65	BMW-A.65	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 350	Each	2293.00
66	BMW-A.66	Supply of SWG Plugs conforming to IS standards for 100 mm dia	Each	28.00
67	BMW-A.67	Supply of SWG Plugs conforming to IS standards for 150 mm dia	Each	54.00
68	BMW-A.68	Supply of SWG Plugs conforming to IS standards for 200 mm dia	Each	102.00
69	BMW-A.69	Supply of SWG Plugs conforming to IS standards for 250 mm dia	Each	176.00
70	BMW-A.70	Supply of SWG Plugs conforming to IS standards for 300 mm dia	Each	279.00
71	BMW-A.71	Supply of SWG Plugs conforming to IS standards for 350 mm dia	Each	351.00
72	BMW-A.72	Supplying & fixing 150 mm x 100 mm SWG gully traps conforming to ISI 651 & 4127 with C.I Grating & Cost. Brick masonry in CM 1:6 prop. Intermediate chamber and fitted with 304.8 mm x 288.6mm (12"x9") C.I Frame and hinged cover	Each	482.00
73	BMW-A.73	Supply of SWG Gully Traps (Round & Square) conforming to IS standards 150 x 100 mm	Each	215.00
74	BMW-A.74	Labour charges for fixing and laying the SWG Junctions/ Plugs/ Bends of any dia with airtight cement joints as per standard practice	Each	21.00
75	BMW-A.75	Supply of SWG Saddles conforming to IS standards 150 x 100 mm		156.00
76	BMW-A.76	Supply of SWG Saddles conforming to IS standards 200 x 100 mm		269.00
77	BMW-A.77	Supply of SWG Saddles conforming to IS standards 250 x 100 mm		435.00
B		<b>MAN HOLES &amp; INSPECTION CHAMBERS - AS PER - IS 4111 : Part 1 : 1986</b>		
78	BMW-B.01	Constructing 904.0 mm (3'0") dia solid block masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using fly-ash blocks of 225 mm thick from approved source having a minimum crushing strength of 10 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification.	Each	4648.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
79	BMW-B.02	Constructing 904.0 mm (3'0") dia solid block masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using fly-ash blocks of 225 mm thick from approved source having a minimum crushing strength of 10 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 1524 mm (5'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification.	Each	<b>7225.00</b>
80	BMW-B.03	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification.	Each	<b>4096.00</b>
81	BMW-B.04	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 1524 mm (5'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification.	Each	<b>6160.00</b>
82	BMW-B.05	Constructing 914.4 mm x 457.2 mm (3'0"x1'6") brick in CM 1:6 prop. Masonry Inspection chamber up to 914.4 mm (3'0") and fitted with light weight 914.4 mm x 457.2 mm (3'0"x1'6")	Each	<b>4355.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
		C.I frame and cover of 40 Kg.		
83	BMW-B.06	Constructing 457.2 mm x 457.2 mm (1'6"x1'6") brick in CM 1:6 prop. Masonry. Inspection chamber up to 914.4 mm (3'0") and fitted with light weight 457.2 mm x 457.2 mm (1'6"x1'6") C.I frame and cover of 20 Kg.	Each	<b>2626.00</b>
84	BMW-B.07	a)Making drainage connection in the existing inspection including all repairs	Each	<b>90.00</b>
85	BMW-B.08	b) - do - labour charges only	Each	<b>58.00</b>
C		<b>C.I. PIPES &amp; FITTINGS - AS PER - IS 1729:1979</b>		
		Supplying and fixing of C.I. Single/ Double Socket soil pipes ISI marked conforming to IS:1729-1979 of reputed make with cement caulked joints and fixing as per site requirements including painting black with Japan paint and fixing with necessary wooden blocks fixed in the masonry walls in cement mortar (1½:1) and including fixing of M.S. clamps if necessary with required no. of Bombay nails etc., complete		
86	BMW-C.01	3" dia (76.2 mm) Single Socket	1 RM	<b>561.00</b>
87	BMW-C.02	4" dia (101.6mm) Single Socket	1 RM	<b>641.00</b>
88	BMW-C.03	6" dia (152.4mm) Single Socket	1 RM	<b>1121.00</b>
89	BMW-C.04	3" dia (76.2 mm) Double Socket	1 RM	<b>613.00</b>
90	BMW-C.05	4" dia (101.6mm) Double Socket	1 RM	<b>700.00</b>
91	BMW-C.06	6" dia (152.4mm) Double Socket	1 RM	<b>1183.00</b>
92	BMW-C.07	Labour charges only for fixing of C.I. Single/ Double Socket soil pipes of any dia with cement caulked joints and fixing as per site requirements including painting black with Japan paint and fixing with necessary wooden blocks fixed in the masonry walls in cement mortar and including fixing of M.S. clamps if necessary with required nails	1 RM	<b>173.00</b>
93	BMW-C.08	Supplying & fixing CI Plain bends Ist quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 3" dia (76.2 mm)	Each	<b>183.00</b>
94	BMW-C.09	Supplying & fixing CI Plain bends Ist quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 4" dia (101.6 mm)	Each	<b>237.00</b>
95	BMW-C.10	Supplying & fixing CI Plain bends Ist quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 6" dia (152.4 mm)	Each	<b>461.00</b>
96	BMW-C.11	Supplying & fixing CI Plug (Door) bends Ist quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 3" dia (76.2 mm)	Each	<b>247.00</b>
97	BMW-C.12	Supplying & fixing CI Plug (Door) bends Ist quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 4" dia (101.6 mm)	Each	<b>289.00</b>

<b>Sl. No</b>	<b>Item Code</b>	<b>Description of item</b>	<b>Unit</b>	<b>SS RATE FOR 2011-12</b>
98	BMW-C.13	Supplying & fixing CI Plug (Door) bends Ist quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 6" dia (152.4 mm)	Each	<b>610.00</b>
99	BMW-C.14	Labour charges only for fixing CI Plain/ Plug (Door) bends with cement caulked joints and fixing as per site requirements with standard practice	Each	<b>55.00</b>
100	BMW-C.15	Supplying and fixing of 76.2 mm (3") CI soil single junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>332.00</b>
101	BMW-C.16	Supplying and fixing of 101.6 mm (4") CI soil single junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>452.00</b>
102	BMW-C.17	Supplying and fixing of 152.4 mm (6") CI soil single junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>1056.00</b>
103	BMW-C.18	Supplying and fixing of 76.2 mm (3") CI soil plain single junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>286.00</b>
104	BMW-C.19	Supplying and fixing of 101.6 mm (4") CI soil plain single junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>392.00</b>
105	BMW-C.20	Supplying and fixing of 152.4 mm (6") CI soil plain single junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>942.00</b>
106	BMW-C.21	Labour charges only fixing CI soil single junctions with cement caulked joints and fixing as per site requirements with standard practice	Each	<b>75.00</b>
107	BMW-C.22	Supplying and Fixing of 76.2 mm (3") CI soil Double junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>516.00</b>
108	BMW-C.23	Supplying and Fixing of 101.6 mm (4") CI soil Double junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>597.00</b>
109	BMW-C.24	Supplying and Fixing of 152.4 mm (6") CI soil Double junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>1475.00</b>
110	BMW-C.25	Supplying and Fixing of 76.2 mm (3") CI soil plain Double junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>449.00</b>
111	BMW-C.26	Supplying and Fixing of 101.6 mm (4") CI soil plain Double junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>554.00</b>
112	BMW-C.27	Supplying and Fixing of 152.4 mm (6") CI soil plain Double junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	<b>1382.00</b>
113	BMW-C.28	Labour charges only fixing CI soil Double junctions with cement caulked joints and fixing as per site requirements with standard practice	Each	<b>69.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
114	BMW-C.29	Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 76.20 mm (3") C.I. Pipe	Each	<b>220.00</b>
115	BMW-C.30	Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 101.6 mm (4") C.I. Pipe	Each	<b>308.00</b>
116	BMW-C.31	Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 152.4 mm (6") C.I. Pipe	Each	<b>671.00</b>
117	BMW-C.32	Supplying and Fixing of 115 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing - for 76.20 mm (3") C.I. Pipe	Each	<b>262.00</b>
118	BMW-C.33	Supplying and Fixing of 115 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing - for 101.6 mm (4") C.I. Pipe	Each	<b>349.00</b>
119	BMW-C.34	Supplying and Fixing of 115 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing - for 152.4 mm (6") C.I. Pipe	Each	<b>687.00</b>
120	BMW-C.35	Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing for 76.20 mm (3") C.I. Pipe	Each	<b>303.00</b>
121	BMW-C.36	Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing for 101.6 mm (4") C.I. Pipe	Each	<b>392.00</b>
122	BMW-C.37	Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing for 152.4 mm (6") C.I. Pipe	Each	<b>702.00</b>
123	BMW-C.38	Labour charges only fixing CI soil Offsets with cement caulked joints and fixing as per site requirements with standard practice	Each	<b>35.00</b>
124	BMW-C.39	Supplying & fixing CI floor traps 1st quality ISI marked conforming to IS:1729-1979 with C.P. Grating fixing with white cement as per site requirements with standard practice for 100 mm dia Inlet- 75 mm (3") outlet pipe	Each	<b>300.00</b>
125	BMW-C.40	Supplying & fixing CI floor traps 1st quality ISI marked conforming to IS:1729-1979 with C.P. Grating fixing with white cement as per site requirements with standard practice for 100 mm dia Inlet - 100 mm (4") outlet pipe	Each	<b>358.00</b>
126	BMW-C.41	Supplying & fixing CI Nahany traps 1st quality ISI marked conforming to IS:1729-1979 with C.P. Grating fixing with white cement as per site requirements with standard practice for 100 mm dia Inlet- 75 mm (3") outlet pipe - 4 Kgs	Each	<b>243.00</b>
127	BMW-C.42	Labour charges only for fixing CI Nahany/ Floor traps with C.P. Grating fixing with white cement as per site requirements with standard practice	Each	<b>45.00</b>
128	BMW-C.43	Boxing of Nahany traps in RCC floors	Each	<b>127.00</b>
129	BMW-C.44	Boxing of W.C Trap in R.C.C floors	Each	<b>254.00</b>
130	BMW-C.45	Supplying & fixing CI Collars (double socket) 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for	Each	<b>134.00</b>



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
		76.20 mm (3") C.I. Pipe		
131	BMW-C.46	Supplying & fixing CI Collars (double socket) 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 101.6 mm (4") C.I. Pipe	Each	168.00
132	BMW-C.47	Supplying & fixing CI Collars (double socket) 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 152.4 mm (6") C.I. Pipe	Each	482.00
D		<b>VITREOUS CHINAWARE - SANITARY APPLIANCES as per IS:2556 - 1974</b>		
133	BMW-D.01	Supplying & Fixing Indian pattern white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap Hindware/ Parryware/ Neycer - ISI Mark: <b>580 mm Long</b>	Each	700.00
134	BMW-D.02	Supplying & Fixing Indian pattern white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap Hindware/ Parryware/ Neycer - ISI Mark: <b>630 mm Long</b>	Each	700.00
135	BMW-D.03	Labour charges only for fixing Indian pattern W.C with "P" or "S" trap	Each	230.00
136	BMW-D.04	Supplying & Fixing Orissa Pan white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap Hindware/ Parryware/ Neycer - ISI Mark: <b>580 mm x 440 mm</b>	Each	915.00
137	BMW-D.05	Supplying & Fixing Orissa Pan white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap Hindware/ Parryware/ Neycer - ISI Mark: <b>630 mm x 450 mm</b>	Each	1000.00
138	BMW-D.06	Labour charges only Fixing Orissa pan W.C with "P" or "S" trap	Each	288.00
139	BMW-D.07	Supplying & Fixing porcelain foot rest for squatting I.W.C. (Rectangular pair) of sizes 250 mm x 125 mm x 15 mm thick each foot rest 1st quality ISI marked conforming to IS:2556-Part-10:1974	Pair	170.00
140	BMW-D.08	Labour charges only for fixing porcelain foot rest for squatting I.W.C. (Rectangular pair)	Pair	52.00
141	BMW-D.09	Providing Brick masonry seat for Orissa pan/ Indian W.C. using 2nd class bricks as per standard practice	Each	220.00
142	BMW-D.10	Providing Cement Concrete Squatting plate for Orissa pan/ Indian W.C. in P.C.C. 1:2:4 as per standard practice	Each	65.00
143	BMW-D.11	Supplying & Fixing low down porcelain flushing tank 10 Lit Capacity Hindustan Sanitary ware/ parry/ Neycer with internal components	Each	1700.00
144	BMW-D.12	Labour charges only for fixing low down porcelain flushing tank with internal components	Each	403.00
145	BMW-D.13	Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of Hindustan / Neycer or Parryware make white glazed with 'P' trap	Each	1200.00
146	BMW-D.14	Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of Hindustan / Neycer or Parryware make white glazed with 'S' trap	Each	1250.00
147	BMW-D.15	Labour charges only for fixing European Water Closet with 'P' or 'S' trap as per standard practice	Each	201.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
148	BMW-D.16	Supplying and Fixing best Indian make plastic seat and lid for European water closets with rubber or plastic Buffers as per IS 2548-1996	Each	340.00
149	BMW-D.17	Labour charges only for fixing plastic seat and lid for European water closet	Each	58.00
150	BMW-D.18	Supply, Installation and commissioning approved make floor mounted EWC (suit) CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap 15 mm angle stop cock 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects: <b>White Colour</b>	Each	6500.00
151	BMW-D.19	Supply, Installation and commissioning approved make floor mounted EWC (suit) CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap 15 mm angle stop cock 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects: <b>Coloured - Grade - I/ Grade - II</b>	Each	9500.00
152	BMW-D.20	Supply, Installation and commissioning approved make floor mounted EWC (suit) CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap 15 mm angle stop cock 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects: <b>Special Colour - Grade - III</b>	Each	12100.00
153	BMW-D.21	Supplying & Fixing Indian make Flat Back Wash Hand Basin (HSW/Parryware/ Neycer) 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 660 x 460 mm - Single C.P. Pillar cock	Each	1750.00
154	BMW-D.22	Supplying & Fixing Indian make Flat Back Wash Hand Basin (HSW/Parryware/ Neycer) 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 630 x 450 mm - Single C.P. Pillar cock	Each	1550.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
155	BMW-D.23	Supplying & Fixing Indian make Flat Back Wash Hand Basin (HSW/Parryware/ Neycer) 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 630 x 450 mm - Double C.P. Pillar cock	Each	<b>1900.00</b>
156	BMW-D.24	Supplying & Fixing Indian make Flat Back Wash Hand Basin (HSW/Parryware/ Neycer) 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 550 x 400 mm - Single C.P. Pillar cock	Each	<b>1150.00</b>
157	BMW-D.25	Supplying & Fixing Indian make Flat Back Wash Hand Basin (HSW/Parryware/ Neycer) 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 550 x 400 mm - Double C.P. Pillar cock	Each	<b>1400.00</b>
158	BMW-D.26	Supplying & Fixing Indian make Flat Back Wash Hand Basin (HSW/Parryware/ Neycer) 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 450 x 300 mm - Single C.P. Pillar cock	Each	<b>1000.00</b>
159	BMW-D.27	Supplying & Fixing Indian make Flat Back Wash Hand Basin (HSW/Parryware/ Neycer) 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 450 x 300 mm - Double C.P. Pillar cock	Each	<b>1300.00</b>
160	BMW-D.28	Labour charges only for fixing Indian make Flat Back Wash Hand Basin with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting Pillar Taps complete with standard CI brackets including wooden block	Each	<b>288.00</b>
161	BMW-D.29	Supplying and Fixing Pedestal for Wash Hand Basin (H.S.W / Parry / Earthenware)	Each	<b>810.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
162	BMW-D.30	Labour charges only for fixing pedestal for wash hand basin	Each	104.00
163	BMW-D.31	Supplying & Fixing 31.75 mm C.P bottle trap (Heavy type) Parryware or equivalent	Each	320.00
164	BMW-D.32	Labour charges only for fixing bottle trap to the wash hand basin	Each	40.00
165	BMW-D.33	Supplying & Fixing white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with internal flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995	Each	600.00
166	BMW-D.34	Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete Indian make (HSW/Parry/Neycer) : <b>410 x 265 x 305 mm</b>	Each	1800.00
167	BMW-D.35	Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete Indian make (HSW/Parry/Neycer) : <b>590 x 375 x 390 mm</b>	Each	2000.00
168	BMW-D.36	Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete	Each	115.00
169	BMW-D.37	Supplying & Fixing Indian make white glazed vitreous china porcelain sink conforming to IS:2556-Part-5-1994 on cantilever brackets with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 : <b>600 x 400 x 250</b>	Each	3200.00
170	BMW-D.38	Supplying & Fixing Indian make white glazed vitreous china porcelain sink conforming to IS:2556-Part-5-1994 on cantilever brackets with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 : <b>750 x 450 x 250</b>	Each	3600.00
171	BMW-D.39	Labour charges only for fixing Vitreous china porcelain sinks with waste fittings, rubber plug, chain, cantilever brackets etc.	Each	288.00
172	BMW-D.40	a) S & F 609.6 x 457.2 x 254 mm RCC terrazzo finished sink (or constructed at site with 50.8mm thick) brass plug and chain including CI cantilever brackets	Each	510.00
173	BMW-D.41	b) - do - labour charges only	Each	184.00
E		<b>TAPS &amp; FAUCETS</b>		
174	BMW-E.01	a) S & F 12.7 mm NP stop cock Indian make heavy duty Seiko/ Senior/ Nice/ Senior/ Nice or equivalent	Each	350.00
175	BMW-E.02	b) - do - labour charges only	Each	23.00
176	BMW-E.03	a) S & F concealed stop cock 12.7 mm (1/2") Indian Make heavy duty Seiko/ Senior/ Nice or equivalent	Each	400.00
177	BMW-E.04	b) - do - labour charges only	Each	35.00
178	BMW-E.05	a) S & F angle stop cock 12.7 mm dia first quality Indian Make heavy duty Seiko/ Senior/ Nice or equivalent	Each	350.00
179	BMW-E.06	b) - do - labour charges only	Each	35.00
180	BMW-E.07	a) S&F 12.7 mm N.P bib tap Indian make heavy dutys Seiko/ Senior/ Nice or equivalent	Each	300.00
181	BMW-E.08	b) - do - labour charges only	Each	23.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
182	BMW-E.09	a) S&F 12.7mm N.P bib tap Indian make 3heavy duty	Each	190.00
183	BMW-E.10	b) - do - labour charges only	Each	23.00
184	BMW-E.11	a)S & F 31.75 mm brass plumber Union best Indian first quality	Each	50.00
185	BMW-E.12	b) - do - labour charges only	Each	12.00
186	BMW-E.13	a) S & F 12.7 mm brass stop cock Indian make heavy duty	Each	170.00
187	BMW-E.14	b) - do - labour charges only	Each	23.00
188	BMW-E.15	a) S & F 12.7 mm brass stop cock Indian make heavy duty	Each	150.00
189	BMW-E.16	b) - do - labour charges only	Each	23.00
190	BMW-E.17	a) S & F 12.7 mm brass bib cock Indian make heavy duty	Each	170.00
191	BMW-E.18	b) - do - labour charges only	Each	23.00
192	BMW-E.19	a) S & F 12.7 mm brass bib cock Indian make heavy duty	Each	150.00
193	BMW-E.20	b) - do - labour charges only	Each	23.00
194	BMW-E.21	S & F CP Long body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make Seiko/ Senior/ Nice or equivalent	Each	470.00
195	BMW-E.22	S & F CP Short body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make Seiko/ Senior/ Nice or equivalent	Each	450.00
196	BMW-E.23	S & F 12.7mm heavy duty dia high neck pillar cock 1st quality Indian make Seiko/ Senior/ Nice or equivalent	Each	860.00
197	BMW-E.24	a) S & F 12.7 mm heavy duty NP Swan Neck Pillar cock Seiko/ Senior/ Nice or equivalent	Each	860.00
198	BMW-E.25	b) - do - labour charges only	Each	40.00
199	BMW-E.26	a) S & F 12.7 mm heavy duty NP Sink cock Seiko/ Senior/ Nice or equivalent	Each	860.00
200	BMW-E.27	b) - do - labour charges only	Each	29.00
201	BMW-E.28	S&F 12.7 mm dia NP pillar cock heavy duty 1st quality Indian make Seiko/ Senior/ Nice or equivalent	Each	450.00
202	BMW-E.29	S&F 12.7 mm dia NP push cock 1st quality	Each	200.00
203	BMW-E.30	S&F 12.7 mm dia NP lift cock 1st quality	Each	175.00
204	BMW-E.31	a)S & F 38.1 mm C.P waste coupling Half or Full Thread 1st Quality Indian make Parryware or equivalent	Each	175.00
205	BMW-E.32	b) - do - labour charges only	Each	23.00
206	BMW-E.33	a) S & F 31.75 mm PVC bottle trap	Each	105.00
207	BMW-E.34	b) - do - labour charges only	Each	23.00
208	BMW-E.35	a) S& F 38.1 mm brass plumber union	Each	50.00
209	BMW-E.36	b) - do - labour charges only	Each	12.00
210	BMW-E.37	a)S & F 19.05 mm heavy duty NP stop cock Indian make with ISI mark Seiko/ Senior/ Nice or equivalent	Each	450.00
211	BMW-E.38	b) - do - labour charges only	Each	23.00
F		<b>G.I. PIPES &amp; FITTINGS</b>		
212	BMW-F.01	S& F GI union 12.7 mm 1st Quality	Each	29.00
213	BMW-F.02	S& F GI union 19.05 mm 1st Quality	Each	35.00
214	BMW-F.03	S& F GI union 25.4 mm 1st Quality	Each	53.00
215	BMW-F.04	S& F GI union 31.75 mm 1st Quality	Each	66.00
216	BMW-F.05	S& F GI union 38.1 mm 1st Quality	Each	79.00
217	BMW-F.06	S& F GI union 50.8 mm 1st Quality	Each	97.00
218	BMW-F.07	S& F GI connector 25.4 mm dia	Each	58.00
219	BMW-F.08	S& F 12.7 mm GI 'T' A class 1st quality	Each	36.00
220	BMW-F.09	S& F 31.75 mm dia GI bend 1st quality	Each	53.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
221	BMW-F.10	S & F 31.75 mm dia GI 'T' 1st Quality	Each	52.00
222	BMW-F.11	a) S & F 25.4 mm copper ball cock ith PVC ball Indian make ISI mark	Each	303.00
223	BMW-F.12	b) - do - labour charges only	Each	36.00
224	BMW-F.13	a) S & F 19.05 mm copper ball cock ith PVC ball Indian make ISI mark	Each	248.00
225	BMW-F.14	b) - do - labour charges only	Each	33.00
226	BMW-F.15	a) S & F 12.7 mm copper ball cock ith PVC ball Indian make ISI mark	Each	160.00
227	BMW-F.16	b) - do - labour charges only	Each	36.00
228	BMW-F.17	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 25 mm NB Size	Each	530.00
229	BMW-F.18	b) - do - labour charges only	Each	36.00
230	BMW-F.19	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 20 mm NB Size	Each	360.00
231	BMW-F.20	b) - do - labour charges only	Each	36.00
232	BMW-F.21	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 15 mm NB Size	Each	266.00
233	BMW-F.22	b) - do - labour charges only	Each	36.00
234	BMW-F.23	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 32 mm NB Size	Each	793.00
235	BMW-F.24	b) - do - labour charges only	Each	36.00
236	BMW-F.25	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 40 mm NB Size	Each	1081.00
237	BMW-F.26	b) - do - labour charges only	Each	55.00
238	BMW-F.27	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 50 mm NB Size	Each	1561.00
239	BMW-F.28	b) - do - labour charges only	Each	74.00
240	BMW-F.29	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 65 mm NB Size	Each	2977.00
241	BMW-F.30	b) - do - labour charges only	Each	92.00
242	BMW-F.31	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 80 mm NB Size	Each	4213.00
243	BMW-F.32	b) - do - labour charges only	Each	109.00
244	BMW-F.33	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 15 mm NB Size	Each	233.00
245	BMW-F.34	b) - do - labour charges only	Each	46.00
246	BMW-F.35	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 25 mm NB Size	Each	497.00
247	BMW-F.36	b) - do - labour charges only	Each	55.00
248	BMW-F.37	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 40 mm NB Size	Each	1092.00
249	BMW-F.38	b) - do - labour charges only	Each	92.00
250	BMW-F.39	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 50 mm NB Size	Each	1569.00
251	BMW-F.40	b) - do - labour charges only	Each	92.00
252	BMW-F.41	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 20 mm NB Size	Each	322.00
253	BMW-F.42	b) - do - labour charges only	Each	44.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
254	BMW-F.43	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 15 mm NB Size	Each	177.00
255	BMW-F.44	b) - do - labour charges only	Each	44.00
256	BMW-F.45	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 20 mm NB Size	Each	237.00
257	BMW-F.46	b) - do - labour charges only	Each	44.00
258	BMW-F.47	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 25 mm NB Size	Each	314.00
259	BMW-F.48	b) - do - labour charges only	Each	44.00
260	BMW-F.49	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 32 mm NB Size	Each	469.00
261	BMW-F.50	b) - do - labour charges only	Each	44.00
262	BMW-F.51	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 40 mm NB Size	Each	705.00
263	BMW-F.52	b) - do - labour charges only	Each	44.00
264	BMW-F.53	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 50 mm NB Size	Each	1021.00
265	BMW-F.54	b) - do - labour charges only	Each	44.00
266	BMW-F.55	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 15 mm NB Size	Each	276.00
267	BMW-F.56	b) - do - labour charges only	Each	44.00
268	BMW-F.57	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 20 mm NB Size	Each	360.00
269	BMW-F.58	b) - do - labour charges only	Each	44.00
270	BMW-F.59	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 25 mm NB Size	Each	529.00
271	BMW-F.60	b) - do - labour charges only	Each	44.00
272	BMW-F.61	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 32 mm NB Size	Each	959.00
273	BMW-F.62	b) - do - labour charges only	Each	44.00
274	BMW-F.63	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 40 mm NB Size	Each	1440.00
275	BMW-F.64	b) - do - labour charges only	Each	44.00
276	BMW-F.65	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 50 mm NB Size	Each	2519.00
277	BMW-F.66	b) - do - labour charges only	Each	44.00
278	BMW-F.67	a) S& F 15 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	118.00
279	BMW-F.68	b) - do - labour charges only	1 RM	33.00
280	BMW-F.69	a) S& F 20 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	136.00
281	BMW-F.70	b) - do - labour charges only	1 RM	33.00
282	BMW-F.71	a) S& F 25 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	178.00
283	BMW-F.72	b) - do - labour charges only	1 RM	33.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
284	BMW-F.73	a) S& F 32 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	249.00
285	BMW-F.74	b) - do - labour charges only	1 RM	33.00
286	BMW-F.75	a) S& F 40 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	281.00
287	BMW-F.76	b) - do - labour charges only	1 RM	36.00
288	BMW-F.77	a) S& F 50 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	306.00
289	BMW-F.78	b) - do - labour charges only	1 RM	55.00
290	BMW-F.79	a) S& F 15 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	131.00
291	BMW-F.80	b) - do - labour charges only	1 RM	33.00
292	BMW-F.81	a) S& F 20 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	146.00
293	BMW-F.82	b) - do - labour charges only	1 RM	33.00
294	BMW-F.83	a) S& F 25 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	191.00
295	BMW-F.84	b) - do - labour charges only	1 RM	33.00
296	BMW-F.85	a) S& F 32 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	269.00
297	BMW-F.86	b) - do - labour charges only	1 RM	33.00
298	BMW-F.87	a) S& F 40 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	301.00
299	BMW-F.88	b) - do - labour charges only	1 RM	36.00
300	BMW-F.89	a) S& F 50 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	324.00
301	BMW-F.90	b) - do - labour charges only	1 RM	55.00
302	BMW-F.91	S & F 65 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 with GI fittings such as elbows tees couplings, nipples, plugs including excavation for trenches and refilling the trenches complete except for GI bends union and GI connectors with checkout and socket Tata or Zenith make or equivalent.	1 RM	575.00
303	BMW-F.92	a)S & F 12.7 mm holder bat clamps	Each	9.00
304	BMW-F.93	b) - do - labour charges only	Each	6.00
305	BMW-F.94	a)S & F 19.05 mm holder bat clamps	Each	14.00
306	BMW-F.95	b) - do - labour charges only	Each	6.00
307	BMW-F.96	a)S & F 25.4 mm holder bat clamps	Each	17.00
308	BMW-F.97	b) - do - labour charges only	Each	6.00
309	BMW-F.98	a)S & F 38.1 mm holder bat clamps	Each	21.00



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
310	BMW-F.99	b) - do - labour charges only	Each	7.00
311	BMW-F.100	a) S & F 12.7 x 152.0 mm NP shower rose heavy	Each	132.00
312	BMW-F.101	b) - do - labour charges only	Each	16.00
313	BMW-F.102	a) S & F 12.7 x 137.0 mm NP shower rose heavy	Each	127.00
314	BMW-F.103	b) - do - labour charges only	Each	18.00
315	BMW-F.104	a) S & F 12.7 x 101.6 mm NP shower rose heavy	Each	121.00
316	BMW-F.105	b) - do - labour charges only	Each	18.00
317	BMW-F.106	a) S & F 12.7 x 88.9 CP fancy shower	Each	215.00
318	BMW-F.107	b) - do - labour charges only	Each	18.00
319	BMW-F.108	a) Supplying & fixing 12.7 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	30.00
320	BMW-F.109	b) - do - labour charges only	Each	18.00
321	BMW-F.110	a) Supplying & fixing 19.05 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	44.00
322	BMW-F.111	b) - do - labour charges only	Each	17.00
323	BMW-F.112	a) Supplying & fixing 25.4 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	52.00
324	BMW-F.113	b) - do - labour charges only	Each	20.00
325	BMW-F.114	a) Taking branch water connection from the existing 25.4 mm GI pipe including cutting threading, etc, complete with fitting	Each	102.00
326	BMW-F.115	b) - do - labour charges only	Each	33.00
327	BMW-F.116	a) Taking branch water connection from the existing 19.05 mm GI pipe including cutting threading, etc, complete with fitting,	Each	58.00
328	BMW-F.117	b) - do - labour charges only	Each	30.00
329	BMW-F.118	a) Taking branch water connection from the existing 12.7 mm GI pipe including cutting threading, etc, complete with fitting,	Each	44.00
330	BMW-F.119	b) - do - labour charges only	Each	25.00
331	BMW-F.120	Supplying & fixing leather washers for 12.7 mm bib tap and stop cock	Each	1.00
332	BMW-F.121	Supplying & fixing leather washers for 19.05 mm bib tap and stop cock	Each	3.00
333	BMW-F.122	Supplying & Fixing 12.7 mm fibre washers	Each	3.00
334	BMW-F.123	Supplying & Fixing 19.05 mm fibre washers	Each	3.00
G		<b>PVC PIPES &amp; FITTINGS</b>		
335	BMW-G.01	a) Providing & Placing on Terrace (at all floor levels) polyethylene water storage tank with Double layer approved brand & manufacture with cover and suitable locking arrangement & making necessary holes for inlet & outlets and over flow pipes but without fittings & base support for tanks	1 Lit	4.40
336	BMW-G.02	b) - do - labour charges only	1 Lit	0.44
337	BMW-G.03	Supply of Plastic storage tank lid with hinges	Each	60.00
338	BMW-G.04	Supply & Fixing 76.2 mm dia PVC elbow 1st quality	Each	37.00
339	BMW-G.05	Supply & fixing 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality	Each	21.00
340	BMW-G.06	Supply & Fixing 38.1 mm dia PVC solid waste pipe outlet	Each	70.00
341	BMW-G.07	Supply & fixing Fancy PVC shelf including all fittings	Each	168.00
342	BMW-G.08	Supply & fixing of PVC low level system parry ware, slim line with internal components & short bend: <b>10 Litres capacity Single Flush</b>	Each	1150.00

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343	BMW-G.09	Supply & fixing of PVC low level system parry ware, slim line with internal components & short bend: <b>10 litres capacity Dual Flush</b>	Each	<b>1350.00</b>
344	BMW-G.10	Supply & fixing of PVC low level system parry ware, slim line with internal components & short bend: <b>8 Litres capacity single Flush</b>	Each	<b>650.00</b>
345	BMW-G.11	75 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>202.00</b>
346	BMW-G.12	90 mm dia 3 M single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>320.00</b>
347	BMW-G.13	110 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>383.00</b>
348	BMW-G.14	75 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>228.00</b>
349	BMW-G.15	90 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>363.00</b>
350	BMW-G.16	110 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>444.00</b>
351	BMW-G.17	75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>142.00</b>
352	BMW-G.18	90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>219.00</b>
353	BMW-G.19	110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>272.00</b>
354	BMW-G.20	75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>151.00</b>
355	BMW-G.21	90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>232.00</b>
356	BMW-G.22	110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>282.00</b>
357	BMW-G.23	75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>104.00</b>
358	BMW-G.24	90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>160.00</b>
359	BMW-G.25	110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>192.00</b>
360	BMW-G.26	75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>88.00</b>
361	BMW-G.27	90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>129.00</b>
362	BMW-G.28	110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>166.00</b>
363	BMW-G.29	75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>53.00</b>
364	BMW-G.30	90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>89.00</b>
365	BMW-G.31	110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>110.00</b>
366	BMW-G.32	160 MM dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	<b>911.00</b>

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367	BMW-G.33	75 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	342.00
368	BMW-G.34	90 mm dia 3 M single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	550.00
369	BMW-G.35	110 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	655.00
370	BMW-G.36	75 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	374.00
371	BMW-G.37	90 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	593.00
372	BMW-G.38	110 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	723.00
373	BMW-G.39	75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	224.00
374	BMW-G.40	90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	349.00
375	BMW-G.41	110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	415.00
376	BMW-G.42	75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	239.00
377	BMW-G.43	90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	363.00
378	BMW-G.44	110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	448.00
379	BMW-G.45	75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	162.00
380	BMW-G.46	90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	251.00
381	BMW-G.47	110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	306.00
382	BMW-G.48	75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	140.00
383	BMW-G.49	90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	205.00
384	BMW-G.50	110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	248.00
385	BMW-G.51	75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	90.00
386	BMW-G.52	90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	141.00
387	BMW-G.53	110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	179.00
388	BMW-G.54	160 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	Each	1490.00
389	BMW-G.55	75 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	39.00
390	BMW-G.56	90 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	56.00
391	BMW-G.57	110 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	65.00

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392	BMW-G.58	75 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	53.00
393	BMW-G.59	90 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	75.00
394	BMW-G.60	110 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	84.00
395	BMW-G.61	75 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	30.00
396	BMW-G.62	90 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	43.00
397	BMW-G.63	110 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	56.00
398	BMW-G.64	75 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	53.00
399	BMW-G.65	90 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	77.00
400	BMW-G.66	110 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	93.00
401	BMW-G.67	75 mm dia - Single Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	47.00
402	BMW-G.68	90 mm dia - Single Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	70.00
403	BMW-G.69	110 mm dia - Single Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	85.00
404	BMW-G.70	75 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	57.00
405	BMW-G.71	90 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	85.00
406	BMW-G.72	110 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	103.00
407	BMW-G.73	75 mm dia - Double Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	99.00
408	BMW-G.74	90 mm dia - Double Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	144.00
409	BMW-G.75	110 mm dia - Double Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	205.00
410	BMW-G.76	75 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	158.00
411	BMW-G.77	90 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	226.00
412	BMW-G.78	110 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	233.00
413	BMW-G.79	75 mm dia - Single 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	58.00
414	BMW-G.80	90 mm dia - Single 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	93.00
415	BMW-G.81	110 mm dia - Single 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	108.00
416	BMW-G.82	75 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	75.00

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417	BMW-G.83	90 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	117.00
418	BMW-G.84	110 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	135.00
419	BMW-G.85	75 mm dia - Double 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	81.00
420	BMW-G.86	90 mm dia - Double 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	125.00
421	BMW-G.87	110 mm dia - Double 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	142.00
422	BMW-G.88	75 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	104.00
423	BMW-G.89	90 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	163.00
424	BMW-G.90	110 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	183.00
425	BMW-G.91	75 mm dia - Coupler - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	28.00
426	BMW-G.92	90 mm dia - Coupler - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	40.00
427	BMW-G.93	110 mm dia - Coupler - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	45.00
428	BMW-G.94	90 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	47.00
429	BMW-G.95	110 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	45.00
430	BMW-G.96	90 x 110 mm dia - Reducer - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	63.00
431	BMW-G.97	63 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	7.00
432	BMW-G.98	75 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	11.00
433	BMW-G.99	90 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	13.00
434	BMW-G.100	110 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	15.00
435	BMW-G.101	40 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand) - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	9.00
436	BMW-G.102	50 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	11.00
437	BMW-G.103	63 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	11.00
438	BMW-G.104	75 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	12.00
439	BMW-G.105	90 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	13.00
440	BMW-G.106	110 mm - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	14.00

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441	BMW-G.107	160 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	28.00
442	BMW-G.108	P' Trap ( Small without Air vent ) 110 mm - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	149.00
443	BMW-G.109	P' Trap ( Small with Air vent ) 110 mm - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	164.00
444	BMW-G.110	P' Trap (Big with Air vent ) 110 mm - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	188.00
445	BMW-G.111	P' Trap ( Big without Air vent ) 110 mm - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	173.00
446	BMW-G.112	Floor Trap (Bell Mouth ) 110 mm - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	179.00
447	BMW-G.113	Bell Mouth Trap 7 " ( 177.8 mm) - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	261.00
448	BMW-G.114	4" (101.6 mm ) Nahany Trap ( Without Jali with inlet)UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	89.00
449	BMW-G.115	3" (76.2 mm) Nahany Trap (without Jali without inlet)UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	69.00
450	BMW-G.116	4" (101.6 mm) Nahany Trap (without inlet without Jali)UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	85.00
451	BMW-G.117	Mini Trap - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	42.00
452	BMW-G.118	3" (76.2 mm) Nahany Trap with Jali - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	81.00
453	BMW-G.119	4" (101.6 mm) multi floor trap with Jali- UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	114.00
454	BMW-G.120	4" (101.6) multi floor trap without Jalli- UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	89.00
455	BMW-G.121	Round Jali - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	19.00
456	BMW-G.122	Square tile & Jalli - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	30.00
457	BMW-G.123	Pipe connector (with LIP ring) - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	119.00
458	BMW-G.124	Pipe connector (without LIP ring) - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	92.00
459	BMW-G.125	4" (101.6 mm) Floor Trap - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	109.00
460	BMW-G.126	5" (127.mm) floor Trap - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	116.00
461	BMW-G.127	75 mm dia - Door cap - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	45.00
462	BMW-G.128	90 mm dia - Door cap - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	50.00
463	BMW-G.129	110 mm dia - Door cap - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	58.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
464	BMW-G.130	75 mm dia - Socket plug - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	42.00
465	BMW-G.131	90 mm dia - Socket plug - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	48.00
466	BMW-G.132	110 mm dia - Socket plug - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	50.00
467	BMW-G.133	75 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	6.00
468	BMW-G.134	90 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	7.00
469	BMW-G.135	110 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	9.00
470	BMW-G.136	75 mm dia - Door Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	7.00
471	BMW-G.137	90 mm dia - Door Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	9.00
472	BMW-G.138	110 mm dia - Door Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	11.00
473	BMW-G.139	LIP ring 110 mm - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	55.00
474	BMW-G.140	Rubber Lubricant - 100 Grams	Each	23.00
475	BMW-G.141	Rubber Lubricant - 250 Grams	Each	51.00
476	BMW-G.142	Rubber Lubricant - 500 Grams	Each	93.00
477	BMW-G.143	Rubber Lubricant - 1000 Grams	Each	173.00
478	BMW-G.144	P' Trap with lip UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	236.00
479	BMW-G.145	50 ml - Solvent Cement	Each	12.00
480	BMW-G.146	100 ml - Solvent Cement	Each	20.00
481	BMW-G.147	250 ml - Solvent Cement	Each	47.00
482	BMW-G.148	500 ml - Solvent Cement	Each	91.00
483	BMW-G.149	1000 ml - Solvent Cement	Each	179.00
484	BMW-G.150	110mm x 90 mm - Internal Reducer - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	71.00
485	BMW-G.151	160 mm x 110 mm - Internal Reducer - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	Each	177.00
486	BMW-G.152	Labour charges for laying, fixing and commissioning the PVC pipes including couplers/ bends/ tees etc any diameter including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with solvent jointing as per standard practice	1 RM	58.00
H		<b>CENTRIFUGAL CAST IRON PIPES &amp; FITTINGS AS PER IS: 3989 - 1984</b>		
487	BMW-H.01	75 mm dia CI (spun) soils Waste & Ventilating pipe (3 M)	Each	1024.00
488	BMW-H.02	100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M)	Each	1364.00
489	BMW-H.03	150 mm dia CI (spun) soils Waste & Ventilating pipe (3 M)	Each	2501.00
490	BMW-H.04	75 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket	Each	1137.00
491	BMW-H.05	100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket	Each	1535.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
492	BMW-H.06	75 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes	Each	922.00
493	BMW-H.07	100 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes	Each	1230.00
494	BMW-H.08	75 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes	Each	824.00
495	BMW-H.09	100 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes	Each	1096.00
496	BMW-H.10	75 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes	Each	671.00
497	BMW-H.11	100 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes	Each	875.00
498	BMW-H.12	75 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes	Each	705.00
499	BMW-H.13	100 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes	Each	875.00
500	BMW-H.14	75 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings	Each	244.00
501	BMW-H.15	100 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings	Each	281.00
502	BMW-H.16	75 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	350.00
503	BMW-H.17	100 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	403.00
504	BMW-H.18	150 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	769.00
505	BMW-H.19	75 mm dia Cut pipes (pieces ) 2 feet (609.6 mm) CI (Spun) fittings	Each	483.00
506	BMW-H.20	100 mm dia Cut pipes (pieces ) 2 feet (609.6 mm) CI (Spun) fittings	Each	534.00
507	BMW-H.21	150 mm dia Cut pipes (pieces ) 2 feet (609.6 mm) CI (Spun) fittings	Each	963.00
508	BMW-H.22	75 mm dia Cut pipes (pieces ) 3 feet (914.4 mm) CI (Spun) fittings	Each	741.00
509	BMW-H.23	100 mm dia Cut pipes (pieces ) 3 feet (914.4 mm) CI (Spun) fittings	Each	999.00
510	BMW-H.24	75 mm dia Cut pipes (pieces ) 4 feet (1219.2 mm) CI (Spun) fittings	Each	815.00
511	BMW-H.25	100 mm dia Cut pipes (pieces ) 4 feet (1219.2 mm) CI (Spun) fittings	Each	1220.00
512	BMW-H.26	75 mm dia Plain Bend - CI (Spun) fittings	Each	251.00
513	BMW-H.27	100 mm dia Plain Bend - CI (Spun) fittings	Each	296.00
514	BMW-H.28	150 mm dia Plain Bend - CI (Spun) fittings	Each	706.00
515	BMW-H.29	75 mm dia Door Bend - CI (Spun) fittings	Each	260.00
516	BMW-H.30	100 mm dia Door Bend - CI (Spun) fittings	Each	337.00
517	BMW-H.31	150 mm dia Door Bend - CI (Spun) fittings	Each	772.00
518	BMW-H.32	75 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	251.00
519	BMW-H.33	100 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	296.00
520	BMW-H.34	150 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	706.00
521	BMW-H.35	75 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	260.00
522	BMW-H.36	100 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	337.00
523	BMW-H.37	150 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	772.00
524	BMW-H.38	Horn Bend Plain 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings	Each	512.00
525	BMW-H.39	Horn Bend door 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings	Each	597.00
526	BMW-H.40	75 mm dia Heel Rest Bend - CI (Spun) fittings	Each	268.00
527	BMW-H.41	100 mm dia Heel Rest Bend - CI (Spun) fittings	Each	343.00



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
528	BMW-H.42	150 mm dia Heel Rest Bend - CI (Spun) fittings	Each	727.00
529	BMW-H.43	75 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	337.00
530	BMW-H.44	100 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	456.00
531	BMW-H.45	150 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	939.00
532	BMW-H.46	75 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	397.00
533	BMW-H.47	100 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	528.00
534	BMW-H.48	150 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	992.00
535	BMW-H.49	75 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	397.00
536	BMW-H.50	100 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	528.00
537	BMW-H.51	150 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	1164.00
538	BMW-H.52	75 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	436.00
539	BMW-H.53	100 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	583.00
540	BMW-H.54	150 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	1255.00
541	BMW-H.55	75 mm dia Double Branch Plain "T" - CI (Spun) fittings	Each	461.00
542	BMW-H.56	100 mm dia Double Branch Plain "T" - CI (Spun) fittings	Each	621.00
543	BMW-H.57	75 mm dia Double Branch Door "T" - CI (Spun) fittings	Each	514.00
544	BMW-H.58	100 mm dia Double Branch Door "T" - CI (Spun) fittings	Each	647.00
545	BMW-H.59	75 mm dia Double Branch Plain "Y" - CI (Spun) fittings	Each	514.00
546	BMW-H.60	100 mm dia Double Branch Plain "Y" - CI (Spun) fittings	Each	647.00
547	BMW-H.61	75 mm dia Double Branch Door "Y" - CI (Spun) fittings	Each	542.00
548	BMW-H.62	100 mm dia Double Branch Door "Y" - CI (Spun) fittings	Each	702.00
549	BMW-H.63	75 mm dia Shoe Bend - CI (Spun) fittings	Each	317.00
550	BMW-H.64	100 mm dia Shoe Bend - CI (Spun) fittings	Each	371.00
551	BMW-H.65	150 mm dia Shoe Bend - CI (Spun) fittings	Each	755.00
552	BMW-H.66	75 mm dia Collar - CI (Spun) fittings	Each	217.00
553	BMW-H.67	100 mm dia Collar - CI (Spun) fittings	Each	264.00
554	BMW-H.68	150 mm dia Collar - CI (Spun) fittings	Each	542.00
555	BMW-H.69	75 mm dia Cowl - CI (Spun) fittings	Each	192.00
556	BMW-H.70	100 mm dia Cowl - CI (Spun) fittings	Each	217.00
557	BMW-H.71	150 mm dia Cowl - CI (Spun) fittings	Each	488.00
558	BMW-H.72	75 mm dia Offset 3" (76.2 mm ) projection - CI (Spun) fittings	Each	278.00
559	BMW-H.73	100 mm dia Offset 3" (76.2 mm ) projection - CI (Spun) fittings	Each	337.00
560	BMW-H.74	150 mm dia Offset 3" (76.2 mm ) projection - CI (Spun) fittings	Each	682.00
561	BMW-H.75	75 mm dia Offset 6" (152.4mm ) projection - CI (Spun) fittings	Each	304.00
562	BMW-H.76	100 mm dia Offset 6" (152.4mm ) projection - CI (Spun) fittings	Each	397.00
563	BMW-H.77	150 mm dia Offset 6" (152.4mm ) projection - CI (Spun) fittings	Each	793.00
564	BMW-H.78	75 mm dia Long Door Bend - CI (Spun) fittings	Each	639.00
565	BMW-H.79	100 mm dia Long Door Bend - CI (Spun) fittings	Each	688.00
566	BMW-H.80	75 mm dia Hand Hole pipe ( Inspection pipe)	Each	368.00
567	BMW-H.81	100 mm dia Hand Hole pipe ( Inspection pipe)	Each	500.00
568	BMW-H.82	150 mm dia Hand Hole pipe ( Inspection pipe)	Each	666.00
569	BMW-H.83	75 mm dia P Traps - CI (Spun) fittings	Each	397.00
570	BMW-H.84	100 mm dia P Traps - CI (Spun) fittings	Each	545.00
571	BMW-H.85	4" x 3" (101.6 mm x 76.2mm ) P. Traps 100 mm dia - CI (Spun) fittings	Each	625.00
572	BMW-H.86	4" x 3" (101.6 mm x 76.2mm ) Vent Traps 100 mm dia - CI (Spun) fittings	Each	625.00
573	BMW-H.87	4" x 3" (101.6 mm x 76.2mm ) Reducer 75 mm dia - CI (Spun)	Each	388.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
		fittings		
574	BMW-H.88	6" x 4" (152.4 mm x101.6 mm ) Reducer 75 mm dia - CI (Spun) fittings	Each	<b>531.00</b>
575	BMW-H.89	3" x 2" ( 76.2 mm x 50.8 mm ) plain T 75 mm dia - CI (Spun) fittings	Each	<b>332.00</b>
576	BMW-H.90	3" x 2" ( 76.2 mm x 50.8 mm ) Door T 75 mm dia - CI (Spun) fittings	Each	<b>517.00</b>
577	BMW-H.91	3" x 2" ( 76.2 mm x 50.8 mm ) Plain Y 75 mm dia - CI (Spun) fittings	Each	<b>517.00</b>
578	BMW-H.92	3" x 2" ( 76.2 mm x 50.8 mm ) Door Y 75 mm dia - CI (Spun) fittings	Each	<b>517.00</b>
579	BMW-H.93	4" x 3" (101.6 mm x 76.2mm ) Plain T 75 mm dia - CI (Spun) fittings	Each	<b>517.00</b>
580	BMW-H.94	4" x 3" (101.6 mm x 76.2mm ) Door T 75 mm dia - CI (Spun) fittings	Each	<b>549.00</b>
581	BMW-H.95	4" x 3" (101.6 mm x 76.2mm ) Plain Y 75 mm dia - CI (Spun) fittings	Each	<b>549.00</b>
582	BMW-H.96	4" x 3" (101.6 mm x 76.2mm ) Door Y 75 mm dia - CI (Spun) fittings	Each	<b>586.00</b>
583	BMW-H.97	6" x 4" (152.4 mm x101.6 mm ) Plain T 75 mm dia - CI (Spun) fittings	Each	<b>767.00</b>
584	BMW-H.98	6" x 4" (152.4 mm x101.6 mm ) Door T 75 mm dia - CI (Spun) fittings	Each	<b>830.00</b>
585	BMW-H.99	6" x 4" (152.4 mm x101.6 mm ) Plain Y 75 mm dia - CI (Spun) fittings	Each	<b>878.00</b>
586	BMW-H.100	6" x 4" (152.4 mm x101.6 mm ) Door Y 75 mm dia - CI (Spun) fittings	Each	<b>1074.00</b>
587	BMW-H.101	75 mm dia Plain " T" 27 " (685.8 mm ) Special Types of Long Fittings	Each	<b>1113.00</b>
588	BMW-H.102	100 mm dia - Plain " T" 27 " (685.8 mm ) Special Types of Long CI (Spun) fittings	Each	<b>1563.00</b>
589	BMW-H.103	75 mm dia Door "T" 27" (685.8 mm ) Special Types of Long CI (Spun) fittings	Each	<b>1243.00</b>
590	BMW-H.104	100mm dia Door "T" 27" (685.8 mm ) Special Types of Long CI (Spun) fittings	Each	<b>1717.00</b>
591	BMW-H.105	75 mm dia Plain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	<b>1243.00</b>
592	BMW-H.106	100mm dia Plain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	<b>1717.00</b>
593	BMW-H.107	75 mm dia Door " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	<b>1386.00</b>
594	BMW-H.108	100mm dia Door " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	<b>1885.00</b>
I		<b>MISCELLANEOUS ITEMS</b>		
595	BMW-I.01	a) Supplying & Fixing solder joints up to 50.8 mm dia	Each	<b>45.00</b>
596	BMW-I.02	b) - do - labour charges only	Each	<b>16.00</b>
597	BMW-I.03	a) Supplying & Fixing solution joints up to 50.8 dia 1st quality.	Each	<b>9.00</b>
598	BMW-I.04	b) - do - labour charges only	Each	<b>2.30</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
599	BMW-I.05	Chiselling the stone masonry wall for fixing of wooden blocks including finishing as directed by the department	Each	24.00
600	BMW-I.06	Chiselling the stone masonry wall and repairs as directed by the department.	1 Rm	113.00
601	BMW-I.07	Chiselling the brick masonry wall and repairs as directed by the department.	1 Rm	24.00
602	BMW-I.08	a) S & F NP telephonic shower spray set & valve mixer with rest and all fittings complete (ARK/ESSCO or equivalent make)	Each	1599.00
603	BMW-I.09	b) - do - labour charges only	Each	329.00
604	BMW-I.10	a) S & F NP shower spray fancy with NP Flexible pipe	Each	425.00
605	BMW-I.11	b) - do - labour charges only	Each	109.00
606	BMW-I.12	a) S & F NP cover for Nahany trap	Each	23.00
607	BMW-I.13	b) - do - labour charges only	Each	15.00
608	BMW-I.14	a) Painting the flushing tank with white enamel paint	Each	77.00
609	BMW-I.15	b) - do - labour charges only	Each	52.00
610	BMW-I.16	S & F internal fittings for flush tank Parryplast wonder flush or equivalent	Each	484.00
611	BMW-I.17	Repairing and over hauling flushing tank	Each	74.00
612	BMW-I.18	a) Supplying & Fixing NP chain rubber and plug for basin	Each	30.00
613	BMW-I.19	b) - do - labour charges only	Each	6.00
614	BMW-I.20	a) S & F 25.4 mm dia & 609.6 mm long aluminium anodized towel rod with brackets and aluminium screws	Each	121.00
615	BMW-I.21	b) - do - labour charges only	Each	36.00
616	BMW-I.22	a) S & F 19.04 mm dia & 609.6 mm long aluminium anodized towel rod with brackets and aluminium screws	Each	105.00
617	BMW-I.23	b) - do - labour charges only	Each	55.00
618	BMW-I.24	a) S & F 609.6 mm long 127 mm wide plate glass shelf with superior quality aluminium railing complete with aluminium screws	Each	154.00
619	BMW-I.25	b) - do - labour charges only	Each	46.00
620	BMW-I.26	a) S & F 609.6 mm long 127 mm wide plate glass shelf only	Each	50.00
621	BMW-I.27	b) - do - labour charges only	Each	9.00
622	BMW-I.28	a) S & F NP soap dish heavy type with NP SCREWS	Each	179.00
623	BMW-I.29	b) - do - labour charges only	Each	10.00
624	BMW-I.30	a) S & F NP holder brackets with screws	Each	36.00
625	BMW-I.31	b) - do - labour charges only	Each	12.00
626	BMW-I.32	a) S & F liquid soap container NP metallic with NP brackets and screws.	Each	179.00
627	BMW-I.33	b) - do - labour charges only	Each	18.00
628	BMW-I.34	a) S & F 31.75 mm C.P TRAPS	Each	231.00
629	BMW-I.35	b) - do - labour charges only	Each	36.00
630	BMW-I.36	a) Supplying & fixing 88.9 mm A.C cowl	Each	52.00
631	BMW-I.37	b) - do - labour charges only	Each	12.00
632	BMW-I.38	a) Supplying & fixing A.C Cowl 63.5 mm dia	Each	36.00
633	BMW-I.39	b) - do - labour charges only	Each	9.00
634	BMW-I.40	Removing and refixing W.C s	Each	194.00
635	BMW-I.41	Removing and refixing wash hand basins of any size with fittings complete	Each	174.00
636	BMW-I.42	a) S & F 76.2 x 101.6 mm teak wood block complete	Each	19.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
637	BMW-I.43	b) - do - labour charges only	Each	7.00
638	BMW-I.44	Cutting holes in C.C; basement & repairs Labour charges only	Each	82.00
639	BMW-I.45	Cutting holes in stone masonry & basement and repairs Labour charges only	Each	55.00
640	BMW-I.46	Cutting holes in Brick masonry & repairs Labour charges only	Each	36.00
641	BMW-I.47	Cutting holes in RCC slab floor & repairs Labour charges only	Each	55.00
642	BMW-I.48	a) Supplying & Fixing 12.7 mm PVC connection with brass union nut C.P coated	Each	74.00
643	BMW-I.49	b) - do - labour charges only	Each	16.00
644	BMW-I.50	a) S & F 12.7 mm .M.P couplings	Each	26.00
645	BMW-I.51	b) - do - labour charges only	Each	9.00
646	BMW-I.52	a) S & F 19.05 mm M.P couplings	Each	30.00
647	BMW-I.53	b) - do - labour charges only	Each	9.00
648	BMW-I.54	a) S& F MP coupling 25.4 mm dia	Each	70.00
649	BMW-I.55	a) S & F PVC Rubber adopter for LLC and bend	Each	14.00
650	BMW-I.56	b) - do - labour charges only	Each	6.00
651	BMW-I.57	a) S& F 31.75 mm Brass union nuts	Each	26.00
652	BMW-I.58	b) - do - labour charges only	Each	6.00
653	BMW-I.59	a) S& F 38.1 mm Brass union nuts	Each	28.00
654	BMW-I.60	b) - do - labour charges only	Each	7.00
655	BMW-I.61	a) Constructing Brick masonry chamber over the gully trap or peet valve and fitted with 304.8 x 228.6 m size CI frame and hinged cover.	Each	336.00
656	BMW-I.62	b) - do - labour charges only	Each	82.00
657	BMW-I.63	a) Constructing Brick masonry support for G.I pipe with C.M 304.8 x 228.6 x228.6 mm size including plastering and finishing etc. complete.	Each	54.00
658	BMW-I.64	b) - do - labour charges only	Each	18.00
659	BMW-I.65	a) Supplying & fixing 304.8 x 228.6 mm CI frame & cover over gully taps	Each	88.00
660	BMW-I.66	b) - do - labour charges only	Each	29.00
661	BMW-I.67	a) Supplying & fixing CI Nahany trap grating	Each	14.00
662	BMW-I.68	b) - do - labour charges only	Each	9.00
663	BMW-I.69	a) Supplying & fixing CI gully trap grating	Each	36.00
664	BMW-I.70	b) - do - labour charges only	Each	9.00
665	BMW-I.71	a) Supplying & fixing valves for brass ball cocks 25.4 mm dia	Each	14.00
666	BMW-I.72	b) - do - labour charges only	Each	7.00
667	BMW-I.73	a) Supplying & fixing 12.7 m valve for bib tap or stop cocks	Each	13.00
668	BMW-I.74	b) - do - labour charges only	Each	5.00
669	BMW-I.75	a) Supplying & fixing 19.05 m valve for bib tap or stop cocks	Each	29.00
670	BMW-I.76	b) - do - labour charges only	Each	9.00
671	BMW-I.77	Removing 12.7 mm GI pipe and refixing the same	Mr.	52.00
672	BMW-I.78	Removing 19.05 mm GI pipe and refixing the same	Mr.	58.00
673	BMW-I.79	Removing 25.4 mm GI pipe and refixing the same	Mr.	86.00
674	BMW-I.80	Removing 38.1 mm GI pipe and refixing the same	Rm	109.00
675	BMW-I.81	Removing 50.8 mm GI pipe and refixing the same	Rm	127.00
676	BMW-I.82	Cleaning the W.C with acid and Vim powder	Each	35.00
677	BMW-I.83	Cleaning the Urinal with acid and Vim power	Each	35.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
678	BMW-I.84	Cleaning the wash basin with acid and Vim powder	Each	35.00
679	BMW-I.85	Cleaning the E.W.C with acid and Vim power	Each	35.00
680	BMW-I.86	Supplying & fixing 914.4 x 457.2 mm CI man hole frame and cover (light weight) 30 Kgs	Each	1430.00
681	BMW-I.87	Supplying & fixing 602 x 602 mm CI man hole frame and cover (light weight) 30 Kgs	Each	2130.00
682	BMW-I.88	b) - do - labour charges only	Each	115.00
683	BMW-I.89	a) Supplying & fixing CI steps for septic tank.	Each	46.00
684	BMW-I.90	b) - do - labour charges only	Each	9.00
685	BMW-I.91	a) Supplying & fixing 50.8 cm dia C.I. Man hole frame & cover for 914.4 mm dia chamber (20 Kgs - Light weight)	Each	920.00
686	BMW-I.92	b) - do - labour charges only	Each	115.00
687	BMW-I.93	a) Supplying & fixing 50.8 cm dia C.I. Man hole frame & cover for 914.4 mm dia chamber (Medium weight) as per IS:1726 - 40 Kgs	Each	1900.00
688	BMW-I.94	b) - do - labour charges only	Each	292.00
689	BMW-I.95	Cost. 50.8 mm thick RCM baffle wall with 2.267 Kg steel & rabbit wire mesh in CM 1:3 with fine rendering in neat cement labour charges Only	1 Sqm	185.00
690	BMW-I.96	a) Cost. 50.8 mm RCC partition wall	1 Sqm	202.00
691	BMW-I.97	b) - do - labour charges only	1 Sqm	36.00
692	BMW-I.98	a) S & F double layer of bamboo matting tarred on both sides.	10 Sqm	461.00
693	BMW-I.99	b) - do - labour charges only	10 Sqm	101.00
694	BMW-I.100	Removing of 101.6 m or 76.2 mm CI pipe	1 RM	27.00
695	BMW-I.101	a) Supplying & fixing 76.2 mm W.I clamps	Each	18.00
696	BMW-I.102	b) - do - labour charges only	Each	7.00
697	BMW-I.103	a) Supplying & fixing NP coat hook	Each	35.00
698	BMW-I.104	b) - do - labour charges only	Each	9.00
699	BMW-I.105	a) Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457.2 mm	Each	378.00
700	BMW-I.106	b) - do - labour charges only	Each	95.00
701	BMW-I.107	a) Supplying & fixing GI pipe plug of size 12.7 mm dia	Each	7.00
702	BMW-I.108	b) - do - labour charges only	Each	1.00
703	BMW-I.109	a) Supplying & fixing 19.06 mm dia GI plug	Each	10.00
704	BMW-I.110	b) - do - labour charges only	Each	1.00
705	BMW-I.111	a) Supplying and fixing 38.1 mm dia of GI plug	Each	53.00
706	BMW-I.112	b) - do - labour charges only	Each	7.00
707	BMW-I.113	a) Supplying & fixing 50.8 mm dia of GI PLUG	Each	82.00
708	BMW-I.114	b) - do - labour charges only	Each	9.00
709	BMW-I.115	a) Supplying & fixing 76.2 mm dia of GI PLUG	Each	148.00
710	BMW-I.116	b) - do - labour charges only	Each	15.00
711	BMW-I.117	a) Supplying & fixing C.P flange.	Each	19.00
712	BMW-I.118	b) - do - labour charges only	Each	6.00
713	BMW-I.119	a) Supplying & fixing stainless steel sink size 36" x 18" (914.4x457.2mm) 1 mm thick with accessories	Each	5066.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
714	BMW-I.120	b) - do - labour charges only	Each	<b>414.00</b>
715	BMW-I.121	a) Supplying & fixing SINGLE BOWL stainless steel sink size 24"x18"x8 " (609.6 x 457.2 x 203.2mm) 1 mm thick with accessories	Each	<b>3995.00</b>
716	BMW-I.122	b) - do - labour charges only	Each	<b>403.00</b>
717	BMW-I.123	a) Supplying & fixing stainless steel sink size 20" x18" x 8 " (508x457.2x203.2mm) 1 mm thick with accessories	Each	<b>3620.00</b>
718	BMW-I.124	b) - do - labour charges only	Each	<b>368.00</b>
719	BMW-I.125	Supplying & fixing 4 " x 24 " (101.6x609.6mm) white glazed porcelain channel fixed in brick masonry white cement pointing.	Each	<b>365.00</b>
720	BMW-I.126	Supply & Fixing of steel surgical long elbow action handle 12.7 mm dia bib cock Indian make heavy type including all materials	Each	<b>730.00</b>
721	BMW-I.127	Supply & fixing 2 1/2" (63.5mm) dia Sluice valve ISI mark with 2 Nos. flanges, 8 nos, 3/4" dia nuts & bolts and all necessary washers and packing materials etc. complete	Each	<b>4000.00</b>
722	BMW-I.128	Supply & fixing porcelain P' trap	Each	<b>172.00</b>
723	BMW-I.129	Supplying & fixing oval shape basin white (520x410mm) parry or equivalent	Each	<b>1830.00</b>
724	BMW-I.130	Supply & fixing RCC cover 22" dia with nominal reinforcement 3 " thick and hooks for lifting	Each	<b>520.00</b>
725	BMW-I.131	Supply & fixing cp spl. Grating with frame and cover of 1 <sup>st</sup> quality	Each	<b>47.00</b>
726	BMW-I.132	Supply & fixing towel rod (CP) of 24" long and 3/4 " dia	Each	<b>292.00</b>
727	BMW-I.133	Supply & fixing of LLC handle set 1st quality	Each	<b>58.00</b>
728	BMW-I.134	Mechanical Cleaning of water sumps with pumps & UV disinfecting	1000 Lit	<b>40.00</b>
729	BMW-I.135	Supply & fixing 4" dia CP thimble pipe: <b>150 mm long</b>	Each	<b>305.00</b>
730	BMW-I.136	Supply & fixing 4" dia CP thimble pipe: <b>220 mm long</b>	Each	<b>456.00</b>
731	BMW-I.137	Supply & fixing 4" dia CP thimble pipe: <b>300 mm long</b>	Each	<b>608.00</b>
732	BMW-I.138	Supply & fixing CP long bend	Each	<b>257.00</b>
733	BMW-I.139	Supply & fixing CP short bend	Each	<b>129.00</b>
734	BMW-I.140	Supplying & fixing 15 mm bib tap with flange Chromeum plated Jaquar make queen series/ Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1236.00</b>
735	BMW-I.141	Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook of Jaquar make queen series with 7 years warranty Chrome plated / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>3551.00</b>
736	BMW-I.142	Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook of Jaquar make queen series with 7 years warranty: Ivory gold/ Jupiter Aqua Lines-JAL or equivalent series	Each	<b>5883.00</b>
737	BMW-I.143	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1383.00</b>
738	BMW-I.144	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Ivory gold / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>2317.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
739	BMW-I.145	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Chrome plated/ Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1339.00</b>
740	BMW-I.146	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Ivory gold / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>2631.00</b>
741	BMW-I.147	Supply & fixing Waste coupling Jaquar make with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>322.00</b>
742	BMW-I.148	Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1346.00</b>
743	BMW-I.149	Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Ivory gold / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>2116.00</b>
744	BMW-I.150	Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>322.00</b>
745	BMW-I.151	Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Ivory gold / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>628.00</b>
746	BMW-I.152	Supply and fixing wall mirror with provision for over head shower and 115 mm long bend pipe with wall flange Jaquar make queen series with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>4074.00</b>
747	BMW-I.153	Supply and fixing wall mirror with provision for over head shower and 115 mm long bend pipe with wall flange Jaquar make queen series with 7 years warranty: Ivory gold / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>7355.00</b>
748	BMW-I.154	Supply & fixing overhead shower rose with revolving joint and 150 mm long swivel shower arm Jaquar make queen series. with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1869.00</b>
749	BMW-I.155	Supply & fixing overhead shower rose with revolving joint and 150 mm long swivel shower arm Jaquar make queen series. with 7 years warranty: Ivory Gold / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>2878.00</b>
750	BMW-I.156	Supply and Fixing Wall Mixer with Telephonic shower arrangement with crutch and flexible pipe Jaquar series Ivory gold colour for bath tub. with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>11392.00</b>
751	BMW-I.157	Supply & fixing Bath tub overflow set complete with over flow cap, 450 mm Ball chain with rubber plug & union bend with brass nut Jaquar make, Ivory gold colour. with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1309.00</b>
752	BMW-I.158	Supply & fixing sink cock with regular swinging spout with wall flange chromeplated Jaquar make Queen series with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1967.00</b>
753	BMW-I.159	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JAL or	Each	<b>1234.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
		equivalent series		
754	BMW-I.160	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Ivory Gold / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1988.00</b>
755	BMW-I.161	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1040.00</b>
756	BMW-I.162	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Ivory Gold / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1817.00</b>
757	BMW-I.163	Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>972.00</b>
758	BMW-I.164	Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Ivory Gold / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1659.00</b>
759	BMW-I.165	Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>711.00</b>
760	BMW-I.166	Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty: Ivory Gold / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1458.00</b>
761	BMW-I.167	Supply & Fixing of Towel rod 24 " Jaquar make Queen series Ivory gold colour with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>2565.00</b>
762	BMW-I.168	Supply & Fixing of Tumbler holder Jaquar make Queen series, Ivory gold colour with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1802.00</b>
763	BMW-I.169	Supply & fixing of Glass shelf 22" Jaquar make Queen series, Ivory gold colour with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>3558.00</b>
764	BMW-I.170	Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Continental series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>2527.00</b>
765	BMW-I.171	Supply & Fixing of Bibcock Jaquar Continental series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>741.00</b>
766	BMW-I.172	Supply & Fixing of Pillar cock Jaquar Continental series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>920.00</b>
767	BMW-I.173	Supply & Fixing of Angular stopcock with wall flange Jaquar Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>726.00</b>
768	BMW-I.174	Supply fixing of Waste coupling Jaquar make, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>322.00</b>
769	BMW-I.175	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1420.00</b>



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
770	BMW-I.176	Supply & Fixing of copper pipe 450mm long with nuts & washers Jaquar make, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>322.00</b>
771	BMW-I.177	Supply & Fixing of Wall Mixer with provision for overhead shower and 115mm long bend pipe with wall flange Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>3252.00</b>
772	BMW-I.178	Supply & Fixing of Exclusive overhead shower with 190mm long light body shower arm Jaquar make Continental series, Chrome finish with 7 years warranty/ Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1495.00</b>
773	BMW-I.179	Supply & Fixing wall mixer with telephonic shower arrangement with crutch and telephone shower with flexible tube Jaquar make Continental series Chrome colour for bath tub with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>4590.00</b>
774	BMW-I.180	Supply & Fixing bath tub over flow set complete with over flow cap,450mm ball chain with rubber plug 7 Union bend with brass nuts Jaquar make, Chrome colour with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>942.00</b>
775	BMW-I.181	Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Continental series with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1309.00</b>
776	BMW-I.182	Supply & Fixing soap dish Jaquar make Continental series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1010.00</b>
777	BMW-I.183	Supply & Fixing of Toilet paper holder Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>741.00</b>
778	BMW-I.184	Supply & Fixing of Towel Ring Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>852.00</b>
779	BMW-I.185	Supply & Fixing Double coat hook Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>636.00</b>
780	BMW-I.186	Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1375.00</b>
781	BMW-I.187	Supply & Fixing of Tumbler holder Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>927.00</b>
782	BMW-I.188	Supply & Fixing of Glass shelf 22" Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1824.00</b>
783	BMW-I.189	Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>3163.00</b>
784	BMW-I.190	Supply & Fixing of Bibcock Jaquar Florentine (Quarter turn)series, Chrome Finish with 7 years warranty / Jupiter Aqua	Each	<b>1010.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
		Lines-JAL or equivalent series		
785	BMW-I.191	Supply & Fixing of Pillar cock Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1010.00</b>
786	BMW-I.192	Supply & Fixing of Angular stopcock with wall flange Jaquar Florentine( Quarter turn)series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>972.00</b>
787	BMW-I.193	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1420.00</b>
788	BMW-I.194	Supply & Fixing of Wall Mixer with provision for overhead shower and 115mm long bend pipe with wall flange Jaquar make Florentine(Quarter turn) series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>3775.00</b>
789	BMW-I.195	Supply & Fixing wall mixer with telephonic shower arrangement with crutch and telephone shower with flexible tube Jaquar make Florentine(Quarter turn) series Chrome colour for bath tub with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>5868.00</b>
790	BMW-I.196	Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Florentine(Quarter turn) series with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1563.00</b>
791	BMW-I.197	Supply & Fixing of Rose shower with revolving ball joint & 115mm long shower arm with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1794.00</b>
792	BMW-I.198	Supply & Fixing of Jaquar make chrome plated Metro pole flush valve concealed type with cover plate 40mm size with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>3140.00</b>
793	BMW-I.199	Supply & Fixing of Jaquar make Sensotronic sensor faucet for wash basin, Chrome plated with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>12334.00</b>
794	BMW-I.200	Supply & fixing of Jaquar make Sensotronic concealed type flushing valve for urinal complete set with installation box with control cock, Chrome plated with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>12334.00</b>
795	BMW-I.201	Supply & fixing of Jaquar make Auto closing system pillar cock for wash basin, Chrome plated with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1944.00</b>
796	BMW-I.202	Supply& Fixing of Jaquar make Auto Closing system Bibcock, Chrome plated with 7 years warranty / Jupiter Aqua Lines-JAL or equivalent series	Each	<b>1944.00</b>
797	BMW-I.203	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : <b>16 mm OD pipe</b>	1 RM	<b>134.00</b>

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798	BMW-I.204	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : <b>20 mm OD pipe</b>	1 RM	<b>165.00</b>
799	BMW-I.205	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : <b>25mm OD pipe</b>	1 RM	<b>207.00</b>
800	BMW-I.206	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : <b>32 mm OD pipe</b>	1 RM	<b>278.00</b>
801	BMW-I.207	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : <b>40 mm OD pipe</b>	1 RM	<b>365.00</b>
802	BMW-I.208	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : <b>50 mm OD pipe</b>	1 RM	<b>465.00</b>
803	BMW-I.209	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc <b>16 mm OD pipe</b>	1 RM	<b>193.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
804	BMW-I.210	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc <b>20 mm OD pipe</b>	1 RM	<b>231.00</b>
805	BMW-I.211	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc <b>25mm OD pipe</b>	1 RM	<b>285.00</b>
806	BMW-I.212	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc <b>32 mm OD pipe</b>	1 RM	<b>376.00</b>
807	BMW-I.213	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc <b>40 mm OD pipe</b>	1 RM	<b>488.00</b>
808	BMW-I.214	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc <b>50 mm OD pipe</b>	1 RM	<b>616.00</b>

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
809	BMW-I.215	S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc <b>16 mm OD pipe</b>	1 RM	<b>157.00</b>
810	BMW-I.216	S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc <b>20 mm OD pipe</b>	1 RM	<b>186.00</b>
811	BMW-I.217	S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc <b>25mm OD pipe</b>	1 RM	<b>226.00</b>
812	BMW-I.218	S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc <b>32 mm OD pipe</b>	1 RM	<b>293.00</b>
813	BMW-I.219	S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc <b>40 mm OD pipe</b>	1 RM	<b>375.00</b>
		Supply and Fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" ton 2" Ashirvad Flowgurard SDR 11 and SDR 13.5 pipes are made from idential CPVC compounds having the same physical Properties for Hot and Cold Water (IS 15778:2007)		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
814	BMW-I.220	15.90mm OD Pipe - SDR 13.5	1 RM	120.00
815	BMW-I.221	22.20mm OD Pipe - SDR 13.5	1 RM	135.00
816	BMW-I.222	28.60mm OD Pipe - SDR 13.5	1 RM	180.00
817	BMW-I.223	34.90mm OD Pipe - SDR 13.5	1 RM	245.00
818	BMW-I.224	41.30mm OD Pipe - SDR 13.5	1 RM	305.00
819	BMW-I.225	54.00mm OD Pipe - SDR 13.5	1 RM	445.00
820	BMW-I.226	15.90mm OD Pipe - SDR 11	1 RM	133.00
821	BMW-I.227	22.20mm OD Pipe - SDR 11	1 RM	160.00
822	BMW-I.228	28.60mm OD Pipe - SDR 11	1 RM	193.00
823	BMW-I.229	34.90mm OD Pipe - SDR 11	1 RM	263.00
824	BMW-I.230	41.30mm OD Pipe - SDR 11	1 RM	325.00
825	BMW-I.231	54.00mm OD Pipe - SDR 11	1 RM	475.00
826	BMW-I.232	Supply of 20mm x 1.9mm PN 10/PPR pipe conforming to DIN Standards 8077/8078	1 RM	41.00
827	BMW-I.233	Supply of 25mm x 2.3mm PN 10/PPR pipe conforming to DIN Standards 8077/8078	1 RM	62.00
828	BMW-I.234	Supply of 32mm x 2.9mm PN 10/PPR pipe conforming to DIN Standards 8077/8079	1 RM	97.00
829	BMW-I.235	Supply of 40mm x 3.7mm PN 10/PPR pipe conforming to DIN Standards 8077/8079	1 RM	153.00
830	BMW-I.236	Supply of 50mm x 4.6mm PN 10/PPR pipe conforming to DIN Standards 8077/8080	1 RM	273.00
831	BMW-I.237	Supply of 63mm x 5.8mm PN 10/PPR pipe conforming to DIN Standards 8077/8081	1 RM	428.00
832	BMW-I.238	Supply of 75mm x 6.8mm PN 10/PPR pipe conforming to DIN Standards 8077/8082	1 RM	595.00
833	BMW-I.239	Supply of 90mm x 8.2mm PN 10/PPR pipe conforming to DIN Standards 8077/8083	1 RM	817.00
834	BMW-I.240	Supply of 110mm x 10mm PN 10/PPR pipe conforming to DIN Standards 8077/8084	1 RM	1211.00
835	BMW-I.241	Supply of 20mm x 2.8mm PN 16/PPR pipe conforming to DIN Standards 8077/8078	1 RM	56.00
836	BMW-I.242	Supply of 25mm x 3.5mm PN 16/PPR pipe conforming to DIN Standards 8077/8078	1 RM	86.00
837	BMW-I.243	Supply of 32mm x 4.4mm PN 16/PPR pipe conforming to DIN Standards 8077/8079	1 RM	138.00
838	BMW-I.244	Supply of 40mm x 5.5mm PN 16/PPR pipe conforming to DIN Standards 8077/8079	1 RM	213.00
839	BMW-I.245	Supply of 50mm x 6.9mm PN 16/PPR pipe conforming to DIN Standards 8077/8080	1 RM	381.00
840	BMW-I.246	Supply of 63mm x 8.6mm PN 16/PPR pipe conforming to DIN Standards 8077/8081	1 RM	600.00
841	BMW-I.247	Supply of 75mm x 10.3mm PN 16/PPR pipe conforming to DIN Standards 8077/8082	1 RM	848.00
842	BMW-I.248	Supply of 90mm x 12.3mm PN 16/PPR pipe conforming to DIN Standards 8077/8083	1 RM	1209.00
843	BMW-I.249	Supply of 110mm x 15.1mm PN 16/PPR pipe conforming to DIN Standards 8077/8084	1 RM	1811.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
844	BMW-I.250	Supply of 20mm x 3.4mm PN 20/PPR pipe conforming to DIN Standards 8077/8078	1 RM	65.00
845	BMW-I.251	Supply of 25mm x 4.2mm PN 20/PPR pipe conforming to DIN Standards 8077/8078	1 RM	100.00
846	BMW-I.252	Supply of 32mm x 5.4mm PN 20/PPR pipe conforming to DIN Standards 8077/8079	1 RM	161.00
847	BMW-I.253	Supply of 40mm x 6.7mm PN 20/PPR pipe conforming to DIN Standards 8077/8079	1 RM	248.00
848	BMW-I.254	Supply of 50mm x 8.3mm PN 20/PPR pipe conforming to DIN Standards 8077/8080	1 RM	441.00
849	BMW-I.255	Supply of 63mm x 10.5mm PN 20/PPR pipe conforming to DIN Standards 8077/8081	1 RM	695.00
850	BMW-I.256	Supply of 75mm x 12.5mm PN 20/PPR pipe conforming to DIN Standards 8077/8082	1 RM	986.00
851	BMW-I.257	Supply of 90mm x 15mm PN 20/PPR pipe conforming to DIN Standards 8077/8083	1 RM	1340.00
852	BMW-I.258	Supply of 110mm x 18.3mm PN 20/PPR pipe conforming to DIN Standards 8077/8084	1 RM	2111.00
853	BMW-I.259	Supply of 20mm PPR Socket conforming to DIN Standards 8077/8084	1 RM	9.00
854	BMW-I.260	Supply of 25mm PPR Socket conforming to DIN Standards 8077/8085	1 RM	13.00
855	BMW-I.261	Supply of 32mm PPR Socket conforming to DIN Standards 8077/8086	1 RM	18.00
856	BMW-I.262	Supply of 40mm PPR Socket conforming to DIN Standards 8077/8087	1 RM	31.00
857	BMW-I.263	Supply of 50mm PPR Socket conforming to DIN Standards 8077/8088	1 RM	59.00
858	BMW-I.264	Supply of 63mm PPR Socket conforming to DIN Standards 8077/8089	1 RM	114.00
859	BMW-I.265	Supply of 75mm PPR Socket conforming to DIN Standards 8077/8090	1 RM	173.00
860	BMW-I.266	Supply of 90mm PPR Socket conforming to DIN Standards 8077/8091	1 RM	332.00
861	BMW-I.267	Supply of 110mm PPR Socket conforming to DIN Standards 8077/8092	1 RM	591.00
862	BMW-I.268	Supply of 32mm PPR Core Flange conforming to DIN Standards 8077/8086	Each	35.00
863	BMW-I.269	Supply of 40mm PPR Core Flange conforming to DIN Standards 8077/8087	Each	57.00
864	BMW-I.270	Supply of 50mm PPR Core Flange conforming to DIN Standards 8077/8088	Each	74.00
865	BMW-I.271	Supply of 63mm PPR Core Flange conforming to DIN Standards 8077/8089	Each	117.00
866	BMW-I.272	Supply of 75mm PPR Core Flange conforming to DIN Standards 8077/8090	Each	136.00
867	BMW-I.273	Supply of 90mm PPR Core Flange conforming to DIN Standards 8077/8091	Each	349.00
868	BMW-I.274	Supply of 110mm PPR Core Flange conforming to DIN Standards 8077/8092	Each	451.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
869	BMW-I.275	Supply of 20mm PPR Elbow conforming to DIN Standards 8077/8084	Each	15.00
870	BMW-I.276	Supply of 25mm PPR Elbow conforming to DIN Standards 8077/8085	Each	19.00
871	BMW-I.277	Supply of 32mm PPR Elbow conforming to DIN Standards 8077/8086	Each	36.00
872	BMW-I.278	Supply of 40mm PPR Elbow conforming to DIN Standards 8077/8087	Each	64.00
873	BMW-I.279	Supply of 50mm PPR Elbow conforming to DIN Standards 8077/8088	Each	119.00
874	BMW-I.280	Supply of 63mm PPR Elbow conforming to DIN Standards 8077/8089	Each	233.00
875	BMW-I.281	Supply of 75mm PPR Elbow conforming to DIN Standards 8077/8090	Each	376.00
876	BMW-I.282	Supply of 90mm PPR Elbow conforming to DIN Standards 8077/8091	Each	699.00
877	BMW-I.283	Supply of 110mm PPR Elbow conforming to DIN Standards 8077/8092	Each	1298.00
878	BMW-I.284	Supply of 20mm PPR Tee conforming to DIN Standards 8077/8084	Each	14.00
879	BMW-I.285	Supply of 25mm PPR Tee conforming to DIN Standards 8077/8085	Each	24.00
880	BMW-I.286	Supply of 32mm PPR Tee conforming to DIN Standards 8077/8086	Each	44.00
881	BMW-I.287	Supply of 40mm PPR Tee conforming to DIN Standards 8077/8087	Each	76.00
882	BMW-I.288	Supply of 50mm PPR Tee conforming to DIN Standards 8077/8088	Each	135.00
883	BMW-I.289	Supply of 63mm PPR Tee conforming to DIN Standards 8077/8089	Each	275.00
884	BMW-I.290	Supply of 75mm PPR Tee conforming to DIN Standards 8077/8090	Each	540.00
885	BMW-I.291	Supply of 90mm PPR Tee conforming to DIN Standards 8077/8091	Each	783.00
886	BMW-I.292	Supply of 110mm PPR Tee conforming to DIN Standards 8077/8092	Each	1356.00
887	BMW-I.293	Supply of 20mm PPR End Cap conforming to DIN Standards 8077/8084	Each	6.00
888	BMW-I.294	Supply of 25mm PPR End Cap conforming to DIN Standards 8077/8085	Each	9.00
889	BMW-I.295	Supply of 32mm PPR End Cap conforming to DIN Standards 8077/8086	Each	18.00
890	BMW-I.296	Supply of 40mm PPR End Cap conforming to DIN Standards 8077/8087	Each	31.00
891	BMW-I.297	Supply of 50mm PPR End Cap conforming to DIN Standards 8077/8088	Each	54.00
892	BMW-I.298	Supply of 63mm PPR End Cap conforming to DIN Standards 8077/8089	Each	114.00
893	BMW-I.299	Supply of 75mm PPR End Cap conforming to DIN Standards 8077/8090	Each	191.00



Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
894	BMW-I.300	Supply of 90mm PPR End Cap conforming to DIN Standards 8077/8091	Each	304.00
895	BMW-I.301	Supply of 110mm PPR End Cap conforming to DIN Standards 8077/8092	Each	601.00
896	BMW-I.302	Supply of 25mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	11.00
897	BMW-I.303	Supply of 32mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	19.00
898	BMW-I.304	Supply of 32mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	18.00
899	BMW-I.305	Supply of 40mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	32.00
900	BMW-I.306	Supply of 40mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	31.00
901	BMW-I.307	Supply of 40mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	30.00
902	BMW-I.308	Supply of 50mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	45.00
903	BMW-I.309	Supply of 50mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	46.00
904	BMW-I.310	Supply of 50mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	47.00
905	BMW-I.311	Supply of 50mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	48.00
906	BMW-I.312	Supply of 63mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	105.00
907	BMW-I.313	Supply of 63mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	105.00
908	BMW-I.314	Supply of 63mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	106.00
909	BMW-I.315	Supply of 63mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	107.00
910	BMW-I.316	Supply of 63mm x 50mm PPR Reducer conforming to DIN Standards 8077/8092	Each	108.00
911	BMW-I.317	Supply of 75mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	156.00
912	BMW-I.318	Supply of 75mm x 50mm PPR Reducer conforming to DIN Standards 8077/8092	Each	157.00
913	BMW-I.319	Supply of 75mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	199.00
914	BMW-I.320	Supply of 90mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	381.00
915	BMW-I.321	Supply of 90mm x 75mm PPR Reducer conforming to DIN Standards 8077/8092	Each	404.00
916	BMW-I.322	Supply of 110mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	509.00
917	BMW-I.323	Supply of 110mm x 75mm PPR Reducer conforming to DIN Standards 8077/8092	Each	593.00
918	BMW-I.324	Supply of 110mm x 90mm PPR Reducer conforming to DIN Standards 8077/8092	Each	639.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
919	BMW-I.325	Supply of 25mm x 20mm x 25mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	30.00
920	BMW-I.326	Supply of 32mm x 25mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	52.00
921	BMW-I.327	Supply of 32mm x 20mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	53.00
922	BMW-I.328	Supply of 40mm x 20mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	85.00
923	BMW-I.329	Supply of 40mm x 25mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	87.00
924	BMW-I.330	Supply of 40mm x 32mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	89.00
925	BMW-I.331	Supply of 50mm x 20mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	124.00
926	BMW-I.332	Supply of 50mm x 25mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	125.00
927	BMW-I.333	Supply of 50mm x 32mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	129.00
928	BMW-I.334	Supply of 50mm x 40mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	130.00
929	BMW-I.335	Supply of 63mm x 20mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	359.00
930	BMW-I.336	Supply of 63mm x 25mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	361.00
931	BMW-I.337	Supply of 63mm x 32mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	365.00
932	BMW-I.338	Supply of 63mm x 40mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	372.00
933	BMW-I.339	Supply of 63mm x 50mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	377.00
934	BMW-I.340	Supply of 75mm x 50mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	507.00
935	BMW-I.341	Supply of 75mm x 63mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	515.00
936	BMW-I.342	Supply of 90mm x 50mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	684.00
937	BMW-I.343	Supply of 90mm x 63mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	725.00
938	BMW-I.344	Supply of 110mm x 75mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	1238.00
939	BMW-I.345	Supply of 110mm x 90mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	1287.00
940	BMW-I.346	Supply of 20mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	95.00
941	BMW-I.347	Supply of 25mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	97.00
942	BMW-I.348	Supply of 25mm x ¾" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	171.00
943	BMW-I.349	Supply of 32mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	174.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
944	BMW-I.350	Supply of 32mm x ¾" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	180.00
945	BMW-I.351	Supply of 32mm x 1" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	277.00
946	BMW-I.352	Supply of 40mm x 1¼" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	411.00
947	BMW-I.353	Supply of 50mm x 1½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	574.00
948	BMW-I.354	Supply of 63mm x 2" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	763.00
949	BMW-I.355	Supply of 75mm x 2½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1471.00
950	BMW-I.356	Supply of 20mm x ½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	147.00
951	BMW-I.357	Supply of 25mm x ½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	153.00
952	BMW-I.358	Supply of 25mm x ¾" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	223.00
953	BMW-I.359	Supply of 32mm x ¾" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	233.00
954	BMW-I.360	Supply of 32mm x 1" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	432.00
955	BMW-I.361	Supply of 40mm x 1¼" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	506.00
956	BMW-I.362	Supply of 50mm x 1½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	708.00
957	BMW-I.363	Supply of 63mm x 2" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1089.00
958	BMW-I.364	Supply of 75mm x 2½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1742.00
959	BMW-I.365	Supply of 20mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	102.00
960	BMW-I.366	Supply of 25mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	106.00
961	BMW-I.367	Supply of 25mm x ¾" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	164.00
962	BMW-I.368	Supply of 32mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	157.00
963	BMW-I.369	Supply of 32mm x ¾" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	184.00
964	BMW-I.370	Supply of 32mm x 1" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	307.00
965	BMW-I.371	Supply of 20mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	153.00
966	BMW-I.372	Supply of 25mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	167.00
967	BMW-I.373	Supply of 25mm x ¾" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	222.00
968	BMW-I.374	Supply of 32mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	213.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
969	BMW-I.375	Supply of 32mm x 1" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	459.00
970	BMW-I.376	Supply of 20mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	98.00
971	BMW-I.377	Supply of 25mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	108.00
972	BMW-I.378	Supply of 25mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	180.00
973	BMW-I.379	Supply of 32mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	189.00
974	BMW-I.380	Supply of 32mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	213.00
975	BMW-I.381	Supply of 32mm x 1" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	299.00
976	BMW-I.382	Supply of 20mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	154.00
977	BMW-I.383	Supply of 25mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	164.00
978	BMW-I.384	Supply of 25mm x ¾" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	235.00
979	BMW-I.385	Supply of 32mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	240.00
980	BMW-I.386	Supply of 32mm x ¾" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	254.00
981	BMW-I.387	Supply of 32mm x 1" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	468.00
982	BMW-I.388	Supply of 20mm x ½" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	395.00
983	BMW-I.389	Supply of 25mm x ¾" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	593.00
984	BMW-I.390	Supply of 32mm x 1" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	791.00
985	BMW-I.391	Supply of 40mm x 1¼" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	1108.00
986	BMW-I.392	Supply of 50mm x 1½" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	1782.00
987	BMW-I.393	Supply of 63mm x 2" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	2830.00
988	BMW-I.394	Supply of 20mm x ½" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	454.00
989	BMW-I.395	Supply of 25mm x ¾" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	603.00
990	BMW-I.396	Supply of 32mm x 1" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	791.00
991	BMW-I.397	Supply of 40mm x 1¼" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	989.00
992	BMW-I.398	Supply of 50mm x 1½" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	1880.00
993	BMW-I.399	Supply of 63mm x 2" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	3167.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
994	BMW-I.400	Supply of 20mm PPR Union conforming to DIN Standards 8077/8092	Each	86.00
995	BMW-I.401	Supply of 25mm PPR Union conforming to DIN Standards 8077/8092	Each	101.00
996	BMW-I.402	Supply of 32mm PPR Union conforming to DIN Standards 8077/8092	Each	166.00
997	BMW-I.403	Supply of 20mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	158.00
998	BMW-I.404	Supply of 25mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	208.00
999	BMW-I.405	Supply of 32mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	218.00
1000	BMW-I.406	Supply of 40mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	446.00
1001	BMW-I.407	Supply of 50mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	520.00
1002	BMW-I.408	Supply of 63mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	842.00
1003	BMW-I.409	Supply of 75mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	1386.00
1004	BMW-I.410	Supply of 90mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	1980.00
1005	BMW-I.411	Supply of 20mm PPR Clamp conforming to DIN Standards 8077/8092	Each	9.00
1006	BMW-I.412	Supply of 25mm PPR Clamp conforming to DIN Standards 8077/8092	Each	12.00
1007	BMW-I.413	Supply of 32mm PPR Clamp conforming to DIN Standards 8077/8092	Each	14.00
1008	BMW-I.414	Supply of 40mm PPR Clamp conforming to DIN Standards 8077/8092	Each	15.00
1009	BMW-I.415	Labour charges for laying, joining, welding, fixing and commissioning the PPR pipes including all specials such as couplers/ bends/ tees etc including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with welding the joint as per standard practice - up to 40 mm dia	1 RM	23.00
1010	BMW-I.416	Labour charges for laying, joining, welding, fixing and commissioning the PPR pipes including all specials such as couplers/ bends/ tees etc including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with welding the joint as per standard practice - above 40 mm dia	1 RM	40.00
NOTE				
1	All the items to be used on work are of first quality & ISI and as approved by the Engineer In charge of the work.			
2	Rates given above are:			
	a) Rate for finished item of work			
	b) Labour charges only			
3	RATES			
	a) Supply Rates for all the materials are based on market rates plus Sales Tax/ Material VAT.			
	b) Works Contract VAT for General/ Composition Scheme on finished items may be			

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2011-12
		allowed as applicable.		
4	<b>LABOUR</b>	Labour charges are increased based on proposals and market rates		
5	<b>Coloured porcelain items:</b>	50% extra may be allowed on basic cost of white porcelain items excluding fittings		
6	<b>SSR Rates</b>	for Sanitary & water supply items are purely for guidance for the officers for preparation of estimates vide Para 113 of APPWD code. Authority who prepares the estimate is however responsible for proper rates as envisaged in Para 45 of APPWD code.		
	<b>LEGEND</b>			
	"BMW" -X.XX	"BMW" for Water Supply & Sanitary items		
	XXX-"A".XX	"A" for Name of the Section		
	XXX-X."01"	"01" for Serial Number of the Item		

# ELECTRICAL ITEMS

**ELECTRICAL ITEMS**

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**PREAMBLE TO ELECTRICAL SOR 2011-12.**

1. The area allowances in case of Corporation, Municipalities, Jail Compounds, Agency & Tribal areas and Industrial areas have to be followed as per prevailing Common SOR.
2. As per the rule 45 under Indian Electricity Rules the Electrical contractor is solely responsible for both quality and quantity. Proposing specific make in the estimate from the SOR is within the scope of concerned field officers based on the necessity and availability of materials in such areas.
3. In case of stair case point wiring where two way switch control is necessary, an extra at 50 % excess over each point shall be allowed.
4. Where ever the light/fan point is provided at height/length of 15 feet and above, then an extra of 50% over the point rates shall be allowed.
5. The rates for common civil items including lab our rates have to adopt from prevailing civil SOR. The labour charges for electrical helper were omitted in 2010-2011 SOR. As such the electrical helper charges may be adopted as per other helper charges.
6. The rates for all types of lighting fixtures proposed are inclusive of all taxes such as Sales Tax, Excise duty etc., but without cost of tubes and bulbs .
7. The Government instructions for usage of energy efficient luminaries have to invariably follow while proposing luminaries in the estimates.
8. The rates for items such as Lifts, Transformers, Refrigerators / A.C. plants / Water coolers, LAN, Solar Power Systems and Video and Audio Systems etc., have to be invariable followed based on the prevailing market rates, since the rates and specification varies from manufacturer to manufacturer considerably. Hence, rates for these items are not incorporated in the schedule. However, relevant data without rates is provided in the standard schedule data for electrical works.
9. The rates for steel items such as M.S. poles, M.S. iron, G.I. pipes and its accessories shall be as per the rates approved by the Government/Steel India authority/ Prevailing SOR for Buildings List price from reputed firms etc., from time to time.
10. In case of any addition to the proposed SOR, the approval has to be obtained from the Chief Engineer (R&B) Buildings through the Superintending Engineer (R&B) Electrical circle. Temporary approvals which are under relevant specifications of the BIS/ISO/ISI can be given by the Superintending Engineer (R&B) Electrical/Executive Engineer (R&B) Electrical.
11. The Superintending Engineer (R&B) Electrical will review the performance over the

quality of the makes proposed in the SOR from time to time and in case any inferior quality observed the same shall be brought to the notice of the Chief Engineer (R&B) Buildings to consider for deletion from the list.

12. The schedule of rates is only for guidance of officers for preparation of estimates as per the Para 113 of APPWD code. The authority that sanctioned the estimate is however responsible for adopting the proper rates in the estimates as envisaged in para 45 of APPWD code.
13. As per GO Ms No.51 Industries and commerce (MSME) Dept Dt:01.06.2010.All the indenting departments / Agents should invariably give preference to all local MSME which are manufacturing quality products having ISO 9001 – 2000, DGS & D, BIS certification without entertaining any other dealers / branded product manufacturers who have no production base in the state.

#### SECTION NO.1

This section contains basic requirements for M.S./PVC conduit and its accessories as well as switches and its accessories except mini modular switches and accessories, all the items in this section are increased from 8% to 10%.

#### SECTION NO.2

This section contains the switch gear such as panel mounting switch dis-connector fuse units are not increased, Changeover Switches increased 5%, Fuses 10%, MCBs/RCCB's 9% and DBs 8% etc. Porcelain Re-wirable and HRC fuse units 10%. The cost for panel mounting switches and re-wirable switch are increased and the rates are finalized based on the price list of reputed MNC companies.

#### SECTION NO.3

This section contains the luminaries and lamps such as Street light/Post Top Lanterns and its accessories, Nature Switches, Internal Luminaries are increased @ 5%. The rates for LED street lights are increased @ 10% except internal CFL, LED luminaries, Energy Conserving Fixtures and lamps. In this section "THORN" and "Moserbaer" brands is newly added along with Wipro, GE and Phillips, since it is repeated MNC. To encourage energy saving measures the luminaries with VPIT Ballast of Wipro / GE / Phillips are deleted.

#### SECTION NO.4

This chapter consists of LT and H.T. alluminium UG cables including accessories like Glands, Alluminium / Copper lugs, Heat shrinkable LT/HT Cable

Joints, end terminations are Increased @ 8 to 10% The double walled Corrugated HDPE Pipes etc are increased @ 5%. The rates for Cable tray remains the same.

#### SECTION NO.5

In this section contains Ceiling Fans, Exhaust Fans, Water heaters. Due to increased Copper, Aluminium and Steel material cost, the rates are increased for Ceiling fans, Exhaust fans @ 15%, Water heaters including Accessories @ 10%, Motor pump sets @ 9%, and control panel for motors 4%. No Change in AC Units and Stabilizers.

#### SECTION NO.6

This section contains Swaged / Octagonal / Conical Poles including High Mast. The rates for Control panel boards are increased @ 8% and PSSC Poles @ 10% and AAA Conductor @ 8%. The rates for Metering Equipment, Sub Station equipments, Over head line, and Lightning protection are remains the same. Lightning protection for building is proposed in this SOR.

#### SECTION NO.7

This section contains Networking wires, switches and its accessories. There is no change or increase of rates. However smaller size racks are added in this section.

#### SECTION NO.8

This section contains miscellaneous items. For most of the items there is no change of rates. However for Copper items @ 10% and Steel items @ 8% are increased.

#### SECTION NO.9

This section contains FIRE Alarm system, detection and extinguishers. There is no change of rates in this section. The fire hydrant and sprinkler system is incorporated for the 1<sup>st</sup> time.

#### SECTION NO.10

This section contains Generators. There is no charge in the rates. However smaller capacity generators 7.5, 15, 25, 35 and 45 KVA are added in this section.

#### SECTION No.11

This section contains UPS Systems and Batteries. This section is newly added to facilitate to provide UPS systems

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		<b>SECTION - 1</b>			
	<b>1.1</b>	<b>M.S. CONDUIT PIPES</b>			
1	ELEC-1.1.1	Supply of ISI, 20mm dia, 16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	64.80
2	ELEC-1.1.2	Supply of ISI, 25mm dia, 16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	75.60
3	ELEC-1.1.3	Supply of ISI, 32mm dia, 16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	113.40
4	ELEC-1.1.4	Supply of ISI, 38mm dia, 16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	114.50
5	ELEC-1.1.5	Supply of ISI, 50mm dia, 16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	162.00
6	ELEC-1.1.6	Supply of 19 / 20 mm MS Junction box normal range big size long neck.	1	No	21.60
7	ELEC-1.1.7	Supply of 25 mm MS Junction box normal range big size long neck.	1	No	21.60
8	ELEC-1.1.8	Supply of 32 mm MS Junction box normal range big size long neck.	1	No	56.20
9	ELEC-1.1.9	Supply of 40 / 38 mm MS Junction box normal range big size long neck.	1	No	67.00
10	ELEC-1.1.10	Supply of 50 mm MS Junction box normal range big size long neck.	1	No	121.00
11	ELEC-1.1.11	Supply of 25/20mm.MS Junction deep box.	1	No	34.60
12	ELEC-1.1.12	Supply of 32mm.MS Junction deep box.	1	No	81.00
13	ELEC-1.1.13	Supply of 40mm.MS Junction deep box.	1	No	83.20
14	ELEC-1.1.14	Supply of 19/20mm MS Inspection Bends.	1	No	19.40
15	ELEC-1.1.15	Supply of 25mm MS Inspection Bends.	1	No	19.40
16	ELEC-1.1.16	Supply of 32mm MS Inspection Bends.	1	No	49.70
17	ELEC-1.1.17	Supply of 40/38mm MS Inspection Bends.	1	No	60.50
18	ELEC-1.1.18	Supply of 50mm MS Inspection Bends.	1	No	103.70
19	ELEC-1.1.19	Supply of 19/20mm MS Inspection Tee.	1	No	20.50
20	ELEC-1.1.20	Supply of 25mm MS Inspection Tee.	1	No	21.60
21	ELEC-1.1.21	Supply of 32mm MS Inspection Tee.	1	No	56.20
22	ELEC-1.1.22	Supply of 40/38mm MS Inspection Tee.	1	No	67.00
23	ELEC-1.1.23	Supply of 50mm MS Inspection Tee.	1	No	121.00
24	ELEC-1.1.24	Supply of 19/20mm MS Inspection Elbow.	1	No	18.40
25	ELEC-1.1.25	Supply of 25mm MS Inspection Elbow.	1	No	18.40
26	ELEC-1.1.26	Supply of 32mm MS Inspection Elbow.	1	No	47.50
27	ELEC-1.1.27	Supply of 40/38mm MS Inspection Elbow.	1	No	58.30
28	ELEC-1.1.28	Supply of 50mm MS Inspection Elbow.	1	No	97.20
29	ELEC-1.1.29	Supply of MS Inspection 10 Guage G.I. checknut size 19/20mm.	100	Nos	186.80
30	ELEC-1.1.30	Supply of MS Inspection 10 Guage G.I. checknut size 25mm.	100	Nos	232.20
31	ELEC-1.1.31	Supply of MS Inspection 10 Guage G.I. checknut size 32mm.	100	Nos	432.00
32	ELEC-1.1.32	Supply of MS Inspection 10 Guage G.I. checknut size	100	Nos	583.20

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		40/38mm.			
33	ELEC-1.1.33	Supply of MS Inspection 10 Gauge G.I. checknut size 50mm.	100	Nos	1155.60
34	ELEC-1.1.34	Supply of 19/20mm Saddles with Base.	100	Nos	191.20
35	ELEC-1.1.35	Supply of 25mm Saddles with Base.	100	Nos	199.80
36	ELEC-1.1.36	Supply of 32mm Saddles with Base.	100	Nos	329.40
37	ELEC-1.1.37	Supply of 40/38mm Saddles with Base.	100	Nos	351.00
38	ELEC-1.1.38	Supply of 50mm Saddles with Base.	100	Nos	405.00
39	ELEC-1.1.39	Supply of 19/20mm 20 gauge Saddles.	100	Nos	102.60
40	ELEC-1.1.40	Supply of 25mm 20 gauge Saddles.	100	Nos	135.00
41	ELEC-1.1.41	Supply of 32mm 20 gauge Saddles.	100	Nos	221.40
42	ELEC-1.1.42	Supply of 40/38mm 20 gauge Saddles.	100	Nos	279.70
43	ELEC-1.1.43	Supply of 50mm 20 gauge Saddles.	100	Nos	340.20
44	ELEC-1.1.44	Supply of 19/20mm 16 Gauge socket coupler.	12	Nos	51.80
45	ELEC-1.1.45	Supply of 25mm 16 Gauge socket coupler.	12	Nos	64.80
46	ELEC-1.1.46	Supply of 32mm 16 Gauge socket coupler.	12	Nos	97.20
47	ELEC-1.1.47	Supply of 38mm 16 Gauge socket coupler.	12	Nos	116.60
48	ELEC-1.1.48	Supply of 40mm 16 Gauge socket coupler.	12	Nos	155.50
49	ELEC-1.1.49	Supply of 50mm 16 Gauge socket coupler.	12	Nos	192.20
50	ELEC-1.1.50	Supply of 19mm Ball Socket.	12	Nos	192.20
51	ELEC-1.1.51	Supply of 25mm Ball Socket.	12	Nos	187.90
	<b>1.2</b>	<b>PVC CONDUIT PIPES</b>			
52	ELEC-1.2.1	Supply of ISI 20mm dia 1.5mm thickness PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	16.50
53	ELEC-1.2.2	Supply of ISI 20mm dia 2.0mm thickness PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	20.90
54	ELEC-1.2.3	Supply of ISI 25mm dia 1.5mm thickness PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	22.00
55	ELEC-1.2.4	Supply of ISI 25mm dia 2.0mm thickness PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	27.50
56	ELEC-1.2.5	Supply of ISI 32mm dia 2.5mm thickness PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	38.50
57	ELEC-1.2.6	Supply of ISI 40mm dia 2.5mm thickness PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	55.00
58	ELEC-1.2.7	Supply of ISI 50mm dia 2.5mm thickness PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	70.40
59	ELEC-1.2.8	Supply of Non - ISI 20mm dia 1.5mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	13.20
60	ELEC-1.2.9	Supply of Non - ISI 20mm dia 2.0mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	17.60
61	ELEC-1.2.10	Supply of Non - ISI 25mm dia 1.5mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	17.60
62	ELEC-1.2.11	Supply of Non - ISI 25mm dia 2.0mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	23.10

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
63	ELEC-1.2.12	Supply of Non - ISI 32mm dia 2.5mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	30.80
64	ELEC-1.2.13	Supply of Non - ISI 40mm dia 2.5mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	40.70
65	ELEC-1.2.14	Supply of Non - ISI 50mm dia 2.5mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	46.20
66	ELEC-1.2.15	Supply of ISI 19/20mm width and 12.5mm height Casing and Caping of Modi make.	1	Mtr	22.00
67	ELEC-1.2.16	Supply of ISI 25mm width and 12.5mm height Casing and Caping of Modi make.	1	Mtr	27.50
68	ELEC-1.2.17	Supply of ISI 32mm width and 12.5mm height Casing and Caping of Modi make.	1	Mtr	31.90
69	ELEC-1.2.18	Supply of ISI 38/40mm width and 12.5mm height Casing and Caping of Modi make.	1	Mtr	55.00
70	ELEC-1.2.19	Supply of Non - ISI 19/20mm width and 12.5mm height Casing and Caping of Diamond / Durga make.	1	Mtr	16.50
71	ELEC-1.2.20	Supply of Non - ISI 25mm width and 12.5mm height Casing and Caping of Diamond / Durga make.	1	Mtr	17.60
72	ELEC-1.2.21	Supply of Non - ISI 32mm width and 12.5mm height Casing and Caping of Diamond / Durga make.	1	Mtr	23.10
73	ELEC-1.2.22	Supply of Non - ISI 38/40mm width and 12.5mm height Casing and Caping of Diamond / Durga make.	1	Mtr	34.10
74	ELEC-1.2.23	Supply of 19/20mm PVC Flexible Pipe.	1	Mtr	3.30
75	ELEC-1.2.24	Supply of 25mm PVC Flexible Pipe.	1	Mtr	4.40
76	ELEC-1.2.25	Supply of 32mm PVC Flexible Pipe.	1	Mtr	5.50
77	ELEC-1.2.26	Supply of 40/38mm PVC Flexible Pipe.	1	Mtr	11.00
78	ELEC-1.2.27	Supply of 50mm PVC Flexible Pipe.	1	Mtr	17.60
79	ELEC-1.2.28	Supply of 19/20mm PVC Flexible Couplings.	1	No	9.90
80	ELEC-1.2.29	Supply of 25mm PVC Flexible Couplings.	1	No	12.10
81	ELEC-1.2.30	Supply of 32mm PVC Flexible Couplings.	1	No	25.30
82	ELEC-1.2.31	Supply of 40/38mm PVC Flexible Couplings.	1	No	27.50
83	ELEC-1.2.32	Supply of 50mm PVC Flexible Couplings.	1	No	55.00
84	ELEC-1.2.33	Supply of 19/20mm PVC Junction Boxes Normal.	1	No	14.30
85	ELEC-1.2.34	Supply of 25mm PVC Junction Boxes Normal.	1	No	16.50
86	ELEC-1.2.35	Supply of 32mm PVC Junction Boxes Normal.	1	No	28.60
87	ELEC-1.2.36	Supply of 40/38mm PVC Junction Boxes Normal.	1	No	31.90
88	ELEC-1.2.37	Supply of 50mm PVC Junction Boxes Normal.	1	No	44.00
89	ELEC-1.2.38	Supply of PVC Junction Boxes Deep size 19/20mm.	1	No	18.70
90	ELEC-1.2.39	Supply of PVC Junction Boxes Deep size 25mm.	1	No	22.00
91	ELEC-1.2.40	Supply of PVC Junction Boxes Deep size 32mm.	1	No	34.10
92	ELEC-1.2.41	Supply of PVC Junction Boxes Deep size 40/38mm.	1	No	37.40
93	ELEC-1.2.42	Supply of PVC Junction Boxes Deep size 50mm.	1	No	55.00
94	ELEC-1.2.43	Supply of 19/20mm PVC Bends.	1	No	4.40
95	ELEC-1.2.44	Supply of 25mm PVC Bends.	1	No	5.50
96	ELEC-1.2.45	Supply of 32mm PVC Bends.	1	No	13.20

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
97	ELEC-1.2.46	Supply of 40/38mm PVC Bends.	1	No	16.50
98	ELEC-1.2.47	Supply of 50mm PVC Bends.	1	No	24.20
99	ELEC-1.2.48	Cover to PVC junction boxes	1	No	4.40
	<b>1.3</b>	<b>HOT DIP GALVANIZED METAL BOXES</b>			
100	ELEC-1.3.1	Supply of 1 or 2 Module box	1	No	54.00
101	ELEC-1.3.2	Supply of 3 Module box	1	No	75.60
102	ELEC-1.3.3	Supply of 4 Module box	1	No	90.70
103	ELEC-1.3.4	Supply of 6 Module box	1	No	123.10
104	ELEC-1.3.5	Supply of 8 or 9 Module box Horizontal/Vertical.	1	No	162.00
105	ELEC-1.3.6	Supply of 12 Module box vertical.	1	No	198.70
		<b>METALLIC BOXES</b>			
106	ELEC-1.3.7	Supply of 4" x 4" Metal Box	1	No	50.00
107	ELEC-1.3.8	Supply of 4" x 7" Metal Box	1	No	60.00
108	ELEC-1.3.9	Supply of 6" x 6" Metal Box	1	No	75.00
109	ELEC-1.3.10	Supply of 6" x 8" Metal Box	1	No	100.00
110	ELEC-1.3.11	Supply of 10" x 8" Metal Box	1	No	175.00
111	ELEC-1.3.12	Supply of 10" x 12" Metal Box	1	No	225.00
	<b>1.4</b>	<b>T.W. BOARDS</b>			
112	ELEC-1.4.1	Supply of T.W.Board of Size 4" x 4"	1	No	8.80
113	ELEC-1.4.2	Supply of T.W.Board of Size 4" x 7"	1	No	15.40
114	ELEC-1.4.3	Supply of T.W.Board of Size 6" x 6"	1	No	19.80
115	ELEC-1.4.4	Supply of T.W.Board of Size 6" x 8"	1	No	26.40
116	ELEC-1.4.5	Supply of T.W.Board of Size 8" x 10"	1	No	44.00
117	ELEC-1.4.6	Supply of T.W.Board of Size 10" x 12"	1	No	66.00
118	ELEC-1.4.7	Supply of T.W.Board of Size 12" x 15"	1	No	99.00
119	ELEC-1.4.8	Supply of T.W.Deep Box of Size 4" x 4"	1	No	8.80
120	ELEC-1.4.9	Supply of T.W.Deep Box of Size 4" x 7"	1	No	15.40
121	ELEC-1.4.10	Supply of T.W.Deep Box of Size 6" x 6"	1	No	19.80
122	ELEC-1.4.11	Supply of T.W.Deep Box of Size 6" x 8"	1	No	26.40
123	ELEC-1.4.12	Supply of T.W.Deep Box of Size 8" x 10"	1	No	44.00
124	ELEC-1.4.13	Supply of T.W.Deep Box of Size 10" x 12"	1	No	66.00
125	ELEC-1.4.14	Supply of T.W.Deep Box of Size 12" x 15"	1	No	99.00
126	ELEC-1.4.15	Supply of 3 mm thick hylam sheet of Size 4" x 4"	1	No	8.80
127	ELEC-1.4.16	Supply of 3 mm thick hylam sheet of Size 4" x 7"	1	No	15.40
128	ELEC-1.4.17	Supply of 3 mm thick hylam sheet of Size 6" x 6"	1	No	19.80
129	ELEC-1.4.18	Supply of 3 mm thick hylam sheet of Size 6" x 8"	1	No	26.40
130	ELEC-1.4.19	Supply of 3 mm thick hylam sheet of Size 8" x 10"	1	No	44.00
131	ELEC-1.4.20	Supply of 3 mm thick hylam sheet of Size 10" x 12"	1	No	66.00
132	ELEC-1.4.21	Supply of 3 mm thick hylam sheet of Size 12" x 15"	1	No	99.00
133	ELEC-1.4.22	Supply of Decolam Board of Size 4" x 4"	1	No	13.20
134	ELEC-1.4.23	Supply of Decolam Board of Size 4" x 7"	1	No	23.10
135	ELEC-1.4.24	Supply of Decolam Board of Size 6" x 6"	1	No	29.70
136	ELEC-1.4.25	Supply of Decolam Board of Size 6" x 8"	1	No	39.60
137	ELEC-1.4.26	Supply of Decolam Board of Size 8" x 10"	1	No	66.00
138	ELEC-1.4.27	Supply of Decolam Board of Size 10" x 12"	1	No	99.00
139	ELEC-1.4.28	Supply of Decolam Board of Size 12" x 15"	1	No	148.50
140	ELEC-1.4.29	Supply of Peeta Board of Size 9" x 14"	1	No	48.40



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
141	ELEC-1.4.30	Supply of Peeta Board of Size 12" x 10"	1	No	46.20
142	ELEC-1.4.31	Supply of Peeta Board of Size 15" x 20"	1	No	165.00
143	ELEC-1.4.32	Supply of Peeta Board of Size 18" x 24"	1	No	237.60
144	ELEC-1.4.33	Supply of Peeta Board of Size 18" x 30"	1	No	297.00
145	ELEC-1.4.34	Supply of No.8 Screws of 12mm.	100	Nos	54.00
146	ELEC-1.4.35	Supply of No.8 Screws of 25mm.	100	Nos	64.80
147	ELEC-1.4.36	Supply of No.8 Screws of 30mm.	100	Nos	81.00
148	ELEC-1.4.37	Supply of No.8 Screws of 35/38mm.	100	Nos	86.40
149	ELEC-1.4.38	Supply of No.8 Screws of 50mm.	100	Nos	97.20
150	ELEC-1.4.39	Supply of No.8 Screws of 63/75mm.	100	Nos	118.80
	<b>1.5</b>	<b>COPPER FLEXIBLE CABLES (AS PER IS:694)</b>			
151	ELEC-1.5.1	Supply of 14/0.3mm (1.0 Sqmm) FRLS / HFFR PVC insulated ISI Copper cable of makes Finolex / RR kabel / Fortune Art EBXL	100	Mtrs	1001.00
152	ELEC-1.5.2	Supply of 22/0.3mm (1.5 Sqmm) FRLS / HFFR PVC insulated ISI Copper cable of makes Finolex / RR kabel / Fortune Art EBXL	100	Mtrs	1480.60
153	ELEC-1.5.3	Supply of 36/0.3mm (2.5 Sqmm) FRLS / HFFR PVC insulated ISI Copper cable of makes Finolex / RR kabel / Fortune Art EBXL	100	Mtrs	2389.20
154	ELEC-1.5.4	Supply of 56/0.3mm (4.0 Sqmm) FRLS / HFFR PVC insulated ISI Copper cable of makes Finolex / RR kabel / Fortune Art EBXL	100	Mtrs	3478.20
155	ELEC-1.5.5	Supply of 84/0.3mm (6.0 Sqmm) FRLS / HFFR PVC insulated ISI Copper cable of makes Finolex / RR kabel / Fortune Art EBXL	100	Mtrs	5291.00
156	ELEC-1.5.6	Supply of 140/0.3mm (10.0 Sqmm) FRLS / HFFR PVC insulated ISI Copper cable of makes Finolex / RR kabel / Fortune Art EBXL	100	Mtrs	8223.60
157	ELEC-1.5.7	Supply of 126/0.4mm (16.0 Sqmm) FRLS / HFFR PVC insulated ISI Copper cable of makes Finolex / RR kabel / Fortune Art EBXL	100	Mtrs	13145.00
158	ELEC-1.5.8	Supply of 14/0.3mm (1.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes GM / L&T / RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon / Fortune Art	100	Mtrs	880.00
159	ELEC-1.5.9	Supply of 22/0.3mm (1.5 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes GM / L&T / RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon / Fortune Art.	100	Mtrs	1292.50
160	ELEC-1.5.10	Supply of 36/0.3mm (2.5 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes GM / L&T / RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon / Fortune Art.	100	Mtrs	2090.00
161	ELEC-1.5.11	Supply of 56/0.3mm (4.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes GM / L&T / RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon / Fortune Art.	100	Mtrs	3080.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
162	ELEC-1.5.12	Supply of 84/0.3mm (6.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes GM / L&T / RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon / Fortune Art.	100	Mtrs	4840.00
163	ELEC-1.5.13	Supply of 140/0.3mm (10.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes GM / L&T / RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon / Fortune Art	100	Mtrs	7480.00
164	ELEC-1.5.14	Supply of 126/0.4mm (16.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes GM / L&T / RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon / Fortune Art	100	Mtrs	12320.00
165	ELEC-1.5.15	Supply of 14/0.3mm (1.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab.	100	Mtrs	759.00
166	ELEC-1.5.16	Supply of 22/0.3mm (1.5 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab.	100	Mtrs	1094.50
167	ELEC-1.5.17	Supply of 36/0.3mm (2.5 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab.	100	Mtrs	1767.70
168	ELEC-1.5.18	Supply of 56/0.3mm (4.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab.	100	Mtrs	2574.00
169	ELEC-1.5.19	Supply of 84/0.3mm (6.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab.	100	Mtrs	3971.00
170	ELEC-1.5.20	Supply of 140/0.3mm (10.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec.	100	Mtrs	6292.00
171	ELEC-1.5.21	Supply of 126/0.4mm (16.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec.	100	Mtrs	9680.00
	<b>1.6</b>	<b>SERVICE MAINS AND FLAT CABLE OF ISI FOR SUBMERSIBLE MOTORS.</b>			
172	ELEC-1.6.1	Supply of 2.5 Sqmm 3/20 WPSC (Weather Proof Single Core ) ISI Alluminium Wire Finolex / Polycab / Gold Medal / Million / Payal / Power Flex.	100	Mtrs	702.00
173	ELEC-1.6.2	Supply of 6 Sqmm 7/18 WPSC (Weather Proof Single Core ) ISI Alluminium Wire of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex.	100	Mtrs	1425.60
174	ELEC-1.6.3	Supply of 10 Sqmm WPSC (Weather Proof Single Core ) ISI Alluminium Wire of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex.	100	Mtrs	1533.60
175	ELEC-1.6.4	Supply of 16 Sqmm WPSC (Weather Proof Single Core ) ISI Alluminium Wire of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex.	100	Mtrs	2565.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
176	ELEC-1.6.5	Supply of 6 Sqmm WPTC (Weather Proof Twin Core ) ISI Alluminium Wire of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex / Fortune Art.	100	Mtrs	2872.80
177	ELEC-1.6.6	Supply of 10 Sqmm WPTC (Weather Proof Twin Core ) ISI Alluminium Wire of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex / Fortune Art.	100	Mtrs	3456.00
178	ELEC-1.6.7	Supply of 16 Sqmm WPTC (Weather Proof Twin Core ) ISI Alluminium Wire of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex / Fortune Art.	100	Mtrs	6480.00
179	ELEC-1.6.8	Supply of 23 / 0060 twin core flat Copper wire of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex / Fortune Art.	100	Mtrs	990.00
180	ELEC-1.6.9	Supply of 3 Core 1.5 Sqmm Flat Copper cable of ISI for Submersible Motors of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex / Fortune Art.	100	Mtrs	5445.00
181	ELEC-1.6.10	Supply of 3 Core 2.5 Sqmm Flat Copper cable of ISI for Submersible Motors of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex / Fortune Art.	100	Mtrs	8360.00
182	ELEC-1.6.11	Supply of 3 Core 4.0 Sqmm Flat Copper cable of ISI for Submersible Motors of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex / Fortune Art.	100	Mtrs	12540.00
183	ELEC-1.6.12	Supply of 3 Core 6.0 Sqmm Flat Copper cable of ISI for Submersible Motors of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex / Fortune Art.	100	Mtrs	18480.00
184	ELEC-1.6.13	Supply of 3 Core 10.0 Sqmm Flat Copper cable of ISI for Submersible Motors of makes Finolex / Polycab / Gold Medal / Million / Payal / Power Flex / Fortune Art.	100	Mtrs	30030.00
	<b>1.7</b>	<b>FLUSH TYPE SWITCHES AND ACCESSORIES</b>			
185	ELEC-1.7.1	Supply of 6A 1 Way flush type Swich of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	18.00
186	ELEC-1.7.2	Supply of 6A 2 Way flush type Swich of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	21.00
187	ELEC-1.7.3	Supply of 6A 2 pin flush type Socket of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	20.00
188	ELEC-1.7.4	Supply of 6A 3/2 pin flush type Socket of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	27.00
189	ELEC-1.7.5	Supply of 6A flush type Neon Indicator of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	20.00
190	ELEC-1.7.6	Supply of 6A Triangle Plug Top of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	35.00
191	ELEC-1.7.7	Supply of 6A 1 Way flush type Bed Swich / Bell Push of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	21.00
192	ELEC-1.7.8	Supply of 16A flush type Swich of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	65.00
193	ELEC-1.7.9	Supply of 16A flush type Socket of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	65.00
194	ELEC-1.7.10	Supply of 16A flush type Switch Socket combined (2 in one) of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	102.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
195	ELEC-1.7.11	Supply of 16A flush type Switch, Socket, Fuse, Indicator combined (5 in one) of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	146.00
196	ELEC-1.7.12	Supply of 16A Triangle Plug Top of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	50.00
197	ELEC-1.7.13	<b>Deleted</b>			
198	ELEC-1.7.14	Supply of stepped type Electronic Regulator of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	220.00
199	ELEC-1.7.15	Supply of Jumbo Ceiling Rose 3 Plate of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	21.00
200	ELEC-1.7.16	Supply of BH / SBH of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	20.00
201	ELEC-1.7.17	Supply of Pendent Holder / Adopter of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	17.00
202	ELEC-1.7.18	Supply of Telephone Jack with Connector of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	48.00
203	ELEC-1.7.19	Supply of TV Antenna Outlet of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	26.00
204	ELEC-1.7.20	Supply of 15A/10A Flush type Fuse of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	32.00
205	ELEC-1.7.21	Supply of 32A DP Flush type of makes Anchor / Gold Medal / Million.	1	No	106.00
206	ELEC-1.7.22	Supply of Calling Bell of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	50.00
207	ELEC-1.7.23	Supply of Buzzer of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	45.00
208	ELEC-1.7.24	Supply of Ding Dong Bell of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	102.00
209	ELEC-1.7.25	Supply of Electronic Musical Bell of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	240.00
210	ELEC-1.7.26	Supply of Remote Bell of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	450.00
211	ELEC-1.7.27	Supply of MC Holder of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	21.00
212	ELEC-1.7.28	Deleted			
213	ELEC-1.7.29	Supply of Spike Guard with 1 No Switch and 4 Nos Sockets of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	310.00
214	ELEC-1.7.30	Supply of Spike Guard with 4 No Switches and 4 Nos Sockets of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	410.00
215	ELEC-1.7.31	Supply of 6A 1 Way flush type Swich of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	15.00
216	ELEC-1.7.32	Supply of 6A 2 Way flush type Swich of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	19.00
217	ELEC-1.7.33	Supply of 6A 2 pin flush type Socket of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	15.00
218	ELEC-1.7.34	Supply of 6A 3/2 pin flush type Socket of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	20.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
219	ELEC-1.7.35	Supply of 6A flush type Neon Indicator of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	18.00
220	ELEC-1.7.36	Supply of 6A Triangle Plug Top of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	28.00
221	ELEC-1.7.37	Supply of 6A 1 Way flush type Bed Swich / Bell Push of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	18.00
222	ELEC-1.7.38	Supply of 16A flush type Swich of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	55.00
223	ELEC-1.7.39	Supply of 16A flush type Socket of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	55.00
224	ELEC-1.7.40	Supply of 16A flush type Switch Socket combined (2 in one) of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	85.00
225	ELEC-1.7.41	Supply of 16A flush type Switch, Socket, Fuse, Indicator combined (5 in one) of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	110.00
226	ELEC-1.7.42	Supply of 16A Triangle Plug Top of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	44.00
227	ELEC-1.7.43	Supply of stepped type Electronic Regulator of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	180.00
228	ELEC-1.7.44	Supply of Jumbo Ceiling Rose 3 Plate of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	16.00
229	ELEC-1.7.45	Supply of 32A DP Flush type of makes Milltec / Vimal / Maru / Star.	1	No	85.00
	<b>1.8</b>	<b>MINI MODULAR SWITCHES AND ACCESSORIES</b>			
230	ELEC-1.8.1	Supply of 6A 1 Way Mini Modular Switch with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	23.00
231	ELEC-1.8.2	Supply of 6A 2 Way Mini Modular Switch with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	26.00
232	ELEC-1.8.3	Supply of 6A 2 Pin Mini Modular Socket with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	24.00
233	ELEC-1.8.4	Supply of 6A 3/2 Pin Mini Modular Socket with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	35.00
234	ELEC-1.8.5	Supply of 6A Mini Modular Neon Indicator with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	28.00
235	ELEC-1.8.6	Supply of 6A Mini Modular Bed Switch / Bell Push with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	26.00
236	ELEC-1.8.7	Supply of 6A 1 Way Mini Modular Switch with Neon Indicator with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	28.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
237	ELEC-1.8.8	Supply of 6A Mini Modular Bell Push with Neon Indicator with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	39.00
238	ELEC-1.8.9	Supply of 16A Mini Modular Switch with Cover Frame of makes Anchor / Million / Vimal / Maru / Milltec.	1	No	80.00
239	ELEC-1.8.10	Deleted			
240	ELEC-1.8.11	Supply of 16A (2 in one) Mini Modular Switch & Socket combined with Cover Frame of makes Anchor / Million / Vimal / Maru / Gold Medal / Milltec.	1	No	110.00
241	ELEC-1.8.12	Supply of 16A (5 in one) Mini Modular Switch, Socket, Fuse and Indicator with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	185.00
242	ELEC-1.8.13	Supply of 16A Triangle Top with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	49.00
243	ELEC-1.8.14	Deleted			
244	ELEC-1.8.15	Supply of Mini Modular Stepped type Electronic Regulator with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	240.00
245	ELEC-1.8.16	Supply of Jumbo Ceiling Rose 3 Plate of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	25.00
246	ELEC-1.8.17	Supply of BH / SBH of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	35.00
247	ELEC-1.8.18	Supply of Mini Modular Telephone Jack with Connector with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	54.00
248	ELEC-1.8.19	Supply of Mini Modular TV Antenna Outlet with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	35.00
249	ELEC-1.8.20	Supply of 16A/10A Mini Modular Flush Fuse with Cover Frame of makes GM / Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	40.00
	<b>1.9</b>	<b>MODULAR SWITCHES AND ACCESSORIES</b>			
250	ELEC-1.9.1	Supply of 6A / 10A 1 Way Modular Switch of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	92.00
251	ELEC-1.9.2	Supply of 6A / 10A 2 Way Modular Switch of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	101.00
252	ELEC-1.9.3	Supply of 6A / 10A 2 Pin Modular Socket of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	93.00
253	ELEC-1.9.4	Supply of 6A / 10A 3/2 Pin Modular Socket of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	141.00
254	ELEC-1.9.5	Supply of 6A / 10A Modular Switch with Neon Indicator of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	117.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
255	ELEC-1.9.6	Supply of 6A / 10A Modular Bell Push with Neon Indicator of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	137.00
256	ELEC-1.9.7	Supply of 16A / 10A Modular Flush Fuse with Neon Indicator of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	126.00
257	ELEC-1.9.8	Supply of 16A / 20A 1 Way Modular Switch of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	126.00
258	ELEC-1.9.9	Supply of 16A / 20A 2 Way Modular Switch of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	138.00
259	ELEC-1.9.10	Supply of 20A 1 Way Modular Switch with Indicator of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	138.00
260	ELEC-1.9.11	Supply of 20A Modular Socket of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	188.00
261	ELEC-1.9.12	Supply of 16A/6A 1 way Combi Socket Modular Socket of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	196.00
262	ELEC-1.9.13	Supply of 16A Triangle Top of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	158.00
263	ELEC-1.9.14	Supply of Electronic Regulator of Modular of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	473.00
264	ELEC-1.9.15	Deleted			
265	ELEC-1.9.16	Supply of Modular Telephone jack with Connector of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	100.00
266	ELEC-1.9.17	Supply of Modular TV Antenna outlet of GM / Legrand Myrius / L & T / North West / M K / Salzer / Indo Simon / ABB /Schneider ZEN celo.	1	No	98.00
267	ELEC-1.9.18	Supply of 6A / 10A 1 Way Modular Switch of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	63.00
268	ELEC-1.9.19	Supply of 6A / 10A 2 Way Modular Switch of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	75.00
269	ELEC-1.9.20	Supply of 6A / 10A 2 Pin Modular Socket of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	64.00
270	ELEC-1.9.21	Supply of 6A / 10A 3/2 Pin Modular Socket of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	93.00
271	ELEC-1.9.22	Supply of 6A / 10A Modular Switch with Neon Indicator of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma /	1	No	75.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		Schneider Opale.			
272	ELEC-1.9.23	Supply of 6A / 10A Modular Bell Push with Neon Indicator of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	90.00
273	ELEC-1.9.24	Supply of 16A / 10A Modular Flush Fuse with Neon Indicator of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	83.00
274	ELEC-1.9.25	Supply of 16A / 20A 1 Way Modular Switch of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	83.00
275	ELEC-1.9.26	Supply of 16A / 20A 2 Way Modular Switch of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	95.00
276	ELEC-1.9.27	Supply of 20A 1 Way Modular Switch with Indicator of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	91.00
277	ELEC-1.9.28	Supply of 20A Modular Socket of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	133.00
278	ELEC-1.9.29	Supply of 16A/6A 1 way Combi Socket Modular Socket of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	135.00
279	ELEC-1.9.30	Supply of 16A Triangle Top of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	65.00
280	ELEC-1.9.31	Deleted			
281	ELEC-1.9.32	Supply of Electronic Regulator of Modular of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	375.00
282	ELEC-1.9.33	Supply of Modular Telephone jack with Connector of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	65.00
283	ELEC-1.9.34	Supply of Modular TV Antenna outlet of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	64.00
284	ELEC-1.9.35	Supply of 1 or 2 Modular Cover Frame of GM / Legrand Myrius / L & T / North West / M K / Salzer.	1	No	65.00
285	ELEC-1.9.36	Supply of 3 Modular Cover Frame of GM / Legrand Myrius / L & T / North West / M K / Salzer.	1	No	77.00
286	ELEC-1.9.37	Supply of 4 Modular Cover Frame of GM / Legrand Myrius / L & T / North West / M K / Salzer.	1	No	89.00
287	ELEC-1.9.38	Supply of 6 Modular Cover Frame of GM / Legrand Myrius / L & T / North West / M K / Salzer.	1	No	130.00
288	ELEC-1.9.39	Supply of 8 Modular Horizontal / Vertical Cover Frame of GM / Legrand Myrius / L & T / North West / M K / Salzer.	1	No	172.00



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
289	ELEC-1.9.40	Supply of 12 Modular Vertical Cover Frame of GM / Legrand Myrius / L & T / North West / M K / Salzer.	1	No	210.00
290	ELEC-1.9.41	Supply of 1 or 2 Modular Cover Frame of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	56.00
291	ELEC-1.9.42	Supply of 3 Modular Cover Frame of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	69.00
292	ELEC-1.9.43	Supply of 4 Modular Cover Frame of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	81.00
293	ELEC-1.9.44	Supply of 6 Modular Cover Frame of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	108.00
294	ELEC-1.9.45	Supply of 8 Modular Horizontal / Vertical Cover Frame of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	137.00
295	ELEC-1.9.46	Supply of 12 Modular Vertical Cover Frame of Crabtree / Feno Swtch / Toyoma / Fortune Art / Million / Gold Medal / Vimal / Anchor Roma / Schneider Opale.	1	No	167.00
		<b>SECTION - 2</b>			
	<b>2.1</b>	<b>PANEL MOUNTING SWITCH DISCONNECTOR FUSE UNITS ( SDFU ) AS PER IS: 13947</b>			
296	ELEC-2.1.1	Supply of 32A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	1351.00
297	ELEC-2.1.2	Supply of 63A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	2329.00
298	ELEC-2.1.3	Supply of 125A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	5578.00
299	ELEC-2.1.4	Supply of 200A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	7280.00
300	ELEC-2.1.5	Supply of 250A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	8740.00
301	ELEC-2.1.6	Supply of 400A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	13455.00
302	ELEC-2.1.7	Supply of 630A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	22759.00
303	ELEC-2.1.8	Supply of 32A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	1129.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
304	ELEC-2.1.9	Supply of 63A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	1692.00
305	ELEC-2.1.10	Supply of 125A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	3827.00
306	ELEC-2.1.11	Supply of 200A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	5783.00
307	ELEC-2.1.12	Supply of 250A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	6521.00
308	ELEC-2.1.13	Supply of 400A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	9960.00
309	ELEC-2.1.14	Supply of 630A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	16538.00
	<b>2.2</b>	<b>ON LOAD CHANGEOVER SWITCHES (OPEN EXECUTION) AS PER IS:13947</b>			
310	ELEC-2.2.1	Supply of 63A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T / ABB / SIEMENS	1	No	4134.90
311	ELEC-2.2.2	Supply of 125A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T / ABB / SIEMENS	1	No	7827.80
312	ELEC-2.2.3	Supply of 200A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T / ABB / SIEMENS	1	No	10473.80
313	ELEC-2.2.4	Supply of 250A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T / ABB / SIEMENS	1	No	14883.80
314	ELEC-2.2.5	Supply of 400A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T / ABB / SIEMENS	1	No	22711.50
315	ELEC-2.2.6	Supply of 630A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T / ABB / SIEMENS	1	No	27011.30
316	ELEC-2.2.7	Supply of 800A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T / ABB / SIEMENS	1	No	39138.80
317	ELEC-2.2.8	Supply of 1000A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T / ABB / SIEMENS	1	No	64496.30
318	ELEC-2.2.9	Supply of 63A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	3748.50
319	ELEC-2.2.10	Supply of 125A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	7282.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
320	ELEC-2.2.11	Supply of 200A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	9639.00
321	ELEC-2.2.12	Supply of 250A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	13708.80
322	ELEC-2.2.13	Supply of 400A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	21312.90
323	ELEC-2.2.14	Supply of 630A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	25596.90
324	ELEC-2.2.15	Supply of 800A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	37377.90
325	ELEC-2.2.16	Supply of 1000A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	62010.90
	<b>2.3</b>	<b>CHANGE OVER SWITCHES IN SS ENCLOSURE AS PER IS:13947</b>			
326	ELEC-2.3.1	Supply of 32A 240V DP Changeover Switch in sheet steel enclosure of makes L & T / G E / C & S / HPL / Havells / ABB / SIEMENS	1	No	1317.80
327	ELEC-2.3.2	Supply of 63A 415V FP Changeover Switch in sheet steel enclosure of makes L & T / G E / C & S / HPL / Havells / ABB / SIEMENS	1	No	4593.80
328	ELEC-2.3.3	Supply of 100A 415V FP Changeover Switch in sheet steel enclosure of makes L & T / G E / C & S / HPL / Havells / ABB / SIEMENS	1	No	7005.60
329	ELEC-2.3.4	Supply of 32A 240V DP Changeover Switch in sheet steel enclosure of makes Standard / Crystal / Million / Sputnik / Sunlight / / Bentec / Gold Medal / Star.	1	No	759.20
330	ELEC-2.3.5	Supply of 63A 415V FP Changeover Switch in sheet steel enclosure of makes Standard / Crystal / Million / Sputnik / Sunlight / / Bentec / Gold Medal / Star.	1	No	2669.10
331	ELEC-2.3.6	Supply of 100A 415V FP Changeover Switch in sheet steel enclosure of makes Standard / Crystal / Million / Sputnik / Sunlight / / Bentec / Gold Medal.	1	No	5019.00
	<b>2.4</b>	<b>REWIRABLE / DOUBLE BREAK SWITCHES IN SS ENCLOSURE AS PER IS:13947</b>			
332	ELEC-2.4.1	Supply of 32A 240V SPN Rewirable Fuse Switch in SS enclosure of makes L & T / G E / C & S / HPL / Havells / ABB / SIEMENS	1	No	936.00
333	ELEC-2.4.2	Supply of 32A 415V TPN Rewirable Fuse Switch in SS enclosure of makes L & T / G E / C & S / HPL / Havells / ABB / SIEMENS	1	No	1446.00
334	ELEC-2.4.3	Supply of 63A 415V TPN Rewirable Fuse Switch in SS enclosure of makes L & T / G E / C & S / HPL / Havells / ABB / SIEMENS	1	No	3302.00
335	ELEC-2.4.4	Supply of 100A 415V TPN Rewirable Fuse Switch in SS enclosure of makes L & T / G E / C & S / HPL / Havells / ABB / SIEMENS	1	No	6148.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
336	ELEC-2.4.5	Supply of 100A 415V TPN Double Break Switch in SS enclosure without fuses of makes L & T / G E / C & S / HPL / Havells / ABB / SIEMENS	1	No	6190.00
337	ELEC-2.4.6	Supply of 200A 415V TPN Double Break Switch in SS enclosure without fuses of makes L & T / G E / C & S / HPL / Havells / ABB / SIEMENS	1	No	9025.00
338	ELEC-2.4.7	Supply of 32A 240V SPN Rewirable Fuse Switch in SS enclosure of makes Standard / Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec / Star.	1	No	620.00
339	ELEC-2.4.8	Supply of 32A 415V TPN Rewirable Fuse Switch in SS enclosure of makes Standard / Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec / Star.	1	No	1033.00
340	ELEC-2.4.9	Supply of 63A 415V TPN Rewirable Fuse Switch in SS enclosure of makes Standard / Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec / Star.	1	No	2350.00
341	ELEC-2.4.10	Supply of 100A 415V TPN Rewirable Fuse Switch in SS enclosure of makes Standard / Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec / Star.	1	No	4579.00
342	ELEC-2.4.11	Supply of 100A 415V TPN Double Break Switch in SS enclosure without fuse of makes Standard / Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec.	1	No	4730.00
343	ELEC-2.4.12	Supply of 200A 415V TPN Double Break Switch in SS enclosure without fuse of makes Standard / Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec.	1	No	7747.00
	<b>2.5</b>	<b>HRC FUSE LINKS (BOLTED TYPE)</b>			
344	ELEC-2.5.1	Supply of up to 32A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	49.50
345	ELEC-2.5.2	Supply of 32A to 63A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	77.00
346	ELEC-2.5.3	Supply of 125A to 200A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	247.50
347	ELEC-2.5.4	Supply of 250A to 350A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	363.00
348	ELEC-2.5.5	Supply of 400A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	704.00
349	ELEC-2.5.6	Supply of 630A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	1424.50
	<b>2.6</b>	<b>PORCELAIN REWIRABLE FUSE UNITS.</b>			
350	ELEC-2.6.1	Supply of 32A 240V Porcelain Rewirable Fuse Units of makes Gold Medal / HPL / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight / Star.	1	No	99.00
351	ELEC-2.6.2	Supply of 32A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / HPL / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight / Star.	1	No	122.10
352	ELEC-2.6.3	Supply of 63A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / HPL / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight / Star.	1	No	258.50

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
353	ELEC-2.6.4	Supply of 100A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / HPL / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight.	1	No	484.00
354	ELEC-2.6.5	Supply of 200A 415V Porcelain Rewirable Fuse Units with extension strip of makes Gold Medal / HPL / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight.	1	No	891.00
355	ELEC-2.6.6	Supply of 300A 415V Porcelain Rewirable Fuse Units with extension strip of makes Gold Medal / HPL / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight.	1	No	1181.40
	<b>2.7</b>	<b>VOLTAGE SURGE PROTECTORS</b>			
356	ELEC-2.7.1	Supply of 2 Pole 2 Module 40 KA 1.4 KV Voltage Surge Protector of make Legrand / L & T Hager / G E.	1	No	8047.00
357	ELEC-2.7.2	Supply of 4 Pole 4 Module 40 KA 1.4 KV Voltage Surge Protector of make Legrand / L & T Hager / G E.	1	No	15130.00
358	ELEC-2.7.3	Supply of 2 Pole 2 Module 15 KA 1.2 KV Voltage Surge Protector of make Legrand / L & T Hager / G E.	1	No	6430.00
359	ELEC-2.7.4	Supply of 4 Pole 4 Module 15 KA 1.2 KV Voltage Surge Protector of make Legrand / L & T Hager / G E.	1	No	12106.00
	<b>2.8</b>	<b>PANEL MOUNTING MCCBs/ ACBs</b>			
360	ELEC-2.8.1	Supply of 63A / 60A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes LEGRAND / L & T / GE / SCHNEIDER / ABB / SIEMENS.	1	No	6060.40
361	ELEC-2.8.2	Supply of 125A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes LEGRAND / L & T / GE / SCHNEIDER / ABB / SIEMENS.	1	No	7194.00
362	ELEC-2.8.3	Supply of 250A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 36/35 KA Panel Mounted of makes LEGRAND / L & T / GE / SCHNEIDER / ABB / SIEMENS.	1	No	16024.10
363	ELEC-2.8.4	Supply of 400A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 36/35 KA Panel Mounted of makes LEGRAND / L & T / GE / SCHNEIDER / ABB / SIEMENS.	1	No	21691.00
364	ELEC-2.8.5	Supply of 63A / 60A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes LEGRAND / L & T / GE / SCHNEIDER / ABB / SIEMENS.	1	No	6812.50
365	ELEC-2.8.6	Supply of 125A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes LEGRAND / L & T / GE / SCHNEIDER / ABB / SIEMENS.	1	No	8698.20
366	ELEC-2.8.7	Supply of 250A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 35 KA Panel Mounted of makes LEGRAND / L & T / GE / SCHNEIDER / ABB / SIEMENS.	1	No	20817.90

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
367	ELEC-2.8.8	Supply of 400A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 50 KA Panel Mounted of makes LEGRAND / L & T / GE / SCHNEIDER / ABB / SIEMENS.	1	No	22890.00
368	ELEC-2.8.9	Supply of 63A / 60A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes Havells / HPL / Standard / Crystal.	1	No	4229.20
369	ELEC-2.8.10	Supply of 125A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes Havells / HPL / Standard / Crystal.	1	No	4806.90
370	ELEC-2.8.11	Supply of 250A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 36/35 KA Panel Mounted of makes Havells / HPL / Standard / Crystal.	1	No	14822.90
371	ELEC-2.8.12	Supply of 400A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 50 KA Panel Mounted of makes Havells / HPL / Standard / Crystal.	1	No	16569.10
372	ELEC-2.8.13	Supply of 63A / 60A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes Havells / HPL / Standard / Crystal.	1	No	5668.00
373	ELEC-2.8.14	Supply of 125A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes Havells / HPL / Standard / Crystal.	1	No	6322.00
374	ELEC-2.8.15	Supply of 250A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 50 KA Panel Mounted of makes Havells / HPL / Standard / Crystal.	1	No	19564.40
375	ELEC-2.8.16	Supply of 400A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 50 KA Panel Mounted of makes Havells / HPL / Standard / Crystal.	1	No	26208.00
376	ELEC-2.8.17	Supply of 630A 3 Pole Air Circuit Breaker electrical fixed Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault Protection of Siemens / L&T / Legrand / Schneider / ABB make.	1	No	104443.80
377	ELEC-2.8.18	Supply of 630A 4 Pole Air Circuit Breaker electrical fixed Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault Protection of Siemens / L&T / Legrand / Schneider / ABB make.	1	No	129840.80
378	ELEC-2.8.19	Supply of 630A 3 Pole Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault Protection of Siemens / L&T / Legrand / Schneider / ABB make.	1	No	139792.50
379	ELEC-2.8.20	Supply of 630A 4 Pole Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault Protection of Siemens / L&T / Legrand / Schneider / ABB make.	1	No	173146.50

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
380	ELEC-2.8.21	Supply of 800A 3 Pole Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault protection of makes Siemens / L&T / Legrand / Schneider / ABB make.	1	No	147275.40
381	ELEC-2.8.22	Supply of 800A 4 Pole Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault protection of makes Siemens / L&T / Legrand / Schneider / ABB make.	1	No	182744.00
382	ELEC-2.8.23	Supply of 1000A 3 Pole Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault protection of makes Siemens / L&T / Schneider / ABB make.	1	No	154780.00
383	ELEC-2.8.24	Supply of 1000A 4 Pole Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault protection of makes Siemens / L&T / Schneider / ABB make.	1	No	194892.00
	<b>2.9</b>	<b>MCBs (AS PER IS:8828)</b>			
384	ELEC-2.9.1	Supply of 6-32A 10KA SP MCB ISI Mark of make Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	200.60
385	ELEC-2.9.2	Supply of 40-63A 10KA SP MCB ISI Mark of make Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	422.90
386	ELEC-2.9.3	Supply of 6-32A 10KA SPN / DP MCB ISI Mark of make Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	594.10
387	ELEC-2.9.4	Supply of 40-63A 10KA SPN / DP MCB ISI Mark of make Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	961.40
388	ELEC-2.9.5	Supply of 6-32A TP MCB ISI Mark of make Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	954.80
389	ELEC-2.9.6	Supply of 40 - 63A TP MCB ISI Mark of make Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	1477.00
390	ELEC-2.9.7	Supply of 6-32A TPN / FP MCB ISI Mark of make Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	1280.80
391	ELEC-2.9.8	Supply of 40 - 63A TPN / FP MCB ISI Mark of make Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	1898.80
392	ELEC-2.9.9	Supply of 6-32A 10KA SP MCB ISI Mark of make Standard / Havells / HPL / Toyoma/C&S.	1	No	161.30
393	ELEC-2.9.10	Supply of 40-63A 10KA SP MCB ISI Mark of make Standard / Havells / HPL / Toyoma/C&S.	1	No	355.30
394	ELEC-2.9.11	Supply of 6-32A 10KA SPN / DP MCB ISI Mark of make Standard / Havells / HPL / Toyoma/C&S.	1	No	511.20
395	ELEC-2.9.12	Supply of 40-63A 10KA SPN / DP MCB ISI Mark of make Standard / Havells / HPL / Toyoma/C&S.	1	No	700.90
396	ELEC-2.9.13	Supply of 6-32A TP MCB ISI Mark of make Standard / Havells / HPL / Toyoma/C&S.	1	No	817.50
397	ELEC-2.9.14	Supply of 40 - 63A TP MCB ISI Mark of make Standard / Havells / HPL / Toyoma/C&S.	1	No	1133.60

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
398	ELEC-2.9.15	Supply of 6-32A TPN / FP MCB ISI Mark of make Standard / Havells / HPL / Toyoma/C&S.	1	No	1061.70
399	ELEC-2.9.16	Supply of 40 - 63A TPN / FP MCB ISI Mark of make Standard / Havells / HPL / Toyoma/C&S.	1	No	1423.50
400	ELEC-2.9.17	Supply of 6-32A 10KA SP MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	121.00
401	ELEC-2.9.18	Supply of 40-63A 10KA SP MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	220.20
402	ELEC-2.9.19	Supply of 6-32A 10KA SPN MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	334.60
403	ELEC-2.9.20	Supply of 40-63A 10KA SPN / DP MCB ISI Mark C-Curve of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	500.30
404	ELEC-2.9.21	Supply of 6-32A TP MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	611.50
405	ELEC-2.9.22	Supply of 40 - 63A TP MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	945.00
406	ELEC-2.9.23	Supply of 6-32A TPN MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	787.00
407	ELEC-2.9.24	Supply of 40 - 63A TPN MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1111.80
	<b>2.10</b>	<b>ISOLATORS</b>			
408	ELEC-2.10.1	Supply of 32A DP Isolator of make L & T / Legrand / GE / Siemens / Schneider/ABB.			337.90
409	ELEC-2.10.2	Supply of 40A DP Isolator of make L & T / Legrand / GE / Siemens / Schneider/ABB.	1	No	366.20
410	ELEC-2.10.3	Supply of 63A DP Isolator of make L & T / Legrand / GE / Siemens / Schneider/ABB.	1	No	487.20
411	ELEC-2.10.4	Supply of 40A TP Isolator of make L & T / Legrand / GE / Siemens / Schneider/ABB.	1	No	623.50
412	ELEC-2.10.5	Supply of 63A TP Isolator of make L & T / Legrand / GE / Siemens / Schneider/ABB.	1	No	724.90
413	ELEC-2.10.6	Supply of 40A FP Isolator of make L & T / Legrand / GE / Siemens / Schneider/ABB.	1	No	813.10
414	ELEC-2.10.7	Supply of 63A FP Isolator of make L & T / Legrand / GE / Siemens / Schneider/ABB.	1	No	889.40
415	ELEC-2.10.8	Supply of 80A FP Isolator of make L & T / Legrand / GE / Siemens / Schneider/ABB.	1	No	940.70
416	ELEC-2.10.9	Supply of 100A FP Isolator of make L & T / Legrand / GE / Siemens / Schneider/ABB.	1	No	955.90
417	ELEC-2.10.10	Supply of 32A DP Isolator of make Standard / Havells / HPL / Toyoma/C&S.	1	No	317.20
418	ELEC-2.10.11	Supply of 40A DP Isolator of make Standard / Havells / HPL / Toyoma/C&S.	1	No	333.50
419	ELEC-2.10.12	Supply of 63A DP Isolator of make Standard / Havells / HPL / Toyoma/C&S.	1	No	410.90
420	ELEC-2.10.13	Supply of 40A TP Isolator of make Standard / Havells / HPL / Toyoma/C&S.	1	No	584.20



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
421	ELEC-2.10.14	Supply of 63A TP Isolator of make Standard / Havells / HPL / Toyoma/C&S.	1	No	589.70
422	ELEC-2.10.15	Supply of 40A FP Isolator of make Standard / Havells / HPL / Toyoma/C&S.	1	No	678.00
423	ELEC-2.10.16	Supply of 63A FP Isolator of make Standard / Havells / HPL / Toyoma/C&S.	1	No	733.60
424	ELEC-2.10.17	Supply of 80A FP Isolator of make Standard / Havells / HPL / Toyoma/C&S.	1	No	862.20
425	ELEC-2.10.18	Supply of 100A FP Isolator of make Standard / Havells / HPL / Toyoma/C&S.	1	No	917.80
426	ELEC-2.10.19	Supply of 32A DP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	214.70
427	ELEC-2.10.20	Supply of 40A DP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	257.20
428	ELEC-2.10.21	Supply of 63A DP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	344.40
429	ELEC-2.10.22	Supply of 40A TP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	382.60
430	ELEC-2.10.23	Supply of 63A TP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	427.30
431	ELEC-2.10.24	Supply of 40A FP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	571.20
432	ELEC-2.10.25	Supply of 63A FP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	690.00
433	ELEC-2.10.26	Supply of 80A FP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	778.30
434	ELEC-2.10.27	Supply of 100A FP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	862.20
	<b>2.11</b>	<b>RCCBs CONFIRMS TO IEC:61008 AND IS:12640</b>			
435	ELEC-2.11.1	Supply of 40A 2 Pole RCCB 30ma of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	3116.30
436	ELEC-2.11.2	Supply of 63A 2 Pole RCCB 30ma of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	3633.00
437	ELEC-2.11.3	Supply of 40A 2 Pole RCCB 100ma of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	3325.60
438	ELEC-2.11.4	Supply of 63A 2 Pole RCCB 100ma of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	3876.00
439	ELEC-2.11.5	Supply of 40A 4 Pole RCCB 30ma of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	3481.50
440	ELEC-2.11.6	Supply of 63A 4 Pole RCCB 30ma of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	4139.80
441	ELEC-2.11.7	Supply of 40A 4 Pole RCCB 100ma of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	3697.30
442	ELEC-2.11.8	Supply of 63A 4 Pole RCCB 100ma of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	4253.20
443	ELEC-2.11.9	Supply of 40A 2 Pole RCCB 30ma of makes Standard / Havells / HPL.	1	No	2151.70

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
444	ELEC-2.11.10	Supply of 63A 2 Pole RCCB 30ma of makes Standard / Havells / HPL.	1	No	2901.60
445	ELEC-2.11.11	Supply of 40A 2 Pole RCCB 100ma of makes Standard / Havells / HPL.	1	No	2117.90
446	ELEC-2.11.12	Supply of 63A 2 Pole RCCB 100ma of makes Standard / Havells / HPL.	1	No	2779.50
447	ELEC-2.11.13	Supply of 40A 4 Pole RCCB 30ma of makes Standard / Havells / HPL.	1	No	2646.50
448	ELEC-2.11.14	Supply of 63A 4 Pole RCCB 30ma of makes Standard / Havells / HPL.	1	No	3018.20
449	ELEC-2.11.15	Supply of 40A 4 Pole RCCB 100ma of makes Standard / Havells / HPL.	1	No	2557.10
450	ELEC-2.11.16	Supply of 63A 4 Pole RCCB 100ma of makes Standard / Havells / HPL.	1	No	2946.30
451	ELEC-2.11.17	Supply of 40A 2 Pole RCCB 30ma of makes Milltec / Sputnik / Crystal / Bentec.	1	No	1498.80
452	ELEC-2.11.18	Supply of 63A 2 Pole RCCB 30ma of makes Milltec / Sputnik / Crystal / Bentec.	1	No	1843.20
453	ELEC-2.11.19	Supply of 40A 2 Pole RCCB 100ma of makes Milltec / Sputnik / Crystal / Bentec.	1	No	1493.30
454	ELEC-2.11.20	Supply of 63A 2 Pole RCCB 100ma of makes Milltec / Sputnik / Crystal / Bentec.	1	No	1714.60
455	ELEC-2.11.21	Supply of 40A 4 Pole RCCB 30ma of makes Milltec / Sputnik / Crystal / Bentec.	1	No	1747.30
456	ELEC-2.11.22	Supply of 63A 4 Pole RCCB 30ma of makes Milltec / Sputnik / Crystal / Bentec.	1	No	2117.90
457	ELEC-2.11.23	Supply of 40A 4 Pole RCCB 100ma of makes Milltec / Sputnik / Crystal / Bentec.	1	No	1690.60
458	ELEC-2.11.24	Supply of 63A 4 Pole RCCB 100ma of makes Milltec / Sputnik / Crystal / Bentec.	1	No	2003.40
459	ELEC-2.11.25	Supply of MCB type Change Over Switch 20A Double Pole 2 way 400V AC suitable to fix on Din Channel of makes L & T / G E / C & S / HPL / Havells make.	1	No	1879.20
	<b>2.12</b>	<b>MCB DISTRIBUTION BOARDS (AS PER IS:13032)</b>			
460	ELEC-2.12.1	Supply of SP Enclosure with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	250.00
461	ELEC-2.12.2	Supply of DP/TP/FP Metal Enclosure with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	366.00
462	ELEC-2.12.3	Supply of 4 Way SPN DB with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	716.00
463	ELEC-2.12.4	Supply of 8 Way SPN DB with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	804.60
464	ELEC-2.12.5	Supply of 12 Way SPN DB with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	997.90
465	ELEC-2.12.6	Supply of 4 Way SPN DB with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	981.70

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
466	ELEC-2.12.7	Supply of 8 Way SPN DB with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	1225.80
467	ELEC-2.12.8	Supply of 12 Way SPN DB with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	1477.40
468	ELEC-2.12.9	Supply of 4 Way SPN DB with IP 20 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	462.20
469	ELEC-2.12.10	Supply of 8 Way SPN DB with IP 20 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	605.90
470	ELEC-2.12.11	Supply of 12 Way SPN DB with IP 20 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	694.40
471	ELEC-2.12.12	Supply of 4 Way SPN DB with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	799.20
472	ELEC-2.12.13	Supply of 8 Way SPN DB with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	1129.70
473	ELEC-2.12.14	Supply of 12 Way SPN DB with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	1350.00
474	ELEC-2.12.15	Supply of 4 Way SPN DB with IP 20 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal.	1	No	327.20
475	ELEC-2.12.16	Supply of 8 Way SPN DB with IP 20 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal.	1	No	446.00
476	ELEC-2.12.17	Supply of 12 Way SPN DB with IP 20 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal.	1	No	546.50
477	ELEC-2.12.18	Supply of 4 Way SPN DB with IP 43 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal.	1	No	550.80
478	ELEC-2.12.19	Supply of 8 Way SPN DB with IP 43 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal.	1	No	756.00
479	ELEC-2.12.20	Supply of 12 Way SPN DB with IP 43 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal.	1	No	956.90
480	ELEC-2.12.21	Supply of 4 Way TPN DB Horizontal with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	1398.60
481	ELEC-2.12.22	Supply of 8 Way TPN DB Horizontal with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	1982.90
482	ELEC-2.12.23	Supply of 12 Way TPN DB Horizontal with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	4039.20
483	ELEC-2.12.24	Supply of 4 Way TPN DB Horizontal with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	2490.50
484	ELEC-2.12.25	Supply of 8 Way TPN DB Horizontal with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	3681.70
485	ELEC-2.12.26	Supply of 12 Way TPN DB Horizontal with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	5428.10
486	ELEC-2.12.27	Supply of 4 Way TPN DB Vertical with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	5124.60

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
487	ELEC-2.12.28	Supply of 8 Way TPN DB Vertical with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	6321.20
488	ELEC-2.12.29	Supply of 12 Way TPN DB Vertical with IP 20 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	9201.60
489	ELEC-2.12.30	Supply of 4 Way TPN DB Vertical with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	5945.40
490	ELEC-2.12.31	Supply of 6 Way TPN DB Vertical with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	6589.10
491	ELEC-2.12.32	Supply of 8 Way TPN DB Vertical with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	7527.60
492	ELEC-2.12.33	Supply of 12 Way TPN DB Vertical with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	10077.50
493	ELEC-2.12.34	Supply of 7 Segment 4 Way TPN DB Vertical with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	5869.80
494	ELEC-2.12.35	Supply of 7 Segment 8 Way TPN DB Vertical with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	7386.10
495	ELEC-2.12.36	Supply of 4 Way TPN DB suitable for accomodating 125A 4 Pole MCCB as incomer with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	7843.00
496	ELEC-2.12.37	Supply of 8 Way TPN DB suitable for accomodating 125A 4 Pole MCCB as incomer with IP 43 Protection of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	9822.60
497	ELEC-2.12.38	Supply of 20A SP Plug and Socket in SS enclosure of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	900.70
498	ELEC-2.12.39	Supply of 20A TP Plug and Socket in SS enclosure of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	1914.80
499	ELEC-2.12.40	Supply of 32A TP Plug and Socket in SS enclosure of makes Legrand / L & T / GE / Siemens / Schneider/ ABB.	1	No	2286.40
500	ELEC-2.12.41	Supply of 4 Way TPN DB Horizontal with IP 20 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	1398.60
501	ELEC-2.12.42	Supply of 8 Way TPN DB Horizontal with IP 20 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	1982.90
502	ELEC-2.12.43	Supply of 12 Way TPN DB Horizontal with IP 20 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	2643.80
503	ELEC-2.12.44	Supply of 4 Way TPN DB Horizontal with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	2093.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
504	ELEC-2.12.45	Supply of 8 Way TPN DB Horizontal with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	3283.20
505	ELEC-2.12.46	Supply of 12 Way TPN DB Horizontal with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	4615.90
506	ELEC-2.12.47	Supply of 4 Way TPN DB Vertical with IP 20 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	3679.60
507	ELEC-2.12.48	Supply of 8 Way TPN DB Vertical with IP 20 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	5078.20
508	ELEC-2.12.49	Supply of 12 Way TPN DB Vertical with IP 20 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	6554.50
509	ELEC-2.12.50	Supply of 4 Way TPN DB Vertical with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	5419.40
510	ELEC-2.12.51	Supply of 8 Way TPN DB Vertical with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	6906.60
511	ELEC-2.12.52	Supply of 12 Way TPN DB Vertical with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	8857.10
512	ELEC-2.12.53	Supply of 7 Segment 4 Way TPN DB Vertical with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	4715.30
513	ELEC-2.12.54	Supply of 7 Segment 8 Way TPN DB Vertical with IP 43 Protection of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	5927.00
514	ELEC-2.12.55	Supply of 20A SP Plug and Socket in SS enclosure of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	650.20
515	ELEC-2.12.56	Supply of 20A TP Plug and Socket in SS enclosure of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	1233.40
516	ELEC-2.12.57	Supply of 32A TP Plug and Socket in SS enclosure of makes Standard / Havells / HPL / Toyoma/C&S.	1	No	1806.80
517	ELEC-2.12.58	Supply of 4 Way TPN DB Horizontal with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1226.90
518	ELEC-2.12.59	Supply of 8 Way TPN DB Horizontal with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1710.70
519	ELEC-2.12.60	Supply of 12 Way TPN DB Horizontal with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	2119.00
520	ELEC-2.12.61	Supply of 4 Way TPN DB Horizontal with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1575.70
521	ELEC-2.12.62	Supply of 6 Way TPN DB Horizontal with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1849.00
522	ELEC-2.12.63	Supply of 8 Way TPN DB Horizontal with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	2097.40

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
523	ELEC-2.12.64	Supply of 12 Way TPN DB Horizontal with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	2624.40
524	ELEC-2.12.65	Supply of 4 Way TPN DB Vertical with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	2588.80
525	ELEC-2.12.66	Supply of 6 Way TPN DB Vertical with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	3373.90
526	ELEC-2.12.67	Supply of 8 Way TPN DB Vertical with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	4507.90
527	ELEC-2.12.68	Supply of 4 Way TPN DB Vertical with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	2588.80
528	ELEC-2.12.69	Supply of 8 Way TPN DB Vertical with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	4507.90
529	ELEC-2.12.70	Supply of 12 Way TPN DB Vertical with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	6084.70
530	ELEC-2.12.71	Supply of 20A SP Plug and Socket in SS enclosure of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	569.20
531	ELEC-2.12.72	Supply of 20A TP Plug and Socket in SS enclosure of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	889.90
532	ELEC-2.12.73	Supply of 32A TP Plug and Socket in SS enclosure of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1210.70
		<b>SECTION - 3</b>			
	<b>3.1</b>	<b>STREET LIGHT LUMINAIRES</b>			
533	ELEC-3.1.1	Supply of 1 x 36/40 W fluorescent street light luminaire with sheet aluminium housing and UV stabilised acrylic cover of makes Wipro / G.E./ Phillips / Thorn.	1	No	1459.50
534	ELEC-3.1.2	Supply of 1 x 36/40 W fluorescent street light luminaire with sheet aluminium housing and UV stabilised acrylic cover of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	1365.00
535	ELEC-3.1.3	Supply of 1 x 36/40 W fluorescent street light luminaire with sheet aluminium housing and UV stabilised acrylic cover of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Elliot / Capart / Akhil.	1	No	1344.00
536	ELEC-3.1.4	Supply of 80W MV Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Wipro / G.E./ Phillips / Thorn.	1	No	3182.60
537	ELEC-3.1.5	Supply of 80W MV Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Crompton / Bajaj / Surya / Havells.	1	No	2221.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
538	ELEC-3.1.6	Supply of 80W MV Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	1995.00
539	ELEC-3.1.7	Supply of 125W MV Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Wipro / G.E./ Phillips / Thorn.	1	No	3326.40
540	ELEC-3.1.8	Supply of 125W MV Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Crompton / Bajaj / Surya / Havells.	1	No	2339.40
541	ELEC-3.1.9	Supply of 125W MV Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	2047.50
542	ELEC-3.1.10	Supply of 70W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Wipro / G.E./ Phillips / Thorn.	1	No	3921.80
543	ELEC-3.1.11	Supply of 70W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	3863.00
544	ELEC-3.1.12	Supply of 70W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	3360.00
545	ELEC-3.1.13	Supply of 150W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Wipro / G.E./ Phillips / Thorn.	1	No	5758.20
546	ELEC-3.1.14	Supply of 150W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	5368.70
547	ELEC-3.1.15	Supply of 150W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	5197.50
548	ELEC-3.1.16	Supply of 250W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Wipro / G.E./ Phillips / Thorn.	1	No	6615.00
549	ELEC-3.1.17	Supply of 250W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	6390.30

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
550	ELEC-3.1.18	Supply of 250W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP65 protection of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	5670.00
551	ELEC-3.1.19	Supply of 150W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 protection of makes Wipro / G.E./ Phillips / Thorn.	1	No	5811.80
552	ELEC-3.1.20	Supply of 150W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 protection of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	5208.00
553	ELEC-3.1.21	Supply of 150W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 protection of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	4410.00
554	ELEC-3.1.22	Supply of 250W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 protection of makes Wipro / G.E./ Phillips / Thorn.	1	No	7560.00
555	ELEC-3.1.23	Supply of 250W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 protection of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	7350.00
556	ELEC-3.1.24	Supply of 250W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 protection of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	7140.00
557	ELEC-3.1.25	Supply of 400W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 protection of makes Wipro / G.E./ Phillips / Thorn.	1	No	8032.50
558	ELEC-3.1.26	Supply of 400W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 protection of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	7560.00
559	ELEC-3.1.27	Supply of 400W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 protection of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	6510.00
560	ELEC-3.1.28	Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 protection with Control Gear Box without lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	8151.20
561	ELEC-3.1.29	Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 protection with Control Gear Box without lamp of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	7770.00
562	ELEC-3.1.30	Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 protection with Control Gear Box without lamp of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	7140.00



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
563	ELEC-3.1.31	Supply of 2 x 250W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 protection with Control Gear Box without lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	15740.60
564	ELEC-3.1.32	Supply of 2 x 250W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 protection with Control Gear Box without lamp of makes Crompton / Bajaj / Surya / HPL / Transrail.	1	No	15014.00
565	ELEC-3.1.33	Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 protection with Control Gear Box without lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	9096.20
566	ELEC-3.1.34	Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 protection with Control Gear Box without lamp of makes Crompton / Bajaj / Surya / HPL / Transrail.	1	No	8374.80
567	ELEC-3.1.35	Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 protection with Control Gear Box without lamp of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	7536.90
568	ELEC-3.1.36	Supply of 2 x 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 protection with Control Gear Box without lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	17742.90
569	ELEC-3.1.37	Supply of 2 x 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 protection with Control Gear Box without lamp of makes Crompton / Bajaj / Surya / HPL / Transrail.	1	No	16449.30
570	ELEC-3.1.38	Supply of 500W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories of makes Wipro / G.E./ Phillips / Thorn.	1	No	767.60
571	ELEC-3.1.39	Supply of 500W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories of makes Crompton / Bajaj / Surya / HPL / Transrail.	1	No	726.60
572	ELEC-3.1.40	Supply of 500W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	630.00
573	ELEC-3.1.41	Supply of 1000W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories of makes Wipro / G.E./ Phillips / Thorn.	1	No	1801.80
574	ELEC-3.1.42	Supply of 1000W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories of makes Crompton / Bajaj / Surya / HPL / Transrail.	1	No	1547.70

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
575	ELEC-3.1.43	Supply of 1000W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories of makes Elton / RK / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	1260.00
576	ELEC-3.1.44	Supply of 80W MV Well glass and low bay luminaire of IP 65 integral type of makes Wipro / G.E./ Phillips / Thorn.	1	No	2754.20
577	ELEC-3.1.45	Supply of 80W MV Well glass and low bay luminaire of IP 65 integral type of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	2338.40
578	ELEC-3.1.46	Supply of 70W SV Well glass and low bay luminaire of IP 65 integral type of makes Wipro / G.E./ Phillips / Thorn.	1	No	2806.70
579	ELEC-3.1.47	Supply of 70W SV Well glass and low bay luminaire of IP 65 integral type of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	2716.40
	<b>3.2</b>	<b>POST TOP LANTERN LUMINAIRES</b>			
580	ELEC-3.2.1	Supply of 1 x 18W CFL integral post top luminaire with conical shape, opal clear acrylic diffuser with cast alluminium pole mounting capsule complete with all accessories and ballast of makes Crompton / Bajaj / Surya / K Lite / HPL.	1	No	1837.50
581	ELEC-3.2.2	Supply of 125W MV integral type standard Diamond / Spherical Post Top Lantern Luminaire of BJPTI 125 MV or its equivalent with all accessories. makes Crompton / Bajaj / Surya.	1	No	3832.50
582	ELEC-3.2.3	Supply of 70W SV / MH integral HID lamp post top lantern BJDPTI 70SV / MH LPF or its equivalent with diamond / Mushroom / Spherical diffuser etc complete with all accessories of makes Bajaj / Crompton / Surya / HPL.	1	No	3822.00
		<b>ACCESSORIES FOR MV / SV / MH LUMINAIRES</b>			
	<b>3.3</b>	<b>COPPER BALLASTS</b>			
583	ELEC-3.3.1	Supply of 80W MV copper ballast of makes Wipro / G.E./ Phillips / Crompton / Bajaj / Surya / Havells.	1	No	787.50
584	ELEC-3.3.2	Supply of 80W MV copper ballast of makes RK / Ballast Makers / Krishilite / Style Lamp / Akhil / Capart.	1	No	756.00
585	ELEC-3.3.3	Supply of 125W MV copper ballast.of makes Wipro / G.E./ Phillips / Crompton / Bajaj / Surya / Havells.	1	No	861.00
586	ELEC-3.3.4	Supply of 125W MV copper ballast.of makes RK / Ballast Makers / Krishilite / Style Lamp / Akhil / Capart.	1	No	766.50
587	ELEC-3.3.5	Supply of 70 W SV / MH copper ballast.of makes Wipro / G.E./ Phillips / Thorn.	1	No	840.00
588	ELEC-3.3.6	Supply of 70 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	756.00
589	ELEC-3.3.7	Supply of 70 W SV / MH copper ballast.of makes RK / Ballast Makers / Krishilite / Style Lamp / Akhil / Capart.	1	No	682.50
590	ELEC-3.3.8	Supply of 150 W SV / MH copper ballast.of makes Wipro / G.E./ Phillips / Thorn.	1	No	1312.50

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
591	ELEC-3.3.9	Supply of 150 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1181.30
592	ELEC-3.3.10	Supply of 150 W SV / MH copper ballast.of makes RK / Ballast Makers / Krishilite / Style Lamp / Akhil / Capart.	1	No	1060.50
593	ELEC-3.3.11	Supply of 250 W SV / MH copper ballast.of makes Wipro / G.E./ Phillips / Thorn.	1	No	1890.00
594	ELEC-3.3.12	Supply of 250 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1680.00
595	ELEC-3.3.13	Supply of 250 W SV / MH copper ballast.of makes RK / Ballast Makers / Krishilite / Style Lamp / Akhil / Capart.	1	No	1438.50
596	ELEC-3.3.14	Supply of 400 W SV / MH copper ballast.of makes Wipro / G.E./ Phillips / Thorn.	1	No	2730.00
597	ELEC-3.3.15	Supply of 400 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	2457.00
598	ELEC-3.3.16	Supply of 400 W SV / MH copper ballast.of makes RK / Ballast Makers / Krishilite / Style Lamp / Akhil / Capart.	1	No	1995.00
599	ELEC-3.3.17	Supply of Ignitor for SV / MH Lamp of makes Wipro / G.E./ Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1	No	199.50
600	ELEC-3.3.18	Supply of 4 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	126.00
601	ELEC-3.3.19	Supply of 4 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	111.30
602	ELEC-3.3.20	Supply of 4 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	89.30
603	ELEC-3.3.21	Supply of 10 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	210.00
604	ELEC-3.3.22	Supply of 10 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	189.00
605	ELEC-3.3.23	Supply of 10 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	157.50
606	ELEC-3.3.24	Supply of 15 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	252.00
607	ELEC-3.3.25	Supply of 15 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	189.00
608	ELEC-3.3.26	Supply of 15 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	157.50
609	ELEC-3.3.27	Supply of 20 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	336.00
610	ELEC-3.3.28	Supply of 20 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	262.50
611	ELEC-3.3.29	Supply of 20 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	241.50
612	ELEC-3.3.30	Supply of 33 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	546.00
613	ELEC-3.3.31	Supply of 33 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	504.00
614	ELEC-3.3.32	Supply of 33 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	420.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
615	ELEC-3.3.33	Supply of 42 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	609.00
616	ELEC-3.3.34	Supply of 42 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	525.00
617	ELEC-3.3.35	Supply of 42 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	472.50
		<b>ENEGRY SAVING ELECTRONIC BALLAST FOR STREET LIGHT</b>			
618	ELEC-3.3.36	Supply of 70W SV / MH Electronic ballast of makes Trinic or its equivalent.	1	No	2016.00
619	ELEC-3.3.37	Supply of 150W SV / MH Electronic ballast of makes Trinic or its equivalent.	1	No	2755.20
620	ELEC-3.3.38	Supply of 250W SV / MH Electronic ballast of makes Trinic or its equivalent.	1	No	3438.80
621	ELEC-3.3.39	Supply of 400W SV / MH Electronic ballast of makes Trinic or its equivalent.	1	No	4431.00
	<b>3.4</b>	<b>LAMPS</b>			
622	ELEC-3.4.1	Supply of 500W Hallozen Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	108.00
623	ELEC-3.4.2	Supply of 500W Hallozen Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	80.00
624	ELEC-3.4.3	Supply of 500W Hallozen Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	60.00
625	ELEC-3.4.4	Supply of 1000W Hallozen Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	130.00
626	ELEC-3.4.5	Supply of 1000W Hallozen Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	100.00
627	ELEC-3.4.6	Supply of 1000W Hallozen Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	80.00
628	ELEC-3.4.7	Supply of 70W SV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	495.00
629	ELEC-3.4.8	Supply of 70W SV Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	450.00
630	ELEC-3.4.9	Supply of 70W SV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	400.00
631	ELEC-3.4.10	Supply of 150W SV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	710.00
632	ELEC-3.4.11	Supply of 150W SV Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	650.00
633	ELEC-3.4.12	Supply of 150W SV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	600.00
634	ELEC-3.4.13	Supply of 250W SV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	770.00
635	ELEC-3.4.14	Supply of 250W SV Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	720.00
636	ELEC-3.4.15	Supply of 250W SV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	680.00
637	ELEC-3.4.16	Supply of 400W SV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	840.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
638	ELEC-3.4.17	Supply of 400W SV Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	800.00
639	ELEC-3.4.18	Supply of 400W SV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	780.00
640	ELEC-3.4.19	Supply of 70W double end MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	605.00
641	ELEC-3.4.20	Supply of 70W double end MH Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	580.00
642	ELEC-3.4.21	Supply of 70W double end MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	530.00
643	ELEC-3.4.22	Supply of 150W double end MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	900.00
644	ELEC-3.4.23	Supply of 150W double end MH Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	850.00
645	ELEC-3.4.24	Supply of 150W double end MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	800.00
646	ELEC-3.4.25	Deleted			
647	ELEC-3.4.26	Supply of 70W MH Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	890.00
648	ELEC-3.4.27	Supply of 70W MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	850.00
649	ELEC-3.4.28	Supply of 150W MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	990.00
650	ELEC-3.4.29	Supply of 150W MH Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	950.00
651	ELEC-3.4.30	Supply of 150W MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	900.00
652	ELEC-3.4.31	Supply of 250W MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	1350.00
653	ELEC-3.4.32	Supply of 250W MH Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1200.00
654	ELEC-3.4.33	Supply of 250W MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	1100.00
655	ELEC-3.4.34	Supply of 400W MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	1540.00
656	ELEC-3.4.35	Supply of 400W MH Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1450.00
657	ELEC-3.4.36	Supply of 400W MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	1400.00
658	ELEC-3.4.37	Supply of 80W MV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	180.00
659	ELEC-3.4.38	Supply of 80W MV Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	160.00
660	ELEC-3.4.39	Supply of 80W MV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	140.00
661	ELEC-3.4.40	Supply of 125W MV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	190.00
662	ELEC-3.4.41	Supply of 125W MV Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	170.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
663	ELEC-3.4.42	Supply of 125W MV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	150.00
664	ELEC-3.4.43	Supply of 250W MV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	450.00
665	ELEC-3.4.44	Supply of 250W MV Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	420.00
666	ELEC-3.4.45	Supply of 250W MV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	400.00
667	ELEC-3.4.46	Supply of 400W MV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	640.00
668	ELEC-3.4.47	Supply of 400W MV Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	620.00
669	ELEC-3.4.48	Supply of 400W MV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	600.00
670	ELEC-3.4.49	Supply of 160W MLL Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	240.00
671	ELEC-3.4.50	Supply of 160W MLL Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	220.00
672	ELEC-3.4.51	Supply of 160W MLL Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	200.00
	<b>3.5</b>	<b>NATURE SWITCHES</b>			
673	ELEC-3.5.1	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 3 KW of single phase load.	1	No	11088.00
674	ELEC-3.5.2	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 5 KW of single phase load.	1	No	11634.00
675	ELEC-3.5.3	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 8 KW of single phase load.	1	No	13272.00
676	ELEC-3.5.4	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 5 KW of Three phase load.	1	No	13272.00
677	ELEC-3.5.5	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 8 KW of Three phase load.	1	No	14364.00
678	ELEC-3.5.6	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 12 KW of Three phase load.	1	No	19278.00
	<b>3.6</b>	<b>INTERNAL LUMINAIRES</b>			
679	ELEC-3.6.1	Supply of 1 x 11W Mirror light with all standard accessories diffuser of makes Wipro / G.E./ Phillips / Thorn.	1	No	677.30
680	ELEC-3.6.2	Supply of 1 x 11W Mirror light with all standard accessories diffuser of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	577.50
681	ELEC-3.6.3	Supply of 1 x 11W Mirror light with all standard accessories diffuser of makes Elton / RK / Krishilite / Akhil.	1	No	525.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
682	ELEC-3.6.4	Deleted			0.00
683	ELEC-3.6.5	Supply of 1 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with VPIT Chokes and all standard accessories of makes Crompton / Bajaj / HPL / Surya / Havells.	1	No	598.50
684	ELEC-3.6.6	Supply of 1 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with VPIT Chokes and all standard accessories of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil / Million.	1	No	546.00
685	ELEC-3.6.7	Supply of 1 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories of makes Wipro / G.E. / Phillips / Thorn.	1	No	903.00
686	ELEC-3.6.8	Supply of 1 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	850.50
687	ELEC-3.6.9	Supply of 1 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil / Million.	1	No	735.00
688	ELEC-3.6.10	Deleted			0.00
689	ELEC-3.6.11	Supply of 2 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with VPIT Chokes and all standard accessories of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1023.80
690	ELEC-3.6.12	Supply of 2 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with VPIT Chokes and all standard accessories of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	840.00
691	ELEC-3.6.13	Supply of 2 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories of makes Wipro / G.E. / Phillips / Thorn.	1	No	1286.30
692	ELEC-3.6.14	Supply of 2 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1233.80
693	ELEC-3.6.15	Supply of 2 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	1029.00
694	ELEC-3.6.16	Deleted			

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
695	ELEC-3.6.17	Supply of 1 x 36/40W Patty type tube light luminaire powder coated CRCA sheet steel housing with Copper Chokes and all standard accessories of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	273.00
696	ELEC-3.6.18	Supply of 1 x 36/40W Patty type tube light luminaire powder coated CRCA sheet steel housing with Copper Chokes and all standard accessories of makes Elton / RK / Ballast Makers / Krishilite / Kumar / Million / Gold Medal / Vimal / Flourcraft / Akhil.	1	No	231.00
697	ELEC-3.6.19	Deleted			0.00
698	ELEC-3.6.20	Supply of 1 x 36/40W Industrial Box type tube light luminaire powder coated CRCA sheet steel housing with VPIT Chokes and all standard accessories of makes Crompton / Bajaj / Surya / Havells with reflector.	1	No	1102.50
699	ELEC-3.6.21	Supply of 1 x 36/40W Industrial Box type tube light luminaire powder coated CRCA sheet steel housing with VPIT Chokes and all standard accessories of makes Elton / RK / Krishilite / Kumar / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	892.50
700	ELEC-3.6.22	Deleted			0.00
701	ELEC-3.6.23	Supply of 2 x 36/40W Industrial Box type tube light luminaire powder coated CRCA sheet steel housing with VPIT Chokes and all standard accessories of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1207.50
702	ELEC-3.6.24	Supply of 2 x 36/40W Industrial Box type tube light luminaire powder coated CRCA sheet steel housing with VPIT Chokes and all standard accessories of makes Elton / RK / Krishilite / Akhil.	1	No	1071.00
703	ELEC-3.6.25	Deleted			0.00
704	ELEC-3.6.26	Supply of 2 x 36/40W surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with VPIT chokes, Starters, Condencers of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	2310.00
705	ELEC-3.6.27	Supply of 2 x 36/40W surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with VPIT chokes, Starters, Condencers of makes Elton / RK / Krishilite / Akhil.	1	No	1890.00
706	ELEC-3.6.28	Supply of 2 x 36/40W Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with Electronic Ballast of makes.Wipro / G.E./ Phillips / Thorn.	1	No	2730.00
707	ELEC-3.6.29	Supply of 2 x 36/40W Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with Electronic Ballast, of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	2493.80



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
708	ELEC-3.6.30	Supply of 2 x 36/40W Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with Electronic Ballast of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar.	1	No	2073.80
709	ELEC-3.6.31	Deleted			0.00
710	ELEC-3.6.32	Supply of Supply of 2 x 11W CFL Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with VPIT chokes, Starters, Condencers of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1396.50
711	ELEC-3.6.33	Supply of 2 x 11W CFL Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with VPIT chokes, Starters, Condencers of makes Elton / RK / Krishilite / Kumar.	1	No	1260.00
712	ELEC-3.6.34	Supply of 2 x 11W CFL Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with Electronic Ballast of makes Wipro / G.E./ Phillips / Thorn.	1	No	1680.00
713	ELEC-3.6.35	Supply of 2 x 11W CFL Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with Electronic Ballast of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1512.00
714	ELEC-3.6.36	Supply of 2 x 11W CFL Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with Electronic Ballast of makes Elton / RK / Krishilite / Kumar / Style Lamp.	1	No	1360.80
715	ELEC-3.6.37	Deleted			0.00
716	ELEC-3.6.38	Supply of 2 x 36W CFL Paralite louvre (P5) Surface / Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with VPIT Choke of makes Crompton / Bajaj / Surya / Havells.	1	No	3976.40
717	ELEC-3.6.39	Supply of 2 x 36W CFL Paralite louvre (P5) Surface / Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst of makes Wipro / G.E./ Phillips / Thorn.	1	No	4961.30
718	ELEC-3.6.40	Supply of 2 x 36W CFL Paralite louvre (P5) Surface / Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst of makes Crompton / Bajaj / Surya / Havells.	1	No	3937.50
719	ELEC-3.6.41	Deleted			0.00
720	ELEC-3.6.42	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with VPIT Choke of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	3405.20

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
721	ELEC-3.6.43	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst of makes Wipro / G.E./ Phillips / Thorn.	1	No	4410.00
722	ELEC-3.6.44	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	3412.50
723	ELEC-3.6.45	Supply of 1 x 28W surface pendent mounting T5 Luminaire plastic housing with integrated reflector extruded alluminium luminaire with Electronic Ballast and all standard accessories.of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	798.00
724	ELEC-3.6.46	Supply of 1 x 28W surface pendent mounting T5 Luminaire plastic housing with integrated reflector extruded alluminium luminaire with Electronic Ballast and all standard accessories.of makes Elliot / Million / Akhil / Gold Medal / Vimal.	1	No	682.50
725	ELEC-3.6.47	Supply of 1 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with all standard accessories of makes Wipro / G.E./ Phillips / Thorn.	1	No	945.00
726	ELEC-3.6.48	Supply of 1 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with all standard accessories of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	797.00
727	ELEC-3.6.49	Supply of 2 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with all standard accessories of makes Wipro / G.E./ Phillips / Thorn.	1	No	1122.50
728	ELEC-3.6.50	Supply of 2 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with all standard accessories of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1063.70
729	ELEC-3.6.51	Supply of 1 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with all standard accessories of makes Wipro / G.E./ Phillips / Thorn.	1	No	1207.50
730	ELEC-3.6.52	Supply of 1 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with all standard accessories of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1086.80
731	ELEC-3.6.53	Supply of 2 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with all standard accessories of makes Wipro / G.E./ Phillips / Thorn.	1	No	1548.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
732	ELEC-3.6.54	Supply of 2 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with all standard accessories of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1417.50
733	ELEC-3.6.55	Supply of 70W metal halid down light Recessed mounting with control gear of makes Wipro / G.E./ Phillips / Thorn.	1	No	2625.00
734	ELEC-3.6.56	Supply of 70W metal halid down light Recessed mounting with control gear of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	2310.00
735	ELEC-3.6.57	Supply of Recessed mounting 12V 50W adjustable Halozen down light with white colour gold shade including transformer Wipro / G.E./ Phillips / Thorn.	1	No	779.10
736	ELEC-3.6.58	Supply of Recessed mounting 12V 50W adjustable Halozen down light with white colour gold shade including transformer of make Crompton / Bajaj / Surya / HPL / Havells.	1	No	701.40
737	ELEC-3.6.59	Supply of Recessed mounting 12V 50W zoom type Halozen down light with white colour gold shade including transformer of makes Wipro / G.E./ Phillips / Thorn.	1	No	1029.00
738	ELEC-3.6.60	Supply of Recessed mounting 12V 50W zoom type Halozen down light with white colour gold shade including transformer of makes Crompton / Bajaj / Surya / Havells.	1	No	924.00
739	ELEC-3.6.61	Supply of 9/13W VPIT Ballast for CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	147.00
740	ELEC-3.6.62	Supply of 9/13W VPIT Ballast for CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	132.30
741	ELEC-3.6.63	Supply of 9/13W VPIT Ballast for CFL of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart	1	No	115.50
742	ELEC-3.6.64	Supply of 18W VPIT Ballast for CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	147.00
743	ELEC-3.6.65	Supply of 18W VPIT Ballast for CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	126.00
744	ELEC-3.6.66	Supply of 18W VPIT Ballast for CFL of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart	1	No	115.50
745	ELEC-3.6.67	Supply of 20W Copper Wound Ballast of makes Wipro / G.E./ Phillips / Thorn.	1	No	189.00
746	ELEC-3.6.68	Supply of 20W Copper Wound Ballast of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	168.00
747	ELEC-3.6.69	Supply of 20W Copper Wound Ballast of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Akhil / Capart / Million / Gold Medal / Vimal.	1	No	152.30
748	ELEC-3.6.70	Supply of 40W Copper Wound Ballast of makes Wipro / G.E./ Phillips / Thorn.	1	No	189.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
749	ELEC-3.6.71	Supply of 40W Copper Wound Ballast of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	168.00
750	ELEC-3.6.72	Supply of 40W Copper Wound Ballast of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Akhil / Capart / Million / Gold Medal / Vimal.	1	No	152.30
751	ELEC-3.6.73	Supply of 18/20W VPIT Ballast Wipro / G.E./ Phillips / Thorn.	1	No	189.00
752	ELEC-3.6.74	Supply of 18/20W VPIT Ballast Crompton / Bajaj / Surya / HPL / Havells.	1	No	168.00
753	ELEC-3.6.75	Supply of 18/20W VPIT Ballast Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart	1	No	152.30
754	ELEC-3.6.76	Supply of 36/40W VPIT Ballast Wipro / G.E./ Phillips / Thorn.	1	No	220.50
755	ELEC-3.6.77	Supply of 36/40W VPIT Ballast Crompton / Bajaj / Surya / HPL / Havells.	1	No	189.00
756	ELEC-3.6.78	Supply of 36/40W VPIT Ballast Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	1	No	178.50
757	ELEC-3.6.79	Supply of 40W Starter of makes Wipro / G.E./ Phillips / Thorn.	1	No	10.50
758	ELEC-3.6.80	Supply of 40W Starter of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	8.40
759	ELEC-3.6.81	Supply of 40W Starter of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	1	No	7.40
760	ELEC-3.6.82	Supply of Rotor holder(FTL) of makes Wipro / G.E./ Phillips / Thorn.	1	No	21.00
761	ELEC-3.6.83	Supply of Rotor holder(FTL) of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	18.90
762	ELEC-3.6.84	Supply of Rotor holder(FTL) of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	1	No	16.80
763	ELEC-3.6.85	Supply of HID Lamp holder of makes Wipro / G.E./ Phillips / Thorn.	1	No	52.50
764	ELEC-3.6.86	Supply of HID Lamp holder of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	47.30
765	ELEC-3.6.87	Supply of HID Lamp holder of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart	1	No	42.00
766	ELEC-3.6.88	Supply of CFL holder of makes Wipro / G.E./ Phillips / Thorn.	1	No	31.50
767	ELEC-3.6.89	Supply of CFL holder of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	26.30
768	ELEC-3.6.90	Supply of CFL holder of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart	1	No	24.20
769	ELEC-3.6.91	Supply of FTL Starter holder of makes Wipro / G.E./ Phillips / Thorn.	1	No	14.70

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
770	ELEC-3.6.92	Supply of FTL Starter holder of makes Crompton / Bajaj / Surya / Havells.	1	No	12.60
771	ELEC-3.6.93	Supply of FTL Starter holder of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	1	No	11.60
772	ELEC-3.6.94	Supply of 36W Electronic Ballast for FTL.of makes Wipro / G.E./ Phillips / Thorn.	1	No	630.00
773	ELEC-3.6.95	Supply of 36W Electronic Ballast for FTL.of makes Crompton / Bajaj / Surya / HPL / Havells / Trinic / Elliot.	1	No	577.50
774	ELEC-3.6.96	Supply of 36W Electronic Ballast for FTL.of makes Akhil / RK / Krishilite / Kumar / Style Lamp / Million / Gold Medal / Vimal.	1	No	525.00
	<b>3.7</b>	<b>FLOURSCENT / CFL LAMPS</b>			
775	ELEC-3.7.1	Supply of 40W-60W Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	12.00
776	ELEC-3.7.2	Supply of 40W-60W Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	11.00
777	ELEC-3.7.3	Supply of 40W-60W Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	10.00
778	ELEC-3.7.4	Supply of 100W Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	13.00
779	ELEC-3.7.5	Supply of 100W Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	12.00
780	ELEC-3.7.6	Supply of 100W Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	11.00
781	ELEC-3.7.7	Supply of 40W - 60W Milky Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	14.00
782	ELEC-3.7.8	Supply of 40W - 60W Milky Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	13.00
783	ELEC-3.7.9	Supply of 40W - 60W Milky Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	12.00
784	ELEC-3.7.10	Supply of Night Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	11.00
785	ELEC-3.7.11	Supply of Night Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	10.00
786	ELEC-3.7.12	Supply of Night Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	9.00
787	ELEC-3.7.13	Supply of 18/20W fluorescent Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	41.00
788	ELEC-3.7.14	Supply of 18/20W fluorescent Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	39.00
789	ELEC-3.7.15	Supply of 18/20W fluorescent Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	38.00
790	ELEC-3.7.16	Supply of 36/40W fluorescent Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	45.00
791	ELEC-3.7.17	Supply of 36/40W fluorescent Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	40.00
792	ELEC-3.7.18	Supply of 36/40W fluorescent Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	38.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
793	ELEC-3.7.19	Supply of 28W T5 Lamp of makes Crompton / Bajaj / Phillips / Surya / Havells.	1	No	120.00
794	ELEC-3.7.20	Supply of 9W Pin type CFL Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	75.00
795	ELEC-3.7.21	Supply of 9W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	70.00
796	ELEC-3.7.22	Supply of 11W Pin type CFL Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	80.00
797	ELEC-3.7.23	Supply of 11W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	75.00
798	ELEC-3.7.24	Supply of 13W Pin type CFL Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	105.00
799	ELEC-3.7.25	Supply of 13W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	100.00
800	ELEC-3.7.26	Supply of 18W Pin type CFL Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	115.00
801	ELEC-3.7.27	Supply of 18W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	110.00
802	ELEC-3.7.28	Supply of 26W Pin type CFL Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	160.00
803	ELEC-3.7.29	Supply of 26W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	150.00
804	ELEC-3.7.30	Supply of 36W Pin type CFL Lamp of makes Wipro / G.E./ Phillips / Thorn.	1	No	135.00
805	ELEC-3.7.31	Supply of 36W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	130.00
806	ELEC-3.7.32	Supply of up to 5W Retrofit tiny CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	115.00
807	ELEC-3.7.33	Supply of up to 5W Retrofit tiny CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	110.00
808	ELEC-3.7.34	Supply of up to 8W Retrofit tiny CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	125.00
809	ELEC-3.7.35	Supply of up to 8W Retrofit tiny CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	120.00
810	ELEC-3.7.36	Supply of up to 10/11W Retrofit tiny CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	135.00
811	ELEC-3.7.37	Supply of up to 10/11W Retrofit tiny CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	130.00
812	ELEC-3.7.38	Supply of up to 13/14W Retrofit tiny CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	110.00
813	ELEC-3.7.39	Supply of up to 13/14W Retrofit tiny CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	100.00
814	ELEC-3.7.40	Supply of 15W Retrofit tiny CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	180.00
815	ELEC-3.7.41	Supply of 15W Retrofit tiny CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	150.00
816	ELEC-3.7.42	Supply of up to 18/20W Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	170.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
817	ELEC-3.7.43	Supply of up to 18/20W Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	150.00
818	ELEC-3.7.44	Supply of 23W Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	200.00
819	ELEC-3.7.45	Supply of 23/25W Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	180.00
820	ELEC-3.7.46	Supply of up to 25/26W Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	200.00
821	ELEC-3.7.47	Supply of up to 25/26W Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	180.00
822	ELEC-3.7.48	Supply of up to 5W Non - Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	70.00
823	ELEC-3.7.49	Supply of up to 5W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	65.00
824	ELEC-3.7.50	Supply of up to 7 W Non - Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	100.00
825	ELEC-3.7.51	Supply of up to 7 W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	70.00
826	ELEC-3.7.52	Supply of up to 9 W Non - Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	100.00
827	ELEC-3.7.53	Supply of up to 9 W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	80.00
828	ELEC-3.7.54	Supply of up to 11W Non - Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	110.00
829	ELEC-3.7.55	Supply of up to 11W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	80.00
830	ELEC-3.7.56	Supply of up to 13W Non - Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	130.00
831	ELEC-3.7.57	Supply of up to 13W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	115.00
832	ELEC-3.7.58	Supply of up to 18W Non - Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	125.00
833	ELEC-3.7.59	Supply of up to 18W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	110.00
834	ELEC-3.7.60	Supply of up to 20W Non - Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	200.00
835	ELEC-3.7.61	Supply of up to 20W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	180.00
836	ELEC-3.7.62	Supply of up to 27W Non - Retrofit CFL of makes Wipro / G.E./ Phillips / Thorn.	1	No	230.00
837	ELEC-3.7.63	Supply of up to 27W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	210.00
	<b>3.8</b>	<b>ENERGY CONSERVING FIXTURES</b>			
838	ELEC-3.8.1	Supply of TRINIC / ELLIOT or its equivalent make 1 x 28W Patty type powder coated energy conserving tube light luminaire with Electronic ballast operating voltage range of 90 volts to 350 volts power factor > 0.98 current less than 130ma crest factor and total harmonic distortion shall be as per IS Specification with	1	No	893.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		auto cut off at high voltage suitable for 36/40W tube.			
839	ELEC-3.8.2	Supply of ELLIOT or its equivalent make 1 x 28W Patty type powder coated energy conserving tube light luminaire with Electronic ballast operating voltage range of 90 volts to 350 volts power factor > 0.98 current less than 130ma crest factor and total harmonic distortion shall be as per IS Specification with auto cut off at high voltage and auto restart at normal voltage suitable for 36/40W tube.	1	No	919.00
840	ELEC-3.8.3	Supply of TRINIC / ELLIOT or its equivalent make 1 x 28W Box type powder coated energy conserving tube light luminaire with Electronic ballast operating voltage range of 90 volts to 350 volts power factor > 0.98 current less than 130ma crest factor and total harmonic distortion shall be as per IS Specification with auto cut off at high voltage suitable for 36/40W tube.	1	No	945.00
841	ELEC-3.8.4	Supply of ELLIOT or its equivalent make 1 x 28W Box type powder coated energy conserving tube light luminaire with Electronic ballast operating voltage range of 90 volts to 350 volts power factor > 0.98 current less than 130ma 'crest factor total harmonic distortion shall be as per IS Specification with auto cut off at High Voltage and Auto restart at normal voltage suitable for 36/40W tube.	1	No	1024.00
842	ELEC-3.8.5	Supply of TRINIC / ELLIOT or its equivalent make Recessed mounted mirror optic luminaire with paralite louvers (P5) suitable for 2 x 36W CFL lamps.Electronic ballast operating voltage range of 90 volts to 350 volts power factor > 0.98 current less than 130ma crest factor and total harmonic distortion shall be as per the IS Specification with auto cut off at High Voltage suitable for 36/40W tube.	1	No	3623.00
843	ELEC-3.8.6	Supply of ELLIOT or its equivalent make Recessed mounted mirror optic luminaire with paralite louvers (P5) suitable for 2 x 36W CFL lamps.Electronic ballast operating voltage range of 90 volts to 350 volts power factor > 0.98 current less than 130ma crest factor and total harmonic distortion shall be as per the IS Specification with auto cut off at High Voltage and Auto restart at normal voltage for 36/40W tube.	1	No	3728.00
844	ELEC-3.8.7	Supply of TRINIC / ELLIOT or its equivalent make 28 W Electronic Ballast with auto cut off at High Voltage suitable for FTL.	1	No	675.00
845	ELEC-3.8.8	Supply of ELLIOT or its equivalent make 28 W Electronic Ballast with auto cut off at High Voltage and auto restart at normal voltage suitable for FTL.	1	No	725.00
	<b>3.9</b>	<b>LED LUMINAIRES INDOOR</b>			



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
846	ELEC-3.9.1	Supply and Transportation of 30W Recessed / Surface mounting 2' x 2' LED luminaire made of sheet steel body with acrylic diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LED 1 watt having efficacy of > 90 lumens/watt, junction temperature less than 85 degrees centigrade etc complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	15,000.00
847	ELEC-3.9.2	Supply and Transportation of 30W Recessed / Surface mounting 2' x 2' LED luminaire made of sheet steel body with acrylic diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LED 1 watt having efficacy of > 90 lumens/watt, junction temperature less than 85 degrees centigrade etc complete. a) LUMINAIRE MAKE : MIC / BAJAJ / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	12,000.00
848	ELEC-3.9.3	Supply and Transportation of 45W Recessed / Surface mounting 2' x 2' LED luminaire made of sheet steel body with acrylic diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LED 1 watt having efficacy of > 90 lumens/watt, junction temperature less than 85 degrees centigrade etc complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	18,700.00
849	ELEC-3.9.4	Supply and Transportation of 45W Recessed / Surface mounting 2' x 2' LED luminaire made of sheet steel body with acrylic diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LED 1 watt having efficacy of > 90 lumens/watt, junction temperature less than 85 degrees centigrade etc complete. a) LUMINAIRE MAKE : MIC / BAJAJ / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	14,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
850	ELEC-3.9.5	Supply and Transportation of 9W Down lighter Recessed / Surface mounting made of diecast alluminium body with powder coating acrylic diffuser Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 9 Nos of 1W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	4,000.00
851	ELEC-3.9.6	Supply and Transportation of 9W Down lighter Recessed / Surface mounting made of diecast alluminium body with powder coating acrylic diffuser Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 9 Nos of 1W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : MIC / BAJAJ / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART / NANO BRIGHT SOLAR. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	3,000.00
852	ELEC-3.9.7	Supply and Transportation of 18W Down lighter Recessed / Surface mounting made of diecast alluminium body with powder coating acrylic diffuser Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 9 Nos of 2W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	7,150.00
853	ELEC-3.9.8	Supply and Transportation of 18W Down lighter Recessed / Surface mounting made of diecast alluminium body with powder coating acrylic diffuser Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 9 Nos of 2W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : MIC / BAJAJ / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART / NANO BRIGHT SOLAR. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	5,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
854	ELEC-3.9.9	Supply and Transportation of 6W Down lighter Recessed / Surface mounting made of diecast alluminium body with powder coating acrylic diffuser Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 7 Nos of 2W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	2,200.00
855	ELEC-3.9.10	Supply and Transportation of 6W Down lighter Recessed / Surface mounting made of diecast alluminium body with powder coating acrylic diffuser in put voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 7 Nos of 2W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : MIC / BAJAJ / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	1,800.00
856	ELEC-3.9.11	Supply and Transportation of 3W Down lighter Recessed / Surface mounting made of diecast alluminium body with powder coating acrylic diffuser in put voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 7 Nos of 2W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	1,200.00
857	ELEC-3.9.12	Supply and Transportation of 3W Down lighter Recessed / Surface mounting made of diecast alluminium body with powder coating acrylic diffuser in put voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 7 Nos of 2W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : MIC / BAJAJ / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART / NANO BRIGHT SOLAR. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	950.00
858	ELEC-3.9.13	Supply and transportation of 4 w LED Drivers	1	Set	1,390.00
859	ELEC-3.9.14	Supply and transportation of 8 w LED Drivers	1	Set	1,400.00
860	ELEC-3.9.15	Supply and transportation of indoor cove light LED Drivers of 4 TO 8 mtr rope	1	Set	2,660.00
		<b>LED TYPE STREET LIGHTS</b>			

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
861	ELEC-3.9.16	Supply and transportation of 18W LED street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED 1 watt having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency >90% and ISO 9001:2008 certificate etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	14850.00
862	ELEC-3.9.17	Supply and transportation of 18W LED street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED 1 watt having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency >90% and ISO 9001:2008 certificate etc., complete.a) LUMINAIRE MAKE : MIC / BAJAJ / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART.b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	12100.00
863	ELEC-3.9.18	Supply and transportation of 36W LED street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED 1 watt having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency >90% and ISO 9001:2008 certificate etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	24200.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
864	ELEC-3.9.19	Supply and transportation of 36W LED street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED 1 watt having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency >90% and ISO 9001:2008 certificate etc., complete. a) LUMINAIRE MAKE : MIC / BAJAJ / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	20900.00
865	ELEC-3.9.20	Supply and transportation of 60W LED street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED 1 watt having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency >90% and ISO 9001:2008 certificate etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	38500.00
866	ELEC-3.9.21	Supply and transportation of 60W LED street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED 1 watt having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency >90% and ISO 9001:2008 certificate etc., complete. a) LUMINAIRE MAKE : MIC / BAJAJ / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	33550.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
867	ELEC-3.9.22	Supply and transportation of 90W LED street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED 1 watt having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency >90% and ISO 9001:2008 certificate etc., complete.a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E.b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	55000.00
868	ELEC-3.9.23	Supply and transportation of 90W LED street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED 1 watt having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency >90% and ISO 9001:2008 certificate etc., complete. a) LUMINAIRE MAKE : MIC / BAJAJ / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	49500.00
869	ELEC-3.9.24	Supply and transportation of 120W LED street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED 1 watt having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency >90% and ISO 9001:2008 certificate etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E / BAJAJ RUUD / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	74030.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
870	ELEC-3.9.25	Supply and transportation of 120W LED street light luminaire made of pressure diecast alluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED 1 watt having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency >90% and ISO 9001:2008 certificate etc., complete. a) LUMINAIRE MAKE: MIC / CROMPTON GREAVES / AVNI / SURYA / FORTUNE ART. b) LED MAKE: PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	66000.00
		<b>SECTION - 4</b>			
	<b>4.1</b>	<b>U.G. CABLES</b>			
871	ELEC-4.1.1	Supply of 4 Sqmm 2 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	91.80
872	ELEC-4.1.2	Supply of 4 Sqmm 2 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	77.80
873	ELEC-4.1.3	Supply of 4 Sqmm 2 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	73.40
874	ELEC-4.1.4	Supply of 6 Sqmm 2 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	108.00
875	ELEC-4.1.5	Supply of 6 Sqmm 2 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	92.90
876	ELEC-4.1.6	Supply of 6 Sqmm 2 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	86.40
877	ELEC-4.1.7	Supply of 10 Sqmm 2 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	128.50
878	ELEC-4.1.8	Supply of 10 Sqmm 2 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	111.20
879	ELEC-4.1.9	Supply of 10 Sqmm 2 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	103.70
880	ELEC-4.1.10	Deleted			0.00
881	ELEC-4.1.11	Deleted			0.00
882	ELEC-4.1.12	Deleted			0.00
883	ELEC-4.1.13	Supply of 6 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	129.60

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
884	ELEC-4.1.14	Supply of 6 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	111.20
885	ELEC-4.1.15	Supply of 6 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	103.70
886	ELEC-4.1.16	Supply of 10 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	146.90
887	ELEC-4.1.17	Supply of 10 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	127.40
888	ELEC-4.1.18	Supply of 10 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	117.70
889	ELEC-4.1.19	Supply of 16 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	162.00
890	ELEC-4.1.20	Supply of 16 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	139.30
891	ELEC-4.1.21	Supply of 16 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	130.70
892	ELEC-4.1.22	Supply of 25 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	206.30
893	ELEC-4.1.23	Supply of 25 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	179.30
894	ELEC-4.1.24	Supply of 25 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	165.20
895	ELEC-4.1.25	Supply of 35 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	246.20
896	ELEC-4.1.26	Supply of 35 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	211.70
897	ELEC-4.1.27	Supply of 35 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	196.60
898	ELEC-4.1.28	Supply of 50 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	325.10
899	ELEC-4.1.29	Supply of 50 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	279.70



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
900	ELEC-4.1.30	Supply of 50 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	260.30
901	ELEC-4.1.31	Supply of 70 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	420.10
902	ELEC-4.1.32	Supply of 70 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	362.90
903	ELEC-4.1.33	Supply of 70 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	337.00
904	ELEC-4.1.34	Supply of 95 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	546.50
905	ELEC-4.1.35	Supply of 95 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	472.00
906	ELEC-4.1.36	Supply of 95 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	438.50
907	ELEC-4.1.37	Supply of 120 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	668.50
908	ELEC-4.1.38	Supply of 120 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	578.90
909	ELEC-4.1.39	Supply of 120 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	536.80
910	ELEC-4.1.40	Supply of 150 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	761.40
911	ELEC-4.1.41	Supply of 150 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	657.70
912	ELEC-4.1.42	Supply of 150 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	612.40
913	ELEC-4.1.43	Supply of 185 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	933.10
914	ELEC-4.1.44	Supply of 185 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	805.70
915	ELEC-4.1.45	Supply of 185 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Delton / Payal / Gemscab / SPM.	1	Mtr	748.40

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
916	ELEC-4.1.46	Supply of 240 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	1184.80
917	ELEC-4.1.47	Supply of 240 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	1022.80
918	ELEC-4.1.48	Supply of 240 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Payal / Gemscab.	1	Mtr	951.50
919	ELEC-4.1.49	Supply of 300 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	1448.30
920	ELEC-4.1.50	Supply of 300 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	1250.60
921	ELEC-4.1.51	Supply of 300 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Payal / Gemscab.	1	Mtr	1162.10
922	ELEC-4.1.52	Supply of 400 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI / Fortune Art	1	Mtr	1814.40
923	ELEC-4.1.53	Supply of 400 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard.	1	Mtr	1567.10
924	ELEC-4.1.54	Supply of 400 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Finecab / Suncab / Payal / Gemscab.	1	Mtr	1455.80
		<b>11 KV H.T. XLPE CABLES</b>			
925	ELEC-4.1.55	Supply of 3 Core 11 KV 35 Sqmm HT XLPE (E) armoured Cable. As per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes Torrent / Nicco / Universal / CCI/ Polycab.	1	Mtr	602.60
926	ELEC-4.1.56	Supply of 3 Core 11 KV 50 Sqmm HT XLPE (E) armoured Cable. As per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Nicco / Universal / CCI/ Polycab.	1	Mtr	682.60
927	ELEC-4.1.57	Supply of 3 Core 11 KV 70 Sqmm HT XLPE (E) armoured Cable. As per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Nicco / Universal / CCI/ Polycab.	1	Mtr	815.40
928	ELEC-4.1.58	Supply of 3 Core 11 KV 95 Sqmm HT XLPE (E) armoured Cable. As per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Nicco / Universal / CCI/ Polycab.	1	Mtr	972.00
929	ELEC-4.1.59	Supply of 3 Core 11 KV 120 Sqmm HT XLPE (E) armoured Cable. As per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Nicco / Universal / CCI/ Polycab.	1	Mtr	1103.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
930	ELEC-4.1.60	Supply of 3 Core 11 KV 150 Sqmm HT XLPE (E) armoured Cable. As per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Nicco / Universal / CCI/ Polycab.	1	Mtr	1247.40
931	ELEC-4.1.61	Supply of 3 Core 11 KV 185 Sqmm HT XLPE (E) armoured Cable. As per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Nicco / Universal / CCI/ Polycab.	1	Mtr	1474.20
	<b>4.2</b>	<b>CABLE GLANDS</b>			
932	ELEC-4.2.1	Deleted			
933	ELEC-4.2.2	Deleted			
934	ELEC-4.2.3	Deleted			
935	ELEC-4.2.4	Deleted			
936	ELEC-4.2.5	Deleted			
937	ELEC-4.2.6	Deleted			
938	ELEC-4.2.7	Deleted			
939	ELEC-4.2.8	Deleted			
940	ELEC-4.2.9	Deleted			
941	ELEC-4.2.10	Supply and Fixing of Single compression brass cable glands for 3.5 core PVC armoured cable for 185Sqmm with brass washers complete.	1	No	327.00
942	ELEC-4.2.11	Supply and Fixing of Single compression brass cable glands for 3.5 core PVC armoured cable for 240Sqmm with brass washers complete.	1	No	490.50
943	ELEC-4.2.12	Supply and Fixing of Single compression brass cable glands for 3.5 core PVC armoured cable for 300Sqmm with brass washers complete.	1	No	577.70
944	ELEC-4.2.13	Supply and Fixing of Single compression brass cable glands for 3.5 core PVC armoured cable for 400Sqmm with brass washers complete.	1	No	654.00
945	ELEC-4.2.14	Supply and Fixing of single compression brass cable glands for 4 core PVC armoured cable up to 16.0 Sq.mm with brass washers complete.	1	No	93.70
946	ELEC-4.2.15	Supply and Fixing of single compression brass cable glands for 3.5 core PVC armoured cable from 25 Sqmm to 50.0 Sq.mm with brass washers complete.	1	No	137.30
947	ELEC-4.2.16	Supply and Fixing of Single compression brass cable glands for 3.5 core PVC armoured cable from 70 Sqmm to 150.0 Sq.mm with brass washers complete.	1	No	263.80
	<b>4.3</b>	<b>LUGS</b>			
948	ELEC-4.3.1	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable upto 16 Sq.mm including nuts and bolts with connections.	1	No	22.00
949	ELEC-4.3.2	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 25 Sq.mm including nuts and bolts with connections.	1	No	29.70
950	ELEC-4.3.3	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 35 Sq.mm including nuts and bolts with connections.	1	No	33.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
951	ELEC-4.3.4	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 50 Sq.mm including nuts and bolts with connections.	1	No	39.60
952	ELEC-4.3.5	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 70 Sq.mm including nuts and bolts with connections.	1	No	55.00
953	ELEC-4.3.6	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 95 Sq.mm including nuts and bolts with connections.	1	No	64.90
954	ELEC-4.3.7	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 120 Sq.mm including nuts and bolts with connections.	1	No	88.00
955	ELEC-4.3.8	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 150 Sq.mm including nuts and bolts with connections.	1	No	103.40
956	ELEC-4.3.9	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 185 Sq.mm including nuts and bolts with connections.	1	No	148.50
957	ELEC-4.3.10	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 240 Sq.mm including nuts and bolts with connections.	1	No	214.50
958	ELEC-4.3.11	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 300 Sq.mm including nuts and bolts with connections.	1	No	283.80
959	ELEC-4.3.12	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 400 Sq.mm including nuts and bolts with connections.	1	No	418.00
960	ELEC-4.3.13	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable upto 16 Sq.mm including nuts and bolts with connections.	1	No	11.90
961	ELEC-4.3.14	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 25 Sq.mm including nuts and bolts with connections.	1	No	14.00
962	ELEC-4.3.15	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 35 Sq.mm including nuts and bolts with connections.	1	No	16.20
963	ELEC-4.3.16	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 50 Sq.mm including nuts and bolts with connections.	1	No	19.40
964	ELEC-4.3.17	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 70 Sq.mm including nuts and bolts with connections.	1	No	24.80
965	ELEC-4.3.18	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 95 Sq.mm including nuts and bolts with connections.	1	No	27.00
966	ELEC-4.3.19	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 120 Sq.mm including nuts and bolts with connections.	1	No	34.60

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
967	ELEC-4.3.20	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 150 Sq.mm including nuts and bolts with connections.	1	No	40.00
968	ELEC-4.3.21	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 185 Sq.mm including nuts and bolts with connections.	1	No	45.40
969	ELEC-4.3.22	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 240 Sq.mm including nuts and bolts with connections.	1	No	70.20
970	ELEC-4.3.23	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 300 Sq.mm including nuts and bolts with connections.	1	No	91.80
971	ELEC-4.3.24	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 400 Sq.mm including nuts and bolts with connections.	1	No	118.80
	<b>4.4</b>	<b>CABLE JOINTS</b>			
972	ELEC-4.4.1	<b>Deleted</b>			
973	ELEC-4.4.2	<b>Deleted</b>			
974	ELEC-4.4.3	<b>Deleted</b>			
975	ELEC-4.4.4	<b>Deleted</b>			
976	ELEC-4.4.5	<b>Deleted</b>			
977	ELEC-4.4.6	<b>Deleted</b>			
978	ELEC-4.4.7	<b>Deleted</b>			
979	ELEC-4.4.8	<b>Deleted</b>			
980	ELEC-4.4.9	<b>Deleted</b>			
981	ELEC-4.4.10	<b>Deleted</b>			
982	ELEC-4.4.11	<b>Deleted</b>			
983	ELEC-4.4.12	<b>Deleted</b>			
984	ELEC-4.4.13	<b>Deleted</b>			
985	ELEC-4.4.14	<b>Deleted</b>			
986	ELEC-4.4.15	<b>Deleted</b>			
		<b>HEAT SHRINKABLE LT CABLE JOINTS</b>			
987	ELEC-4.4.16	Supply and erecting heat shrinkable straight through joint Indoor / Out door for L.T. OVC Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials and all labour charges etc., complete for 2.5 to 16 Sqmm. Makes Raychem.	1	No	597.30
988	ELEC-4.4.17	Supply and erecting heat shrinkable straight through joint Indoor / Out door for L.T. OVC Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials and all labour charges etc., complete for 25 to 50 Sqmm. Makes Raychem.	1	No	751.30
989	ELEC-4.4.18	Supply and erecting heat shrinkable straight through joint Indoor / Out door for L.T. OVC Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials and all labour charges etc., complete for 70 to	1	No	828.30

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		150 Sqmm. Makes Raychem.			
990	ELEC-4.4.19	Supply and erecting heat shrinkable straight through joint Indoor / Out door for L.T. OVC Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials and all labour charges etc., complete for 185 to 300 Sqmm. Makes Raychem.	1	No	1049.40
991	ELEC-4.4.20	Supply and erecting heat shrinkable straight through joint Indoor / Out door for L.T. OVC Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials and all labour charges etc., complete for 400 Sqmm. Makes Raychem.	1	No	1248.50
		<b>3 CORE 11 KV HT CABLE STRAIGHT THROUGH JOINTS</b>			
992	ELEC-4.4.21	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, PVC Armoured cable 1100V grade complete with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 16 to 35Sqmm.Makes Raychem.	1	No	15070.00
993	ELEC-4.4.22	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, PVC Armoured cable 1100V grade complete with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 50 to 95Sqmm.Makes Raychem.	1	No	18095.00
994	ELEC-4.4.23	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, PVC Armoured cable 1100V grade complete with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 120 to 185Sqmm.Makes Raychem.	1	No	23017.50
		<b>HT END TERMINATION KITS</b>			
995	ELEC-4.4.24	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 70 Sqmm with necessary materials etc., complete.Makes Raychem.	1	No	8210.40
996	ELEC-4.4.25	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 120 Sqmm with necessary materials etc., complete.Makes Raychem.	1	No	8320.40
997	ELEC-4.4.26	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 150 Sqmm with necessary materials etc., complete.Makes	1	No	8924.30

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		Raychem.			
998	ELEC-4.4.27	Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 70 Sqmm with necessary materials etc., complete.Makes Raychem.	1	No	12452.00
999	ELEC-4.4.28	Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 120 Sqmm with necessary materials etc., complete.Makes Raychem.	1	No	12562.00
1000	ELEC-4.4.29	Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 150 Sqmm with necessary materials etc., complete.Makes Raychem.	1	No	13750.00
	<b>4.5</b>	<b>DOUBLE WALLED CORRUGATED HDPE PIPE</b>			
1001	ELEC-4.5.1	Supply and Transportation of DURA LINE (Dura Guard) or its equivalent make of Outer dia 50mm and Inner dia 38mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II.	1	Mtr	96.60
1002	ELEC-4.5.2	Supply and Transportation of DURA LINE (Dura Guard) or its equivalent make of Outer dia 63mm and Inner dia 51mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II.	1	Mtr	123.90
1003	ELEC-4.5.3	Supply and Transportation of DURA LINE (Dura Guard) or its equivalent make of Outer dia 78mm and Inner dia 63mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II.	1	Mtr	151.20
1004	ELEC-4.5.4	Supply and Transportation of DURA LINE (Dura Guard) or its equivalent make of Outer dia 90mm and Inner dia 76mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II.	1	Mtr	162.80
1005	ELEC-4.5.5	Supply and Transportation of DURA LINE (Dura Guard) or its equivalent make of Outer dia 120mm and Inner dia 103.50mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II.	1	Mtr	253.10
1006	ELEC-4.5.6	Supply and Transportation of DURA LINE (Dura Guard) or its equivalent make of Outer dia 160mm and Inner dia 136mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II.	1	Mtr	375.90
1007	ELEC-4.5.7	Supply and Transportation of DURA LINE (Dura Guard) or its equivalent make of Outer dia 180mm and Inner dia 152mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II.	1	Mtr	493.50
1008	ELEC-4.5.8	Supply and Transportation of DURA LINE (Dura Guard) or its equivalent make of Outer dia 200mm and Inner dia 170mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II.	1	Mtr	575.40
	<b>4.6</b>	<b>CABLE TRAYS</b>			

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1009	ELEC-4.6.1	Supply and Installation of 600mm x 75mm x 2mm thick hot dip GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	1300.00
1010	ELEC-4.6.2	Supply and Installation of 600mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	960.00
1011	ELEC-4.6.3	Supply and Installation of 450mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	845.00
1012	ELEC-4.6.4	Supply and Installation of 300mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	725.00
1013	ELEC-4.6.5	Supply and Installation of 600mm x 75mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	577.00
1014	ELEC-4.6.6	Supply and Installation of 750mm x 75mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	616.00
1015	ELEC-4.6.7	Supply and Installation of 600mm x 100mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	660.00
1016	ELEC-4.6.8	Supply and Installation of 750mm x 100mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	711.00
		Note: Perforated cable trays provided without cover 30% may be deducted from above rates.			
		<b>SECTION - 5</b>			
	<b>5.1</b>	<b>FANS</b>			
1017	ELEC-5.1.1	Supply of 48" (1200mm) Sweep Ceiling Fan without Regulator.of makes Crompton Decora / Bajaj Ultima / Havells Velocity / Usha Astra / Orient PSPO.	1	No	1610.00
1018	ELEC-5.1.2	Supply of 48" (1200mm) Sweep Ceiling Fan without Regulator.of makes Crompton High Speed / Bajaj G Gold / Havells Deco / Usha Striker / Orient Summer Pride.	1	No	1725.00



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1019	ELEC-5.1.3	Supply of 48" (1200mm) Sweep Ceiling Fan without Regulator.of makes Crompton / Bajaj / Orient /Usha with 5 Star rating.	1	No	1840.00
1020	ELEC-5.1.4	Supply of 56" (1400mm) Sweep Ceiling Fan without Regulator.of makes Crompton Decora / Bajaj Ultima / Havells Velocity / Usha Astra / Orient PSPO.	1	No	1782.50
1021	ELEC-5.1.5	Supply of 56" (1400mm) Sweep Ceiling Fan without Regulator.of makes Crompton High Speed / Bajaj G Gold / Havells Deco / Usha Striker / Orient Summer Pride.	1	No	1955.00
1022	ELEC-5.1.6	Supply of 56" (1400mm) Sweep Ceiling Fan without Regulator.of makes Crompton Aura / Bajaj R Gold / Havells Festiva / Usha Premium.	1	No	2012.50
1023	ELEC-5.1.7	Supply of 16" (400mm) Wall mounted Fan of makes Crompton SDX Gold / Bajaj Victor / Havells Remote / Usha / Orient.	1	No	2351.80
1024	ELEC-5.1.8	Supply of 16" (400mm) Pedestal Fan of makes Crompton SDX Gold / Bajaj Victor / Havells Remote / Usha / Orient.	1	No	2714.00
1025	ELEC-5.1.9	Supply of 18" (450mm) Air Circulators of makes Crompton / Bajaj / Havells / Orient / Almounard.	1	No	6325.00
1026	ELEC-5.1.10	Supply of 24" (600mm) Air Circulators of makes Crompton / Bajaj / Havells / Orient / Almounard.	1	No	6900.00
1027	ELEC-5.1.11	Supply of 12" (300mm) Cabin fan of makes Crompton / Bajaj / Havells / Orient.	1	No	1500.80
1028	ELEC-5.1.12	Supply of 12" (300mm) ISI, Fresh Air fan of makes Crompton / Bajaj / Havells / Orient.	1	No	1265.00
1029	ELEC-5.1.13	Supply of 9" (225mm) ISI, Fresh Air fan of makes Crompton / Bajaj / Havells / Orient.	1	No	1322.50
1030	ELEC-5.1.14	Supply of 12" (300mm)ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark of makes Crompton / Bajaj / Havells / Orient.	1	No	2645.00
1031	ELEC-5.1.15	Supply of 15" (375mm)ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark of makes Crompton / Bajaj / Havells / Orient.	1	No	3220.00
1032	ELEC-5.1.16	Supply of 18" (450mm)ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark of makes Crompton / Bajaj / Havells / Orient.	1	No	4025.00
	<b>5.2</b>	<b>WATER HEATERS</b>			
1033	ELEC-5.2.1	Supply of 25 Ltrs Star rated Geyser with Copper tank with Metal body of makes Venus / Bajaj / Racold / Usha / Crompton / V-Guard.	1	No	7656.00
1034	ELEC-5.2.2	Supply of 35 Ltrs Star rated Geyser with Copper tank with Metal body of makes Venus / Bajaj / Racold / Usha / Crompton / V-Guard.	1	No	8800.00
1035	ELEC-5.2.3	Supply of 25 Ltrs Star rated Geyser with Copper tank with ABS Plastic body of makes Venus / Bajaj / Racold / Usha / Crompton / V-Guard.	1	No	8855.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1036	ELEC-5.2.4	Supply of 35 Ltrs Star rated Geyser with Copper tank with ABS Plastic body of makes Venus / Bajaj / Racold / Usha / Crompton / V-Guard.	1	No	10945.00
	<b>5.3</b>	<b>ACCESSORIES FOR WATER HEATERS</b>			
1037	ELEC-5.3.1	Heating element of 1.5 / 2.0 / 3.0 KW.	1	No	363.00
1038	ELEC-5.3.2	Supply of thermostat with range 30 <sup>0</sup> to 90 <sup>0</sup> C.Adjustable and suitable for 25 to 50 Ltrs. Capacity.	1	No	220.00
1039	ELEC-5.3.3	Supply of pressure release valve for water heater of 15 to 50 Ltrs.capacity.	1	No	220.00
1040	ELEC-5.3.4	Flexible Nylon / PVC Metallic hose pipe	1	No	121.00
	<b>5.4</b>	<b>ACCESSORIES FOR MOTORS</b>			
1041	ELEC-5.4.1	Supply & Fixing of D.O.L Starter 250V, Single phase, 50Hz. With SS encloser comprising of contactor with bi-metalic relay with necessary push buttons, etc., complete .	1	No	780.00
1042	ELEC-5.4.2	Supply & Fixing of D.O.L Starter 415V, 3 phase, 50Hz.. enclosed with no volt coil and overload protection with necessary materials, etc., complete suitable upto 7.5.HP.	1	No	1450.00
1043	ELEC-5.4.3	Supply & Fixing of Semi automatic star / delta starter suitable for 10 HP to 12.5 HP Induction Motor totally enclosed with over load protection and no volt relay etc., complete.	1	No	4500.00
1044	ELEC-5.4.4	Supply & Fixing of Semi automatic star / delta starter suitable for 15 HP to 25 HP Induction Motor totally enclosed with over load protection and no volt relay etc., complete.	1	No	7000.00
1045	ELEC-5.4.5	Supply & Fixing of Automatic star / delta starter suitable for 10 HP to 12.5 HP Induction Motor totally enclosed with over load protection and no volt relay etc., complete.	1	No	5760.00
1046	ELEC-5.4.6	Supply & Fixing of Automatic star / delta starter suitable up to 15 HP Induction Motor totally enclosed with over load protection and no volt relay etc., complete.	1	No	6097.00
1047	ELEC-5.4.7	Single phasing preventer connected to A.C. supply upto 45A range.	1	No	2106.00
1048	ELEC-5.4.8	Motor Cover made with GI sheet of 18SWG for protection from rain complete.	1	No	45.00
		<b>SINGLE PHASE SUBMERSIBLE MOTOR PUMP SETS</b>			
1049	ELEC-5.4.9	Supply and Transportation of 0.75HP 8 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	14279.00
1050	ELEC-5.4.10	Supply and Transportation of 1.00HP 9 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	15369.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1051	ELEC-5.4.11	Supply and Transportation of 1.00HP 13 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	16023.00
1052	ELEC-5.4.12	Supply and Transportation of 1.50HP 19 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	18857.00
1053	ELEC-5.4.13	Supply and Transportation of 2.00HP 25 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	23326.00
		<b>THREE PHASE SUBMERSIBLE MOTOR PUMP SETS.</b>			
1054	ELEC-5.4.14	Supply and Transportation of 3.00HP 18 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	20492.00
1055	ELEC-5.4.15	Supply and Transportation of 3.00HP 26 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	21255.00
1056	ELEC-5.4.16	Supply and Transportation of 3.00HP 32 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	25724.00
1057	ELEC-5.4.17	Supply and Transportation of 5.00HP 27 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	27032.00
1058	ELEC-5.4.18	Supply and Transportation of 5.00HP 40 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	29648.00
1059	ELEC-5.4.19	Supply and Transportation of 5.00HP 52 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	32918.00
1060	ELEC-5.4.20	Supply and Transportation of 5.00HP 17 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	32373.00
1061	ELEC-5.4.21	Supply and Transportation of 7.5HP 8 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	32373.00
1062	ELEC-5.4.22	Supply and Transportation of 7.5HP 20 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	37060.00
		<b>SINGLE PHASE OPEN WELL SUBMERSIBLE MOTOR</b>			

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		<b>PUMP SETS.</b>			
1063	ELEC-5.4.23	Supply and Transportation of 1.00HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	10246.00
1064	ELEC-5.4.24	Supply and Transportation of 1.50HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	11554.00
1065	ELEC-5.4.25	Supply and Transportation of 3.00HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	14824.00
		<b>THREE PHASE OPEN WELL SUBMERSIBLE PUMP SETS.</b>			
1066	ELEC-5.4.26	Supply and Transportation of 3.00HP Three phase open well ISI submersible motor pumpset.(65/50) Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	14388.00
1067	ELEC-5.4.27	Supply and Transportation of 5.00HP Three phase open well ISI submersible motor pumpset.(75/65) Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	17658.00
1068	ELEC-5.4.28	Supply and Transportation of 7.50HP Three phase open well ISI submersible motor pumpset.(100/75) Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	21037.00
		<b>SINGLE PHASE MONO BLOCK MOTOR PUMP SETS.</b>			
1069	ELEC-5.4.29	Supply and Transportation of 0.5HP Single phase ISI Mono block motor pumpset (25x25mm). Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	4469.00
1070	ELEC-5.4.30	Supply and Transportation of 1.0HP Single phase ISI Mono block motor pumpset (25x25mm). Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	6322.00
1071	ELEC-5.4.31	Supply and Transportation of 1.5HP Single phase ISI Mono block motor pumpset (32x25mm). Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	8611.00
		<b>CONTROL PANEL BOARD FOR MOTORS</b>			
1072	ELEC-5.4.32	Supply and Transportation of Direct - on - Line LTLK / SIEMENS / CROMPTON make starters fitted in sheet metal box size of 265 x 295 x 110mm suitable enclosure for single phase motors up to 3 HP at 220V 50Hz operating range between 80 to 240 Volts with starting and running capacitors assembled with ISI mark contactors and fitted with Legrand make ISI mark MCB etc., complete.	1	No	4992.00
1073	ELEC-5.4.33	Supply and Transportation of Direct - on - Line LTLK / SIEMENS / CROMPTON make starters fitted in sheet metal box size of 265 x 295 x 110mm suitable enclosure for 3 phase motors up to 5 HP at 415V 50Hz fitted with all equipments with suitable ISI mark LTLK / Crompton make Capacitor and Single Phase preventor with Legrand make ISI mark MCB etc., complete.	1	No	9360.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1074	ELEC-5.4.34	Supply and Transportation of Direct - on - Line LTLK / SIEMENS / CROMPTON make starters fitted in sheet metal box size of 265 x 295 x 110mm suitable enclosure for 3 phase motors up to 7.5 HP at 415V 50Hz fitted with all equipments with suitable ISI mark LTLK / Crompton make Capacitor and Single Pahse preventor with Legrand make ISI mark MCB etc., complete.	1	No	10920.00
1075	ELEC-5.4.35	Supply and Transportation of Fully Automatic Star Delta Motor Starters fitted in CRCA sheet steel enclosure suitable for 3 Phase 415V, 50Hz AC Motor Pump set above 7.5HP and up to 12.5HP with ISI marked LTLK / SIEMENS / CROMPTON suitable Capacitor and Single Pahse preventor with Legrand make ISI mark MCB etc., complete.	1	No	18200.00
1076	ELEC-5.4.36	Supply and Transportation of Semi Automatic Star Delta Motor Starters fitted in CRCA sheet steel enclosure suitable for 3 Phase 415V, 50Hz AC Motor Pump set above 7.5HP and up to 12.5HP with ISI marked LTLK / SIEMENS / CROMPTON suitable Capacitor and Single Pahse preventor with Legrand make ISI mark MCB etc., complete.	1	No	17160.00
1077	ELEC-5.4.37	Supply and Transportation of Fully Automatic Star Delta Motor Starters fitted in CRCA sheet steel enclosure suitable for 3 Phase 415V, 50Hz AC Motor Pump set above 12.5HP and up to 120HP with ISI marked LTLK / SIEMENS / CROMPTON suitable Capacitor and Single Pahse preventor with Legrand make ISI mark MCB etc., complete.	1	No	20280.00
1078	ELEC-5.4.38	Supply and Transportation of Semi Automatic Star Delta Motor Starters fitted in CRCA sheet steel enclosure suitable for 3 Phase 415V, 50Hz AC Motor Pump set above 12.5HP and up to 120HP with ISI marked LTLK / SIEMENS / CROMPTON suitable Capacitor and Single Pahse preventor with Legrand make ISI mark MCB etc., complete.	1		19240.00
	<b>5.5</b>	<b>REPAIRS TO AIR CONDITIONERS</b>			
1079	ELEC-5.5.1	Supply, Fabrication of well seasoned T.W frame of size 27" x 19" (with 3"x4" size TW) for 1.0 / 1.5 / 2.0 Ton Window A.C.Unit.	1	No	1065.00
1080	ELEC-5.5.2	Providing 2 No Copper tubes between indoor and outdoor unit for split Air-Conditioner including foaming etc., complete.	1	Mtr	649.00
1081	ELEC-5.5.3	Supply of 1.0 / 1.5 Ton brand new Rotary type sealed compressor.	1	No	8150.00
1082	ELEC-5.5.4	Supply of 2.0 Ton brand new Rotary type sealed compressor.	1	No	9250.00
1083	ELEC-5.5.5	Multi speed Fan Motor suitable for 1.0 / 1.5 / 2.0 Ton Window A.C.Unit of makes Crompton / AU.	1	No	1250.00
1084	ELEC-5.5.6	Fan motor capacitor 6 mfd by new capacitor for A.C machine of 1.0 1.5 / Ton Capacity.	1	No	156.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1085	ELEC-5.5.7	Thermostat switch suitable for 1.0 / 1.5 / 2.0 Ton A.C.Unit.	1	No	410.00
1086	ELEC-5.5.8	Starting capacitor of 80 to 120 mfd. by new approved make capacitor suitable for compressor motor of 1.0 / 1.5 Ton A.C. Unit.	1	No	180.00
1087	ELEC-5.5.9	Running capacitor of 36 mfd by new approved make capacitor suitable for compressor motor of 1.0 / 1.5 Ton A.C.Unit.	1	No	220.00
1088	ELEC-5.5.10	Relay by approved make having pickup voltage 220 Volts and dropout voltage 120 Volts suitable for 1.0 / 1.50 Ton A.C. Unit.	1	No	225.00
1089	ELEC-5.5.11	Filter and capillary tube including welding etc., complete for 1.0 / 1.5 / 2.0 Ton A.C.Unit.	1	No	485.00
1090	ELEC-5.5.12	Air filter suitable for 1.50 Ton Window A.C.Unit P.V.C. / NYLON.	1	No	225.00
1091	ELEC-5.5.13	Air filter suitable for 1.50 Ton Split A.C.Unit P.V.C. / NYLON.	1	No	475.00
1092	ELEC-5.5.14	Rewiring the entire Window type 1.50 Ton A.C.unit with 2.5 Sq.mm Flexible copper cable and putting the same in working conditions.	1	No	325.00
1093	ELEC-5.5.15	Overhauling and servicing the Window type 1.0 / 1.5 Ton A.C. Machine by Cleaning the condensor cooling Coil etc., by blower and oiling the Fan Motor and Cleaning all parts and putting the machine in working condition.	1	No	350.00
1094	ELEC-5.5.16	Fan blade for 1.0 / 1.5 Ton A.C.Machine.	1	No	560.00
1095	ELEC-5.5.17	Grill of 1.0 / 1.5 ton A.C. Machine (for assembled Units).	1	No	427.00
1096	ELEC-5.5.18	Grill of 1.0 / 1.5 ton A.C. Machine of branded units.	1	No	1700.00
1097	ELEC-5.5.19	Rotary / Selector switch by new one.	1	No	115.00
1098	ELEC-5.5.20	Flushing the line, leak testing, leak stopping, vaccumming, dehydrating and charging the gas in the refrigeration system for 1.0/ 1.5 /2.0 Ton Window A.C.Unit.	1	No	1500.00
1099	ELEC-5.5.21	Flushing the line, leak testing, leak stopping, vaccumming, dehydrating and charging the gas in the refrigeration system for 1.5 /2.0 Ton Split A.C.Unit.	1	No	2100.00
1100	ELEC-5.5.22	Spray painting of Refrigerator using good quality paint after scraping the surface etc.	1	No	720.00
1101	ELEC-5.5.23	New sealed compressor of 1/8 HP suitable for 165 to 185 Ltrs. Capacity Refrigerator.	1	No	3100.00
1102	ELEC-5.5.24	Sealed compressor of 1/6 HP suitable for 285 / 310 Ltrs. Capacity Refrigerator.	1	No	3750.00
1103	ELEC-5.5.25	Supply of fan motor by new 1/10 to 1/12 H.P 1250 RPM fan motor for Water Cooler of 80-150 Ltrs.	1	No	1590.00
1104	ELEC-5.5.26	Bush for fan motor of 80-150 Ltrs.	1	No	125.00
1105	ELEC-5.5.27	Fan hook of 12/15mm dia M.S. rod / bar	1	No	20.00
1106	ELEC-5.5.28	19/20mm steel tube down rod of 1 meter length.	1	No	60.00
1107	ELEC-5.5.29	Resistance type regulator for ceiling fans 900/1200/1400mm sweep complete erected on existing	1	No	40.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		board.			
1108	ELEC-5.5.30	Installation of 1.5 / 2.0 TR Split Air Conditioners.	1	No	1500.00
1109	ELEC-5.5.31	Removing of existing 1.5 / 2.0 TR Split Air Conditioners without damaging to copper pipe.	1	No	400.00
		<b>SPLIT AIR CONDITIONERS</b>			
1110	ELEC-5.5.32	Supply of <b>1.5 Ton 3 Star Model</b> capacity split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed rotary type compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length.( <b>Bluestar 3HWE181YB / Carrier DuraKool / Hitachi - RAU 01 8K QDD / Samsung - AS 183 TGA make</b> )	1	No	27,950.00
1111	ELEC-5.5.33	Supply of <b>1.5 Ton 4 Star Model</b> capacity split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed rotary type compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length.( <b>Carrier Durakool Plus / Samsung - AS 18 EFB(crystal wine) make</b> )	1	No	30,500.00
1112	ELEC-5.5.34	Supply of <b>1.5 Ton 5 Star Model</b> capacity split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length.( <b>Carrier DuraKool Star / Blue Star SHWE 181 YB / Hitachi RAU018 GPD / Samsung - AS 18 EXA Vivace Plus (Crystal Black) make</b> )	1	No	35,500.00
1113	ELEC-5.5.35	Supply of <b>2.0 Ton 2 Star Model</b> capacity split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length.( <b>Carrier DuraKool Plus / Panasonic - CS - PC 24 JKY make</b> )	1	No	34,250.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1114	ELEC-5.5.36	Supply of <b>2.0 Ton 3 Star Model</b> capacity split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length. <b>(Bluestar 3HWE241YB / LG-LSA 6BW3 NT1 make)</b>	1	No	35,790.00
1115	ELEC-5.5.37	Supply of <b>2.0 Ton 4 Star Model</b> capacity split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed rotary type compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length. <b>(Bluestar / Carrier Dura Kool Star / Hitachi make)</b>	1	No	38,000.00
1116	ELEC-5.5.38	Supply of <b>1.5 Ton 3 Star Model</b> capacity split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed rotary type compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length. <b>(Daikin FTE 50 / 'O' General / Thoshiba Make)</b>	1	No	33,800.00
1117	ELEC-5.5.39	Supply of <b>1.5 Ton 5 Star Model</b> capacity split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed rotary type compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length. <b>(Daikin FT 50G / 'O' General / Thoshiba Make)</b>	1	No	39,680.00
1118	ELEC-5.5.40	Supply of <b>1.8 / 2.0 Ton 1 Star Model</b> capacity split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length. <b>(Daikin FTE 60 / 'O' General / Thoshiba Make)</b>	1	No	39,000.00



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1119	ELEC-5.5.41	Supply of 1.8 / 2.0 Ton 4 Star Model capacity split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed rotary type compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length. <b>(Daikin FT 60 G / 'O' General / Thoshiba Make)</b>	1	No	45,800.00
		<b>WINDOW AIR CONDITIONERS</b>			
1120	ELEC-5.5.42	Supply of 1.5 Ton 2 Star Model capacity <b>Window AC</b> unit with Hermetically sealed rotary type compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply and capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units. <b>(Bluestar / Carrier Durakool / Hitachi make)</b>	1	No	19,250.00
1121	ELEC-5.5.43	Supply of 1.5 Ton 3 Star Model capacity <b>Window AC</b> unit with Hermetically sealed rotary type compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply and capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units. <b>(Bluestar / Carrier Estrella / Hitachi make)</b>	1	No	24,500.00
1122	ELEC-5.5.44	Supply of 2.0 Ton 1 Star Model capacity <b>Window AC</b> unit with Hermetically sealed rotary type compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply with remote and capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units. <b>(Bluestar / Carrier Durakool / Hitachi make)</b>	1	No	24,490.00
1123	ELEC-5.5.45	Supply of 2.0 Ton 1 Star Model capacity <b>Window AC</b> unit with Hermetically sealed rotary type compressor operating on refrigerant R-22 suitable for operation on 230V, 50Hz, 1Phase AC supply and capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units. <b>(Bluestar / Carrier Durakool / Hitachi make)</b>	1	No	22,990.00
		<b>STABILIZERS</b>			
1124	ELEC-5.5.46	Supply of 0.5 KVA Stabilizer of make V-Guard / Real Guard / Uni Stab / ITL.	1	No	990.00
1125	ELEC-5.5.47	Supply of 0.5 KVA Stabilizer of make Keeline / Soft Line / Capri.	1	No	810.00
1126	ELEC-5.5.48	Supply of 1.0 KVA Stabilizer of make V-Guard / Real Guard / Uni Stab / ITL.	1	No	1805.00
1127	ELEC-5.5.49	Supply of 1.0 KVA Stabilizer of make Keeline / Soft Line / Capri.	1	No	1615.00
1128	ELEC-5.5.50	Supply of 3.0 KVA Stabilizer of make V-Guard / Real Guard / Uni Stab / ITL.	1	No	2500.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1129	ELEC-5.5.51	Supply of 3.0 KVA Stabilizer of make Keeline / Soft Line / Capri.	1	No	2300.00
1130	ELEC-5.5.52	Supply of 4.0 KVA Stabilizer of make V-Guard / Real Guard / Uni Stab / ITL.	1	No	3325.00
1131	ELEC-5.5.53	Supply of 4.0 KVA Stabilizer of make Keeline / Soft Line / Capri.	1	No	3135.00
1132	ELEC-5.5.54	Supply of 5.0 KVA Stabilizer of make V-Guard / Real Guard / Uni Stab / ITL.	1	No	4002.00
1133	ELEC-5.5.55	Supply of 5.0 KVA Stabilizer of make Keeline / Soft Line / Capri.	1	No	3806.00
	<b>5.6</b>	<b>REPAIRS TO MOTORS AND REWINDING, BEARINGS</b>			
1134	ELEC-5.6.1	Bearing of approved make for electric motor single phase / 3 phase AC upto 1 HP of all types.	1	No	179.00
1135	ELEC-5.6.2	Bearing of approved make for electric motor single phase / 3 phase AC upto 2 to 3 HP of all types.	1	No	231.00
1136	ELEC-5.6.3	Bearing of approved make for electric motor single phase / 3 phase AC upto 5 to 7.5 HP of all types.	1	No	306.00
1137	ELEC-5.6.4	Bearing of approved make for electric motor single phase / 3 phase AC upto 10 to 12.5 HP of all types.	1	No	319.00
1138	ELEC-5.6.5	Bearing of approved make for electric motor single phase / 3 phase AC upto 15 to 20 HP of all types.	1	No	489.00
1139	ELEC-5.6.6	Bearing of table / cabin / pedestal / ceiling / exhaust fan complete with alignment of shaft and tested.	1	No	84.00
1140	ELEC-5.6.7	Bearing of bush / rubber / ring washers complete with alignment of shaft and tested.	1	No	40.00
1141	ELEC-5.6.8	Capacitor of table / cabin / pedestal / ceiling / exhaust fan complete.	1	No	38.00
1142	ELEC-5.6.9	EICHER model 11:10 with 100 H. P direct injection 4 stroke engine with one spare wheel 3800 mm cabin high deck with jangla (full body) (4 wheeler) for generator	1	No	795069.00
1143	ELEC-5.6.10	Deleted			
1144	ELEC-5.6.11	Deleted			
1145	ELEC-5.6.12	Deleted			
1146	ELEC-5.6.13	Deleted			
1147	ELEC-5.6.14	Deleted			
	<b>6.1</b>	<b>SWAGED POLES / OCTOGONAL POLES, GARDEN POSTS AND ACCESSORIES</b>			
1148	ELEC-6.1.1	Fabrication, supply and transportation of all sizes swaged poles up to site confirming to IS 2713 / 1980 specifications. The pole should be painted with primary coat of red oxide and black bituminous paint up to ground level with base plate, including cost of all materials etc., complete.(Rate per K. G)	1	Kg	70.20
1149	ELEC-6.1.2	Fabrication and Supply of M.S. Poles for garden posts with 'B' class 60.25mm outer dia with base plate and suitable pole cap including cost and conveyance of all material including fixing of luminaire and labour charges etc., complete. (Rate per K. G)	1	Kg	64.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1150	ELEC-6.1.3	Supply of different sizes of M. S. Pipe brackets (Rate per K.G)	1	Kg	64.80
1151	ELEC-6.1.4	Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 7.50 Mtrs height Pole having dimensions Bottom 130 mm,. Top 70mm with 3mm thick, base plate 220 x 220 x 12mm and 4 Nos of M20 x 700 long 'J' bolts along with template of Makes Bajaj / Aster /TRANSRAIL / Surya.	1	No	9679.00
1152	ELEC-6.1.5	Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 9 Mtrs height Pole having dimensions Bottom 155 mm,. Top 70mm with 3mm thick, base plate 260 x 260 x 16mm and 4 Nos of M24 x 750 long 'J' bolts along with template of Makes Bajaj / Aster / TRANSRAIL / Surya.	1	No	14292.70
1153	ELEC-6.1.6	Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 10 Mtrs height Pole having dimensions Bottom 175 mm,. Top 70mm with 3mm thick, base plate 285 x 285 x16mm and 4 Nos of M24 x 750 long 'J' bolts along with template of Makes Bajaj / Aster /TRANSRAIL / Surya.	1	No	15664.30
1154	ELEC-6.1.7	Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 12 mtrs height Pole having dimensions Bottom 200mm / 240mm, Top 100mm / 90mm with 4mm thick, base plate 320 x320 x20mm and 4 Nos of M24 x 850 long 'J' bolts along with template of Makes Bajaj / Aster /TRANSRAIL / Surya.	1	No	25039.80
1155	ELEC-6.1.8	Fabrication, Transportation and supply of 1.0 Mtr Length Single Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe.	1	No	1215.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1156	ELEC-6.1.9	Fabrication, Transportation and supply of 1.50 Mtr Length Single Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe.	1	No	1603.80
1157	ELEC-6.1.10	Fabrication, Transportation and supply of 1 Mtr length Double Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe.	1	No	1399.70
1158	ELEC-6.1.11	Fabrication, Transportation and supply of 1.50 Mtr length Double Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe.	1	No	2478.60
1159	ELEC-6.1.12	Fabrication, transportation and supply of MS hot dip galvanized 9.0 Mtrs long octagonal poles with 3mm thick HT steel plate with a bottom 200mm / 240mm dia and top 100mm / 90mm dia, base plate of size 290mmx290mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.5mtrs <b>sword type</b> decorative <b>double arm</b> bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes Bajaj / Aster / TRANSRAIL / Surya.	1	No	23814.00
1160	ELEC-6.1.13	Foundation and erection charges for 9 mtrs / 10 Mtrs long Octagonal/Conical pole duly erecting on base plate 290mm x 290mm x 16mm thick duly providing 4 Nos. foundation bolts with nuts with providing of M20 c.c work vibrated concreting mixing with necessary steel (38kgs) reinforcement as directed by the field engineers during execution including all labour charges and cost and conveyance of materials etc. complete.	1	No	4500.00
1161	ELEC-6.1.14	Fabrication, transportation and supply of 12 Mtrs Polygon High Mast with single section of 3mm thick of Bottom 350mm / 360mm and Top 125mm / 100mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 520mm dia 16mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp Makes Bajaj / Aster / TRANSRAIL / Surya.	1	No	93957.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1162	ELEC-6.1.15 A	Fabrication, transportation and supply of 16 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick with GLS type aviation lamp of Bottom 350mm and Top 125mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 560mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp Makes Bajaj / Aster / TRANSRAIL / Surya.	1	No	134879.00
1163	ELEC-6.1.16	Fabrication, transportation and supply of 16 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick with GLS type aviation lamp of Bottom 410mm and Top 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 570mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 30 x 850 mm foundation bolts of required quantity with GLS type aviation twin lamp Makes Bajaj / Aster / TRANSRAIL / Surya.	1	No	145000.00
1164	ELEC-6.1.17	Fabrication, transportation and supply of 20 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick of Bottom 400mm / 410mm and Top 150mm / 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 570mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp of Makes Bajaj / Aster / TRANSRAIL /	1	No	168255.40

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		Surya.			
1165	ELEC-6.1.18	Supply and fixing of suitable feeder pillar box made with 14 SWG CRCA sheet including S & F of Legrand / Schnieder / Siemens / ABB / L&T make 40A TP MCB, 6 Nos SP MCB's, bus bars, 6 Sqmm 3 core copper cable for individual light control, contactor, suitable timer and connectors and provision for energy meter etc., complete for finished item of work.	1	No	28883.50
1166	ELEC-6.1.19	Supply and fixing of suitable feeder pillar box made with 14 SWG CRCA sheet including S & F of Legrand / Schnieder / Siemens / ABB / L&T make 63A TP MCB, 8 Nos SP MCB's, bus bars, 6 Sqmm 3 core copper cable for individual light control, contactor, suitable timer and connectors and provision for energy meter etc., complete for finished item of work.	1	No	30472.20
1167	ELEC-6.1.20	Earth work excavation with a approximate quantity of 4.0 Cum for erection of 12 Mtrs high mast and refilling with a quantity of 0.53 Cum of PCC 1:4:8, 1.50 Cum M 20 grade concrete and (80 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carriage etc complete.	1	No	28073.00
1168	ELEC-6.1.21	Earth work excavation with a approximate quantity of 6.0 Cum for erection of 16 Mtrs high mast and refilling with a quantity of 0.65 Cum of PCC 1:4:8, 2.60 Cum M 20 grade concrete and (110 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carriage etc complete.	1	No	35794.00
1169	ELEC-6.1.22	Earth work excavation with a approximate quantity of 7.0 Cum for erection of 20 Mtrs high mast and refilling with a quantity of 0.75 Cum of PCC 1:4:8, 3.60 Cum M 20 grade concrete and (140 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carriage etc complete.	1	No	45551.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1170	ELEC-6.1.23	Fabrication,transportation and supply of MS hot dip galvanized 9.0 Mtrs long octagonal poles with 3mm thick HT steel plate with a bottom 155mm dia and top 75mm dia, base plate of size 260mmx260mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.5mtrs <b>sword type</b> decorative <b>single arm</b> bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes Bajaj / Aster /TRANSRAIL / Surya.	1	No	18698.00
1171	ELEC-6.1.24	Fabrication,transportation and supply of MS hot dip galvanized 9.0 Mtrs long Conical poles with 3mm thick HT steel plate with a bottom 173mm dia and top 75mm dia, base plate of size 275mmx275mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.0 mtrs <b>C type</b> decorative <b>single arm</b> with painted bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes Bajaj / Aster / TRANSRAIL / Surya.	1	No	14580.00
1172	ELEC-6.1.25	Fabrication,transportation and supply of MS hot dip galvanized 10.0 Mtrs long Conical poles with 3mm thick HT steel plate with a bottom 184mm dia and top 75mm dia, base plate of size 275mmx275mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.5 mtrs <b>C type</b> decorative <b>Double arm</b> with painted bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes Bajaj / Aster / TRANSRAIL / Surya.	1	No	16740.00
		Supply of following sizes thermo plastic pole boxes IP 65 protection Make : Hensel / Sintex			
1173	ELEC-6.1.26	300X150X170	1	No	1220.00
1174	ELEC-6.1.27	300X300X170	1	No	1750.00
1175	ELEC-6.1.28	300X450X170	1	No	2385.00
1176	ELEC-6.1.29	300X600X170	1	No	2830.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1177	ELEC-6.1.30	Erection charges for 7.50 Mts long Octagonal pole on bridge kerb portion (R.C.C). with 4 Nos 8" Anchor bolts/ M20xsuitable "J" type bolts etc duly drilling holes to RCC slab and with V.C.C. M.15 concrete for base concreting up to a height of 8" with necessary Reinforcement work etc. including cost and conveyance of all material and all labour charges etc. complete as directed by the department officers.	1	No	3200.00
	<b>6.2</b>	<b>CONTROL PANEL BOARD</b>			
1178	ELEC-6.2.1	Fabrication and erection of 14SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.	1	sq. inch	2.40
1179	ELEC-6.2.2	Fabrication and erection of 16 SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.	1	sq. inch	2.20
1180	ELEC-6.2.3	Fabrication and erection of 18SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.	1	sq. inch	1.90
	<b>6.3</b>	<b>METERING EQUIPMENT</b>			
1181	ELEC-6.3.1	Supply and erection of 0-415V volt Digital meter of size 96x96mm on existing box / panel board including connections etc., complete.CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	2500.00
1182	ELEC-6.3.2	Supply and erection of 0-415V volt Analog meter of size 96x96mm on existing box / panel board including connections etc., complete.CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	450.00
1183	ELEC-6.3.3	Supply and erection of 0-100 / 200 / 400 / 600 /1000 - 5A CT Digital Ammeter of size 96x96mm on existing box / panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	2500.00
1184	ELEC-6.3.4	Supply and erection of 0-100 / 200 / 400 / 600 /1000 - 5A CT Analog Ammeter of size 96x96mm on existing box / panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	450.00
1185	ELEC-6.3.5	Supply and erection of Digital frequency meter of size 96x96mm on existing box / panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	4556.00



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1186	ELEC-6.3.6	Supply and erection of Digital power factor meter, 3 phase, 4 wire balanced or unbalanced load 5A, 415V of size 96x96mm on existing box / panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	2700.00
1187	ELEC-6.3.7	Supply and erection of L.T. 3phase Digital multifunction energy meter with 3 lines LCD display of size 96x96mm for measuring all the parameters (voltage / Current / Power / frequency / power factor / kw / kwh / KVAR/ KVARH/) on existing box panel board including connections etc., complete.CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	10023.00
1188	ELEC-6.3.8	Supply and erection of Analog selector switch for voltmeter / Ammeter on the existing box / panel including connections etc., complete. L&T / C&S / SALZAR / HPL MAKE.	1	No	175.00
1189	ELEC-6.3.9	Supply and erection of Analog LED indicator lamps on the existing box / panel board.L&T / C&S / SALZAR / HPL MAKE.	1	No	135.00
1190	ELEC-6.3.10	Supply and erection of Analog LT current transformer with bar primary 100/5A to 1000 / 5A ratio in the existing box / panel including connections etc., complete. KAPPA MAKE.	1	No	450.00
1191	ELEC-6.3.11	Supply and fixing of single phase Analog energy Meter,240V AC,50 HZ as per IS13010 with 2.5-5 /5-10/10-20 Amps range with 200% over load capacity complete with connections etc., complete on the existing board. CONZERVE / ELMEASURE / MECO / HPL / HAVELLS MAKE.	1	No	1012.00
1192	ELEC-6.3.12	Supply and fixing of three phase Analog energy Meter, 415V AC,50 HZ as per IS13010 with 2.5-5 /5-10/10-20 Amps range with 200% over load capacity complete with connections etc., complete on the existing board. CONZERVE / ELMEASURE / MECO / HPL / HAVELLS MAKE.	1	No	3037.00
	<b>6.4</b>	<b>SUB STATION EQUIPMENT</b>			
1193	ELEC-6.4.1	Carryout routine maintenance, servicing and testing of 630A to 1000A L.T.ACB by cleaning fixed contacts, moving contacts and arcchutes including servicing and putting the ACB in perfect working condition after detting all relay and ON, OFF mechanism etc.	1	No	1800.00
1194	ELEC-6.4.2	Carryout routine maintenance and servicing of LT.Cubical pannel board having approximately 15 to 22 Nos of switches cleaning with power brower and servicing the contacts, tightning the connection of incoming and outgoing cables, and clicking the operating machanism for smooth functioning of switches and putting them in smooth working condition.	1	No	2500.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1195	ELEC-6.4.3	Routine maintenance of transformer in operation covering insulation resistance oil, break down strength. Reconditioning / replacement of silicazel, cleaning of transformer and topping upto oil level if required (extra cost will be paid for oil).	1	No	4350.00
1196	ELEC-6.4.4	Testing of Transformer oil for dielectric breakdown strength.	1	No	500.00
1197	ELEC-6.4.5	Removing the existing transformer from the plinth / Pole and refixing the standby transformer of following capacity including connections etc., complete.- Upto 315 KVA	1	No	2500.00
1198	ELEC-6.4.6	Removing the existing transformer from the plinth / Pole and refixing the standby transformer of following capacity including connections etc., complete. -500 / 1000 KVA	1	No	3500.00
1199	ELEC-6.4.7	Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -Upto 315 KVA	1	No	750.00
1200	ELEC-6.4.8	Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -500 / 1000 KVA	1	No	1050.00
1201	ELEC-6.4.9	Replacing old and unserviceable gasket of H. T bushing for the following Transformer capacity. -Upto 315 KVA	1	No	300.00
1202	ELEC-6.4.10	Replacing old and unserviceable gasket of H. T bushing for the following Transformer capacity. -500 / 1000 KVA	1	No	550.00
1203	ELEC-6.4.11	Replacing old and unserviceable gasket of L.T bushing for the following transformer capacity. Upto 315 KVA	1	No	700.00
1204	ELEC-6.4.12	Replacing old and unserviceable gasket of L.T bushing for the following transformer capacity. 500 / 1000 KVA	1	No	1450.00
1205	ELEC-6.4.13	Replacement the H/T / L. T burntout winding coils of distribution transformer including rewinding, varnishing and vaccuming etc.,duly retaining the removed burnt winding coils by the Contractor / Firm- <b>For copper coils</b>	1	Kg	590.00
1206	ELEC-6.4.14	Replacement the H/T / L. T burntout winding coils of distribution transformer including rewinding, varnishing and vaccuming etc.,duly retaining the removed burnt winding coils by the Contractor / Firm - <b>For aluminium coils</b>	1	Kg	390.00
1207	ELEC-6.4.15	Insulating HT / LT copper / aluminium coils for Transformers.	1	No	300.00
1208	ELEC-6.4.16	Painting with 2 coats Zinchromate red oxide duly scraping existing paint followed by 2 coats of hammerton grey paint etc., complete. -Upto 500 KVA	1	No	3000.00
1209	ELEC-6.4.17	Painting with 2 coats Zinchromate red oxide duly scraping existing paint followed by 2 coats of hammerton grey paint etc., complete. -630 / 1000 KVA	1	No	4000.00
1210	ELEC-6.4.18	Replacing H.T bushing for distribution Transformer by	1	No	350.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		new one.			
1211	ELEC-6.4.19	Replacing H.T bushing metal parts for distribution Transformer by new one.	1	No	380.00
1212	ELEC-6.4.20	Replacing L.T bushing for distribution Transformer by new one for the following capacities. - <b>Upto 315 KVA</b>	1	No	165.00
1213	ELEC-6.4.21	Replacing L.T bushing for distribution Transformer by new one for the following capacities.- <b>500 / 1000 KVA</b>	1	No	175.00
1214	ELEC-6.4.22	Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. - 100 KVA	1	No	300.00
1215	ELEC-6.4.23	Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. - 250 / 315 KVA	1	No	500.00
1216	ELEC-6.4.24	Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. - 500 KVA	1	No	1300.00
1217	ELEC-6.4.25	Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. - 1000 KVA	1	No	2000.00
1218	ELEC-6.4.26	Drying the repaired transformer with appropriate heat / air of following capacity of transformers. -Upto 315 KVA	1	No	3000.00
1219	ELEC-6.4.27	Drying the repaired transformer with appropriate heat / air of following capacity of transformers. -500 / 1000KVA	1	No	4200.00
1220	ELEC-6.4.28	Loading and Unloadng of transformer from site to Workshop or vice verse. -Upto 500 KVA	1	No	4500.00
1221	ELEC-6.4.29	Loading and Unloadng of transformer from site to Workshop or vice verse. -630 / 1000 KVA	1	No	6800.00
1222	ELEC-6.4.30	Transformer oil tested as per IS-335 - 1972 (per Ltr)	1	Ltr	90.00
1223	ELEC-6.4.31	Filtration of transformer oil as per ISS specifications filters to die electric strength above 40 K. V at site. (per Ltr)	1	Ltr	8.00
1224	ELEC-6.4.32	Filtration of transformer oil as per ISS specifications filters to die electric strength above 40 K. V at workshop (per Ltr)	1	Ltr	5.00
1225	ELEC-6.4.33	Supply of MPP type HD capacitor bank ISI Make L&T / Capco / C&S/Siemens	1	KVAR	330.00
1226	ELEC-6.4.34	Supply of MDXL type HD capacitor bank ISI Make L&T / Capco / C&S/Siemens	1	KVAR	625.00
	<b>6.5</b>	<b>LIGHTENING PROTECTIVE SYSTEM</b>			
1227	ELEC-6.5.1	Supply and erecting approved make 11KV, 5KA metal oxide lightning arrestors suitable for 11 KV supply with necessary materials on existing cross arm.	1	No	1,500.00
1228	ELEC-6.5.2	Supply and erecting porcelain disc type insulator suitable for 11KV line with suitable hardware on existing cross arms.	1	No	600.00
1229	ELEC-6.5.3	Supply and erecting porcelain pin type insulator suitable for 11KV line with suitable hardware on existing cross arms.	1	No	300.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1230	ELEC-6.5.4	Supply and erecting porcelain post type insulator suitable for 11KV line with suitable hardware on existing cross arms.	1	No	675.00
1231	ELEC-6.5.5	Supply and erecting porcelain pin/shackle type insulator suitable for L. T.	1	No	90.00
1232	ELEC-6.5.6	Supply and fixing of lightning protective system conforming to IS : 2309 with all standard accessories such as metal globe finials on the top of the building with 25.4 mm dia 3.0mtrs. Length of 'B' class G.I pipe etc., complete without down conductors and earthing.	1	No	600.00
1233	ELEC-6.5.7	Approved made 11KV, 400A A.B switch with all standard accessories etc., complete with cost and conveyance of all materials.	1	No	7000.00
1234	ELEC-6.5.8	Approved made 11KV, 200A A.B switch with all standard accessories etc., complete with cost and conveyance of all materials.	1	No	6100.00
1235	ELEC-6.5.9	Approved made 11KV, 200A A.B switch (tilting) with all standard accessories etc., complete with cost and conveyance of all materials.	1	No	5900.00
1236	ELEC-6.5.10	11KV, H.G fuse set including all standard accessories etc., complete with cost and conveyance of all materials.	1	No	4000.00
1237	ELEC-6.5.11	Supply of 7/3.15 AAA C all Alluminium annealed conductor Rabbit.	1	Km	25012.80
1238	ELEC-6.5.12	Supply of 7/2.50 AAA C all Alluminium annealed conductor Weasel.	1	Km	15382.40
1239	ELEC-6.5.13	Supply of 9.1 Mtr PSCC Pole 280 Kg Working load.	1	No	3128.40
1240	ELEC-6.5.14	Supply of 8.0 Mtr PSCC Pole 140 Kg Working load.	1	No	1664.30
1241	ELEC-6.5.15	Supply of 175 x 85 mm / 150 x 75 mm RS Joist.	1	Kg	49.10
1242	ELEC-6.5.16	Supply and installation of NIMBUS CPT-3/NLP 2200 / FOREND(ESE-EU) Advanced lighting protection with capturing head of 135 - 210mm diameter, 205 -580mm height and 4.60 - 4.940 kgs , and having Rod length 760mm, weight 1.795 kgs with stainless steel rod, working on the principle of (ESE) Early Streamer Emission technology, having a coverage radius of 79mts when mounted on 10 - 15 mts height of existing lattice tower giving level 1 protection and anticipation emission time of 60 micro seconds/72 micro seconds. The NIMBUS is manufactured according to standard NFC 17 102 and UNE 21186-96 including functional integrity etc Complete. Make : NIMBUS / FOREND or equivalent	1	No	128000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1243	ELEC-6.5.17	Installation and commissioning of NIMBUS / FOREND or equivalent advanced lighting protection systems which includes 1. Laying of CC Bed 2. Installation of Lighting Rod 3. Laying of Down conductor 4. Installation of Counter 5. Installation of Earth Electrodes 6. Interconnection between the Electrodes 7. Termination of down conductor to earth bus etc complete	1 No		31200.00
1244	ELEC-6.5.18	Supply of electro-Mechanical counter (Make: CIRPROTEC / INDALAC/INGESCO)	1	Pt	16000.00
1245	ELEC-6.5.19	Providing earth electrode of low carbon steel rod of 17mm dia coated with 250 microns thick copper 3mtr long with clamps and 2 bags of LORESCO ZEROLITE back fill compound etc complete (As per drawings enclosed)	1	Pt	9600.00
1246	ELEC-6.5.20	Supply of down conductor of 1x70sqmm single core PVC insulated unarmoured copper conductor cable of ISI mark (Make: Polycab / Havells / RPG / RR Kabel)	1	Mtr	410.00
	<b>7.1</b>	<b>NET WORKING</b>			
1247	ELEC-7.1.1	Supply of 2 Pair telephone copper wire of makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab.	100	Mtrs	1010.00
1248	ELEC-7.1.2	Supply of 5 Pair telephone Copper wire of makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab.	100	Mtrs	2800.00
1249	ELEC-7.1.3	Supply of RG 6 Co-axil cable of makes Finolex / Surabi / Million / Gold Medal / Polycab.	100	Mtrs	1700.00
1250	ELEC-7.1.4	Supply of LAN Cable cat - 6 (A) UTP cable of makes D Link / AMP / Molex.	100	Mtrs	2580.00
1251	ELEC-7.1.5	Supply of Cat 6 RJ-45 information outlets including duel face plate of makes Beldan / D Link / Legrand AMP / Krone.	1	No	340.00
1252	ELEC-7.1.6	Supply of 24 Port switches of D link / AMP / Krone / Legrand make	1	No	5200.00
1253	ELEC-7.1.7	Supply of 8 Port switches of D link / AMP / Krone / Legrand make	1	No	1125.00
1254	ELEC-7.1.8	Supply of 17U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	10125.00
1255	ELEC-7.1.9	Supply of 42U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	13500.00
1256	ELEC-7.1.10	Supply of 3200 access point of D link make or its equivalent.	1	No	12500.00
1257	ELEC-7.1.11	Supply of 7 feet length patch cord of makes D link / Beldan / Krone.	1	No	220.00
1258	ELEC-7.1.12	Supply of 3 feet length patch cord of makes D link / Beldan / Krone.	1	No	200.00
1259	ELEC-7.1.13	Supply of 24 port patch panels of makes D link / Beldan / Krone.	1	No	6500.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1260	ELEC-7.1.14	Supply of 100 pair MDF loaded with 2/10 Modular of Krone make or its equivalent.	1	No	3680.00
1261	ELEC-7.1.15	Supply of 100 Pair raiser cable for telephone makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab.	1	Mtrs	387.00
1262	ELEC-7.1.16	Supply of 10 Pair telephone Copper wire of makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab.	1	Mtr	40.00
1263	ELEC-7.1.17	Supply of 20 Pair telephone Copper wire of makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab.	1	Mtr	76.00
1264	ELEC-7.1.18	Supply of 50 Pair telephone Copper wire of makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab.	1	Mtr	195.00
1265	ELEC-7.1.19	Supply of 10 pair Telephone distribution box with back mount frame , krone connector , powder coated metal body with lock and key arrangement.	1	No	650.00
1266	ELEC-7.1.20	Supply of 20 pair Telephone distribution box with back mount frame , krone connector , powder coated metal body with lock and key arrangement.	1	No	990.00
1267	ELEC-7.1.21	Supply of 50 pair Telephone distribution box with back mount frame , krone connector , powder coated metal body with lock and key arrangement.	1	No	2070.00
1268	ELEC-7.1.22	Supply of 200 pair Telephone distribution box with back mount frame , krone connector , powder coated metal body with lock and key arrangement.	1	No	7900.00
1269	ELEC-7.1.23	Supply of 6U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	4700.00
1270	ELEC-7.1.24	Supply of 9U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	5580.00
1271	ELEC-7.1.25	Supply of 12U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	6484.00
1272	ELEC-7.1.26	Supply of 15U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	7348.00
	<b>8.1</b>	<b>MISSILLANEOUS ITEMS</b>			
1273	ELEC-8.1.1	Deleted			
1274	ELEC-8.1.2	Deleted			
1275	ELEC-8.1.3	Deleted			
1276	ELEC-8.1.4	Supply of single fancy bracket with glass shade best Indian make	1	No	195.00
1277	ELEC-8.1.5	Supply of double fancy bracket with glass shade best Indian make	1	No	350.00
1278	ELEC-8.1.6	Supply of 10" ceiling fittings with glass doom best Indian make	1	No	175.00
1279	ELEC-8.1.7	Supply of Bulk head fitting with cast aluminium enamel painted body with water tight, clear glass with wire guard hinged with lock and key arrangements etc., complete of makes Bajaj / Crompton / Surya.	1	No	360.00
1280	ELEC-8.1.8	TW Seperators / Gutties	100	Nos	150.00
1281	ELEC-8.1.9	Rawl Plugs	100	Nos	16.00
1282	ELEC-8.1.10	U Nails	100	Nos	40.00
1283	ELEC-8.1.11	Alluminium Link Clips	144	Nos	50.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1284	ELEC-8.1.12	50 mm G.I.Nut and Bolts.	1	Set	12.00
1285	ELEC-8.1.13	63 to 100 mm G.I.Nut and Bolts.	1	Set	22.00
1286	ELEC-8.1.14	50 mm 0 Gauge Nails	1	Doz	39.60
1287	ELEC-8.1.15	63 to 100 mm 0 Gauge Nails	1	Doz	66.00
1288	ELEC-8.1.16	Hard Coke	1	Kg	8.00
1289	ELEC-8.1.17	Salt	1	Kg	4.00
1290	ELEC-8.1.18	PVC Cleats 2 Way	100	Nos	300.00
1291	ELEC-8.1.19	PVC Cleats 4 Way	100	Nos	400.00
1292	ELEC-8.1.20	Binding Wire	1	No	55.00
1293	ELEC-8.1.21	PVC / Cotton Insulation tape Role ( 10 Mtrs)	1	No	15.00
1294	ELEC-8.1.22	C.I.Knob	1	No	12.00
1295	ELEC-8.1.23	Stay tight set (Jum bracket 300 mm)	1	Pair	275.00
1296	ELEC-8.1.24	Stay clamp with bolts and Nuts)	1	Set	176.00
1297	ELEC-8.1.25	L.T.Guy insulator	1	No	45.50
1298	ELEC-8.1.26	12 / 15 MS plain rod fan hook	1	No	20.00
1299	ELEC-8.1.27	19 / 20 mm Steel tube fan down rod	1	Rm	60.00
1300	ELEC-8.1.28	Consealed box PVC / MS with hook for fan	1	No	100.00
1301	ELEC-8.1.29	Coil Earthing	1	No	60.00
1302	ELEC-8.1.30	Cable root Indicators	1	No	75.00
1303	ELEC-8.1.31	40 mm x 40 mm x 6 mm angle iron with I bolt.	1	Set	220.00
1304	ELEC-8.1.32	Mild Steel Items	1	Kg	55.00
1305	ELEC-8.1.33	Deleted			
1306	ELEC-8.1.34	Acrylic Cover of size 4" x 7" for night lamps.	1	No	15.00
1307	ELEC-8.1.35	TW / PVC Round Blocks	1	No	6.00
1308	ELEC-8.1.36	G.I.Funnel with Mesh 1/2" x 4"	1	No	75.00
1309	ELEC-8.1.37	Asbestos Sheet	1	Sqft	20.00
1310	ELEC-8.1.38	First Aid box 18" x 12" x 8"	1	No	1000.00
1311	ELEC-8.1.39	11 KV/22 KV Hand gloves	1	No	140.00
1312	ELEC-8.1.40	Copper plate / Copper strip (Per K.G)	1	Kg	549.90
1313	ELEC-8.1.41	No. 8/10 SWG copper wire (per K.G)	1	Kg	549.90
1314	ELEC-8.1.42	PVC Insulated copper winding wire of fine quality (per K. G)	1	Kg	660.00
1315	ELEC-8.1.43	No. 14 SWG copper wire (per K. G)	1	Kg	549.90
1316	ELEC-8.1.44	Copper winding wire (per K. G)	1	Kg	637.00
1317	ELEC-8.1.45	G. I Strip / Plate / Wire (per K. G)	1	Kg	61.60
1318	ELEC-8.1.46	Alluminum Bus bars/Strips/accessories	1	Kg	212.80
1319	ELEC-8.1.47	Alluminum winding wire	1	Kg	292.50
1320	ELEC-8.1.48	6.2 Volt series bulb (25 Nos.)	25	Nos	83.00
1321	ELEC-8.1.49	6.2 Volt series bulb with navar plate(25 Nos.)	25	Nos	88.00
1322	ELEC-8.1.50	Supply of Rotating machine	1	No	15000.00
1323	ELEC-8.1.51	Supply and fixing of 6mm thick MS Chekered plate.	1	Kg	60.50
1324	ELEC-8.1.52	Supply and fixing of 6mm thick Alluminium Chekered plate.	1	Kg	242.00
1325	ELEC-8.1.53	Copper old winding Wire scrap for 1 Kg	1	Kg	100.00
1326	ELEC-8.1.54	Cement	1	Kg	5.60
1327	ELEC-8.1.55	Hylam Sheet	1	Sqin	0.60



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1328	ELEC-8.1.56	Earth work excavation including all soils for trench, Pole Pit and Earth Pit.	1	Cum	200.00
1329	ELEC-8.1.57	Cost of Sand	1	Cum	540.00
1330	ELEC-8.1.58	Cost of Bricks	1000	Nos	3410.00
1331	ELEC-8.1.59	25 MM G.I.PPIPE LIGHT GRADE	1	Mtr	207.00
1332	ELEC-8.1.60	25 MM G.I.PPIPE MEDIUM GRADE	1	Mtr	220.00
1333	ELEC-8.1.61	40 MM G.I.PPIPE LIGHT GRADE	1	Mtr	312.00
1334	ELEC-8.1.62	40 MM G.I.PPIPE MEDIUM GRADE	1	Mtr	332.00
1335	ELEC-8.1.63	Drilling of 16 Nos through holes of 12mm dia to G.I pipe	1	No	5.00
1336	ELEC-8.1.64	G.I Nuts, Bolts an Washers each set	1	Set	10.00
1337	ELEC-8.1.65	18" dia 2" thick hume pipe ring	1	No	200.00
1338	ELEC-8.1.66	18" dia 3" hume pipe ring	1	No	250.00
1339	ELEC-8.1.67	2" thick CC cover for hume pipe ring with handle.	1	No	110.00
1340	ELEC-8.1.68	Supply of Saddle / Clamps suitable for fixing 2 Core 4 to 10 Sqmm Cable.	100	Nos	225.50
1341	ELEC-8.1.69	Supply of Saddle / Clamps suitable for fixing 4 Core 4 & 6 Sqmm Cable.	100	Nos	225.50
1342	ELEC-8.1.70	Supply of Saddle / Clamps suitable for fixing 4 Core 10 & 16 Sqmm Cable.	100	Nos	284.90
1343	ELEC-8.1.71	Supply of Saddle / Clamps suitable for fixing 3.5 Core 25 & 35 Sqmm Cable.	100	Nos	346.50
1344	ELEC-8.1.72	Supply of Saddle / Clamps suitable for fixing 3.5 Core 50 Sqmm Cable.	100	Nos	495.00
1345	ELEC-8.1.73	Supply of Saddle / Clamps suitable for fixing 3.5 Core 70 & 95 Sqmm Cable.	100	Nos	550.00
1346	ELEC-8.1.74	Supply of Saddle / Clamps suitable for fixing 3.5 Core 120 to 185 Sqmm Cable.	100	Nos	660.00
1347	ELEC-8.1.75	Supply of Saddle / Clamps suitable for fixing 3.5 Core 240 & 300 Sqmm Cable.	100	Nos	825.00
1348	ELEC-8.1.76	Supply of Saddle / Clamps suitable for fixing 3.5 Core 400 Sqmm Cable.	100	Nos	1100.00
		<b>LABOUR RATES</b>			
1349	ELEC-8.1.77	Skilled Electrician	1	No	297.00
1350	ELEC-8.1.78	Semi Skilled Electrician / Lineman	1	No	260.00
1351	ELEC-8.1.79	Skilled Mason	1	No	297.00
1352	ELEC-8.1.80	Semi Skilled Mason	1	No	260.00
1353	ELEC-8.1.81	Skilled Welder	1	No	284.00
1354	ELEC-8.1.82	Semi Skilled Welder	1	No	260.00
1355	ELEC-8.1.83	Skilled Fitter	1	No	284.00
1356	ELEC-8.1.84	Semi Skilled Fitter	1	No	260.00
1357	ELEC-8.1.85	Helper (Electrical)	1	No	260.00
1358	ELEC-8.1.86	Skilled Carpenter	1	No	284.00
1359	ELEC-8.1.87	Semi Skilled Carpenter	1	No	260.00
1360	ELEC-8.1.88	Man Mazdoor	1	No	260.00
1361	ELEC-8.1.89	DG Set operator/Air Compressor	1	No	284.00
1362	ELEC-8.1.90	2nd ClassDG Set operator/Air Com	1	No	260.00
1363	ELEC-8.1.91	Plumber (Licensed)/Pipe Fitter	1	No	284.00
1364	ELEC-8.1.92	Painter Class -2	1	No	260.00



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1365	ELEC-8.1.93	Diploma Engineer / Surveyor	1	No	400.00
1366	ELEC-8.1.94	Graduate Engineer	1	No	500.00
1367	ELEC-8.1.95	ITI Certificate holder	1	No	325.00
1368	ELEC-8.1.96	Stenographer / Computer Operator	1	No	365.00
	<b>9.1</b>	<b>WIRELESS FIRE ALARAM SYSTEM</b>			
1369	ELEC-9.1.1	Supply and fixing of wireless smoke detection control panel of 28 wireless zones, 2 Hard wired Zones, Tamper Alert, Pass code protected, RF jamming recognition, diagnostic feature for RF signal strength between panel and each detector, vent reporting using PSTN telephone line, dialing upto 4 telephone numbers, event reporting as per users choice, LCD screen display, two way voice interaction, battery backup stand by time up to 12 hrs. (Cease Fire / Visonic / Honeywell / Secutron) Including transportation, all taxes and all labour charges etc complete.	1	No	44,390.00
1370	ELEC-9.1.2	Supply and fixing of Wireless Repeater.The wireless repeater extends the communication range of detection by relaying data between receiver and remote wireless transmitter. (Cease Fire / Visonic / Honeywell / Secutron) Including transportation, all taxes and all labour charges etc complete.	1	No	10,485.00
1371	ELEC-9.1.3	Supply and fixing of Wireless Siren Strobe external wireless siren - a fully supervised power code outdoor (IP55) wireless Siren and strobe light. Designed for external installation. Wire - Free connection between control panel and siren. Convenient rapid no- mess installation. Separate fire alarm signals, 98db Piezo siren and high power strobe light. Weather resistant, IP55, 2-way communication for local and remote diagnostics. Plug-in power supply, NIMH rechargeable back-up power battery, transmits status, tamper, low- battery, supervisory and AC loss messages to the control panel, Tri- State tamper switch identifies screw manipulation removal of cover or playing from the wall.(Cease Fire / Visonic / Honeywell / Secutron) Including transportation, all taxes and all labour charges etc complete.	1	No	14,680.00
1372	ELEC-9.1.4	Supply and fixing of wireless Fully Supervised Smoke Detector, Photoelectric detection technology for superior detection sensitivity , sound and transmitted for smoke, tamper and low battery, works on power code protocol, easy programming and enrolling to the control panel, long life 9 volt alkaline or lithium battery. (Cease Fire / Visonic / Honeywell / Secutron) Including transportation, all taxes and all labour charges etc complete.	1	No	7,340.00
	<b>9.2</b>	<b>ADDRESSABLE - FIRE ALARM SYSTEM</b>			

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1373	ELEC-9.2.1	Supply, Installation, testing and commissioning of wall <b>mounting 10 loop micro processor</b> based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 10 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Siemens/Morley/Honeywell-ESSER-Notifier / Ceasefire / Bosh / APPOLO).	1	No	7,25,000.00
1374	ELEC-9.2.2	Supply, Installation, testing and commissioning of wall <b>mounting 8 loop micro processor</b> based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 8 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Siemens/Morley/Honeywell-ESSER-Notifier / Ceasefire / Bosh / APPOLO).	1	No	5,25,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1375	ELEC-9.2.3	Supply, Installation, testing and commissioning of wall <b>mounting 6 loop micro processor</b> based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 6 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Siemens/Morley/Honeywell-ESSER-Notifier / Ceasefire / Bosh / APPOLO).	1	No	4,85,000.00
1376	ELEC-9.2.4	Supply, Installation, testing and commissioning of wall <b>mounting 4 loop micro processor</b> based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 4 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Siemens / Morley / Honeywell - ESSER-Notifier / Ceasefire / Bosh / APPOLO).	1	No	3,25,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1377	ELEC-9.2.5	Supply, Installation, testing and commissioning of wall <b>mounting 2 loop micro processor</b> based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 2 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Siemens / Morley / Honeywell - ESSER - Notifier / Ceasefire / Bosh / APPOLO).	1	No	2,75,000.00
1378	ELEC-9.2.6	Supply, Installation, testing and commissioning of wall <b>mounting 1 loop micro processor</b> based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 1 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Siemens / Morley / Honeywell - ESSER - Notifier / Ceasefire / Bosh / APPOLO).	1	No	2,50,000.00
1379	ELEC-9.2.7	Supply, Installation, testing and commissioning of Repeater panel including the cost of mounting accessories complete as per specification as required.(Makes: Siemens / Morley / Honeywell - ESSER - Notifier / Ceasefire / Bosh / APPOLO).	1	No	1,25,000.00
1380	ELEC-9.2.8	Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required including testing and commissioning.	1	No	6,750.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1381	ELEC-9.2.9	Supply and instllation of addressable analog photo electric smoke detector including cost of base plate etc., complete as per specification with required fittings and accessories..(Makes: Siemens / Morley / Honeywell - ESSER - Notifier / Ceasefire / Bosh / APPOLO).	1	No	6,700.00
1382	ELEC-9.2.10	Supply of plug - in type in rate of rise cum fixed temparature addressable analogue heat detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required..(Makes: Siemens / Morley / Honeywell - ESSER - Notifier / Ceasefire / Bosh / APPOLO).	1	No	5,325.00
1383	ELEC-9.2.11	Supply of plug - in type addressable analogue multi criterion detectors below false ceiling/on ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required..(Makes: Siemens / Morley / Honeywell - ESSER - Notifier / Ceasefire / Bosh / APPOLO).	1	No	6,500.00
1384	ELEC-9.2.12	Supply of Control Modules including the cost of mounting accessories complete as per specifications and as required..(Makes: Siemens / Morley / Honeywell - ESSER - Notifier / Ceasefire / Bosh / APPOLO).	1	No	5,500.00
1385	ELEC-9.2.13	Supply of monitor modules including the cost of mounting accessories complete as per specifications and as required..(Makes: Siemens / Morley / Honeywell - ESSER - Notifier / Ceasefire / Bosh / APPOLO).	1	No	5,500.00
1386	ELEC-9.2.14	Supply of fault isolator modules including the cost of mounting accessories complete as per specifications and complete as required..(Makes: Siemens / Morley / Honeywell - ESSER - Notifier / Ceasefire / Bosh / APPOLO).	1	No	4,500.00
	<b>9.3</b>	<b>CONVENTIONAL - FIRE ALARM SYSTEM</b>			
1387	ELEC-9.3.1	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 2 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor / Ravel.)	1	No	7,500.00
1388	ELEC-9.3.2	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 4 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor / Ravel.)	1	No	9000.00
1389	ELEC-9.3.3	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 6 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor / Ravel.)	1	No	12500.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1390	ELEC-9.3.4	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 8 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor / Ravel.)	1	No	14500.00
1391	ELEC-9.3.5	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 10 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor / Ravel.)	1	No	18500.00
1392	ELEC-9.3.6	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 12 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor / Ravel.)	1	No	20500.00
1393	ELEC-9.3.7	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 14 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor / Ravel.)	1	No	25000.00
1394	ELEC-9.3.8	Supply of Repeater panel including the cost of mounting accessories complete as per specifications and as required.(Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor / Ravel.)	1	No	12500.00
1395	ELEC-9.3.9	Supply of addressable wall / ceiling mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required.	1	No	675.00
1396	ELEC-9.3.10	Supply of dust and vermin proof addressable analogue manual call boxes to initiate audio visual alarm including the cost of mounting accessories complete as per specifications and as required.	1	No	650.00
1397	ELEC-9.3.11	Supply of plug - in type multi criterion detectors below false ceiling / on ceiling including the cost of base plate. 75mm dia M.S. outlet box for fixing of the detector base. Mounting accessories etc., complete as per specifications as required.(Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor.)	1	No	1800.00
1398	ELEC-9.3.12	Supply of plug -in type photoelectric smoke detectors above false ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base. Mounting accessories etc complete and as per specifications and as required.(Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor.)	1	No	1750.00
1399	ELEC-9.3.13	Supply of plug -in type rate of rise cum fixed temperature heat detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required.(Makes: Honeywell-ESSER-Notifier / APPOLO / Morley / System Censor.)	1	No	1700.00
	<b>9.4</b>	<b>FIRE EXTINGUISHERS</b>			

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1400	ELEC-9.4.1	Supply and fixing of ABC stored pressure squeeze grip type fire extinguishers, <b>10 kg capacity</b> , ISI CE marked Is:13849 filled with ABC Mono Ammonium Phosphate base powder-90 pressurized with dry Nitrogen Gas at 15 Kg / sqcm complete with discharge hose and wall mounting bracket, Insta Alert facility, 2mm Mild Steel, EPDM Rubbers, Pressure Guage, which work effectively on all class of fires (A, B, C & Electrical fires) with 5 years warranty <b>(Cease Fire / Maxon / LPG make)</b> Including transportation, all taxes and all labour charges etc complete.	1	No	9,483.00
1401	ELEC-9.4.2	Supply and fixing of ABC stored pressure squeeze grip type fire extinguishers, <b>10 kg capacity</b> , ISI CE marked Is:13849 filled with ABC Mono Ammonium Phosphate base powder-50 pressurized with dry Nitrogen Gas at 15 Kg / sqcm complete with discharge hose and wall mounting bracket, 2mm Mild Steel, EPDM Rubbers, Pressure Guage, which work effectively on all class of fires (A, B, C & Electrical fires) with 2 years warranty <b>(Minimax / Safex / Reliance make)</b> Including transportation, all taxes and all labour charges etc complete.	1	No	6,730.00
1402	ELEC-9.4.3	Supply and fixing of ISI make ABC Power <b>MAP 5 Kg Fire extinguisher</b> Mono ammonium phosphate power 90, stored pressure type, pressure gauge gross wt. 8 kg, empty wt.3 kg, can Ht.449mm, Diameter 150mm, Discharge time less than 15 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fires, A- rating 144A, B-rating 89B, can construction: Deep drawn Co2 mig welding, wall construction: Forging & Machining, internal coating of can: Epoxy power coating, External coating of Can:Epoxy polyster powder coating, sheet metal thickness:1.80mm, Helium leakage detection tested, insta - alert, ISI & EN approved with 5 years warranty <b>(Cease Fire / Maxon / LPG make)</b> Including transportation, all taxes and all labour charges etc complete.	1	No	6,485.00
1403	ELEC-9.4.4	Supply and fixing of ISI make ABC Power <b>MAP 5 Kg Fire extinguisher</b> Mono ammonium phosphate power 90, stored pressure type, pressure gauge gross wt. 8 kg, empty wt.3 kg, can Ht.449mm, Diameter 150mm, Discharge time less than 15 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fires, A- rating 144A, B-rating 89B, can construction: Deep drawn Co2 mig welding, wall construction: Forging & Machining, internal coating of can: Epoxy power coating, External coating of Can:Epoxy polyster powder coating, sheet metal thickness:1.80mm, Helium leakage detection tested, ISI	1	No	4,190.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		& EN approved with 2 years warranty ( <b>Minimax / Safex / Reliance make</b> ) Including transportation, all taxes and all labour charges etc complete.			
1404	ELEC-9.4.5	Supply and fixing of ISI make ABC Power <b>MAP 2 Kg Fire extinguisher</b> Mono ammonium phosphate power 90, stored pressure type, pressure gauge gross wt. 8 kg, empty wt.3 kg, can Ht.449mm, Diameter 150mm, Discharge time less than 15 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C electrically started fires, A- rating 144A, B-rating 89B, can construction: Deep drawn Co2 mig welding, wall construction: Forging & Machining, internal coating of can: Epoxy power coating, External coating of Can:Epoxy polyster powder coating, sheet metal thickness:1.80mm, Helium leakage detection tested, insta - alert, ISI & EN approved with 5 years warranty ( <b>Cease Fire / Maxon / LPG make</b> ) Including transportation, all taxes and all labour charges etc complete.	1	No	4,360.00
1405	ELEC-9.4.6	Supply and fixing of ISI make ABC Power <b>MAP 2 Kg Fire extinguisher</b> Mono ammonium phosphate power 50, stored pressure type, pressure gauge gross wt. 8 kg, empty wt.3 kg, can Ht.449mm, Diameter 150mm, Discharge time less than 15 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C electrically started fires, A- rating 144A, B-rating 89B, can construction: Deep drawn Co2 mig welding, wall construction: Forging & Machining, internal coating of can: Epoxy power coating, External coating of Can:Epoxy polyster powder coating, sheet metal thickness:1.80mm, Helium leakage detection tested, ISI & EN approved with 2 years warranty ( <b>Minimax / Safex / Reliance make</b> ) Including transportation, all taxes and all labour charges etc complete.	1	No	2,834.00
1406	ELEC-9.4.7	Supply and fixing of ISI make Ceiling Mounted <b>ABC MAP 90, 5 Kg stored pressure type</b> , pressure gauge, Gross Wt.7.7 kg, Empty Wt.2.7 kg, Can Ht.226mm , Dia 230mm, Discharge time : less than 8 sec, Auto discharge mechanism on temperature rise, Applicable on A,B,C, & Electrically - started fires, Can Construction: Forging & Machining, Internal coating of Can: Epoxy Power coating, External Coating of Can: Epoxy Polyster powder coating, sheet metal thickness:1.80mm , Helium leakage detection tested, Insta - alert, ISI & EN approved with 5 years warranty ( <b>Cease Fire / Maxon / LPG make</b> ) Including transportation, all taxes and all labour charges etc complete.	1	No	6,973.00



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1407	ELEC-9.4.8	Supply and fixing of ISI make Ceiling Mounted <b>ABC MAP 50, 5 Kg stored pressure type</b> , pressure gauge, Gross Wt.7.7 kg, Empty Wt.2.7 kg, Can Ht226mm , Dia 230mm, Discharge time : less than 8 sec, Auto discharge mechanism on temperature rise, Applicable on A,B,C, & Electrically - started fires, Can Construction: Forging & Machining, Internal coating of Can: Epoxy Power coating, External Coating of Can: Epoxy Polyester powder coating, sheet metal thickness:1.80mm , Helium leakage detection tested, ISI & EN approved with 2 years warranty( <b>Minimax / Safex / Reliance make</b> ) Including transportation, all taxes and all labour charges etc complete.	1	No	5,620.00
1408	ELEC-9.4.9	Supply and fixing of 2 Kg Fire extinguisher Clean Agent HFC 236, Zero ODP, Stored pressure type, pressure guage, gross weight 3.6Kg empty weight 1.6 Kg, can weight 341mm, Diameter 108mm, discharge time minimum 6 secs, controllable discharge mechanism, range minimum 2 meters, applicable on class A,B,C and electrically started Fire, A rating 5A, B rating 34B, can construction: Deep drawn & CO2 mig welded, Valve construction: Forging & Machining, Internal coating of Can: Epoxy powder coating, External coating of can: Epoxy polyester powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty.(Makes: Ceasefire / Maxon / LPG)	1	No	14600.00
1409	ELEC-9.4.10	Supply and fixing of 4 Kg Fire extinguisher Clean Agent HFC 236, Zero ODP, Stored pressure type, pressure guage, gross weight 6.9Kg empty weight 2.9 Kg, can weight 435mm, Diameter 140mm, discharge time minimum 9 secs, controllable discharge mechanism, range minimum 4 meters, applicable on class A,B,C and electrically started Fire, A rating 8A, B rating 55B, can construction: Deep drawn & CO2 mig welded, Valve construction: Forging & Machining, Internal coating of Can: Epoxy powder coating, External coating of can: Epoxy polyester powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty.	1	No	25700.00
1410	ELEC-9.4.11	Supply and fixing of Co2 type Fire Extinguishers <b>4.5 Kg capacity</b> confirming to IS 2878 made from ISI marked steam less cylinder confirming to IS:7285 & CE certified and fitted with ISI marked controlled valve confirming to IS:3224, high pressure 1 Mtr discharge hose & horn complete with initial gas charged with carrying handle with wheels and wall mounting bracket. Squeeze lever discharge, used un-used indicator, Aphoxy coated paint (Red) with 93% gloss with 2 years warranty ( <b>Cease Fire / Maxon / LPG make</b> ) Including transportation, all taxes and all labour charges etc complete.	1	No	10,485.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1411	ELEC-9.4.12	Supply and fixing of Co2 type Fire Extinguishers <b>4.5 Kg capacity</b> confirming to IS 2878 made from ISI marked steam less cylinder confirming to IS:7285 & CE certified and fitted with ISI marked controlled valve confirming to IS:3224, high pressure 1 Mtr discharge hose & horn complete with initial gas charged with carrying handle with wheels and wall mounting bracket. Squeeze lever discharge, used un-used indicator, Aphoxy coated paint (Red) with 93% gloss with 2 years warranty ( <b>Minimax / Safex / Reliance make</b> ) Including transportation, all taxes and all labour charges etc complete.	1	No	7,860.00
1412	ELEC-9.4.13	Supply and fixing of DCP powder type cylindrical shape fire extinguisher 2 Kg with fixing hangers, hose, brackets, screws to required size etc., complete as per IS:13849 - wall mounted type.(Makes:Minimax/Safex/Reliance/Kenex)	1	No	2100.00
1413	ELEC-9.4.14	Supply and fixing of DCP powder type cylindrical shape fire extinguisher 5 Kg with fixing hangers, hose, brackets, screws to required size etc., complete as per IS:13849 - wall mounted type.(Makes:Minimax/Safex/Reliance/Kenex)	1	No	3100.00
1414	ELEC-9.4.15	Supply and fixing of DCP powder type cylindrical shape fire extinguisher 10 Kg with fixing hangers, hose, brackets, screws to required size etc., complete as per IS:13849 - wall mounted type.(Makes:Minimax/Safex/Reliance/Kenex)	1	No	4100.00
1415	ELEC-9.4.16	Supply and fixing of Escape signage boards in Rigid Photo luminescent based glow in Dark rigid sheet with high intensity luminous properties with specificaiton oif Cease Fire or its equivalent make Model-1ES01	1	No	1300.00
1416	ELEC-9.4.17	Supply and fixing of Cease fire or its equivalent Escape gear Mild Steel box size 425mmx360mmx140mm Epoxy powder coated to protect it from Weathering , smoke hood tested to Eupropean Standard EN 403 1993-S known to reduce Carbon Monoxide, propend(acrloein), hydrogen chloride, hydrogen Cyanide and Solid and liquid toxic particles to manageable level for atleast 15 minutes shall with stand tempeartures upto 80 degrees single use only Fire Blanket size 1.2m x1.8m used to cover any vessel containing used to Extinguish a clothing fire wrap blanket around the victim.	1	No	15800.00
1417	ELEC-9.4.18	Supply and fixing of 4Nos of 9 Ltrs capacity round bottom sand buckets along with bucket sand, Fire buckets with round bottom type enamel painted, white inside & red out side and letter FIRE inblack out side & Handle with mounting bracket.	1	Set	1200.00
1418	ELEC-9.4.19	Supply anmd fixing of Fire bucket stand fabricated by M.S. angles to install for two numbers of buckets as per local fire officers standards.	1	Set	1000.00
	<b>9.5</b>	<b>FIRE HYDRANT AND SPRINKLER SYSTEM</b>			

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1419	ELEC-9.5.1	Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	160300.00
		a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow <b>of 1620 lpm at 35 Mtr. head</b> conforming to IS 1520			
		b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar			
1420	ELEC-9.5.2	Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	192360.00
		a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow <b>of 2280 lpm at 45 Mtr. head</b> conforming to IS 1520			
		b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar			
1421	ELEC-9.5.3	Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required.	1	Set	240450.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow <b>of 2850 lpm at 60 Mtr. head</b> conforming to IS 1520			
		b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar			
<b>1422</b>	ELEC-9.5.4	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	395000.00
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow <b>of 1620 lpm at 35 Mtr head</b> conforming to IS 1520			
		b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick aluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt			
<b>1423</b>	ELEC-9.5.5	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	474000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow <b>of 2280 lpm at 45 Mtr head</b> conforming to IS 1520			
		b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick aluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt			
<b>1424</b>	ELEC-9.5.6	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	553000.00
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow <b>of 2850 lpm at 60 Mtr head</b> conforming to IS 1520			
		b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick aluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt			

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1425	ELEC-9.5.7	Supplying , installation , testing and commissioning of electric driven pressurisation / Jockey pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	55000.00
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of <b>180 lpm at 56 Mtr head</b> conforming to IS 1520			
		b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads.Makes of Pumps : Kirloskar / Mather&Platt.Makes of Motors : Siemens/ ABB/ Kirloskar			
1426	ELEC-9.5.8	Supplying , installation , testing and commissioning of electric driven pressurisation / Jockey pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	77860.00
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of <b>180 lpm at 70 Mtr head</b> conforming to IS 1520			
		b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar			
1427	ELEC-9.5.9	Supplying , installation , testing and commissioning of electric driven Terrace / Booster pump suitable for automatic operation and consisting of following : complete in all respect as required.	1	Set	43510.00
		a) Horizontal type, multistage, centrifugal split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of <b>900 lpm at 35 Mtr head</b> conforming to IS 1520			

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
		b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens / ABB / Kirloskar			
<b>1428</b>		Providing , laying, testing & Commissioning of following classes MS pipes conforming to IS 3589 and 1239 including fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc., complete. Makes: - Jindal / Hissar / Tata pipes			
	<b>ELEC-9.5.10</b>	(a) 200 mm dia 'C' Class	1	Mtr	3210.00
	<b>ELEC-9.5.11</b>	(b) 200 mm dia 'B' Class	1	Mtr	2800.00
	<b>ELEC-9.5.12</b>	(c) 150 mm dia 'C' Class	1	Mtr	2400.00
	<b>ELEC-9.5.13</b>	(d) 150 mm dia 'B' Class	1	Mtr	1930.00
	<b>ELEC-9.5.14</b>	(e) 100 mm dia 'C' Class	1	Mtr	1515.00
	<b>ELEC-9.5.15</b>	(f) 100 mm dia 'B' Class	1	Mtr	1275.00
	<b>ELEC-9.5.16</b>	(g) 80 mm dia 'C' Class	1	Mtr	1000.00
	<b>ELEC-9.5.17</b>	(h) 80 mm dia 'B' Class	1	Mtr	895.00
	<b>ELEC-9.5.18</b>	(i) 65 mm dia 'C' Class	1	Mtr	750.00
	<b>ELEC-9.5.19</b>	(j) 65 mm dia 'B' Class	1	Mtr	675.00
	<b>ELEC-9.5.20</b>	(k) 50 mm dia 'C' Class	1	Mtr	600.00
	<b>ELEC-9.5.21</b>	(l) 50 mm dia 'B' Class	1	Mtr	530.00
	<b>ELEC-9.5.22</b>	(m) 32 mm dia 'C' Class	1	Mtr	400.00
	<b>ELEC-9.5.23</b>	(n) 32 mm dia 'B' Class	1	Mtr	330.00
	<b>ELEC-9.5.24</b>	(o) 25 mm dia 'C' Class	1	Mtr	300.00
	<b>ELEC-9.5.25</b>	(p) 25 mm dia 'B' Class	1	Mtr	270.00
<b>1429</b>	<b>ELEC-9.5.26</b>	Supplying and fixing single headed Internal / External hydrant valve with instantaneous Gun metal couplings of 63mm dia with Cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gun Metal cap and chain as required.Makes:Audco / Kirloskar / BDK /H Shankar/ Leader/ Zolotto / Intervale.	1	No	8125.00
<b>1430</b>		Supplying, fixing, testing and commissioning of butterfly valve PN 1.6, with Bronze / Gun metal seat duly ISI marked complete with Nuts, Bolts, Washers, gaskets, conforming to IS 13095 of following sizes as required. Makes:Audco / Kirloskar / BDK /H Shankar/ Leader/ Zolotto / Intervale.			
	<b>ELEC-9.5.27</b>	(a) 200 mm . dia	1	No	5300.00
	<b>ELEC-9.5.28</b>	(b) 150 mm dia	1	No	4350.00
	<b>ELEC-9.5.29</b>	(c) 100 mm dia	1	No	2700.00
	<b>ELEC-9.5.30</b>	(d) 80 mm dia	1	No	2400.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
<b>1431</b>		Providing, installation, testing and commissioning of dual plate non - return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts , nuts, washers etc as required Makes:Audco / Kirloskar / BDK / H Shankar / Leader / Zolotto / Intervolve.			
	<b>ELEC-9.5.31</b>	(a) 200 mm dia	1	No	5000.00
	<b>ELEC-9.5.32</b>	(b) 150 mm dia	1	No	4000.00
	<b>ELEC-9.5.33</b>	(c) 100 mm dia	1	No	3725.00
	<b>ELEC-9.5.34</b>	(d) 80 mm dia	1	No	3500.00
<b>1432</b>		Providing, installation, testing and commissioning of gun metal ball / Gate valves of following sizes as required. Make: Newage/ Winco/ Padmini			
	<b>ELEC-9.5.35</b>	(a) 50 mm dia	1	No	1750.00
	<b>ELEC-9.5.36</b>	(b) 40 mm dia	1	No	1400.00
	<b>ELEC-9.5.37</b>	(c) 32 mm dia	1	No	1250.00
<b>1433</b>	<b>ELEC-9.5.38</b>	Supplying and fixing 63mm dia, 15 mtr long RRL hose pipe with 63mm dia Male and Female Gun metal couplings duly binded with GI wire, rivets etc conforming to IS 636 (Type -A) as required. Make: Newage/ Winco/ Padmini	1	No	2500.00
<b>1434</b>	<b>ELEC-9.5.39</b>	Supplying and fixing First -Aid Hose Reel with MS construction spray painted in Post office Red, Conforming to Is 884 with upto date amendments, complete with the following as required.	1	No	7500.00
		a) 40 Mtr Long 20mm (Nominal internal) dia water hose Thermoplastic / Textile reinforced / Rubber braided / Polypropylene Type - 2 as per IS:12585 Make: Eversafe/ Reliance/ Newage/ SRI			
		b) 20mm (Nominal internal) dia gun metal globe valve and nozzle. Make: Newage/ Winco/ Padmini			
		c) Drum and brackets for fixing the equipments on wall.			
		d) Connections from riser with 40mm dia stop valve (gun metal) & MS pipe.			
<b>1435</b>	<b>ELEC-9.5.40</b>	Supplying and fixing of hose cabinet of size 900mm X 600mm x 500mm made of No 16 gauge SWG CRCA sheet with 6mm thick glazed glass door including necessary locking arrangement suitable to accommodate external hydrant with butterfly valve, 2 Nos 15 mtr long Hose pipe, 1 No branch pipe, mounted on wall OR raised brick platform and duly painted with Post office red externally and white internally with synthetic enamel paint complete in all respect, for external hydrant as required.	1	No	8256.00



Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1436	ELEC-9.5.41	Supply and fixing 63mm dia Gun metal branch pipe with 20mm (Nominal internal diameter) size Gun metal nozzle conforming to IS 903, suitable for instantaneous connection to interconnect hose pipe coupling as required.Make: Newage/ Winco/ Padmini	1	No	2300.00
1437	ELEC-9.5.42	Supply and fixing 4 way fire brigade connection of cast iron body with 4 Nos Gun metal Male instantaneous inlet couplings complete with cap and chain as required for 150mm dia MS pipe connection, conforming to IS 904 as required.	1	No	9100.00
1438	ELEC-9.5.43	Supply and fixing 3 way fire brigade connection of cast iron body with 3 Nos Gun metal Male instantaneous inlet couplings complete with cap and chain as required for 150mm dia MS pipe connection, conforming to IS 904 as required.	1	No	7550.00
1439	ELEC-9.5.44	Supply and fixing air vessel made of 250 mm dia, 8 mm thick MS sheet, 1200mm in height with air release valve on top and flanged connection to riser, drain arrangement with 25mm dia Gun metal wheel valve, with required accessories, pressure gauge and painting with synthetic enamel paint of approved shade as required.	1	No	16000.00
1440	ELEC-9.5.45	Providing fixing, testing and commissioning of 15mm size quartzoid bulb type sprinklers of rating 68° C. pendent / side wall with required accessories. Makes: RB / TBS / Zolotto / Leader / Hobonium	1	No	490.00
1441	ELEC-9.5.46	Providing and fixing Pressure Switch in the MS pipe Line including connection etc as required.	1	No	2500.00
1442	ELEC-9.5.47	Providing and fixing Flow Switches in 100mm dia MS pipe.	1	No	5375.00
1443	ELEC-9.5.48	Providing and fixing Flow Switches in 150 mm dia MS pipe.	1	No	7500.00
1444	ELEC-9.5.49	Providing, fixing, testing, commissioning of installation control valve of Cast iron body and brass / Bronze working parts comprising of water, motor alarm, bronze seat clapper, and clapper arm, hydraulically driven mechanical gong bell to sound continuous alarm when the Wet riser / Sprinkler system activates, pressure gauges, emergency releases, strainer, pressure switch, cock valve complete with drain valve and bypass , test control box, ball valves, Ms pipe of required size, flanges, orifice plate, gasket etc of size 150mm dia as required.	1	No	9500.00
1445	ELEC-9.5.50	Supplying, installing, testing and commissioning approved make CI body Foot Valve with brass strainer with necessary flanges, nuts and bolts etc., complete on to the suction line.Rate as per the lowest quotation of Bharat Fire Safety Engineers. Makes:Normex & approved makes			
		a) 150mm nominal dia		Ea	12000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
			1		
1446	ELEC-9.5.51	Supplying and wrapping the anticorrosive material for buried pipes with coating of Primer and wrapping with 4 mm thick polymer corrosion resistant tape as per IS : 10221 with 15 mm overlap as per specifications.			
		a) 150mm nominal dia	1	Mts	45.00
1447	ELEC-9.5.52	Supply, fabricating , installing structural steel supports for fixing all sizes of MS pipes from ceiling / wall with MS Channels, Angles, Flats, Rods, as required at site with anchor fasteners, Clamps, threaded rods, nuts, bolts, washers etc complete with painting.	1	Kg	60.00
1448		Supplying and laying of XLPE / PVC insulated standard copper conductor 1.1KV grade 3 Core armoured cable of following sizes on existing cable tray suitably clamped with termination with copper lugs at both ends as required.			
	ELEC-9.5.53	a) 95 Sqmm Cable	1	Mtr	3150.00
	ELEC-9.5.54	b) 70 Sqmm Cable	1	Mtr	2289.00
	ELEC-9.5.55	c) 16 Sqmm Cable	1	Mtr	553.00
	ELEC-9.5.56	d) 10 Sqmm Cable	1	Mtr	419.00
	ELEC-9.5.57	e) 6 Sqmm Cable	1	Mtr	266.00
1449		Supplying and laying control wiring with multicore copper standard conductor of 2.5 Sqmm with the following cores PVC insulated, PVC sheathed armoured under ground cable between various sensors and system controller/Starter etc., in pump house & out side on surface/existing cable tray complete with connections at both end with glands etc as required.			
	ELEC-9.5.58	a) 8 Core	1	Mtr	308.00
	ELEC-9.5.59	b) 6 Core	1	Mtr	245.00
	ELEC-9.5.60	c) 4 Core	1	Mtr	180.00
	ELEC-9.5.61	d) 2 Core	1	Mtr	114.00
1450	ELEC-9.5.62	Supply of 2 Core x 1.5Sqmm FRLS armoured copper cable including all taxes etc., complete of Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art Makes.	1	Mtr	85.80
	10.1	GENERATORS SPECIFICATION			

Sl. No.	Item Code	Description of Item	Unit	SS Rate For 2011-12
1	2	3	4	5
		Supply, Transportation, erection and commissioning of 3 Phase, 415, 50Hz, water cooled multi cylinder diesel generator set with alternator of - - - KVA/ - - - - KW out put contineous rating directly coupled Engine and Alternator with guard and mounted on a common base plate of Robust construction and complete with control panel having IP-52 protection, Acoustic Enclosure made of 18 SWG CRCA sheet, sound absorbing material, rock wool, perforated sheet to restrict sound level up to 75 dB and as per PCB norms etc as per following specifications mentioned below.		
		<b>A. Alternator :</b> Kirloskar / Stamford / Crompton Greaves make. The alternator of the output rating shall be 3 Phase, 415V, 50Hz, Ac , 0.8 P.F. lagging at 1500 RPM. The alternator is self excited, self regulated, and shall confirm to IS: 13364 of 1992 with regulation of +5% from no load to full load. degree of protections shall be IP21.		
		<b>B.Diesel Engine :</b> Kirloskar / Cummins / Ashok ley land / Mahindra Diesel Engine start, developing suitable ----- BHP output at 1500 RPM with class A2 Governing so as to enable the alternator to give - - - -KVA continuous output at 0.8 P.F. lagging at NTP conditions. The diesel engine shall be capable of providing 10% O/L for 1 Hr for every 11 Hrs of continuous running at full load. The engine with 1st filling of oil and Diesel etc. 01. Exhaust pipe of required size and length with insulation or clading. 02. Diesel tank suitable for 12 hrs running capacity. 03. Residential Silencer. 04. Battery with leads of 12V ----- AH 2Nos Batteries of Exide / Amar Raja make.		
		<b>C. AMF Control Panel:-</b> AMF control panel shall be fabricated with 16SWG CRCA sheet shall be totally enclosed with dust and Vermin proof, floor mounted / wall mounted type and shall be comprising the following.01. Voltmeter with selector switch.02. ----- Pole MCCB incomer of -----A rating of Legrand make. 03. Ammeter with selector switch with CTs. 04. PF Meter and frequency Meter. 05. Indicator lamps (set Run, Load ON) with fuses. 06. KWH Meter of required rating. 07. Set of control fuses and current transformer. 08. Input Terminal board and output Terminal Board. 09. Battery charger with transformer rectifier unit. 10. Alternator supply air break contactor of L&T make.11. Main supply air break contactor of L&T make. 12. Audio Visual annunciation for low lube oil pressure. 13. Main supply voltage set of control relays and timers with one mode selector switch, set of push buttons.		

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1451	ELEC-10.1.1	7.5KVA, 3 Phase, 415, 50Hz, 18 BHP, water cooled / Air cooled multi cylinder diesel generator set with alternator of 7.5 KVA out put continous rating at 0.8 p.f, and 1 Nos 12V 88AH Batteries Exide / Amaraja and 1No 25A 4 Pole MCCB.	1	No	245000.00
1452	ELEC-10.1.2	15KVA, 3 Phase, 415, 50Hz, 20BHP, water cooled multi cylinder diesel generator set with alternator of 15 KVA out put continous rating at 0.8 p.f, and 1 Nos 12V , 88AH Batteries Exide / Amaraja and 1No 40A 4 Pole MCCB.	1	No	350000.00
1453	ELEC-10.1.3	25KVA, 3 Phase, 415, 50Hz, 35BHP, water cooled multi cylinder diesel generator set with alternator of 25 KVA out put continous rating at 0.8 p.f, and 1 Nos 12V 88AH Batteries Exide / Amaraja and 1No 40A 4 Pole MCCB.	1	No	440000.00
1454	ELEC-10.1.4	35KVA, 3 Phase, 415, 50Hz, 43BHP, water cooled multi cylinder diesel generator set with alternator of 35 KVA out put continous rating at 0.8 p.f, and 1 Nos 12V 120AH Batteries Exide / Amaraja and 1No 63A 4 Pole MCCB.	1	No	540000.00
1455	ELEC-10.1.5	45KVA, 3 Phase, 415, 50Hz, 56BHP, water cooled multi cylinder diesel generator set with alternator of 45 KVA out put continous rating at 0.8 p.f, and 1 Nos 12V 120AH Batteries Exide / Amaraja and 1No 63A 4 Pole MCCB.	1	No	580000.00
1456	ELEC-10.1.6	62.50KVA, 3 Phase, 415, 50Hz, 78BHP, water cooled multi cylinder diesel generator set with alternator of 62.50KVA out put continous rating at 0.8 p.f, and 1 Nos 12V 180AH Batteries Exide / Amaraja and 1No 125A 4 Pole MCCB.	1	No	625000.00
1457	ELEC-10.1.7	125KVA, 3 Phase, 415, 50Hz, 156BHP, water cooled multi cylinder diesel generator set with alternator of 125 KVA out put continous rating at 0.8 p.f, and 1 Nos 12V 180AH Batteries Exide / Amaraja and 1No 200A 4 Pole MCCB.	1	No	812000.00
1458	ELEC-10.1.8	250KVA, 3 Phase, 415, 50Hz, 313BHP, water cooled multi cylinder diesel generator set with alternator of 45 KVA out put continous rating at 0.8 p.f, and 1 Nos 12V 180AH Batteries Exide / Amaraja and 1No 400A 4 Pole MCCB.	1	No	1800000.00
	<b>11.1</b>	<b>UPS SYSTEMS</b>			
1459	ELEC-11.1.1	Supply and installation of 1.0 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	14,500.00
1460	ELEC-11.1.2	Supply and installation of 2.0 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	28,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate For 2011-12
1	2	3	4		5
1461	ELEC-11.1.3	Supply and installation of 3.0 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	35,000.00
1462	ELEC-11.1.4	Supply and installation of 5.0 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	65,000.00
1463	ELEC-11.1.5	Supply and installation of 7.5 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	90,000.00
1464	ELEC-11.1.6	Supply and installation of 10 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	1,05,000.00
1465	ELEC-11.1.7	Supply and providing of UPS cum battery rack up to 4 batteries	1	No	1500.00
1466	ELEC-11.1.8	Supply and providing of UPS cum battery rack 5 to 10 batteries	1	No	2500.00
1467	ELEC-11.1.9	Supply and providing of UPS cum battery rack upto 11 to 20 batteries	1	No	4500.00
1468	ELEC-11.1.10	Supply and fixing of 12V 26 AH SMF battery including wire leads make Quanta / Racket / Exide.	1	No	3100.00
1469	ELEC-11.1.11	Supply and fixing of 12V 42 AH SMF battery including wire leads make Quanta / Racket / Exide.	1	No	5625.00
1470	ELEC-11.1.12	Supply and fixing of 12V 65 AH SMF battery including wire leads make Quanta / Racket / Exide.	1	No	7170.00
1471	ELEC-11.1.13	Supply and fixing of 12V 100 AH SMF battery including wire leads make Quanta / Racket / Exide.	1	No	8970.00
1472	ELEC-11.1.14	Supply and fixing of 12V 120 AH SMF battery including wire leads make Quanta / Racket / Exide.	1	No	9900.00

**NOTE**

<b>1</b>	All the items to be used on work are of first quality & ISI and as approved by the Engineer In charge of the work.
<b>2</b>	Supply Rates for all the materials are based on market rates plus Sales Tax/ Material VAT.
<b>3</b>	Works Contract VAT for General/ Composition Scheme on finished items may be allowed as applicable.
<b>4</b>	SOR Rates for Building items are purely for guidance for the officers for preparation of estimates vide para.113 of APPWD code. Authority who prepares the estimate is however responsible for proper rates as envisaged in para.45 of APPWD code.

**CODE LEGEND**

"ELEC" -X.X.XX	"ELEC" for Electrical items
XXX-"1".X.XX	"1" for Name of the Section
XXX-X."1.01"	"1.01" for Serial of the Item

## **COMMON SoR: 2011-12**



# GOVERNMENT OF ANDHRA PRADESH

PART-I

SCHEDULE OF RATES

AS PER

A.P. REVISED STANDARD DATA

FOR THE YEAR 2011-2012

*(Effective from 1st June, 2011)*

**BOARD OF CHIEF ENGINEERS**



Office of the Engineer-in-Chief (I.W.)  
I & CAD Dept., Errum manzil, Hyderabad.

Procs.No.ENC/IW/P&M/EE3/DEE10/AE/13305/11/Vol-32 , dt: -7-2011.

Sub:- Schedule of Rates as per Revised Standard Data for the year 2011-12 – Irrigation & CAD works (part-1), Road & Bridge Works (Part-2) submitted by ENC, PR Department and Drinking water supply schemes (part-4) - approved- Printing & Communication of SoRs – Reg.,

Ref:- 1. G.O.Ms.No.49, I & CAD (PW: Reforms) Dept., dt.:2-3-2009.  
2. E-in-C (PH) Lr.No.146/SoR/2011-12/2011 dt.16.07.2011.  
3. E-in-C (PR) Lr.NO.T5/DEE(T)/SOR 2011-12 dt:07.07.2011.  
4. Commissioner, labour department Lr.No:N1/3174/2011, dt: 11- 05-2011.  
5. Minutes of B.O.CE's meeting for Schedule of Rates held in dt.27-6-2011.

-o0o-

The Government have approved Revised Standard Data vide ref 1<sup>st</sup> cited. The Schedule of Rates as per A.P. Revised Standard Data for the year 2011-12 is approved based on the following.

The Engineer-in-Chief, Public health Department has furnished draft rates for Public Health Work Items and Public Health materials vide ref 2<sup>nd</sup> cited.

The ENC (PR) Department has furnished the draft rates for PR Department vide ref 3<sup>rd</sup> cited

**The ENC(R&B) Department has not furnished the SoR for R&B works as per A.P.Revised Standard Data.**

For Irrigation & CAD Work Items, the regional Superintending Engineers of Irrigation Circles of Hyderabad, Chittoor & Dowlaiswaram in charge of Telangana, Rayalaseema and Andhra regions respectively have submitted the draft basic rates of materials. The Superintending Engineer, Mechanical Circle, Hyderabad has furnished draft rates of mechanical and workshop items. Accordingly, the draft rates for Irrigation & Command Area Development are prepared.

The labour rates are obtained from the Commissioner, labour department vide reference 4<sup>th</sup> cited for finalizing the rates for SoR 2011-12.

Based on the proposals, the draft Schedule of Rates for the year 2011-12 were reviewed and finalized in the annual Board of Chief Engineers meeting held on 27-6-2011.

The Procedure for the adoption of Irrigation work items, lead & lift charges (Common to all departments) is incorporated in the Annexure-A of SoR.

The approved basic rates are applicable to the datas as per A.P.Revised Standard Data approved by the Government vide G.O. 1<sup>st</sup> cited. The Government approval is necessary to adopt any other data (i.e) MORT&H Data for adopting the Road & Bridge Works (Part-2).The ENC,PR has submitted the Schedule of rates for Road & Bridge works clearly stating that "PR Department will follow the Standard Data as approved vide G.O.Ms.NO.49 I&CAD dt 2.3.2009 ".Hence for Roads and Bridge works, PR Department rates are applicable for carrying out Road and Bridge works in Irrigation Department adopting A.P.Revised Standard Data (Road and Bridge works Part-II).

The Lead & Lift Charges are common to all Engineering Departments.

One hard copy & compact disc containing Schedule of Rates & Standard data-Part-1(soft copy) are here with communicated. No other items other than the items communicated by this Office shall be introduced in the SoR.

The Heads of Department and Officers mentioned below are authorized to print the Schedule of Rates for the year 2011-12. The unauthorized printing & selling of the SoR is strictly prohibited. The Schedule of Rates for 2011-12 will be in force until the new SoR comes in to force.

The revised rates will come into force from 1<sup>st</sup> June of 2011.

The receipt of the proceedings may be acknowledged.

Encl: Annexure-A.

AEE	DEE-10	EE-III	SE (P&M)	Engineer-in-Chief (I.W.) Chairman, BOCE(S.R)
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I) Copy Communicated to the following Heads of Departments along with Enclosures for information.

- 1) Engineer-in-Chief (Admn & NH)., Roads & Buildings Department.
  - 2) Engineer-in-Chief (P.H.), Public Health Department.
  - 3) Engineer-in-Chief (P.R.), Panchayath Raj Department.
  - 4) Engineer-in-Chief (RWS) R W S, Department.
  - 5) Chief Engineer (Buildings), R&B Department.
  - 6) Copy of C.D containing Schedule of Rates 2011-12 & Standard data, part-1(Irrigation & CAD works) to all Engineers-in-Chief, Chief Engineers of Irrigation & CAD Department for favour of information.
- II) Copy to The Superintending Engineer, Irrigation Circle, I&CAD Department, Red Hills, Hyderabad for necessary action.

AEE	DEE-10	EE-III	SE (P&M)	Engineer-in-Chief (I.W.) Chairman, B.O.C.E (SoR)
-----	--------	--------	----------	---

**Important – Read The following****ANNEXURE- A**

- 1) The SPIU(Irrigation), Centre for Good Governance (CGG), Hyderabad has developed soft ware package linking the basic input data of Irrigation with approved data of Irrigation work items.
- 2) The lead and lift charges are common to all Engineering Departments. The detailed calculations are incorporated in the Lead &Lift charges chapter in the I&CAD works (Part-1) of A.P. Revised standard data.
- 3) Further, the CGG has also developed estimate preparation package to use in the preparation of estimates duly making provision for incorporation of applicable lead & lift for different materials, Area allowances for labour, Dewatering charges and VAT as additional.
- 4) For Gates & Hoist works, the excise duty on the fabrication of work (other than materials) shall be added as per the Government Orders issued from time to time while preparing the estimate.
- 5) The estimate sanctioning authority shall physically verify each and every Irrigation work item data incorporated in the estimate with basic input data before sanction of the estimate. **Any lapses or arithmetic errors arising in the sanction of data's / estimate due to adoption of the software package lies entirely on the concerned estimate sanctioning authority only.**
- 6) Any discrepancies / corrections required for improper basic input data appearing in the approved data's of Irrigation work items in the software package and hard copy of SoR & Standard data's (part-1) may be brought to the notice of undersigned for issuing corrections.

AEE

DEE-10

EE-III

SE (P&amp;M)

Engineer-in-Chief (I.W.)  
Chairman, B.O.C.E (S.R)

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# PREAMBLE

## ***PREAMBLE***

### **I.0 AREA ALLOWANCES:**

#### **A) CORPORATIONS & MUNICIPALITIES:**

- a) (i) 25% extra over the rates on labour component of works is allowed in all Municipal Corporation Limits of Andhra Pradesh except Greater Hyderabad, Greater Visakhapatnam and Vijayawada municipal corporations ( up to a belt of 12 Kms. from Municipal Corporation limits ) and other corporations as notified by the Government from time to time.
- (ii) 40% extra over the rates on labour component of works for Greater Hyderabad , Greater Visakhapatnam and Vijayawada Municipal Corporation ( up to a belt of 12 Kms. from Municipal Corporation limits ).
- b) Allow 20% extra over basic rates on labour component of works in all District Headquarters and the remaining Municipal limits ( up to a belt of 12 Kms from Municipal limits ).
- c) For works at Tirumala Hills in Chittoor District, 40% extra over the basic rates of labour component is allowed.
- d) For works at Horsely hills in Chittoor District, 30% extra over the basic rates of labour component is allowed.
- e) For works located inside Tirumala Temple, 20% extra over the basic rate of labour component specified for Tirumala Hills is allowed.
- f) For Works located inside T.T.D Temples of Sri Padmavathi Ammavari Temple, Tiruchanoor, Sri Govindaraja Swamy Temple at Tirupathi, Sri Kapleswara Swamy Temple, Kapilatheerthm, Tirupathi and Sri Kalyana Venkateswara Swamy Temple, Srinivasa Mangapuram , 20% extra over the basic rates of labour component for Tirupathi Municipal Corporation is allowed.

#### **B) JAIL COMPOUNDS:**

20% extra is allowed over labour rates for the work in the Jail compounds. Only equivalent number of Man Mazdoor shall be provided in the Jail premises and no women Mazdoor are allowed inside.

#### **C) INDUSTRIAL AREA:**

- a. 20% over basic rates on labour component works allowed for works situated within 10 Kms belt of Industrial area of, Jeedimetla, Lingampally, Ibrahimpatnam, Tandur in Ranga Reddy District, Ibrahimpatnam, Vuyyuru, Jaggaiahpet in Krishna District, Macherla, Gurajala, Challapalli in Guntur District Garividi in Vijayanagaram District, Kothur in Mahabubnagar District, Patancheru, Ramachandrapur in Medak District, Bibinagar in Nalgonda District, Ramagundam and Godavarikhani in Karimnagar District, Renigunta in Chittoor District and Yerraguntla & Mangampet in Kadapa District, Manchiryal, Mandamarri, Bellampalli in Adilabad District, Sarpaka, Kothagudem, Paloncha, Manguguru, Singareni Collieries in Khammam District, Kamalapur, Bhoopalpally of Warangal District, Wadepally of Nalgonda District, Nagapally (Centenary Colony, Begumpet "X" roads), Takkelapally of Karimnagar District, Hindupur, Tadipatri, Anantapur, Guntakal, Rayalcheruvu, Yadiki of Anantapur District and Adoni, Dhone, Cement Nagar, Nandyal, Kurnool, Yemmiganur & Bethamcherla of Kurnool District , Anakapally of Vishakhapatnam District.

**D) AGENCY / TRIBAL AREAS:**

- a) 25% extra is allowed for the works located with in the interior Agency / Tribal limits, i.e. for the works located with in & upto 16 KMs from any all weather route inside Agency / Tribal.
- b) 40% extra is allowed for the works located with in the interior Agency / Tribal limits, i.e. for the works located beyond 16 KMs from any all weather route inside Agency / Tribal.

**NOTE:** 1. No extra percentage is permissible in respect of Forest produce such as Bamboo, Rellu grass and for all materials obtained from outside the Agency / Tribal.

2. The extra percentage under Agency / Tribal areas allowance may be allowed on the labour component and on the labour charges in the rates for conveyance of materials.

3. The extra percentage on cost of materials in Agency / Tribal areas can be allowed on the labour component only, if they are manufactured in the Agency / Tribal areas itself except Forest produce.

**E) GHAT ROADS:**

For Ghat Roads steeper than 1 in 20, the length of the road may be taken as 1.5 times the existing length of the road for the purpose of leads only for conveyance of materials based on the certificate for the Ghat Road given by the Superintending Engineer concerned.

**Foot Note:** Under compelling circumstances, the concerned Chief Engineer can adopt the equivalent length of road as 2 ½ times of actual length.

**Note below area allowances:**

If more than one area allowance ( such as those ) for (1) Municipalities (2) Agency / Tribal areas (3) Industrial areas are applicable for a particular situation, only the maximum out of the allowable percentages is to be allowed.

**2.0 EXCAVATION OF TRIAL TRENCHES, TRIAL PITS AND EXCAVATION IN RESTRICTED PLACES: -****I) EXCAVATION OF TRIAL TRENCHES, TRIAL PITS AND EXCAVATION IN RESTRICTED PLACES:****A. TRIAL TRENCHES:**

- 1) Trial trenches of not more than 2 metres in width...25% extra

**B. TRIAL PITS:**

- |                               |     |            |
|-------------------------------|-----|------------|
| 1) Up to 2 Metres depth       | ... | 25% extra  |
| 2) 2 Metres to 4 Metres depth | ... | 50% extra  |
| 3) 4 Metres to 6 Metres depth | ... | 75% extra  |
| 4) 6 Metres to 8 Metres depth | ... | 100% extra |
| 5) 8 Metres to 9 Metres depth | ... | 150% extra |
| 6) More than 9 Metres depth   | ... | 200% extra |

**II) EXCAVATION IN RESTRICTED PLACES:-**

- |   |     |            |
|---|-----|------------|
| I) Foundation of Buildings  | ... | 75% extra  |
| II) For pipe lines where the depth is less than 1.5 times the width | ... | 75% extra  |
| III) For pipe lines where the depth is                              | ... | 120% extra |

1.5 times or more than the width		
IV) Silt removal in restricted areas such	...	120% extra
U. T's., Culverts and Syphons.		
V) Excavation of field channels	...	75% extra
VI) For narrow trenches not more than		
2 meters in width and depth not less		
than twice the width and for excavation	...	75% extra
of road boundary drains, model sections		
of canals.		
VII) High berm cutting of not more than	...	50% extra
150 mm average thickness and		
sectioning for roads		

**Note:** 1) The extra percentage is allowed over S. S. 20 B rate for corresponding soil. It includes the charges for all lifts and initial lead but does not include dewatering charges if any in respect of all the items under ( A) and (B) above.

2) The above extra percentages in respect of excavation in hard rock for restricted places are to be allowed for (2/3) rd of the cost and shall not to be allowed in respect of items involving blasting component which may be taken as 1/3 of the cost.

### 3.0 SEIGNIORAGE CHARGES:

Seigniorage charges for materials as fixed by the Government in G.O.Ms.No.198 (Industries and Commerce department), dated 13. 8.2009 may be added in the data of rates in the estimate. In case of revision, the revised rates as fixed by Mines and Geology Department have to be adopted.



# LABOUR RATES

## LABOUR RATES

SI No.	CATEGORY OF WORKER	S. Rate for 2011-12
1	2	3
I.	<b>SKILLED CATEGORY:</b>	
1	Bar bender	300.00
2	Black smith / Tin smith / Rivetor	285.00
3	Blaster ( Licensed )	310.00
4	Carpenter CI- I	285.00
5	Electrician ( Licensed )	310.00
6	Fitter CI- I	285.00
7	Floor Polisher / Tile Layer	285.00
8	Foreman	310.00
9	Gauge reader	260.00
10	Maistry / Work Inspector with Non-technical Qualification SSLC/SSC/HSC	275.00
11	Mason CI- I / Brick layer CI- I	285.00
12	Mechanic CI- I	285.00
13	Operator Air compressor / DG set	285.00
14	Operator Batching plant	310.00
15	Operator Bus/Ambulance/ Lorry/ Tanker	285.00
16	Operator Concrete / Asphalt mixer	285.00
17	Operator Concrete / Asphalt paver	285.00
18	Operator Concrete pump / Placer/ ice plant	285.00
19	Operator Core drilling machine	310.00
20	Operator Crane/ Tower crane/ Cable way	310.00
21	Operator Drilling jumbo / Loco / Winch	285.00
22	Operator Grouting/ Guniting/ Shotcreting	285.00
23	Operator Jackhammer/Pneumatic tamper	285.00
24	Operator Pump / Ventilation fan	285.00
25	Operator Lathe/Drilling/Shearing machine	310.00
26	Operator Bending / Planing machine	285.00

SI No.	CATEGORY OF WORKER	S. Rate for 2011-12
1	2	3
27	Operator Road roller	285.00
28	Operator Shovel / Scraper / Dozer	310.00
29	Operator Spillway / Sluice gate	285.00
30	Operator Crusher / Conveyor / Mucker	285.00
31	Operator Tipper / Dumper / Transit mixer	310.00
32	Operator Concrete vibrator	285.00
33	Operator Vibratory plain / pad foot roller	285.00
34	Operator Wagon drill / Drifter	310.00
35	Painter CI- I	300.00
36	Plumber ( Licensed ) / Pipe fitter	285.00
37	Sarang / Khalasi	285.00
38	Spun pipe moulder	285.00
39	Stone chiseller CI- I / Stone cutter CI- I	285.00
40	Struct. steel Fabricator / Marker / Erector	310.00
41	Welder / Gas Cutter	285.00
42	Welder (X-ray quality)	310.00
II.	<b>SEMI SKILLED CATEGORY:</b>	
1	Asphalt Sprayer / Boiler attendant	260.00
2	Bhisti	260.00
3	Boatman with boat	272.00
4	Carpenter CI- II / Erector shuttering	260.00
5	Cartman with double bullock cart	305.00
6	Cartman with single bullock cart	282.00
7	Chavali / Navagani	260.00
8	Crowbarman / Jumper man	260.00
9	Fitter CI- II	260.00
10	Gang man / Head / Survey mazdoor	260.00
11	Gardener / Trained mali	260.00
12	Helper Air compressor / DG set	260.00
13	Helper Batching plant	260.00

SI No.	CATEGORY OF WORKER	S. Rate for 2011-12
1	2	3
14	Helper Blasting	260.00
15	Helper Bus/ Ambulance/ Lorry/ Tanker	260.00
16	Helper Bending/Shearing/Planing machine	260.00
17	Helper Carpenter	260.00
18	Helper Concrete / Asphalt mixer	260.00
19	Helper Concrete / Asphalt paver	260.00
20	Helper Core drilling machine	260.00
21	Helper Crane/ Tower crane/ Cable way	260.00
22	Helper Drilling jumbo / Loco / Winch	260.00
23	Helper Fitter / Fabrication/Electrician	260.00
24	Helper Grouting/ Guniting/ Shotcreting	260.00
25	Helper Jack hammer / Pneumatic tamper	260.00
26	Helper Laboratory / Instrumentation	260.00
27	Helper Road roller	260.00
28	Helper Shovel / Scraper / Dozer	260.00
29	Helper Crusher / Conveyor / Mucker	260.00
30	Helper Tipper / Dumper/ Transit mixer	260.00
31	Helper Vibrator	260.00
32	Helper Vibratory plain/ pad foot roller	260.00
33	Helper Wagon drill/ Drifter	260.00
34	Lineman Electric / Telephone	260.00
35	Mason CI- II / Brick layer CI-II	260.00
36	Mechanic CI- II	260.00
37	Painter CI- II	260.00
38	Patkari / Neeraganti / Sowdy	260.00
39	Stone Chiseller CI- II	260.00
40	Stone breaker / Hammer man	260.00
41	Valve man / Canal sluice operator	260.00
III.	<b>UN-SKILLED CATEGORY:</b>	
1	Cement / Asphalt handling mazdoor	215.00

SI No.	CATEGORY OF WORKER	S. Rate for 2011-12
1	2	3
2	Civic worker	215.00
3	Heavy mazdoor	215.00
4	Light mazdoor	215.00
5	Watchman	215.00
IV.	<b>OTHER CATEGORY:</b>	
1	Care-taker / conductor / Lift Attender	260.00
2	Cook / Mess man	260.00
3	Dhobi	260.00
4	Diploma Engineer / Surveyor	400.00
5	Diver with headgear	317.00
6	Graduate / Laboratory Assistant	317.00
7	Graduate Engineer/ Geologist	500.00
8	Horticulture Assistant / Photographer	275.00
9	ITI certificate holder / Tracer / Printer	325.00
10	Literate mazdoor	260.00
11	Stenographer / Computer Operator	365.00
12	Telephone / Wireless Operator	325.00
13	Typist / Job Typist	325.00
	<b>NEW ITEMS:</b>	
14	CAD operator with Diploma in Engineering/General degree with CAD certificate	400.00
15	Jeep Driver	310.00
16	Data Processing Operator	450.00

Note: - 1)The wage should not be less than the minimum wages of schedule of employment, subject to out turn. 2) 25% extra over the corresponding labour rates in respect of the work to be done during night time subject to issue of certificate accordingly by the concerned estimate sanctioning authority for providing in the data and by concerned Executive Engineer in charge of the work for payment. The night time allowance is applicable only to the works done under Greater Hyderabad Municipal Corporation, Greater Visakhapatnam Municipal Corporation and Vijayawada Municipal Corporation limits only.

# **BASIC INPUT DATA FOR IRRIGATION WORK ITEMS**

## Basic Input Data for Irrigation Work Items

### STATEMENT OF RATES FOR MATERIALS

FOR THE YEAR : 2011-12

#### GENERAL GUIDE LINES FOR REVISING RATES OF MATERIALS:

1. Average of the prevailing market rates, ignoring freak rates, is the criteria for fixing market rates for materials.
2. The rates for materials are inclusive of all taxes, duties and other local levies.
3. The rates for materials are inclusive of seigniorage charges wherever applicable.
4. The rates for materials, except those for which lead charges are admissible as per the statement of lead charges are for all leads.
5. The rates provided for useful rubble / stone chips from excavation shall be at dump yard.

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2011-12
1	2	3	4
1	Acetylene gas	cum	275
2	Asphalt 80/ 100 Grade	Kg	33
3	Binding wire	Kg	55
4	Burnt stone slab 10 cm thick	sqm	227
5	Cement 43 Gr (including loading charges)	tonne	5500
6	Chequered plate	Kg	44
7	Coarse aggregate 10-4.75 mm(including seigniorage charges)	cum	750
8	Coarse aggregate 20-10 mm(including seigniorage charges)	cum	1,025
9	Coarse aggregate 40-20 mm(including seigniorage charges)	cum	975
10	Coarse aggregate 80-40 mm(including seigniorage charges)	cum	560
	The aggregate rates mentioned above (from SI.No.7 to SI.No.10) are inclusive of seigniorage charges of Rs.50/cum,blasting charges of Rs.70/cum and 25% machine crushing charges.However ,if the metal is obtained from hand broken,the blasting and crushing charges shall be deducted.The aggregate shall be HB Stone of Granite,Dolomite,Dolerite and Trap.(Quartzite and Basalt with aggregate impact of less than 20)		
11	Coir brush	Each	24
12	Copper sheet 16 SWG	kg	530
13	Coursed rubble stone 30 x 30 x 45 cm(including seigniorage charges)	Each	15
14	Coursed rubble stone 30 x 30 x 60 cm(including seigniorage charges)	Each	18
15	Curing Compound	ltr	105
16	D - cord	Rm	11
17	Delay - noiseless trunk	Each	19

**Basic Input Data for Irrigation Work Items**

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2011-12
1	2	3	4
18	Detonating fuse coil	Rm	8
19	Detonating shock tube / Cord relays	Rm	55
20	Detonator delay type	Each	19
21	Detonator electric	Each	11
22	Detonator ordinary	Each	6
23	Empty cement bag	Each	3.50
24	Explosive ANFO	kg	29
25	Explosive ANFO high strength booster	kg	65
26	Explosive small dia ( Kelvex-220 or equivalent)	kg	54
27	Fine aggregate / sand ( unscreened )(including seigniorage charges)	cum	325
28	Fine aggregate / sand ( screened )(including seigniorage charges)	cum	425
29	Geo-textile ( filter fabric ) 160 gsm	sqm	85
30	Geo-textile ( filter fabric ) 200 gsm	sqm	100
31	Geo-textile ( filter fabric ) 250 gsm	sqm	120
32	G I Pipe 100 mm dia B Class	Rm	551
33	G I Pipe 15 mm dia A class	Rm	79
34	G I pipe 25 mm dia A class	Rm	116
35	G I pipe 40 mm dia B class	Rm	189
36	G I pipe 50 mm dia A class	Rm	231
37	G I Pipe 80 mm dia B Class	Rm	294
38	G.I Bolts / Nuts and Washers	kg	85
39	G.I sheet ( plain )	tonne	51000
40	Hariyala turfing sods	sqm	22
41	Hectometer stone one line dressed	Each	180
42	Hemp yarn	kg	60
43	Honne wood planks	cum	45000
44	Hume pipe with collar 150 mm dia	Rm	250
45	Hume pipe with collar 300 mm dia	Rm	500
46	J- Bolts 30 cm long	Each	25



**Basic Input Data for Irrigation Work Items**

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2011-12
1	2	3	4
47	Jungle wood planks	cum	18000
48	Khandki stone 15 to 20 cm height	Each	8
49	Khandki stone 20 to 25 cm height	Each	10
50	Khandki stone 25 to 30 cm height	Each	12
51	Kilometer stone one line dressed	Each	340
52	LDPE sheet ( Geo membrane ) 500 micron thick	sqm	68
53	LDPE sheet ( Geo membrane ) 750 micron thick	sqm	100
54	LDPE sheet ( Geo membrane ) 1000 micron thick	sqm	140
55	M S Bolts / Nuts / Washers	kg	60
56	Murum(including seigniorage charges and loading charges )	cum	80
57	Oxalic acid	ltr	60
58	Oxygen gas	cum	40
59	PVC sealing strip	Rm	35
60	PVC water stopper 310 mm wide	Rm	400
61	PVC pipe of 100 mm dia	Rm	140
62	Reinforcement steel (including loading charges) (HYSD/TMT )	tonne	41000
63	Resin bond Cement capsule	Each	56
64	Rough stone 20 x 20 x 75 cm ( Including Seigniorage Charges)	Each	13
65	Shahabad stone slab (including seigniorage charges and loading charges)	sqm	179
66	Stone chips ( at dump yard / Spoil)(including seigniorage charges and loading charges)	cum	175
67	Stone chips ( at quarry )(including seigniorage charges and loading charges)	cum	310
68	Structural steel angle / channel / beam / bars (including loading charges)	tonne	40000
69	Structural steel plate / flats (including loading charges)	tonne	43000
70	Super Plasticizer ( Conplast RP-264 or equivalent )	kg	54
71	Synthetic Enamel paint 1st quality	ltr	184
72	Synthetic adhesive ( Resin + Hardener )	Kg	189
73	Tar felt joint filler board 12 mm thick	sqm	340

### Basic Input Data for Irrigation Work Items

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2011-12
1	2	3	4
74	Tar felt joint filler board 20 mm thick	sqm	540
75	Through stones 20 x 20 x 30 to 45 cm long(including seigniorage charges and loading charges)	Each	19
76	Through stones 25 x 25 x 45 to 60 cm long(including seigniorage charges and loading charges)	Each	32
77	Through stones 30 x 30 x 65 to 75 cm long(including seigniorage charges and loading charges)	Each	45
78	Un-coursed rubble stones ( at dump yard /Spoil )(including seigniorage charges and loading charges)	cum	160
79	Un-coursed rubble stones ( at quarry )(including seigniorage charges and loading charges)	cum	265
80	Water proofing compound	kg	58
81	Welding electrodes 4 mm dia	Each	9.00
82	Wire brush	Each	30
83	Wire mesh 20 gauge	sqm	175
84	Zinc chromate red oxide primer paint	ltr	95
85	inorganic zinc silicate	ltr	500
86	solvent less coal tar epoxy paint	ltr	195
87	Zinc phosphate primer	ltr	165
88	Allkyd based iron oxide paint	ltr	145
89	cost of hdpe /light black MS casing pipe (150 mm Dia)	Rm	560
90	welded steel wire fabric 100X100X5 mm size	Kg	115

## Basic Input Data for Irrigation Work Items

### ADDITIONAL MATERIALS FOR GATES & HOISTS FOR THE YEAR : 2011-12

#### GUIDE LINES :

- a. For cast steel / Alloy steel / Forged steel / Bronze, aluminum alloy components the rates shall be inclusive of cost of basic metal for these components, casting / forging charges, machining charges and applicable excise duty on finished alloy component.
- b. The rate in the total rate column is rounded off to nearest Rs : 5.00.
- c. For other materials the rates shall be prevailing market rates.

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2011-12
1	2	3	4
1	Alloy steel ( IS : 1570-carbon steel ) shafts	kg	155
2	Alloy steel ( IS : 1570-stainless steel ) pins	kg	330
3	Bolt / Nut / Washer ( hot dipped galvanized )	kg	95
4	Bolt / Nut / Washer ( stainless steel )	kg	250
5	Bronze/Aluminum alloy(IS:305)bearings/bushes	kg	700
6	Cast iron blocks	kg	63
7	Cast steel drums / gears	kg	170
8	Cast steel pinions	kg	160
9	Cast steel wheels / pulleys / hubs / rollers / retainers	kg	140
10	Chemical for de-greasing/ derusting/phosphate coating	ltr	110
11	Coal tar epoxy paint	ltr	160
12	Forged steel hooks / shackles	kg	200
13	MS pipe 200 / 300 mm dia	kg	140
14	MS pipe 32 mm dia	Rm	160
15	MS pipe 25 mm dia	Rm	130
16	Rubber bottom seal ( IS : 11855 )	Rm	600
17	Rubber side seal ( music note type Teflon claded ) ( IS : 11855 )	Rm	1500
18	Rubber side seal ( music note type uncladed ) ( IS : 11855 )	Rm	1200
19	Rubber side seal Z-type ( IS : 11855 )	Rm	1950
20	Rubber corner seal ( Teflon claded ) ( IS : 11855 )	Rm	3000
21	Rubber corner seal ( un claded ) ( IS : 11855 )	Rm	2600

**Basic Input Data for Irrigation Work Items**

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2011-12
1	2	3	4
22	Stainless steel plates / flats	kg	230
23	Welding electrode 4 mm dia x 450 mm ( radiographic low hydrogen )	Each	12
24	Welding electrode 4 mm dia x 450 mm ( stainless steel )	Each	19
25	Wire rope 6x37 constn ( IS : 2266 )	kg	150
26	Zinc	kg	135
27	Zinc rich ( zinc content : 90 % ) epoxy primer	ltr	450

**MATERIALS FOR POWER SUPPLY WORKS  
FOR THE YEAR : 2011-12**

SI No.	Description of Material	Unit	S. Rate for 2011-12
1	Electric pole with fixtures	Each	3150
2	Flood light 500 W	Each	263
3	Flood light set	Each	1890
4	Flousscent tube light 40 W	Each	47
5	Flousscent tube light set	Each	315
6	HT / LT Circuit breaker with accessories	Set	207900
7	HT / LT Line conductor	1000 m	15225
8	PVC Armoured cable 10 sqmm and below	Rm	173
9	PVC Armoured cable 16 sqmm	Rm	257
10	PVC Armoured cable 25 sqmm	Rm	341
11	PVC Armoured cable 70 sqmm	Rm	578

**DETAILS OF CAPITAL COST OF MACHINERY / EQUIPMENT**

**FOR THE YEAR: 2011-12**

**GUIDE LINES FOR FIXING CAPITAL COST OF MACHINERY / EQUIPMENT:**

1. The Capital cost of machinery / equipment shall be for new machinery / equipment and shall be inclusive of all taxes, duties, other levies.
2. The cost of transport vehicles / equipment shall be exclusive of cost of tyres and tubes.
3. The cost of drill rods / drill bits / air hose / water hose / road tax / insurance charges and other consumable accessories shall not be included in the capital cost.
4. In cases, where the current capital cost of machinery / equipment could not be collected through enquiries, the capital cost considered for previous year may be updated on the basis of average percentage increase / decrease in the index for machinery published in the R.B.I Bulletin.

<b>SI No:</b>	<b>DESCRIPTION OF MACHINERY / EQUIPMENT</b>	<b>UNIT</b>	<b>S. Rate for 2011-12</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Agitator car / Transit mixer 2 cum ( excluding tyres )	Each	1700000
	tyres and tubes 6 sets		72000
2	Air compressor 5 cmm electric	Each	500000
3	Air compressor 7 cmm diesel	Each	700000
4	Air compressor 7 cmm electric	Each	680000
5	Air compressor 8.5 cmm diesel	Each	825000
6	Air compressor 8.5 cmm electric	Each	800000
7	Air compressor 15 cmm electric	Each	1000000
8	Angle Dozer 90 hp	Each	4000000
9	Batching plant 0.5 cum with accessories	Each	950000
10	Batching plant 2 x 1.00 cum with accessories	Each	2625000
11	Batching plant 2 x 1.50 cum with accessories	Each	3500000
12	Bending machine	Each	180000
13	Clamp shell and hoisting ropes	Each	23000
14	Concrete bucket 1.5 cum	Each	45000
15	Concrete hand mixer 45/30 ltr	Each	11000
16	Concrete mixer 300/200 ltr(diesel)	Each	125000
17	Concrete mixer 300/200 ltr ( electric )	Each	115000
18	Concrete mixer 600/400 ltr(diesel)	Each	215000
19	Concrete mixer 600/400 ltr ( electric )	Each	180000

**Basic Input Data for Irrigation Work Items**

<b>Sl No:</b>	<b>DESCRIPTION OF MACHINERY / EQUIPMENT</b>	<b>UNIT</b>	<b>S. Rate for 2011-12</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
20	Concrete paver 100 Sqm / hr	Each	1900000
21	Convey mucker ( excluding tyres )	Each	3100000
	tyres and tubes 6 sets		72000
22	Core drilling machine	Each	850000
23	Diesel generating set 30 KVA	Each	365000
24	Diesel generating set 50 KVA	Each	470000
25	Diesel Loco 45 hp	Each	1350000
26	Dewatering pump 5 hp diesel	Each	33000
27	Dewatering pump 5 hp electric	Each	18000
28	Dewatering pump 10 hp diesel	Each	48000
29	Dewatering pump 10 hp electric	Each	27000
30	Dewatering pump 20 hp diesel	Each	150000
31	Dewatering pump 20 hp electric	Each	50000
32	Drifter	Each	700000
33	Drilling jumbo ( excluding tyres )	Each	1000000
	tyres and tubes 6 sets		72000
34	Dumper 4.5 cum ( excluding tyres )	Each	950000
	tyres and tubes 6 sets		72000
35	Geophysical Ele.resistivity meter	Each	300000
36	Grouting pump	Each	80000
37	Guniting / sand blasting equipment	Each	220000
38	Ice plant with accessories 30 t / day	Each	1850000
39	Jack hammer	Each	44000
40	Needle vibrator 40 mm petrol	Each	15500
41	Needle vibrator 40 mm electric	Each	17500
42	Needle vibrator 60 mm petrol	Each	16200
43	Needle vibrator 60 mm electric	Each	20000
44	Planing machine 4 m stroke	Each	600000
45	Plate shearing machine up to 12 mm	Each	325000

**Basic Input Data for Irrigation Work Items**

<b>Sl No:</b>	<b>DESCRIPTION OF MACHINERY / EQUIPMENT</b>	<b>UNIT</b>	<b>S. Rate for 2011-12</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
46	Pneumatic placer 0.5 cum	Each	460000
47	Pneumatic tamper	Each	55000
48	Pug cutting machine	Each	14500
49	Pusher leg	Each	34000
50	Road roller diesel 10 t	Each	650000
51	Shovel 0.50 cum 75 hp	Each	2600000
52	Shovel 0.85 cum 110 hp	Each	4400000
53	Stationery derrick crane 5 t	Each	500000
54	Tipper 5 cum ( excluding tyres )	Each	1250000
	tyres and tubes 6 sets		72000
55	Tipping tub 1.5 cum	Each	125000
56	Tower crane 5 tonne	Each	6000000
57	Transformer 250 KVA	Each	330000
58	Truck 10 t ( excluding tyres )	Each	950000
	tyres and tubes 6 sets		72000
59	Truck mounted derrick crane 5 t ( excluding tyres )	Each	1575000
	tyres and tubes 6 sets		72000
60	Upright drilling machine	Each	45000
61	Ventilation fan 20 hp	Each	140000
62	Vibratory pad foot roller 8 t	Each	2000000
63	Wagon drill	Each	500000
64	Water tanker 8000 ltr (excluding tyres)	Each	950000
	tyres and tubes 6 sets		72000
65	Welding set	Each	38500
66	Winch 35 hp electric	Each	285000

## Basic Input Data for Irrigation Work Items

### ACCESSORIES TO MACHINERY / EQUIPMENT FOR THE YEAR : 2011-12

SI No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2011-12
1	2	3	4
1	Casing shoe bit	Each	8000
2	Diamond core bit BX size	Each	10000
3	Diamond core bit NX size	Each	15000
4	Double tube core barrel	Each	11000
5	Extension drill rod with coupling sleeve	Rm	1700
6	Jack hammer drill rod 1.5 m	Each	3300
7	Jack hammer drill rod 2.5 m	Each	5500
8	Nozzle for Guniting / sand blasting gun	Each	575
9	Paving Cylinder	Each	23000
10	Rails 30R ( 30 kg / m )	tonne	38000
11	Reamer shell	Each	4000
12	T.C.Cross bit 50 mm dia	Each	4700
13	T.C.Cross bit 75 mm dia	Each	8000
14	T.C.Cross bit 100 mm dia	Each	10000
15	Tyres and Tubes for truck	Set	13100
16	Wire rope 16 mm dia	Rm	165
17	Excavation of drain with Excavator	cum	23

### AGGREGATE CRUSHING & PROCESSING PLANT

SI No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2011-12
1	2	3	4
1	Jaw crusher 900 x 500 mm ( 120 tph ) with 50 hp motor	Each	1550000
2	Jaw crusher 500 x 300 mm ( 60 tph ) with 30 hp motor	Each	880000
3	Jaw crusher 400 x 225 mm ( 10 tph ) with 25 hp motor	Each	450000
4	Jaw plates 900 x 500 mm ( serreted )	Set	115000
5	Jaw plates 500 x 300 mm ( serreted )	Set	48000
6	Jaw plates 400 x 225 mm ( serreted )	Set	33000
7	Nylon Conveyor belt 3 ply 600 mm width	Rm	1700
8	Nylon Conveyor belt 3 ply 1000 mm width	Rm	2800



**OTHER COSTS ON MATERIAL / MACHINERY / EQUIPMENT**

**FOR THE YEAR : 2011-12**

1. The rate provided for ' SUNDRIES' (Lump sum provision for unquantified inputs in the data rates) shall be updated on the basis of general percentage increase / decrease in the market rates or on the basis of R.B.I ' All Commodity' index.
2. The rate for structural steel fabrication shall include cost of all materials (except structural steel), machinery, labour and one coat of primer painting.
3. Demand charges and electric power charges shall be as per prevailing APCPDCL tariff.
4. Rate of interest on capital cost shall be as approved by Govt or other competent authority.

SI No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2011-12
1	2	3	4
1	Air hose 25 mm dia	Rm	130
2	Air hose 50 mm dia	Rm	235
3	Demand charges ( HT-2B ) on power supply	KVA / month	220
4	Diesel	ltr	45
5	Electric power ( HT-2B category ) including tax	Kwhr	4.50
6	Excise duty on Gates / Hoist supplies	%	0%
7	Insurance charges on machinery	% / annum	1%
8	Interest on capital cost	% / annum	12%
9	Lubricants	ltr	225
10	Petrol	ltr	68
11	Rivets	kg	85
12	Road tax on transport vehicles	Rs./annum	13800
13	Shalimastic sealing compound	kg	70
14	Shutter oil	ltr	60
15	Structural steel fabrication	kg	18
16	Sundries ( Lump sum for un quantified inputs )	LS	33
17	Water hose ( pressure ) 20 mm dia	Rm	168
18	Steel wedges	LS	12
19	Elbows / Nipple / Plugs etc.,	LS	13
20	Soldering materials	LS	12

### Basic Input Data for Irrigation Work Items

SI No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2011-12
1	2	3	4
21	Steam circulation arrangement	LS	12
22	Fuel charges ( gas for heating )	LS	12
23	Vulcanizing materials	LS	12
24	Other accessories / controls / junctions	LS	12
25	Miscellaneous fittings / switches etc	LS	12
26	Anchors / supports for cables / lights	LS	12
27	Civil works for foundations / pedestals / duct etc	LS	12
28	Gas cutting set ( 2 No's 15 m hose and nozzle unit )	EACH	11000
29	Grease	Kg	175
30	Welding holder set ( cable / holder / gloves / mask etc )	EACH	5000
31	Use rate of ropes	LS	120

### MATERIALS FOR GATES AND HOISTS

#### FOR THE YEAR : 2011-12

SI No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2011-12
1	Worm reducers	EACH	170,000
2	Electric motor 20 hp(Double Shaft)	EACH	92000
3	Electric motor 17.5 hp(Double Shaft)	EACH	65000
4	Electric motor 12.5 hp(Double Shaft)	EACH	55000
5	Electric motor 5 hp(Double Shaft)	EACH	27500
6	Electric motor 3 hp (Double Shaft)	EACH	19500
7	Electric motor 2 hp (Double Shaft)	EACH	10000
8	Floating shaft 300 mm dia	Kg	140
9	Manual operating system	EACH	23000
10	Gate position indicator	EACH	125000
11	Ele-magnetic brake	EACH	27000
12	Electric cable / switch / control panel etc	LS	32000
13	Wire rope sockets	EACH	3000

## Basic Input Data for Irrigation Work Items

**Other "Over Heads" to be added in the Basic Data  
wherever applicable for Irrigation Work Items for the year 2011-12**

Sl. No	Description	%	Category of works
1	Add for Contractors' Overheads and profit including Labour importation	14%	General
2	VAT @	2.8%	General
3	Add for blasting studies & monitoring vibrations etc @	0.50%	Canals & Allied Works
4	Add for shifting & re-erection of BP @	2%	Canals & Allied Works
5	Add for LH / RH shifting & erection of Paver @	0.50%	Canals & Allied Works
6	Add for ledge cutting / erection of tracks etc @	1%	Canals & Allied Works
7	Apportioned hire charges of machinery @ for lining slab	90%	Canals & Allied Works
8	Apportioned cost of labour @ for lining slabs	90%	Canals & Allied Works
9	Apportioned hire charges of machinery @ for lug slabs	10%	Canals & Allied Works
10	Apportioned cost of labour @ for lug slabs	10%	Canals & Allied Works
11	Add for repairs/ replacements/ catwalks etc., @	15%	Dam & Allied Works
12	Add for binding wire/ temporary supports etc., @	5%	Dam & Allied Works
13	Add for scaffolding @	2.5%	Tunnel & Allied Works
14	Add for labour for scaffolding @	2.5%	Tunnel & Allied Works
15	Add for scaffolding materials @	2.50%	Tunnel & Allied Works
16	Deduct salvage value on machinery @	10%	Hire Charges
17	Add for excise duty on 75% cost excluding cost of materials @	0.0%	Gates & Allied Works
18	Add for transportation up to work site @	3%	Gates & Allied Works
19	Add for Air and Water line @	1%	Tunnel & Allied Works
20	Add for Ventilation @	4.50%	Tunnel & Allied Works
21	Add for Lighting @	1.60%	Tunnel & Allied Works
22	Add for Ele sub-station / Demand charges @	2.5%	Tunnel & Allied Works
23	Add for conveyor system @	3%	Dam & Allied Works
24	Add for trestle bridge for tower crane truck @	4%	Dam & Allied Works

**Materials other than covered under irrigation**  
**For the year 2011-12**  
**GENERAL GUIDE LINES FOR REVISING RATES OF MATERIALS:**

1. Average of the prevailing market rates, ignoring freak rates, is the criteria for fixing market rates for materials.
2. The rates for materials is inclusive of all taxes, duties and other local levies.
3. The rates for materials is inclusive of Seigniorage charges wherever applicable.
4. The rates for materials, except those for which lead charges are admissible as per the Statement of lead charges is for all leads.

Sl. No.	Description	Unit	S. Rate for 2011-12
1	2	3	4
M-002	Quarried stone 150 - 200 mm size for Hand Broken (Excluding lead charges)	cum	145
M-003	Boulder with minimum size of 300 mm for Pitching	cum	160
M-004	Coarse Sand for filling(Including seigniorage charges)	cum	250
M-005	Coarse sand for Mortar (Including Seigniorage Charges)	cum	325
M-006	Fine sand (including seigniorage charges)	cum	425
M-007	Moorum (including seigniorage charges)	cum	80
M-008	Gravel/Quarry spall	Cum	80
M-009	Granular Material or hard murrum for GSB works	Cum	Deleted
M-010	Granular Material or hard murrum for GSB works	Cum	80
M-011	Fly ash conforming to IS: 3812 ( Part II & I)	Cum	46
	For item No.M-012 to M-029 the note shall be as follows 1) The rates mentioned are inclusive of Seigniorage charges of Rs.50/ cum, blasting charges of Rs.70/cum and 25% machine crushing charges. However, if the metal is obtained by hand broken, machine crushing charges shall be deducted. 2)If the material is obtained by hand broken from surface boulders/canal spoil ,the blasting and crushing charges shall be deducted. 3)The material shall be HB Stone of Granite, Dolomite, Dolerite and Trap.(Quartzite and Basalt with aggregate impact of less than 20)		
M-012	Filter media/Filter Material as per Table 300-3 (MoRT&H Specification)	Cum	305
M-013	Close graded Granular sub-base Material 53 mm to 9.5 mm	cum	605
M-014	Close graded Granular sub-base Material 37.5 mm to 9.5 mm	cum	625
M-015	Close graded Granular sub-base Material 26.5 mm to 9.5 mm	cum	645

**Other Dept's Basic Data**

Sl. No.	Description	Unit	S. Rate for 2011-12
1	2	3	4
M-016	Close graded Granular sub-base Material 9.5 mm to 4.75 mm	cum	545
M-017	Close graded Granular sub-base Material 9.5 mm to 2.36 mm	cum	535
M-018	Close graded Granular sub-base Material 4.75mm to 2.36 mm	cum	475
M-019	Close graded Granular sub-base Material 4.75mm to 75 micron mm	cum	455
M-020	Close graded Granular sub-base Material 2.36 mm	cum	455
M-021	Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.	cum	255
M-022	Coarse graded Granular sub-base Material 2.36 mm & below	cum	415
M-023	Coarse graded Granular sub-base Material 4.75mm to 75 micron mm	cum	445
M-024	Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm	cum	445
M-025	Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm	cum	520
M-026	Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm	cum	565
M-027	Coarse graded Granular sub-base Material 26.5 mm to 9.5 mm	cum	615
M-028	Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm	cum	625
M-029	Coarse graded Granular sub-base Material 53 mm to 26 .5mm	cum	765
	For item No.M-030 & M-055 the note shall be as follows 1) The rates mentioned are inclusive of Seigniorage charges of Rs.50/ cum, blasting charges of Rs.70/cum and 25% machine crushing charges. However, if the metal is obtained by hand broken, machine crushing charges shall be deducted. 2) If the material is obtained by hand broken from surface boulders/canal spoil, the blasting and crushing charges shall be deducted. 3)The material shall be HB Stone of Granite, Dolomite, Dolerite and Trap.(Quartzite and Basalt with aggregate impact of less than 20)		
M-030	Aggregates below 5.6 mm	cum	505
M-031	Aggregates 22.4 mm to 2.36 mm	cum	805
M-032	Aggregates 22.4 mm to 5.6 mm	cum	905
M-033	Aggregates 45 mm to 2.8 mm	cum	630
M-034	Aggregates 45 mm to 22.4 mm	cum	975
M-035	Aggregates 53 mm to 2.8 mm	cum	805
M-036	Aggregates 53 mm to 22.4 mm	cum	765

**Other Dept's Basic Data**

<b>Sl. No.</b>	<b>Description</b>	<b>Unit</b>	<b>S. Rate for 2011-12</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
M-037	Aggregates 63 mm to 2.8 mm	cum	625
M-038	Aggregates 63 mm to 45 mm	cum	595
M-039	Aggregates 90 mm to 45 mm	cum	560
M-040	Aggregates 10 mm to 5 mm	cum	750
M-041	Aggregates 11.2 mm to 0.09 mm	cum	630
M-042	Aggregates 13.2 mm to 0.09 mm	cum	705
M-043	Aggregates 13.2 mm to 5.6 mm	cum	805
M-044	Aggregates 13.2 mm to 10 mm	cum	895
M-045	Aggregates 20 mm to 10 mm	cum	1025
M-046	Aggregates 25 mm to 10 mm	cum	985
M-047	Aggregates 19 mm to 6 mm	cum	905
M-048	Aggregates 37.5 mm to 19 mm	cum	960
M-049	Aggregates 37.5 mm to 25 mm	cum	945
M-050	Aggregates 6 mm nominal size	cum	655
M-051	Aggregates 10 mm nominal size	cum	820
M-052	Aggregates 13.2/12.5 mm nominal size	cum	980
M-053	Aggregates 20 mm nominal size	cum	1175
M-054	Aggregates 25 mm nominal size	cum	1155
M-055	Aggregates 40 mm nominal size	cum	745
M-056	AC pipe 100 mm dia	metre	Rate as per PH item
M-057	Acrylic polymer bonding coat	litre	395
M-058	Aluminum Paint	litre	285
M-059	Aluminum alloy plate 2mm Thick	sqm	315
M-060	Aluminum alloy/Galvanised steel	tonne	60000
M-061	Aluminum sheeting fixed with encapsulated lens type reflective sheeting including 2% towards lettering, cost of angle iron, cost of drilling holes, nuts, bolts etc. and signs as applicable	sqm	800
M-062	Aluminum studs 100 x 100 mm fitted with lens reflectors	No's	As per local market rate

**Other Dept's Basic Data**

Sl. No.	Description	Unit	S. Rate for 2011-12
1	2	3	4
M-063	Barbed wire	kg	66
M-064	Bearing (Cost of parts)	No's	490
M-065	Bearing (Cast steel rocker bearing assembly of 250 tonne )	No's	680
M-066	Bearing (Elastomeric bearing assembly consisting of 7 internal layers of elastomer bonded to 6 nos. internal reinforcing steel laminates by the process of vulcanisation,)	Cm <sup>3</sup>	As per Market Competitive rates.
M-067	Bearing (Forged steel roller bearing of 250 tonne)	No's	
M-068	Bearing (Pot type bearing assembly consisting of a metal piston supported by a disc, PTFE pads providing sliding surfaces against stainless steel mating together with cast steel assemblies/fabricated structural steel assemblies duly painted with all components	No's	
M-069	Bearing (PTFE sliding plate bearing assembly of 80 tonnes )	No's	
M-070	Bearing (Supply of sliding plate bearing of 80 tonne)	No's	
M-071	Bentonite	kg	6
M-072	Binding wire	kg	55
M-073	Bitumen ( Cationic Emulsion )	tonne	As per rates fixed by R&B Dept based on refinery rates
M-074	Bitumen (60-70 grade)(Excluding taxes)	tonne	
M-075	Bitumen (80-100 grade ) (Excluding taxes)	tonne	
M-076	Bitumen (Cutback )	tonne	
M-077	Bitumen (emulsion)(Excluding taxes)	tonne	
M-078	Bitumen (modified graded)	tonne	
M-079	Brick	each	As per Building SSR
M-080	C.I. shoes for the pile	kg	46
M-081	Cement	tonne	5,500
M-082	Cold twisted bars (HYSD/TMT Bars)	tonne	41,000
M-083	Collar for joints 300 mm dia	No's	140
M-084	Compressible Fibre Board(20mm thick)	sqm	450
M-085	Connectors/ Staples	each	68
M-086	Copper Plate(12m long x 250mmwide)	kg	450
M-087	Corrosion resistant Structural steel	tonne	50000

**Other Dept's Basic Data**

<b>Sl. No.</b>	<b>Description</b>	<b>Unit</b>	<b>S. Rate for 2011-12</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
M-088	Corrugated sheet, 3 mm thick, "Tie" beam section railing	kg	170
M-089	Credit for excavated rock found suitable for use	cum	120
M-090	Curing compound	liter	105
M-091	Delineators from ISI certified firm as per the standard drawing given in IRC - 79	each	As per local competitive quotations
M-092	Earth Cost or compensation for earth taken from private land(Excluding Seigniorage Charges)	cum	27
M-093	Elastomeric slab seal expansion joint assembly manufactured by using chloroprene, elastomer for elastomeric slab unit conforming to clause 915.1 of IRC: 83 (part II),	metre	As per local competitive quotations
M-094	Electric Detonators @ 1 detonator for 1/2 gelatin stick of 125 gms each	100 no's	1100
M-095	Epoxy compound with accessories for preparing epoxy mortar	kg	300
M-096	Epoxy mortar	kg	95
M-097	Epoxy primer	kg	505
M-098	Epoxy resin-hardner mix for prime coat	kg	525
M-099	Flag of red color cloth 600 x 600 mm	each	22
M-100	Flowering Plants	each	30
M-101	Galvanised MS flat clamp	No's	170
M-102	Galvanised steel wire crates of mesh size 100 mm x 100 mm woven with 4mm dia. GI wire in rolls of required size.	sqm	150
M-103	Galvanised structural steel plate 200 mm wide, 6 mm thick, 24 m long	kg	800
M-104	Gelatin 80%	kg	550
M-105	Geo grids	sqm	As per local competitive quotations
M-106	(a)Geo membrane 500 micron thick	sqm	68
	(b) Geo membrane 750 micron thick	sqm	100
	(c) Geo membrane 1000 micron thick	sqm	140
M-107	Geo nets	sqm	As per local competitive quotations
M-108	(a)Geo textile 160 gsm	sqm	85
	(b) Geo textile 200 gsm	sqm	100



**Other Dept's Basic Data**

Sl. No.	Description	Unit	S. Rate for 2011-12
1	2	3	4
	(c) Geo textile 250 gsm	sqm	120
M-109	Geo textile filter fabric	sqm	As per local competitive quotations
M-110	GI bolt 10 mm Dia	No's	19
M-111	Grouting pump with agitator	hour	Rate covered in hire charges of machinery of Irrigation items
M-112	Grass (Doob)	kg	4
M-113	Grass (Fine)	kg	5
M-114	HDPE pipes 75mm dia	metre	Rate as per PH items
M-115	HDPE pipes 90mm dia	metre	
M-116	Hedge plants	each	Rate as per local competitive quotations
M-117	Helical pipes 600mm diameter	metre	
M-118	Hot applied thermoplastic compound	litre	
M-119	HTS strand	tonne	
M-120	Joint Sealant Compound	kg	
M-121	Jute netting, open weave, 2.5 cm square opening for seeding and Mulching	sqm	75
M-122	LDO for steam curing	litre	55
M-123	M.S. Clamps	kg	Deleted
M-124	M.S. Clamps	kg	Rate as per local competitive quotations
M-125	M.S. shoes @ 35 Kg per pile of 15 m	kg	Rate as per local competitive quotations
M-126	Mild Steel bars	tonne	39000
M-127	Modular strip/box seal expansion joint including anchorage catering to a horizontal movement beyond 70 mm and up to 140mm assembly comprising of edge beams, central beam, 2 modules chloroprene seal, anchorage elements, support and control system, all steel sections protected against corrosion and installed by the manufacturer or his authorised representative	metre	Rate as per local competitive quotations
M-128	Modular strip/box seal expansion joint catering to a horizontal movement beyond 140mm and up to 210mm box/box seal joint assembly containing 3 modules/cells and comprising of edge beams, two central beams, chloroprene seal, anchorage elements, support and control system, all steel sections	metre	Rate as per local competitive quotations

**Other Dept's Basic Data**

Sl. No.	Description	Unit	S. Rate for 2011-12
1	2	3	4
	protected against corrosion and installed by the manufacturer or his authorised representative		
M-129	Nipples 12mm	No's	15
M-130	Nuts and bolts	kg	75
M-131	Paint	litre	As per building SSR
M-132	Pavement Marking Paint	litre	Rate as per local competitive quotations
M-133	Paving Fabric	Sqm	
M-134	Perforated geo synthetic pipe 150 mm dia	metre	
M-135	Perforated pipe of cement concrete, internal dia 100 mm	metre	
M-136	Pesticide	kg	Rate as per local competitive quotations
M-137	R.C.C Pipes 200 mm dia, 2.5 m long for drainage	metre	Rate as per PH item
M-138	Plastic sheath, 1.25 mm thick for dowel bars	Sqm	Rate as per local competitive quotations
M-139	Plastic tubes 50 cm dia, 1.2 m high	No's	
M-140	Polymer braids	metre	
M-141	Pre moulded Joint filler, 25 mm thick for expansion joint.	Sqm	
M-142	Pre-coated stone chips of 13.2 mm nominal size	cum	
M-143	Preformed continuous chloroprene elastomer or closed cell foam sealing element with high tear strength, vulcanised in a single operation for the full length of a joint to ensure water tightness.	metre	Rate as per local competitive quotations
M-144	Pre-moulded asphalt filler board	Sqm	
M-145	Pre-packed cement based polymer concrete of strength 45 Mpa at 28 days	kg	Rate as per local competitive quotations
M-146	Primer	kg	As per building SSR
M-147	Quick setting compound	kg	As per local market rate
M-148	Random Rubble Stone	cum	225
M-149	RCC Pipe NP 4 heavy duty non pressure pipe 1000 mm dia	metre	Rate as per PH items
M-150	RCC Pipe NP 4 heavy duty non pressure pipe 1200 mm dia	metre	
M-151	RCC Pipe NP 4 heavy duty non pressure pipe 300 mm dia	metre	
M-152	Reflectorising glass beads	kg	Rate as per local

**Other Dept's Basic Data**

Sl. No.	Description	Unit	S. Rate for 2011-12
1	2	3	4
M-153	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Copper Strips)	metre	competitive quotations
M-154	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Galvanised carbon steel strips)	metre	
M-155	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Glass reinforced polymer/ fiber reinforced polymer/polymeric strips)	metre	
M-156	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Stainless steel strips)	metre	
M-157	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. Aluminum strips)	metre	
M-158	Rivets	each	4
M-159	Sand bags (Cost of sand and Empty cement bag)	No's	17
M-160	Sapling 2 m high 25 mm dia	each	Rate as per local competitive quotations
M-161	Scrap tyres of size 900 x 20	No's	60
M-162	Seeds(Grass)	kg	14
M-163	Selected earth	cum	72
M-164	Separation Membrane of impermeable plastic sheeting 125 micron thick	sqm	Rate as per local competitive quotations
M-165	Sheathing duct	metre	
M-166	Shrubs	each	12
M-167	Sludge / Farm yard manure @ 0.18 cum per 100 sqm at site of work for turfing	cum	Rate as per local competitive quotations
M-168	Sodium vapour lamp	each	As per building SSR
M-169	Square Rubble Coursed Stone	cum	1800
M-170	Steel circular hollow pole of standard specification for street lighting to mount light at 5 m height above deck level	each	Rate to be obtained from Electricity/ Municipal Departments
M-171	Steel circular hollow pole of standard specification for street lighting to mount light at 9 m height above road level	each	
M-172	Steel drum 300 mm dia 1.2 m high/empty bitumen drum	No's	As per local competitive market rate
M-173	Steel helmet and cushion block on top of pile head during driving.	kg	
M-174	Steel pipe 25 mm external dia as per IS:1239	metre	230
M-175	Steel pipe 50 mm external dia as per IS:1239	metre	450
M-176	Steel wire rope 20 mm	kg	150
M-177	Steel wire rope 40 mm	kg	170

**Other Dept's Basic Data**

Sl. No.	Description	Unit	S. Rate for 2011-12
1	2	3	4
M-178	Strip seal expansion joint	metre	Rate as per local competitive quotations
M-179	Structural Steel(HYSD/TMT bars)	tonne	41000
M-180	Super plasticizer admixture IS marked as per 9103-1999	kg	54
M-181	Synthetic Geo grids as per clause 3102.8 and approved design and specifications.	sqm	Rate as per local competitive quotations
M-182	Through and bond stone - (a) 20X20x30 to 45 cm long	each	19
	Through and bond stone - (b) 25X25x45 to 60 cm long	each	32
	Through and bond stone - (c) 30X30x65 to 75 cm long	each	45
M-183	Tie rods 20mm diameter	No's	40
M-184	Tiles size 300 x 300 mm and 25 mm thick	each	As per Building SSR
M-185	Timber	cum	
M-186	Traffic cones with 150 mm reflective sleeve	No's	Rate as per local competitive quotations
M-187	Tube anchorage set complete with bearing plate, permanent wedges etc	No's	
M-188	Un slaked lime	tonne	2050
M-189	Water	KiloLitre	77
M-190	Water based cement paint	litre	As per building SSR
M-191	Welded steel wire fabric	kg	120
M-192	Wire mesh 50mm x 50mm size of 3mm wire	kg	200
M-193	Wooden ballies 2" Dia for bracing	each	As per Building SSR
M-194	Wooden ballies 8" Dia and 9 m long	each	
M-195	Wooden packing	cum	1000
M-196	Wooden staff for fastening of flag 25 mm dia, one m long	each	62
Item 8.3	Printing new letter and figures of any shade (ii) English Roman	per cm height per letter	1.20
Item 8.8	Painting Two Coats on New Concrete Surfaces	sqm	As per Building SSR
Item 8.9	Painting angle iron post two coats	sqm	
<b>New Items</b>			

**Other Dept's Basic Data**

<b>Sl. No.</b>	<b>Description</b>	<b>Unit</b>	<b>S. Rate for 2011-12</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Benching old embankment slopes 0.45 X 0.45 M	RM	3
2	Laying Sand Bags in the stipulated places including cost of empty cement bag, sand, thread, stitching charges and labour charges with 14%overhead charges and contractors profits.	per bag	19
3	Rough stone for revetment 225mm thick (including seigniorage charges)	Cum	140
4	Eradication of Weed growth from Drains, Canals by spraying Chemicals	sqm	1.30
5	Thinner	ltr	115

# **PUBLIC HEALTH ITEMS**

PUBLIC HEALTH ITEMS			
Sl. No.	Description	Unit	SoR for 2011-2012
1	2	3	6
1	<b>RATES OF LABOUR (SKILLED WORKMEN)</b>		
	1. Caulkar	Per Day	As per Labour rates of SoR
	2. Plumber 1st Class	Per Day	
	3. Plumber 2nd Class	Per Day	
	4. Sewer Cleaner	Per Day	
	5. Well Sinker	Per Day	
	6. Pipe line Fitter 1st Class	Per Day	
	7. Pipe line Fitter 2nd Class	Per Day	
	8. Pump Driver	Per Day	
	9. Bore Mechanic	Per Day	
	10. Light Vehicle Driver	Per Day	
	Note:The rate at relevant item in common SoR is applicable for occasional employment.		
2	<b>RATES FOR EARTH WORK :</b>		
a.	Earth work excavation in all soils for pipe lines, for drainage and water supply, where the depth is more than 1.5 times the width.		To follow the relevant items of Irrigation work items as per AP.Standard data
b.	Earth work excavation in all soils for pipe lines, for drainage and water supply, where the depth is less than 1.5 times the width.		
c.	Earth work excavation in all soils for open trenches, for valve pits, inspection chambers, etc.		
3. a.	Excavation of pipe line trenches for drainage and water supply in rock requiring blasting with initial lead and lift including cost of blasting materials where the depth is more than 1.5 times the width, in places where there is no habitation.		To follow the relevant items of Irrigation work items as per AP.Standard data
b.	Excavation of pipe line trenches for drainage and water supply in rock requiring blasting with initial lead and lift including cost of blasting materials where the depth is less than 1.5 times the width, in places where there is no habitation.		
c.	Cutting rock for pipe line trenches by hammers, nuckles and chisels including stacking where the depth is 1.5 times or more than the width.		
d.	Cutting rock for pipe line trenches by hammers, nuckles and chisels including stacking where the depth is less than 1.5 times the width.		To follow the relevant items of Irrigation work items as per AP.Standard data
e.	Cutting rock for works other than pipe lines trenches by hammers, nuckles and chisels including stacking.		
f.	For controlled blasting at restricted places		
	NOTE :- Rock should be measured in solids. In case it is not possible, stacks should be made in which case 40% for voids to be deducted from the stack measurements.		

4	Loading or unloading materials such as C.I. Pipes, PVC Pipes, AC Pressure Pipes, DI Pipes, SW Pipes, PVC Pipes, A.C/Specials less than 300 mm dia upto 4 m in length including stacking.		
a.	C.I. Pipes/D.I. Pipes and fittings	Per Tonne	To follow as per AP.Standard data
b.	A.C. Pipes & Specials	Per Tonne	
c.	Stoneware pipes & Specials	Per Tonne	
d.	P.V.C. Pipes and fittings	Per Tonne	
5	Loading or unloading materials such as C.I. Pipes, DI pipes, SW pipes, AC pressure pipes & fittings/ specials from 300 mm to 600 mm dia upto 4 m in length including stacking.		
a.	C.I. Pipes/D.I. Pipes and fittings	Per Tonne	To follow as per AP. Standard data
b.	A.C. Pipes & Specials	Per Tonne	
c.	Stoneware pipes & Specials	Per Tonne	
6	Loading or unloading materials such as C.I. Pipes, DI pipes, PVC pipes, AC pipes less than 300 mm dia, above 4 m in length including stacking.		
a.	C.I. Pipes/D.I. Pipes and fittings	Per Tonne	To follow as per AP. Standard data
b.	A.C. Pipes & Specials	Per Tonne	
c.	P.V.C. Pipes and fittings	Per Tonne	
7	Loading or unloading materials such as C.I. Pipes, DI pipes, AC pipes from 300 mm to 600 mm above 4 m in length including stacking.		
a.	C.I. Pipes/D.I. Pipes and fittings	Per Tonne	To follow as per AP . Standard data
b.	A.C. Pipes & Specials	Per Tonne	
	Note:- For loading and unloading the above materials at Railway Stations, the rates may be adopted based on the competitive quotations or the hammalae charges if prevailing.		
8. a.	Lowering C.I. / D.I. Pipes (all classes) and specials (fittings) with s/s ends carefully into trenches and laying them true to alignment and gradient including all sundries but excluding cost and conveyance of pipes from source of supply (Ref to specifications. BIS No.3114/1994)		To follow as per AP.Standard data
	DIAMETER OF PIPE/Fittings in mm :		
	80mm to 1000mm dia	Per Metre	
8. b.	Lowering C.I. / D.I. Pipes (all classes) and specials (fittings) with flanged ends carefully into trench and laying them true to alignment and gradient including all sundries but excluding cost and conveyance of pipes from source of supply. (Reference to specifications. BIS No.3114/1994)		To follow as per AP.Standard data
	DIAMETER OF PIPE/Fittings in mm :		
	80mm to 750mm dia		
	800	Per Metre	
	900	Per Metre	
	1000	Per Metre	
9. a.	Jointing CI /DI pipes & fittings with s/s ends including cost of pig lead, hemp yarn and sundries such as cost of fuel for melting lead, filling with water with lead up to 500m and		



	testing to required pressure complete. (Reference to specifications. BIS No.3114/94/12288:1997)		
	DIAMETER OF PIPE/Fittings in mm :		To follow as per AP. Standard data
	80mm to 800mm		
	900	Each Joint	10903.00
	1000	Each Joint	12180.00
9. b.	Jointing C.I., D.I. pipes and fittings with rubber gasket (push-on-joint), excluding the cost of the gasket but including all sundries filling with water, with a water lead up to 500m and testing to required pressure, etc. complete (Reference to specifications IS 3114/1994/12888/1997)		
	DIAMETER OF PIPE/Fittings in mm :		To follow as per AP. Standard data
	80mm to 1000mm dia	Each Joint	
10	Jointing CI pipes, fittings and valves with flanged ends including cost of jointing materials such as bolts, rubber insertion, white lead including filling with water, with lead up to 500 meters and testing to required pressure complete. (Reference to specifications. BIS No.3114/1994.)		
	DIAMETER OF PIPE/Fittings/ valve in mm :		To follow as per AP. Standard data
	80mm to 750mm dia	Each Joint	
	800	Each Joint	4528.00
	900	Each Joint	5325.00
	1000	Each Joint	6133.00
11a	Lowering the RCC plain ended pipes carefully into the trench laying them true to alignment and gradient, jointing RCC pipes with cement joints including curing, the cost of jointing materials i.e., Cement Mortar (1:1.5), hemp yarn etc., and testing including filling with water with a water lead upto 500 metres excluding cost of rubber rings as per BIS No.783/85.		
	per every 25 mm dia.	Per Metre	13.00
11b	Lowering the RCC S/S pipes carefully into the trenches laying them true to alignment and gradient, jointing with rubber rings and testing including filling with water with a water lead upto 500 meters <u>including cost of rubber rings</u> as per BIS No. 783/1985		
	per every 25 mm dia.	Per Metre	To follow as per AP. Standard data
	80mm to 600mm		
	700		219.00
	800		263.00
	900		315.00
	1000		377.00
12	Lowering and Jointing G.I. pipes and specials / fittings including excavation of trench of 0.5m width and 0.50 m depth in all soils except rock requiring blasting and refilling trenches after laying and jointing pipes and also including cost of jointing materials but excluding the cost of pipes. Reference to specifications. BIS No.783/85		
a	G.I. PIPES :		To follow as per AP. Standard data
	DIA in mm		
	15mm to 150mm	Per Metre	

<b>b</b>	Laying, jointing of PVC/HDPE pipes as per BIS No.7634 part-III/75 for PVC and BIS No.7634 part-II/75 for HDPE pipes.		
	DIA in mm		
	50	Per Metre	21.00
	40	Per Metre	21.00
	32	Per Metre	21.00
	25	Per Metre	19.00
	20	Per Metre	18.00
	NOTE :- (i) The above rates are applicable for the works in District only.		
	(ii) If the depth of excavation is more than 0.5 m separate rates to be worked out.		
13	Lowering and laying in ready made trench true to alignment and gradient, jointing, and testing of <u>Stone ware pipes</u> including cost of jointing material such as cement mortar (1:1) proportion and hemp yarn but excluding cost and conveyance of pipe. (Reference to specifications BIS No. 6530/72)		To follow as per AP. Standard data
	<u>DIA of Pipes in mm.</u>		
	100mm to 450mm	Per Metre	
14	Lowering, laying, jointing and testing to hydraulic test pressure including cost of water with minimum water lead of 500m for <u>UPVC pressure pipes</u> in ready made trenches true to alignment and gradient including all sundries but excluding cost & conveyance of pipes from source of supply and jointing materials as per BIS No. 7634 - Part III - 1975		To follow as per AP. Standard data
	DIA of Pipes in mm .		
	63mm to 315mm	Per Metre	
15	Laying and jointing of HDPE pipes by butt fusion welding as per IS:7634 – part-II/1975 as amended from time to time to the alignment and gradient and testing the pipeline to the required pressure.		
	Outer Dia of pipes in MM		
	63	Per Metre	26.00
	75	Per Metre	29.00
	90	Per Metre	33.00
	110	Per Metre	37.00
	125	Per Metre	45.00
	140	Per Metre	48.00
	160	Per Metre	52.00
	180	Per Metre	57.00
	200	Per Metre	62.00
	225	Per Metre	68.00
	250	Per Metre	73.00
	280	Per Metre	80.00
	315	Per Metre	144.00
	355	Per Metre	160.00

	400	Per Metre	178.00
	450	Per Metre	198.00
	NOTE:- For item 9 to 15 the element of testing charges is to be considered as 20% of the combined rate for laying, jointing and testing. This 20% shall be released only after satisfactory testing of the pipe line to the required pressure.		
16	Lowering, keeping in position and fixing C.I. sluice valves (with cap / with hand wheel & Reflex valves) excluding cost of bolts, nuts, rubber insertion, sluice valve and tail pieces		
	<u>Dia of Valve in mm.</u>		To follow as per AP. Standard data
	80mm to 450mm	Each	
17	Labour charges for fixing <u>Air valves</u> including boring the mains and threading the bore fixing nipple etc., complete.		
	<u>Dia of Air valve in mm.</u>		
	25	Each	To follow as per AP. Standard data
	40	Each	
	50	Each	113.00
	65	Each	120.00
	80	Each	131.00
	100	Each	154.00
	125	Each	240.00
	150	Each	263.00
18	Labour charges for fixing Kinetic Air Valves with isolating Sluice valves, Double Air valves/ Air Cushion valve excluding cost of jointing materials such as bolts, nuts and rubber insertions etc., complete.		
	<u>Dia of Air valve in mm.</u>		
	25	Each	106.00
	40	Each	121.00
	50(Double Air valves)	Each	128.00
	65	Each	137.00
	80	Each	150.00
	100	Each	175.00
	125	Each	274.00
	150	Each	299.00
19	Providing and fixing spindle fire hydrant with 65 mm outlet. Complete with bolts, nuts, and rubber insertion etc. complete but excluding cost of Materials.		
	65 mm	Each	To follow as per AP. Standard data
	80 mm	Each	
20	Uprooting C.I./ DI Pipes by melting the lead, loosening the joints, scraping the pipes, hoisting and keeping within a lead of 10 m but excluding earth work excavation and refilling.		To follow as per AP. Standard data
	80mm to 600mm	Per Metre	
21	Uprooting of RCC pipes including breaking the collars, loosening the joint, separating the pipes, hoisting and keeping within a lead of 10 m but excluding earthwork excavation and	Per Metre	To follow as per AP. Standard data

	refilling.		
	100mm to 300mm		
22	Removing old G.I.pipes and specials / fittings and cleaning, scraping the pipes, hoisting and keeping with in 50m lead but excluding earth work excavation of trenches and refilling.		To follow as per AP. Standard data
	<u>Dia of Pipes in mm</u>		
	15mm to 50mm	Per Metre	
23	Cutting C.I./ DI Pipes without water in mains.Dia of pipes in mm.		
	<u>Dia of Pipes in mm</u>		
	80mm to 600mm	Each cut	To follow as per AP.Standard data
	680	Each cut	332.00
24	Cutting A.C. Pipes without water in mains.Dia of pipes in mm.		
	<u>Dia of Pipes in mm</u>		
	80	Each cut	21.00
	100	Each cut	21.00
	125	Each cut	21.00
	150	Each cut	21.00
	200	Each cut	22.00
	250	Each cut	35.00
	300	Each cut	35.00
	350	Each cut	44.00
	400	Each cut	48.00
	450	Each cut	60.00
	500	Each cut	67.00
	600	Each cut	74.00
25	Drilling and tapping CI/ DI / GI Main and fixing brass screw down ferrule and plug.		
	10 mm to 20mm	Each Tapping	To follow as per AP. Standard data
	25 mm to 40mm	Each Tapping	
26	Cutting road surface including stacking of excavated materials for pipe line trench work.		
	a) Cutting open B.T. road surface (as well as asphalt concrete upto 75 mm thick) including water bound macadam	10 Sqm	428.00
	b) Cutting open C.C. road surface	1 Cum	1190.00
	c) Cutting open water bound macadam road including soiling	1 Cum	146.00
27	Bailing out water.(For PH item)		
	a) Bailing out water from the pipe line trenches with oil engine driven pumpsets, including hire charges, fuel charges and wages for Driver and Helper.	HP/Hour	33.00
	b) Bailing out water from the pipe line trenches with Electric Driven pumpset including hire charges, current charges and wages for Driver and Helper.	HP/Hour	24.00
	NOTE:- The rate is payable on the total H.P. hours ignoring fractions less than 0.5 HP hour and rounding off 0.5 HP hour or more to the next higher integer.		

28	Shoring and strutting of trenches for water and sewer main.		
	a) Single Staging from (0 to 2.5 Mts.)	10 Sqm of Shoring area	To follow as per AP. Standard data
	b) Double staging from (2.5 m to 4.5 Mts.)	10 Sqm of Shoring area	
29	Barricading, hoarding, lighting and watching etc., for water supply and sewerage works for trenches.	10 RMT	To follow as per AP. Standard data
30	Excavation of trenches for infiltration galleries, syphon lines and connecting mains in all soils under water including all leads, lifts, shoring, strutting, bailing out water and removal of shoring and strutting materials, after completion of pipe line work.		
	a) 0 to 1 m deep under water.	10 Cum	8350.00
	b) 1 to 2 m deep under water.	10 Cum	11961.00
	c) 2 to 5 m deep under water.	10 Cum	17954.00
	d) Beyond 5 m deep under water for every additional 1 m depth over item 'c'	10 Cum	3430.00
	NOTE:- The above rates do not include rock requiring blasting or chiselling		
31	Laying and jointing perforated RCC pipes inclusive of bailing out water and jointing with cement fillets and all other incidental charges for infiltration gallery inclusive of bailing out water by pumping to keep the trench reasonably dry to facilitate the work excluding cost of perforated pipes and collars.		
	per every 25 mm dia.	Per Metre	26.00
32	Centring and scaffolding charges for RCC members including all materials and labour charges for forming and dismantling.		
a)	for R C C Elevated Service Reservoir of staging up to 15 metre below L W L.		
	1) Slabs for thickness (150 mm to 300 mm)	One Sqm of Centering area	2130.00
	2) Slabs for thickness above (300 mm)		4258.00
	3) Side walls curved surfaces.		1609.00
	4) Side wall straight surfaces.		1432.00
	5) Dome.		1744.00
	6) Roof Slab.		1074.00
	7) Column footing.		1174.00
	8) Column braces and beams		718.00
	9) Circular braces, ring beams & circular column.		787.00
	Note:- For RCC ELSR of staging above 15 m, the % increase in these rates shall be as follows. 15-18 m ---- 9% 18-21m --- 15% 21-24 m --- 21% 24 m -27m --27% above 27m --- 30%		
b)	For Ground level works :-		To follow as per AP.

	1) Slabs	1 Sqm	Standard data
	2) Beams & Lintels	1 Sqm	
	3) Sun shades	1 Sqm	
	4) RCC vertical walls of plane surface upto 3 m height such as ground level tanks clarifiers and sludge digesters etc.	1 Sqm	629.00
	5) RCC vertical walls of circular faces upto 3 m height.	1 Sqm	802.00
	NOTE: Scaffolding for every extra height of 1 m or part thereof but not less than 0.5 m.	10 Sqm	
33	Lift or delift of materials :		
	a) Lifting of cement concrete for RCC elevated reservoir. For every 3 m height or part thereof over the initial lift of 5 m	1 Cum	96.00
	b) Delifting the materials such as stones, concrete etc., for concrete below ground level for construction of masonry ground level reservoirs, construction of masonry ground level reservoirs, inspection wells, test wells and sump wells etc., for every 2 m depth or part thereof beyond the initial depth of 4 meters from ground level.	1 Cum	29.00
34	Labour charges for fixing ventilating shafts complete with all accessories.	Each	To follow as per AP. Standard data
35	Labour charges for fixing water closets including fixing of foot rests (for all sizes).	Each	Relevant Building SSR items.
36	Labour charges for fixing of flushing cistern including fixing of flush pipes, lead pipe, jointing etc., complete	Each	
37	Labour charges for fixing wash hand basin including fixing of inlet and waste pipe connections etc., complete	Each	
38	Fixing urinal with inlet and waste pipe connections etc., complete.	Each	
39	Refilling the trench for pipe line with excavated earth including watering and tamping etc., complete	10 Cum	
40 a)	Extra allowance for isolated scattered works viz., valve pits / chambers, public fountains, meter pits and manholes, delivery cistern etc., complete.	Each	25% extra over the cost of chamber.
b)	Repairs to the existing mains, interconnections, replacement of valves/specials etc., including the cutting, jointing, bailing out of water, drying, earth work excavation etc., complete.		100% extra over the cost of work
41	Removal of wet silt and sludge from sullage drains with aid of baskets and vessels.	10 Cum	1146.00
42	Well sinking in sandy and other loose soils under water either by manual labour, divers, or dredgers, weighting the top of staining to assist sinking etc., including dewatering and other incidental charges such as hire charges for mechanical equipment etc		
	Upto 2 m below GL/m	Per metre	To adopt as per AP. Standard data
	From 2 to 4 m below GL/m	Per metre	
	From 4 to 6 m below GL/m	Per metre	
	From 6 to 8 m below GL/m	Per metre	
	From 8 to 10 m below GL/m	Per metre	
	Note:-Below 10 m for every metre depth or part thereof add Rs.250/- per m. For higher dia, observed data is to be prepared and got approved.		
43	Sinking in Hard strata other than rock but in soils like limestone, gravel, clay under water including, pumping dewatering, hire charges for mechanical equipment etc.,		Observed Data

	complete.		
44	Rates for OHSRs/ELSRs including fixtures with a staging of 15 m, without Seismic analysis.		
a	500 Kilo litres	Per litre	10.90
b	1000 Kilo litres	Per litre	9.89
c	1500 Kilo litres	Per litre	9.32
d	2000 Kilo litres	Per litre	8.93
e	2500 Kilo litres	Per litre	8.47
	NOTE: -1)For intermediate ranges proportional rates may be adopted.2) The above rates are applicable for Elevated Level Services Reservoirs / OHSRs with RAFT FOUNDATION and a rate of <u>Rs.5,500/-</u> per tonne for cement and <u>Rs.41,000/-</u> per tonne for steel.		
	2) For stagings less than 15 m, the rate shall be reduced by Rs.0.02 paise per litre per every metre of difference in staging.		
	3) For stagings above 15 m, the rate shall be increased by Rs.0.05 paise per litre per every metre of additional staging.		
	4) The above rates shall be increased / decreased due to increase/decrease in the cost of cement by Basic rate x (Rc-5500) x 0.00007 Rc = Rate of cement (Rs per Mt) at this time of preparation of estimate.		
	5) The above rates shall be increased / decreased due to increase/decrease in the cost of Steel by Basic rate x (RS-41,000) x 0.00002 Rs = Rate of steel (Rs per Mt) at this time of preparation of estimate.		
	6) Rate inclusive of three coats of epoxy paint to inner surface of the reservoir including roof dome.		
	7) The above rates be adopted for estimate purposes for construction of ELSR for a finished work including 2 coats of wheather proof emulsion painting for external surfaces, lettering, all required fixtures, pipes, bends, valves etc., for pipe connections but excluding cost of pipes,bends and valves as per departmental designs and drawings.		
	8) The above rates are applicable for wind pressure upto 350 kg / sq m for every 100 kg/sqm decrease in wind pressure, the rate is to be decreased by 5%		
	9) For tribal/Agency / Rural area, the above rates shall be increased by 10%		
	10) If the ELSR is to be designed for seismic forces a) The above rates are applied upto Zone-II earth quake. b) for Zone-III earth quake the above rates are to be increased by 33 1/3% .		
	11) <u>Fixtures include.</u>		
	a) A balcony of 1.00 m width at floor slab level/ middle ring beam level / top ring beam level with RCC post with GI pipe hand railing.		
	b) C.I. Manhole frame and cover : 0.60 x 0.6 m size 2 Nos.		
	c) RCC Mosquito proof ventilators.		
	d) RCC Finial - 1 No.		
	e) RCC precast ladders 0.45 m wide - 2 Nos.		
	f) RCC dog legged stair case of 1.00 m width with hand railing		

	- 1 No.		
	g) RCC hand railing 0.75 m height alround at floor level and roof level.		
	h) Water level indicator of approved pattern - 1 No.		
	i) Lightening arrestor with all its accessories complete including earthing - 1 No.		
	j) Construction of R.C.C valve chambers		
	k) For 1000KL and above minimum of two rows of columns shall be provided.		
45	Rates for OHSRs/ELSRs including fixtures with a staging of 10 m without Seismic analysis.		
a	Upto 10,000 Litres capacity	Per litre	46.13
b	15,000 Litres capacity	Per litre	31.73
c	20,000 Litres capacity	Per litre	31.17
d	40,000 Litres capacity	Per litre	27.60
e	60,000 Litres capacity	Per litre	20.94
f	1,00,000 Litres capacity	Per litre	19.33
g	2,00,000 Litres capacity	Per litre	16.92
h	3,00,000 Litres capacity	Per litre	15.87
i	4,00,000 Litres capacity	Per litre	14.00
j	4,50,000 Litres capacity	Per litre	12.13
	NOTE: -1) For intermediate ranges proportional rates may be adopted 2)The above rates are applicable for Elevated Level Services Reservoirs / OHSRs with RAFT FOUNDATION and a rate of <u>Rs.5,500/-</u> per tonne for cement and <u>Rs.41,000/-</u> per tonne for steel. The Structure is M30 Grade concrete.		
	2) For every metre of staging less than 10 m, the rate shall be reduced by Rs.0.02 paise per litre.		
	3) For every metre of staging above 10 m, the rate shall be increased by Rs.0.05 paise per litre.		
	4) The above rates shall be increased / decreased due to increase/decrease in the cost of cement by Basic rate x (Rs - 5500) x 0.00007 Rc = Rate of cement (Rs per Mt) at the time of preparation of estimate.		
	5)The above rates shall be increased / decreased due to increase/decrease in the cost of Steel by Basic rate x (RS - 41,000) x 0.00002 Rs = Rate of steel (Rs per Mt) at this time of preparation of estimate.		
	6) Rate inclusive of three coats of epoxy paint to inner surface of the reservoir including roof dome.		
	7) The above rates be adopted for estimate purposes for construction of ELSR for a finished work including 2 coats of weather proof emulsion painting for external surfaces, lettering, all required fixtures, pipes, bends, valves etc., for pipe connections but excluding cost of pipes, bends and valves as per departmental designs and drawings.		
	8) The above rates applicable for wind pressures up to 350 kg / sq m for decrease in wind pressure the rate has to be decreased by 5% per every 100kg/sqm. If the ELSR / OHSR is to be designed for seismic forces also, cost shall be arrived by		



	working out detailed quantities based on the designs.		
	9) For Tribal/Agency/ Rural area, the above rates shall be increased by 10%		
	10) If the ELSR is to be designed for seismic forces a) The above rates are applied up to Zone-II earth quake. b) for Zone-III earth quake the above rates are to be increased by 33 1/3% .		
	11) <u>Fixtures include :</u>		
	a) RCC or Aluminium ladder inside 0.45 m wide.		
	b) Spiral staircase on the outside.		
	c) Lightening arrestor, including conductor and earthing etc.		
	d) RCC ventilators with copper or stainless steel fly proof mesh.		
	e) RCC finial ventilators with copper or stainless steel fly proof mesh		
	f) Manholes frame and cover 0.75x0.75 m with frame as per IS specifications (light duty) – 2 Nos		
	g) Railing with 32 mm dia G.I. Pipes (A class) in two rows around OHSR fixed in RCC (1:2:4) posts of size 100x75x75 mm with 1.5 m intervals around periphery on top of the OHSR for smaller capacities.		
	h) Water level indicator of good quality with ebonite/ copper float approved pattern- 1 No		
	i) The ladder shall be with M.S ladder and Verticals with HDPE of 10kg/Sqcm shall be provided .		
46	Construction of Rapid Gravity Filtration Plant including civil, mechanical and electrical fully automation including trial running etc., complete.		
	1) 2.0 Mld	Per litre	2.77
	2) 5.0 Mld	Per litre	2.54
	3) 10.0 Mld	Per litre	2.29
	4) 20.0 Mld	Per litre	2.05
	5) 30.00 mld and above	Per litre	1.80
	NOTE :-		
	a) For intermediate ranges proportional rates may be adopted		
	b) The above rates are applicable with cement @ rate of Rs.5,500/-MT and steel of 41,000/MT.		
	c) The above rates shall be increased / decreased due to increase/decrease in the cost of Cement by Basic rate xRc - 5,500) x 0.00007 Rc = Rate of cement (Rs per MT) at the time of preparation of estimate.		
	d) The above rates shall be increased / decreased due to increase/decrease in the cost of Steel by Basic rate x (RS - 41,000) x 0.00002 Rs = Rate of steel (Rs per MT) at the time of preparation of estimate.		
	e) For rural areas an extra allowance of 10% shall be given on basic rate.		
	f) In case of raft foundation, additional cost involved due to provision of raft foundation shall be worked out and paid extra.		
	g) For intermediate ranges proportional rates may be adopted		
	h) <u>The components of the Filtration Plant are as follows.</u>		

A)	<b><u>Civil Works:</u></b> (all works of VRCC shall be in M30 design mix).		
	1) Stilling chamber .		
	2) Ventury flume channel with measuring devices		
	3) Flash mixer chamber		
	4) Tube settler & flocculation tanks.		
	5) Filter house, chemical house, Alum store, laboratory office room chlorination plant room, toilet etc. (All items shall be under RCC roof only ). Separate Isolated chemical house & chlorinator room for treatment 15.00 mld & above. For more than 5mld separate Chemical house has to be provided.		
	6) Wash water tank of suitable capacity.		
	7) All the doors and windows are of aluminium make		
	8) All pipes and valves in filter beds are of D.I. make & connection from Flash mixer to Tube settler / Flocculation tank, sludge disposal pipes are of C.I. make.		
	9) The bottom level of the clear water control chamber must be above G.L so as to dispose the leakage water by gravity.		
	10) Clarifluculator bridge including sludge srcapping arrangement shall be with stainless steel of Grade 304 for chemical resistance and durability.		
B)	<b><u>Mechanical Equipment</u></b>		
	1) Alum dosing equipment		
	2) Flash mixer equipment.		
	3) Sludge disposal fittings by gravity		
	4) Filtration plant equipment instrumentation and piping.		
	5) Clariflocculation equipment (with stainless steel blades) with rotating bridge arrangement etc.,		
	6) Wash water tank fittings and pump sets with 100% stand by.		
	7) Air blower with motor 100% stand by and pipe connections.		
	8) Chlorination equipment and pipe connections with chlorinator of 100% standby, Vacuum feed Gas Chlorination has to provided.		
	9) Spares & Tools for 2 years		
	10) Gaseous Chlorination with cylinders has to provided.		
C)	<b><u>Electrical Equipment</u></b>		
	1) Necessary power supply wiring to motors and switches bus bar connections as per I.E. Rules		
	2) Internal wiring and illumination and fittings and fixtures for internal and external lighting exhaust fans, ceiling fans etc.		
	3) Erecting mechanical & Electrical equipment, trial run for 90 days 23.50 hours per day testing the treated water for efficient standards and maintenance of records and imparting training to staff.		
	4) Supply of 6 - sets of completion plans and maintenance manual and brochures.		
	5) Provision towards soil investigation.		
D)	<b><u>Automation for flow measurements</u></b>		

	1)Automated Lab testing equipment of internationally reputed make and consumables for one year. For filtration plants of capacity 10 MLD and more automated online testing equipment shall be installed.		
	2) Automation for flow of Conductivity, Turbidity, Ph value, Residual Chlorine with recording & Storage facility (Computer based) & Alarm by SMS or other methods.		
	3)Off - Site Supervisory and Data Accusation (OSSADA) system for Raw water and clear water measuring, recording, Off-Site Digital Display and data Transmission to Cell Phone(SMS).		
<b>Note :</b>	1) Alum tanks must be bound with corrosion resistant material (HDPE Lining, Bitumen Coating, tiles etc)		
	2) Mechanical equipment for alum mixing and in flocculation tank must be corrosive resistant (due to Alum)		

## 1. S.S.RATES FOR R.C.C. PLAIN ENDED PIPES

Sl. No.	Description				
<b>1</b>	<b>2</b>				
<b>1</b>	<b>MANUFACTURE, SUPPLY AND DELIVERY OF R.C.C. PLAIN ENDED PIPES CONFORMING TO B.I.S. 458/2003 , EX-FACTORY, EXCLUDING TRANSPORTATION, TAXES &amp; DUTIES</b>				
	<b>Size</b>	<b>Unit</b>	<b>SoR For 2011-12</b>		
			<b>NP - 2 Class</b>	<b>NP - 3 Class</b>	<b>NP - 4 Class</b>
	80 mm dia	Metre	<b>124.00</b>		
	100 mm dia	Metre	<b>144.00</b>		
	150 mm dia	Metre	<b>171.00</b>		
	200 mm dia	Metre	<b>204.00</b>		
	225 mm dia	Metre	<b>222.00</b>		
	250 mm dia	Metre	<b>237.00</b>		
	300 mm dia	Metre	<b>341.00</b>	<b>765.00</b>	<b>781.00</b>
	350 mm dia	Metre	<b>424.00</b>	<b>966.00</b>	<b>984.00</b>
	400 mm dia	Metre	<b>488.00</b>	<b>1069.00</b>	<b>1090.00</b>
	450 mm dia	Metre	<b>599.00</b>	<b>1221.00</b>	<b>1232.00</b>
	500 mm dia	Metre	<b>657.00</b>	<b>1325.00</b>	<b>1512.00</b>
	600 mm dia	Metre	<b>975.00</b>	<b>1983.00</b>	<b>2329.00</b>
	700 mm dia	Metre	<b>1248.00</b>	<b>2453.00</b>	<b>3101.00</b>

	800 mm dia	Metre	<b>1528.00</b>	<b>3235.00</b>	<b>4042.00</b>
	900 mm dia	Metre	<b>1912.00</b>	<b>4049.00</b>	<b>5026.00</b>
	1000 mm dia	Metre	<b>2318.00</b>	<b>5041.00</b>	<b>6859.00</b>
	1100 mm dia	Metre	<b>2772.00</b>	<b>5923.00</b>	<b>7933.00</b>
	1200 mm dia	Metre	<b>3300.00</b>	<b>6965.00</b>	<b>9264.00</b>
	1400 mm dia	Metre	<b>4479.00</b>	<b>8998.00</b>	<b>12784.00</b>
	1600 mm dia	Metre	<b>5194.00</b>	<b>11627.00</b>	<b>15332.00</b>
	1800 mm dia	Metre	<b>6805.00</b>	<b>15357.00</b>	<b>20492.00</b>

**Note :** All the prices are ex-works. Excise duty, CST/VAT extra as applicable at the time of supply.

The above rates of RCC Plain ended pipes are based on the following raw materials cost.

Cement. Rs.5,500/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.39,000/- per MT. (including all taxes and freight).

The revised cost of RCC pipes due to increase / decrease in the cost of raw materials shall be as per the following formula.

**Revised Cost = Cost as per the above table + R1 + R2**

**R1 = Variation (increase / decrease ) in cost (Rs. per metre ) due to change in the cost of M.S. Rods =  $(S2-S1)/1000 \times Ws$ .**

**R2 = Variation (increase / decrease ) in cost (Rs. per metre ) due to change in the cost of Cement =  $(C2-C1)/1000 \times Wc$ .**

**S1 = Rs. 39,000/- , S2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.**

**C1 = Rs. 5,500/- C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.**

**Ws = Weight of MS Rods required (Kg.) per metre of pipe as per IS:458/2003.**

**Wc = Weight of Cement required (Kg.) per metre of pipe.**

## 2. S.S.RATES FOR R.C.C. COLLARS

Sl.No.	Description				
1	2				
1	MANUFACTURE, SUPPLY AND DELIVERY OF R.C.C. COLLARS CONFORMING TO B.I.S. 458/2003 (RATE PER EACH COLLAR) SUITABLE FOR R.C.C. PLAIN ENDED PIPES INCLUDING TRANSPORTATION BUT EXCLUDING TAXES & DUTIES				
	Size	Unit	SoR For 2011-12		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Each	37.00		
	100 mm dia	Each	39.00		
	150 mm dia	Each	41.00		
	200 mm dia	Each	54.00		
	225 mm dia	Each	58.00		
	250 mm dia	Each	64.00		
	300 mm dia	Each	84.00	121.00	121.00
	350 mm dia	Each	104.00	149.00	149.00
	400 mm dia	Each	114.00	169.00	169.00
	450 mm dia	Each	180.00	226.00	226.00
	500 mm dia	Each	205.00	270.00	270.00
	600 mm dia	Each	277.00	353.00	353.00
	700 mm dia	Each	359.00	473.00	473.00
	800 mm dia	Each	504.00	600.00	600.00
	900 mm dia	Each	604.00	701.00	701.00
	1000 mm dia	Each	707.00	876.00	876.00
	1100 mm dia	Each	864.00	1106.00	1106.00
	1200 mm dia	Each	1048.00	1385.00	1385.00
	1400 mm dia	Each	1354.00	1753.00	1753.00
	1600 mm dia	Each	1725.00	2245.00	2245.00
	1800 mm dia	Each	1792.00	2888.00	2888.00

Note: Excise duty, CST/VAT extra as applicable at the time of supply.

The above rates of RCC Collars suitable to plain ended pipes are based on the following raw materials cost.

Cement. Rs.5,500/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.39,000/- per MT. (including all taxes and freight).

The revised cost of RCC collars due to increase / decrease in the cost of raw materials shall be as per the following formula.

Revised Cost = Cost as per the above table + R1 + R2

R1 = Variation (increase / decrease) in cost (Rs. per each) due to change in the cost of M.S. Roads =  $(S2 - S1) / 1000 \times Ws$ .

R2 = Variation (increase / decrease) in cost (Rs. per each) due to change in the cost of Cement =  $(C2 - C1) / 1000 \times Wc$ .

S1 = Rs. 39,000/- , S2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of

estimate.

C1 = Rs. 5,500/-, C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

Ws=Weight of MS Rods required (Kg.) per each collar.

Wc= Weight of

Cement required (Kg.) per each collar.

### 3. S.S.RATES FOR R.C.C. S/S PIPES (Non Pressure)

Sl. No.	Description				
1	2				
1	MANUFACTURE, SUPPLY AND DELIVERY OF R.C.C. SOCKET AND SPIGOT PIPES CONFORMING TO B.I.S. 458/2003 AT EX-FACTORY (RATE PER METER OF EFFECTIVE LENGTH) EXCLUDING TRANSPORTATION, TAXES & DUTIES.				
	Size	Unit	SoR For 2011-12		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Metre	152.00		
	100 mm dia	Metre	173.00		
	150 mm dia	Metre	204.00		
	200 mm dia	Metre	250.00		
	225 mm dia	Metre	273.00		
	250 mm dia	Metre	292.00		
	300 mm dia	Metre	411.00	973.00	1030.00
	350 mm dia	Metre	526.00	1266.00	1287.00
	400 mm dia	Metre	582.00	1403.00	1427.00
	450 mm dia	Metre	724.00	1549.00	1561.00
	500 mm dia	Metre	832.00	1767.00	1911.00
	600 mm dia	Metre	1176.00	2473.00	2530.00
	700 mm dia	Metre	1524.00	3141.00	3268.00
	800 mm dia	Metre	1944.00	4149.00	4261.00
	900 mm dia	Metre	2443.00	5200.00	5345.00
	1000 mm dia	Metre	2958.00	5906.00	6375.00
	1100 mm dia	Metre	3496.00	6944.00	7345.00
	1200 mm dia	Metre	3967.00	8179.00	8585.00
	1400 mm dia	Metre	5620.00	10826.00	12133.00
	1600 mm dia	Metre	6946.00	13997.00	14562.00
	1800 mm dia	Metre	7834.00	18488.00	19459.00

Note: All the prices are ex-works, Excise duty, CST/VAT extra as applicable at the time of supply. The above rates of RCC S/S Non-Pressure pipes are based on the following raw materials cost.

Cement. Rs.5,500/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.39,000/- per MT. (including all taxes and freight).

The revised cost of RCC pipes due to increase / decrease in the cost of raw materials shall be as per the following formula.

Revised Cost = Cost as per the above table + R1 + R2     -R1= Variation (increase / decrease ) in cost (Rs. per metre ) due to change in the cost of M.S. Roads = (S2-S1)/1000 X Ws.

R2= Variation (increase / decrease ) in cost (Rs. per metre )due to change in the cost of Cement  $= (C2-C1)/1000 \times Wc$  . -  
 S1 = Rs. 39,000/- , S2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.- C1 = Rs. 5,500/- , C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate  
 Ws=Weight of MS Rods required (Kg.) per metre of pipe  
 Wc= Weight of Cement required (Kg.) per metre of pipe.

#### 4. S.S.RATES FOR R.C.C. S/S PIPES (Pressure)

Sl.No.	Description				
1	2				
1	MANUFACTURE, SUPPLY AND DELIVERY OF R.C.C. SOCKET AND SPIGOT PIPES CONFORMING TO B.I.S. 458/2003 EX-FACTORY (RATE PER METER OF EFFECTIVE LENGTH) EXCLUDING TRANSPORTATION,TAXES & DUTIES.				
	Size	Unit	SoR For 2011-12		
			P1 - Class	P2 - Class	P3 - Class
	80 mm dia	Metre	200.00	224.00	253.00
	100 mm dia	Metre	226.00	268.00	309.00
	150 mm dia	Metre	312.00	399.00	489.00
	200 mm dia	Metre	363.00	518.00	682.00
	225 mm dia	Metre	409.00	589.00	760.00
	250 mm dia	Metre	448.00	630.00	799.00
	300 mm dia	Metre	605.00	911.00	1132.00
	350 mm dia	Metre	753.00	1263.00	1633.00
	400 mm dia	Metre	892.00	1670.00	2151.00
	450 mm dia	Metre	960.00	1976.00	2656.00
	500 mm dia	Metre	1267.00	2156.00	3025.00
	600 mm dia	Metre	1735.00	3209.00	4207.00
	700 mm dia	Metre	2299.00	4222.00	5361.00
	800 mm dia	Metre	2881.00	5039.00	6505.00
	900 mm dia	Metre	3481.00	5946.00	
	1000 mm dia	Metre	4362.00	6848.00	
	1100 mm dia	Metre	5224.00		
	1200 mm dia	Metre	6160.00		

Note: All the prices are ex-works, Excise duty, CST/VAT extra as applicable at the time of supply.

The above rates of RCC S/S Pressure pipes are based on the following raw materials cost.

Cement. Rs.5,500/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.39,000/- per MT. (including all taxes and freight).

The revised cost of RCC pipes due to increase / decrease in the cost of raw materials shall be as per the following formula.

Revised Cost =Cost as per the above table +R1+R2

R1= Variation (increase /

decrease ) in cost (Rs. per metre )due to change in the cost of M.S. Roads  $= (S2-S1)/1000 \times Ws$ .

R2= Variation (increase / decrease ) in cost (Rs. per metre )due to change in the cost of Cement  $= (C2-C1)/1000 \times Wc$ .

S1 = Rs. 39,000/-

S2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 5,500/-, C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate  
Ws=Weight of MS Rods required (Kg.) per metre of pipe  
as per IS:458/2003.

Wc= Weight of Cement required (Kg.) per metre of pipe.

**5. S.S. RATES FOR RUBBER RINGS TO SUIT R.C.C. S/S PIPES**

Sl. No.	Description				
1	2				
1	MANUFACTURE, SUPPLY AND DELIVERY OF RUBBER RINGS TO SUIT R.C.C. SOCKET AND SPIGOT PIPES CONFORMING TO B.I.S. 5382/ 1985 (RATE PER EACH RUBBER RING) INCLUDING TRANSPORTATION BUT EXCLUDING TAXES & DUTIES.				
	Size	Unit	SoR For 2011-12		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Each	20.00		
	100 mm dia	Each	24.00		
	150 mm dia	Each	43.00		
	200 mm dia	Each	50.00		
	225 mm dia	Each	55.00		
	250 mm dia	Each	62.00		
	300 mm dia	Each	76.00	97.00	97.00
	350 mm dia	Each	87.00	116.00	116.00
	400 mm dia	Each	96.00	132.00	132.00
	450 mm dia	Each	110.00	150.00	150.00
	500 mm dia	Each	144.00	172.00	172.00
	600 mm dia	Each	188.00	250.00	250.00
	700 mm dia	Each	256.00	299.00	299.00
	800 mm dia	Each	325.00	363.00	363.00
	900 mm dia	Each	407.00	491.00	491.00
	1000 mm dia	Each	476.00	592.00	592.00
	1100 mm dia	Each	573.00	758.00	758.00
	1200 mm dia	Each	916.00	953.00	953.00
	1400 mm dia	Each	1008.00	1048.00	1048.00
	1600 mm dia	Each	1255.00	1279.00	1279.00
	1800 mm dia	Each	1564.00	1634.00	1634.00
2	MANUFACTURE, SUPPLY AND DELIVERY OF RUBBER RINGS TO SUIT R.C.C. SOCKET AND SPIGOT PIPES CONFORMING TO B.I.S. 5382/ 1985 (RATE PER EACH RUBBER RING) INCLUDING TRANSPORTATION BUT EXCLUDING TAXES & DUTIES.				
	Size		P1 - Class	P2 - Class	P3 - Class
	80 mm dia	Each	20.00	20.00	20.00
	100 mm dia	Each	24.00	25.00	25.00
	150 mm dia	Each	43.00	43.00	43.00
	200 mm dia	Each	50.00	50.00	50.00



	225 mm dia	Each	55.00	56.00	58.00
	250 mm dia	Each	62.00	64.00	65.00
	300 mm dia	Each	76.00	80.00	84.00
	350 mm dia	Each	87.00	101.00	110.00
	400 mm dia	Each	96.00	132.00	135.00
	<b>Size</b>		<b>P1 - Class</b>	<b>P2 - Class</b>	<b>P3 - Class</b>
	450 mm dia	Each	110.00	152.00	155.00
	500 mm dia	Each	144.00	172.00	179.00
	600 mm dia	Each	188.00	213.00	216.00
	700 mm dia	Each	256.00	281.00	299.00
	800 mm dia	Each	325.00	359.00	359.00
	900 mm dia	Each	407.00	454.00	
	1000 mm dia	Each	476.00	548.00	
	1100 mm dia	Each	573.00		
	1200 mm dia	Each	916.00		

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

#### 6. S.S. RATES FOR CONVEYANCE OF R.C.C. PLAIN ENDED PIPES

Sl.No.	Description	Rate upto 5 Kms Lead including Loading, unloading and stacking	Rate for every additional 1 KM lead or part thereof.	Rate upto 5 Kms Lead including Loading, unloading and stacking	Rate for every additional 1 KM lead or part thereof.
1	2	3	4	5	6
1	<b>CONVEYANCE OF R.C.C. PLAIN ENDED PIPES ON ALL WEATHER ROADS INCLUDING LOADING, UNLOADING AND STACKING (per Metre)</b>				
		<b>NP - 2 Class</b>		<b>NP - 3 Class &amp; NP - 4 Class</b>	
	80 mm dia	2.40	0.10		
	100 mm dia	2.90	0.10		
	150 mm dia	4.30	0.20		
	200 mm dia	5.60	0.20		
	225 mm dia	6.50	0.30		
	250 mm dia	7.50	0.30		
	300 mm dia	11.10	0.40	29.30	0.80
	350 mm dia	14.50	0.90	31.60	0.90
	400 mm dia	16.80	1.00	37.30	1.20
	450 mm dia	21.30	1.20	40.90	1.40
	500 mm dia	23.20	1.40	44.80	1.40
	600 mm dia	33.60	2.20	67.00	3.10
	700 mm dia	42.80	3.10	74.50	3.60
	800 mm dia	50.40	3.10	89.30	3.60
	900 mm dia	57.80	3.10	117.30	6.80
	1000 mm dia	85.70	6.40	141.60	6.80
	1100 mm dia	94.10	6.40	152.60	7.40
	1200 mm dia	106.20	6.80	171.30	7.40
	1400 mm dia	128.50	6.80	232.80	7.70

	1600 mm dia	148.90	6.80	279.30	7.70
	1800 mm dia	171.30	6.80	372.40	10.80

## 7. S.S. RATES FOR CONVEYANCE OF R.C.C. S/S PIPES

Sl.No.	Description	Rate upto 5 Kms Lead including Loading, unloading & stacking	Rate for every additional 1 KM lead or part thereof.	Rate upto 5 Kms Lead including Loading, unloading and stacking	Rate for every additional 1 KM lead or part thereof.
1	2	3	4	5	6
1	<b>CONVEYANCE OF R.C.C. SOCKET AND SPIGOT PIPES ON ALL WEATHER ROADS INCLUDING LOADING, UNLOADING AND STACKING (per Metre of effective length)</b>				
	<b>Size</b>	<b>NP - 2 &amp; P1 Class</b>		<b>NP – 3 &amp; NP - 4 Class</b>	
	80 mm dia	3.10	0.10		
	100 mm dia	3.50	0.20		
	150 mm dia	5.00	0.20		
	200 mm dia	6.40	0.40		
	225 mm dia	7.60	0.40		
	250 mm dia	8.50	0.80		
	300 mm dia	12.80	0.90	35.00	1.10
	350 mm dia	15.80	1.00	37.30	1.30
	400 mm dia	16.00	1.20	46.40	2.40
	450 mm dia	22.00	1.30	51.20	2.40
	500 mm dia	24.60	1.40	55.90	2.50
	600 mm dia	32.60	2.40	76.30	3.60
	700 mm dia	39.60	2.50	102.40	7.20
	800 mm dia	54.90	3.90	121.00	7.20
	900 mm dia	82.00	7.00	139.60	7.20
	1000 mm dia	93.20	7.00	147.20	7.20
	1100 mm dia	105.20	7.20	158.20	7.20
	1200 mm dia	117.30	7.20	176.90	7.40
	1400 mm dia	145.20	7.20	236.40	7.40
	1600 mm dia	173.10	7.40	279.30	7.90
	1800 mm dia	214.10	7.40	372.40	10.80
		<b>P2 - Class</b>		<b>P3 – Class</b>	
	80 mm dia	3.10	0.10	3.10	0.10
	100 mm dia	3.50	0.20	3.50	0.20
	150 mm dia	5.00	0.20	5.00	0.20
	200 mm dia	6.90	0.40	9.40	0.80
	225 mm dia	9.40	0.80	10.50	0.90
	250 mm dia	9.80	0.90	12.30	1.00
	300 mm dia	18.60	1.10	21.30	1.20
	350 mm dia	23.40	1.30	29.80	1.40
	400 mm dia	27.90	1.40	40.00	2.40
	450 mm dia	35.30	2.30	49.30	2.40
	500 mm dia	40.00	2.40	60.50	3.50
	600 mm dia	53.10	2.40	86.60	4.50
	700 mm dia	78.20	4.80	127.50	7.20

	800 mm dia	104.30	6.80	162.00	7.20
	900 mm dia	127.20	7.20		
	1000 mm dia	156.40	7.40		

## 8. S.S.RATES FOR A.C. PIPES

Sl.No	Description					
1	MANUFACTURE AS PER BIS NO: 1592/2003AS AMENDED FROM TIME TO TIME (MAZZA PROCESS) AND SUPPLY OF AC PRESSURE PIPES DULY MARKED WITH BIS MARK, INCLUDING COST OF MATERIAL, INCIDENTAL HANDLING, LOADING AND PACKING CHARGES BUT ARE EXCLUSIVE OF TRANSPORTATION, UNLOADING, STACKING AT DEPARTMENTAL STORES, EXCISE DUTY, VAT OCTROI AND OTHER GOVT. LEVIES.					
	Size	Unit	SoR For 2011-12			
				Class - 15	Class - 20	Class - 25
	80 mm dia	Rate/Metre		143.00	155.00	194.00
	100 mm dia	Rate/Metre		188.00	239.00	294.00
	125 mm dia	Rate/Metre		246.00	307.00	385.00
	150 mm dia	Rate/Metre		348.00	432.00	542.00
	200 mm dia	Rate/Metre		577.00	735.00	933.00
	250 mm dia	Rate/Metre		730.00	944.00	1183.00
	300 mm dia	Rate/Metre		1024.00	1329.00	1696.00
	350 mm dia	Rate/Metre		1251.00	1624.00	2044.00
	400 mm dia	Rate/Metre		1627.00	2122.00	2633.00
	450 mm dia	Rate/Metre		1921.00	2546.00	3190.00
	500 mm dia	Rate/Metre		2378.00	3118.00	3915.00
	600 mm dia	Rate/Metre		3379.00	4407.00	5617.00
	700 mm dia	Rate/Metre	New Item	4508.00	6116.00	7908.00
	750 mm dia	Rate/Metre	New Item	5138.00	7060.00	9048.00
	800 mm dia	Rate/Metre	New Item	5878.00	7998.00	10264.00
	850 mm dia	Rate/Metre	New Item	6594.00	8997.00	11559.00
	900 mm dia	Rate/Metre	New Item	7351.00	10053.00	12929.00
	1000 mm dia	Rate/Metre	New Item	9075.00	12341.00	15899.00
2	Lowering, laying and Jointing of AC Pressure pipes with AC Couplings or CID Joints complete with Rubber Rings in readymade trenches true to alignment and gradient including filling with water lead upto 500 mts and testing to required pressure including all sundries but excluding cost of jointing materials and conveyance from source of supply as per BIS No. 6530/72					
	80 mm dia	Rate/Metre		26.00	26.00	26.00
	100 mm dia	Rate/Metre		39.00	39.00	39.00
	125 mm dia	Rate/Metre		43.00	43.00	43.00
	150 mm dia	Rate/Metre		51.00	51.00	51.00
	200 mm dia	Rate/Metre		67.00	67.00	67.00
	250 mm dia	Rate/Metre		80.00	80.00	80.00
	300 mm dia	Rate/Metre		99.00	99.00	99.00
	350 mm dia	Rate/Metre		168.00	168.00	168.00
	400 mm dia	Rate/Metre		252.00	252.00	252.00
	450 mm dia	Rate/Metre		307.00	307.00	307.00
	500 mm dia	Rate/Metre		391.00	391.00	391.00

	600 mm dia	Rate/Metre		420.00	420.00	420.00
	700 mm dia	Rate/Metre	New Item	468.00	468.00	468.00
	750 mm dia	Rate/Metre	New Item	522.00	522.00	522.00
	800 mm dia	Rate/Metre	New Item	549.00	549.00	549.00
	850 mm dia	Rate/Metre	New Item	585.00	585.00	585.00
	900 mm dia	Rate/Metre	New Item	639.00	639.00	639.00
	1000 mm dia	Rate/Metre	New Item	657.00	657.00	657.00
	<p>1. The above rates of AC Pipes are based on the Cement cost of RS 5,500/- per MT (Including all taxes and freight).</p> <p>2. The above rates of AC pipes are based on the Fiber cost of Rs 46,525/- per M.T basic price (Ex-India Port) (Excluding duties, taxes and transportation etc.)</p> <p>For any Increase/ Decrease in the rate of cement, the price of AC pipe per Rmt shall be increased/decreased as under.</p> <p><math>W \times 0.85 \times IC</math> Where W = Weight of pipe in Kg's/Rmt</p> <p>IC = Increase/Decrease in cost of cement/Kg</p> <p>For any increase/decrease in the rate of fiber, the price of AC pipe per Rmt shall be increased/Decreased as under :</p> <p><math>W \times 0.15 \times IF</math> Where : W= Weight of pipe in Kg's/Rmt</p> <p>IF = Increase /Decrease in cost of fiber/Kg</p>					
Note:	<p>1) The Fiber rates are to be obtained from A.C. Pipe manufacturer of "Mazza" process.</p> <p>2) The cement rate shall be communicated by the sub-committee of Board of Chief engineers.</p> <p>3)The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate</p>					
2	Transportation of AC pressure pipes at site of work anywhere in Andhra Pradesh on motor able roads for full truck loads including transit insurance, unloading, and stacking at site of work etc. Complete (AC Couplings and Rubber rings are to be supplied free of transportation charges).					10% on the basic cost of corresponding AC Pressure pipes.

## 9. S.S.RATES FOR A.C. COUPLINGS

Sl. No.	Description					
1	2					
1	MANUFACTURE AS PER MANUFACTURERS SPECIFICATION (MAZZA PROCESS) AND SUPPLY OF A.C. COUPLINGS EXCLUDING COST OF RUBBER RINGS TO SUIT AC PRESSURE PIPES INCLUDING COST OF MATERIAL, INCIDENTAL HANDLING, PACKING,TRANSPORTATION AND UNLOADING AT SITE TRANSIT RISK BUT EXCLUDING EXCISE DUTY, VAT AND OTHER GOVT. LEVIES.					
	Size	Unit	SoR For 2011-12			
				Class - 15	Class - 20	Class – 25
	80 mm dia	Rate/Each		72.00	77.00	88.00
	100 mm dia	Rate/Each		94.00	99.00	119.00
	125 mm dia	Rate/Each		118.00	128.00	155.00
	150 mm dia	Rate/Each		135.00	169.00	210.00
	200 mm dia	Rate/Each		250.00	269.00	344.00
	250 mm dia	Rate/Each		291.00	366.00	467.00
	300 mm dia	Rate/Each		380.00	491.00	632.00

	350 mm dia	Rate/Each		494.00	638.00	816.00
	400 mm dia	Rate/Each		761.00	994.00	1277.00
	450 mm dia	Rate/Each		912.00	1202.00	1547.00
	500 mm dia	Rate/Each		1087.00	1454.00	1860.00
	600 mm dia	Rate/Each		1320.00	1649.00	2109.00
	700 mm dia	Rate/Each	New Item	1757.60	2366.40	3076.80
	750 mm dia	Rate/Each	New Item	1983.20	2711.20	3498.40
	800 mm dia	Rate/Each	New Item	2249.60	3051.20	3947.20
	850 mm dia	Rate/Each	New Item	2505.60	3412.00	4423.20
	900 mm dia	Rate/Each	New Item	2773.60	3792.00	4924.80
	1000 mm dia	Rate/Each	New Item	3384.00	4612.00	6010.40

1. The above rates of AC Coupling are based on the Cement cost of RS 5,500/- per MT (Including all taxes and freight).

2. The above rates of AC Coupling are based on the Fiber cost of Rs 46,525/- per M.T basic price (Ex- Indian Port) (Excluding duties, taxes and transportation etc.)

For any Increase/ Decrease in the rate of cement, the price of AC Coupling per Each shall be increased/decreased as under.

$W \times 0.85 \times IC$  Where W = Weight of Coupling in Kgs/Each

IC = Increase/Decrease in cost of cement/kg

For any increase/decrease in the rate of fiber, the price of AC Coupling per Each shall be increased/Decreased as under :

$W \times 0.15 \times IF$  Where : W= Weight of Coupling in Kgs/Each

IF = Increase /Decrease in cost of fiber/kg

The Fiber rates are to be obtained from A.C. Pipe manufacturer of "Mazza" process.

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

#### 10. S.S.RATES FOR RUBBER RINGS TO SUIT A.C. COUPLINGS

Sl. No.	Description					
1	2					
1	SCHEDULE OF RATE FOR SUPPLY OF RUBBER RINGS MANUFACTURED AS PER BIS: 5382/1988 WITH BIS MARK EMBOSSED PER EACH SET SUITABLE FOR A.C. COUPLINGS INCLUDING COST OF MATERIAL, INCIDENTAL, HANDLING, PACKING, TRANSPORTATION AND UNLOADING AT SITE TRANSIT RISK ETC., BUT EXCLUDING VAT.					
	Size	Unit	SoR For 2011-12			
				Class - 15	Class - 20	Class - 25
	80 mm dia	Each Set		51.00	51.00	51.00
	100 mm dia	Each Set		62.00	62.00	62.00
	125 mm dia	Each Set		81.00	81.00	81.00
	150 mm dia	Each Set		103.00	103.00	103.00
	200 mm dia	Each Set		106.00	106.00	106.00
	250 mm dia	Each Set		123.00	123.00	123.00
	300 mm dia	Each Set		123.00	123.00	123.00
	350 mm dia	Each Set		140.00	140.00	140.00
	400 mm dia	Each Set		171.00	171.00	171.00
	450 mm dia	Each Set		201.00	201.00	201.00
	500 mm dia	Each Set		232.00	232.00	232.00

**Public Health Items**

	600 mm dia	Each Set		<b>263.00</b>	<b>263.00</b>	<b>263.00</b>
	700 mm dia	Each Set	<b>New Item</b>	<b>546.00</b>	<b>546.00</b>	<b>546.00</b>
	750 mm dia	Each Set	<b>New Item</b>	<b>567.00</b>	<b>567.00</b>	<b>567.00</b>
	800 mm dia	Each Set	<b>New Item</b>	<b>609.00</b>	<b>609.00</b>	<b>609.00</b>
	850 mm dia	Each Set	<b>New Item</b>	<b>679.00</b>	<b>679.00</b>	<b>679.00</b>
	900 mm dia	Each Set	<b>New Item</b>	<b>714.00</b>	<b>714.00</b>	<b>714.00</b>
	1000 mm dia	Each Set	<b>New Item</b>	<b>791.00</b>	<b>791.00</b>	<b>791.00</b>

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate

## 11. S.S. RATES FOR PRE-STRESSED (NON-CYLINDER) CONCRETE PIPES FOR THE YEAR 2011-12

Sl.No.	Description							
1	2							
1	MANUFACTURE, SUPPLY, DELIVERY OF PRE-STRESSED (NON-CYLINDER) CONCRETE PIPES CONFORMING TO IS 784/2001 Ex-factory excluding transportation, taxes & duties.							
	Size	Unit	SoR For 2011-12.					
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
			6 Kg/cm2	8 Kg/cm2	10 Kg/cm2	12 Kg/cm2	14 Kg/cm2	16 Kg/cm2
	350 MM DIA	Metre	2442	2451	2461	2470	2518	2604
	400 MM DIA	Metre	2627	2646	2675	2704	2751	2790
	450 MM DIA	Metre	2800	2810	2840	2890	2960	3020
	500 MM DIA	Metre	3030	3040	3060	3120	3180	3270
	600 MM DIA	Metre	3480	3500	3530	3630	3740	3850
	700 MM DIA	Metre	4270	4280	4340	4430	4580	4690
	800 MM DIA	Metre	5030	5070	5190	5300	5500	5670
	900 MM DIA	Metre	5830	5860	5980	6210	6440	6850
	1000 MM DIA	Metre	6840	6880	7060	7320	7650	8020
	1100 MM DIA	Metre	7760	7850	8050	8470	8800	9200
	1200 MM DIA	Metre	8600	8720	9150	9550	10360	10850
	1300 MM DIA	Metre	9740	10260	10790	11330	12250	13320
	1400 MM DIA	Metre	11110	11710	12340	13340	14340	15080
	1500 MM DIA	Metre	12950	13660	14370	15520	16620	17460
	1600 MM DIA	Metre	14570	15380	16190	18230	18800	19750
	1700 MM DIA	Metre	15328	15903	16701	18677	20701	21765
	1800 MM DIA	Metre	16540	17556	18440	20197	22382	23541
	1900 MM DIA	Metre	17670	18601	20140	21261	23057	25764
	2000 MM DIA	Metre	19409	20577	21575	23627	26800	28880

<b>2</b>	<b>Cost of laying jointing, testing to Hydrostatic field test pressure including cost of rubber rings, cost of transportation of water and emptying pipe line after completion of field testing etc.</b>							
	350 MM DIA	Metre	145.00	145.00	145.00	145.00	145.00	145.00
	400 MM DIA	Metre	157.00	157.00	157.00	157.00	157.00	157.00
	450 MM DIA	Metre	182.00	182.00	182.00	182.00	182.00	182.00
	500 MM DIA	Metre	194.00	194.00	194.00	194.00	194.00	194.00
	600 MM DIA	Metre	237.00	237.00	237.00	237.00	237.00	237.00
	700 MM DIA	Metre	278.00	278.00	278.00	278.00	278.00	278.00
	800 MM DIA	Metre	315.00	315.00	315.00	315.00	315.00	315.00
	900 MM DIA	Metre	345.00	345.00	345.00	345.00	345.00	345.00
	1000 MM IA	Metre	399.00	399.00	399.00	399.00	399.00	399.00
	1100 MM IA	Metre	448.00	448.00	448.00	448.00	448.00	448.00
	1200 MMDIA	Metre	496.00	496.00	496.00	496.00	496.00	496.00
	1300 MM DIA	Metre	563.00	563.00	563.00	563.00	563.00	563.00
	1400 MM DIA	Metre	636.00	636.00	636.00	636.00	636.00	636.00
	1500 MM DIA	Metre	690.00	690.00	690.00	690.00	690.00	690.00
	1600 MM DIA	Metre	774.00	774.00	774.00	774.00	774.00	774.00
	1700 MM DIA	Metre	842.00	842.00	842.00	842.00	842.00	842.00
	1800 MM DIA	Metre	891.00	891.00	891.00	891.00	891.00	891.00
	1900 MM DIA	Metre	941.00	941.00	941.00	941.00	941.00	941.00
	2000 MM DIA	Metre	990.00	990.00	990.00	990.00	990.00	990.00
<b>3</b>	<b>CONVEYANCE OF PRE-STRESSED (NON-CYLINDER) CONCRETE PIPE AND ACCESSORIES including loading at Factory, un-loading at site and stacking for the following sizes.(Minimum distance of 100 KM to be considered if the distance is less by 100 KM from factory to site)</b>							
	350 MM DIA	PerKM/M	1.00	1.00	1.00	1.00	1.00	1.00
	400 MM DIA	PerKM/M	1.00	1.00	1.00	1.00	1.00	1.00
	450 MM DIA	PerKM/M	1.20	1.20	1.20	1.20	1.20	1.20
	500 MM DIA	PerKM/M	1.30	1.30	1.30	1.30	1.30	1.30
	600 MM DIA	PerKM/M	1.50	1.50	1.50	1.50	1.50	1.50
	700 MM DIA	PerKM/M	2.50	2.50	2.50	2.50	2.50	2.50



	800 MM DIA	PerKM/M	2.50	2.50	2.50	2.50	2.50	2.50
	900 MM DIA	PerKM/M	2.50	2.50	2.50	2.50	2.50	2.50
	1000 MM DIA	PerKM/M	3.90	3.90	3.90	3.90	3.90	3.90
	1100 MM DIA	PerKM/M	3.90	3.90	3.90	3.90	3.90	3.90
	1200 MM DIA	PerKM/M	7.50	7.50	7.50	7.50	7.50	7.50
	1300 MM DIA	PerKM/M	7.60	7.60	7.60	7.60	7.60	7.60
	1400 MM DIA	PerKM/M	7.60	7.60	7.60	7.60	7.60	7.60
	1500 MM DIA	PerKM/M	7.60	7.60	7.60	7.60	7.60	7.60
	1600 MM DIA	PerKM/M	8.60	8.60	8.60	8.60	8.60	8.60
	1700 MM DIA	PerKM/M	8.60	8.60	8.60	8.60	8.60	8.60
	1800 MM DIA	PerKM/M	8.80	8.80	8.80	8.80	8.80	8.80
	1900 MM DIA	PerKM/M	9.10	9.10	9.10	9.10	9.10	9.10
	2000 MM DIA	PerKM/M	9.10	9.10	9.10	9.10	9.10	9.10
<b>4</b>	<b>Cost of Machine end pair (Socket+Spigot) for providing MS Specials on PSC Pipelines excluding Cost of MS Special including cost and conveyance to site etc., complete.</b>							
	350 MM DIA	Per Pair	10,285.00	10,285.00	10,285.00	10,285.00	10,285.00	10,285.00
	400 MM DIA	Per Pair	11,797.50	11,797.50	11,797.50	11,797.50	11,797.50	11,797.50
	450 MM DIA	Per Pair	13,310.00	13,310.00	13,310.00	13,310.00	13,310.00	13,310.00
	500 MM DIA	Per Pair	14,822.50	14,822.50	14,822.50	14,822.50	14,822.50	14,822.50
	600 MM DIA	Per Pair	17,787.00	17,787.00	17,787.00	17,787.00	17,787.00	17,787.00
	700 MM DIA	Per Pair	20,812.00	20,812.00	20,812.00	20,812.00	20,812.00	20,812.00
	800 MM DIA	Per Pair	23,837.00	23,837.00	23,837.00	23,837.00	23,837.00	23,837.00
	900 MM DIA	Per Pair			26,862.00	26,862.00	26,862.00	26,862.00

			26,862.00	26,862.00				
	1000 MM DIA	Per Pair	29,645.00	29,645.00	29,645.00	29,645.00	29,645.00	29,645.00
	1100 MM DIA	Per Pair	32,670.00	32,670.00	32,670.00	32,670.00	32,670.00	32,670.00
	1200 MM DIA	Per Pair	35,695.00	35,695.00	35,695.00	35,695.00	35,695.00	35,695.00
	1300 MM DIA	Per Pair	38,478.00	38,478.00	38,478.00	38,478.00	38,478.00	38,478.00
	1400 MM DIA	Per Pair	45,375.00	45,375.00	45,375.00	45,375.00	45,375.00	45,375.00
	1500 MM DIA	Per Pair	53,240.00	53,240.00	53,240.00	53,240.00	53,240.00	53,240.00
	1600 MM DIA	Per Pair	59,290.00	59,290.00	59,290.00	59,290.00	59,290.00	59,290.00
	1700 MM DIA	Per Pair	66,528.00	60,480.00	60,480.00	60,480.00	60,480.00	60,480.00
	1800 MM DIA	Per Pair	76,032.00	69,120	69,120.00	69,120.00	69,120.00	69,120.00
	1900 MM DIA	Per Pair	87,912.00	79,920	79,920.00	79,920.00	79,920.00	79,920.00
	2000 MM DIA	Per Pair	105,732.00	96,120	96,120.00	96,120.00	96,120.00	96,120.00
5	<b>Cost of MS Flanges including cost of Bolts, Nuts, Rubber Packing etc., complete and flange thickness confirming to IS:7322-1985 and flange dimensions confirming to IS:1538-1993 excluding cost of MS Specials including cost and conveyance to site, VAT etc., complete.</b>							
	Diameter and thickness	Unit	Rate	Diameter and thickness	Unit	Rate		
	80 mm DIA x 15 mm thick	Each Flange	666.00	mm DIA x 20 mm thick	Each Flange	6,728.00		
	100 mm DIA x 15 mm thick	Each Flange	908.00	600 mm DIA x 20 mm thick	Each Flange	8,470.00		
	125 mm DIA x 15 mm thick	Each Flange	1,089.00	700 mm DIA x 25 mm thick	Each Flange	11,979.00		
	150 mm DIA x 15 mm thick	Each Flange	1,452.00	750 mm DIA x 25 mm thick	Each Flange	13,189.00		
	200 mm DIA x 15 mm thick	Each Flange	1,815.00	800 mm DIA x 25 mm thick	Each Flange	14,762.00		
	250 mm DIA x 15 mm thick	Each Flange	2,360.00	900 mm DIA x 25 mm thick	Each Flange	16,940.00		
	300 mm DIA x 15 mm thick	Each Flange	2,674.00	1000 mm DIA x 25 mm thick	Each Flange	19,965.00		
	350 mm DIA x 18 mm thick	Each Flange	3,896.00	1050 mm DIA x 25 mm thick	Each Flange	21,151.00		

	400 mm DIA x 18 mm thick	Each Flange	4,864.00	1100 mm DIA x 25 mm thick	Each Flange	22,869.00
	450 mm DIA x 18 mm thick	Each Flange	5,651.00	1200 mm DIA x 32 mm thick	Each Flange	30,371.00

Note: a) The above rate of PSC pipes are based on the HT wire cost of Rs.51,500/-MT (Basic+ CED+ST & freight).

and cement price of Rs.5,500/- per MT (including all taxes and freight)

The rates may be revised depending upon the increase/decrease in the cost of HT wire and cement. as per the following method. The cost of HT wire may be obtained from reputed firms like SAIL/TATA/ SS Ltd. etc.,

**Revised Cost =Cost as per the above table +R1+R2.**

**R1= Variation (increase / decrease ) in cost (Rs. per metre )due to change in the cost of HT Wire =(H2-H1)/1000 X Wh.**

**R2= Variation (increase / decrease )**

**in cost (Rs. per metre )due to change in the cost of Cement =(C2-C1)/1000 X Wc.**

**H1 = Rs. 51,500/- H2 = Cost of HT Wire (Rs. Per MT including all taxes and**

**freight) at the time of preparation of estimate.**

**C1 = Rs. 5,500/- C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of**

**estimate**

**Wh=Weight of HT Wire required (Kg.) per metre of pipe. Wc= Weight of Cement required (Kg.) per metre of pipe.**

The rates for MS flanges are considering landed price of MS Plates of Rs.43,000/- per MT. Price variation to be released on actual weight of flange.

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate

## 12. S.S. RATES FOR PRE-STRESSED (CYLINDER) CONCRETE PIPES FOR THE YEAR 2011-12

SI No.	Description										
1	2										
1	PRE-STRESSED (CYLINDER TYPE ) CONCRETE PIPES CONFORMING TO IS 784/2001 @ Ex-factory Cost of pipes, excluding transportation, laying, jointing, testing, Bends, Tees, Specials, taxes & duties Etc.										
	Size	Unit	SoR For 2011-12								
			4 Kg/cm2	6 Kg/cm2	8 Kg/cm2	10 Kg/cm2	12 Kg/cm2	14 Kg/cm2	16 Kg/cm2	18 Kg/cm2	20 Kg/cm2
	400 MM DIA	Meter	4478	4478	4478	4478	4499	4544	4619	4693	4748
	450 MM DIA	Meter	4866	4866	4866	4887	4941	5007	5103	5169	5245
	500 MM DIA	Meter	5319	5319	5330	5398	5461	5546	5623	5741	5828
	600 MM DIA	Meter	6324	6367	6445	6552	6649	6747	6897	7037	7178
	700 MM DIA	Meter	7302	7410	7540	7680	7810	7939	8100	8305	8457
	800 MM DIA	Meter	8573	8724	8907	9090	9254	9425	9631	9850	10100
	900 MM DIA	Meter	10158	10352	10578	10805	11032	11237	11510	11780	12050
	1000 MM DIA	Meter	11771	12029	12300	12581	12860	13090	13410	13740	14080
	1100 MM DIA	Meter	13077	13385	13710	14000	14310	14590	14940	15310	16120
	1200 MM DIA	Meter	14820	15179	15540	15900	16270	16600	17010	17820	18400
	1300 MM DIA	Meter	16487	16900	17320	17740	18170	18550	19520	20040	20690
	1400 MM DIA	Meter	18070	18540	19030	19520	20010	20980	21580	22200	23570
	1500 MM DIA	Meter	19760	20280	20800	21310	22390	22980	23875	25210	26870
	1600 MM DIA	Meter	22280	22860	23450	24550	25220	25890	27560	28300	29020
	1700 MM DIA	Meter	23980	24650	25360	26620	27380	28800	30080	30880	31640
	1800 MM DIA	Meter	26260	26960	28330	29180	30010	31570	32930	33890	34850
	1900 MM DIA	Meter	30690	31490	33020	33950	35570	36890	38120	39190	40200
	2000 MM DIA	Meter	32750	34270	35300	36360	38210	39330	41060	42290	43380

2	<b>Cost of laying jointing, testing to Hydrostatic field test pressure including cost of site welding and fixing of Polypropylene Diapher cloth, cost of transportation of water and emptying pipe line after completion of field testing etc.</b>										
	400 MM DIA	Meter	306.00	306.00	306.00	306.00	306.00	306.00	306.00	306.00	306.00
	450 MM DIA	Meter	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
	500 MM DIA	Meter	393.00	393.00	393.00	393.00	393.00	393.00	393.00	393.00	393.00
	600 MM DIA	Meter	459.00	459.00	459.00	459.00	459.00	459.00	459.00	459.00	459.00
	700 MM DIA	Meter	524.00	524.00	524.00	524.00	524.00	524.00	524.00	524.00	524.00
	800 MM DIA	Meter	601.00	601.00	601.00	601.00	601.00	601.00	601.00	601.00	601.00
	900 MM DIA	Meter	677.00	677.00	677.00	677.00	677.00	677.00	677.00	677.00	677.00
	1000 MM DIA	Meter	742.00	742.00	742.00	742.00	742.00	742.00	742.00	742.00	742.00
	1100 MM DIA	Meter	841.00	841.00	841.00	841.00	841.00	841.00	841.00	841.00	841.00
	1200 MM DIA	Meter	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00
	1300 MM DIA	Meter	983.00	983.00	983.00	983.00	983.00	983.00	983.00	983.00	983.00
	1400 MM DIA	Meter	1082.00	1082.00	1082.00	1082.00	1082.00	1082.00	1082.00	1082.00	1082.00
	1500 MM DIA	Meter	1201.00	1201.00	1201.00	1201.00	1201.00	1201.00	1201.00	1201.00	1201.00
	1600 MM DIA	Meter	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00
	1700 MM DIA	Meter	1464.00	1464.00	1464.00	1464.00	1464.00	1464.00	1464.00	1464.00	1464.00
	1800 MM DIA	Meter	1551.00	1551.00	1551.00	1551.00	1551.00	1551.00	1551.00	1551.00	1551.00
	1900 MM DIA	Meter	1693.00	1693.00	1693.00	1693.00	1693.00	1693.00	1693.00	1693.00	1693.00
	2000 MM DIA	Meter	1802.00	1802.00	1802.00	1802.00	1802.00	1802.00	1802.00	1802.00	1802.00
3	<b>CONVEYANCE OF PRE-STRESSED (CYLINDER TYPE) CONCRETE PIPES AND ACCESSORIES including loading at Factory, un-loading at site and stacking for the following sizes. (Minimum distance of 100 KM to be considered if the distance is less by 100 KM from factory to site)</b>										
	400 MM DIA	Per KM/M	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
	450 MM DIA	Per KM/M	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
	500 MM DIA	Per KM/M	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
	600 MM DIA	Per KM/M	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
	700 MM DIA	Per KM/M	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
	800 MM DIA	Per KM/M	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
	900 MM DIA	Per KM/M	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30

	1000 MM DIA	Per KM/M	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
	1100 MM DIA	Per KM/M	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
	1200 MM DIA	Per KM/M	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
	1300 MM DIA	Per KM/M	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
	1400 MM DIA	Per KM/M	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
	1500 MM DIA	Per KM/M	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
	1600 MM DIA	Per KM/M	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
	1700 MM DIA	Per KM/M	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60
	1800 MM DIA	Per KM/M	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60
	1900 MM DIA	Per KM/M	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60
	2000 MM DIA	Per KM/M	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00

**Note:** The rates of PCCP pipes which were incorporated in the SSR are based on the following raw materials cost.

HT Wire: - Rs.51,500/- (including all taxes & freight)

HR Coil (Hot Rolled): - Rs.43,500/- (including all taxes & freight)

Cement Cost Rs. 5,500/- per MT (including all duties, taxes & freight)

The rates may be revised depending upon the increase/ decrease in the cost of raw materials (landed price) as per the following method.

Revised Cost = Cost as per the above table + R1 + R2 + R3.

R1 = Variation (increase / decrease) in cost (Rs. per metre) due to change in the cost of HT Wire =  $(H2 - H1) / 1000 \times Wh$ .

R2 = Variation (increase / decrease) in

cost (Rs. per metre) due to change in the cost of HR Coil =  $(R2 - R1) / 1000 \times Wr$ .

R3 = Variation (increase / decrease) in cost (Rs. per metre) due to change in

the cost of Cement =  $(C2 - C1) / 1000 \times Wc$ .

H1 = Rs. 51,500/- H2 = Cost of HT Wire (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

R1 = Rs. 43,500/- R2 = Cost of HR Coil (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs.

5,500/- C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate

Wh = Weight of HT Wire required (Kg.) per metre of

pipe. Wc = Weight of Cement required (Kg.) per metre of pipe.

Wr = Weight of HR Coil required (kg) per metre of pipe.

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate

### 13. S.S. RATES FOR BAR WRAPPED STEEL CYLINDRICAL (BWSC) PIPES FOR THE YEAR 2011-12

Sl.No	Description										
1	2										
1	BAR WRAPPED STEEL CYLINDRICAL (BWSC) PIPES CONFORMING TO IS 15155 - 2002, Ex-factory excluding transportation, taxes and duties etc., for Bar wrapped steel cylindrical pipes.										
	Size	Unit	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.

			Public Health Items									
			4 -12 Kg/cm <sup>2</sup>	14 Kg/cm <sup>2</sup>	16 Kg/cm <sup>2</sup>	18 Kg/cm <sup>2</sup>	20 Kg/cm <sup>2</sup>	22 Kg/cm <sup>2</sup>	24 Kg/cm <sup>2</sup>	26 Kg/cm <sup>2</sup>	28 Kg/cm <sup>2</sup>	30 Kg/cm <sup>2</sup>
	250 MM DIA	Meter	2610	2610	2610	2610	2610	2610	2612	2645	2670	2812
	300 MM DIA	Meter	2936	2936	2936	2936	2936	2974	3051	3163	3221	3392
	350 MM DIA	Meter	3558	3558	3558	3576	3609	3645	3736	3865	3976	4157
	400 MM DIA	Meter	3903	3903	3924	3976	4017	4201	4364	4530	4693	5301
	450 MM DIA	Meter	4309	4323	4384	4433	4646	4833	5050	5244	5453	5928
	500 MM DIA	Meter	4817	4872	4940	5172	5422	5677	5949	6181	6591	7019
	600 MM DIA	Meter	6347	6433	6523	6895	7262	7570	7966	8330	8845	9311
	700 MM DIA	Meter	7656	7835	8357	8864	9362	9894	10579	11000	11536	12296
	800 MM DIA	Meter	8701	9371	10017	10644	11303	12177	12886	13853	14522	15462
	900 MM DIA	Meter	10747	11172	12006	12830	13619	14278	15742	16824	17626	18851
	1000 MM DIA	Meter	12134	13260	14197	15132	16140	17599	19219	20569	21654	23241
	1100 MM DIA	Meter	17375	17689	17846	19572	21520	22893	25341	26704	28439	30985
	1200 MM DIA	Meter	19217	19783	20489	22555	24777	26772	29056	30172	33730	37197
2	Cost of laying jointing, testing to Hydrostatic field test pressure including cost of site welding and fixing of Polypropylene Diaher cloth, cost of transportation of water and emptying pipe line after completion of field testing.											
	250 MM DIA	Meter	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00
	300 MM DIA	Meter	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00
	350 MM DIA	Meter	320.00	320.00	320.00	320.00	320.00	320.00	320.00	320.00	320.00	320.00
	400 MM DIA	Meter	358.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00
	450 MM DIA	Meter	358.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00
	500 MM DIA	Meter	448.00	448.00	448.00	448.00	448.00	448.00	448.00	448.00	448.00	448.00
	600 MM DIA	Meter	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00
	700 MM DIA	Meter	641.00	641.00	641.00	641.00	641.00	641.00	641.00	641.00	641.00	641.00
	800 MM DIA	Meter	730.00	730.00	730.00	730.00	730.00	730.00	730.00	730.00	730.00	730.00
	900 MM DIA	Meter	858.00	858.00	858.00	858.00	858.00	858.00	858.00	858.00	858.00	858.00
	1000 MM DIA	Meter	948.00	948.00	948.00	948.00	948.00	948.00	948.00	948.00	948.00	948.00
	1100 MM DIA	Meter	1114.00	1114.00	1114.00	1114.00	1114.00	1114.00	1114.00	1114.00	1114.00	1114.00
	1200 MM DIA	Meter	1247.00	1247.00	1247.00	1247.00	1247.00	1247.00	1247.00	1247.00	1247.00	1247.00

3	Conveyance of Bar Wrapped steel Cylindrical (BWSC) pipes and accessories including loading at Factory, un-loading at site and stacking for the following sizes. (Minimum distance of 100 KM to be considered if the distance is less by 100 KM from factory to site)										Public Health Items	
	250 MM DIA	Per KM/M	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	300 MM DIA	Per KM/M	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	350 MM DIA	Per KM/M	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
	400 MM DIA	Per KM/M	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
	450 MM DIA	Per KM/M	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	500 MM DIA	Per KM/M	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
	600 MM DIA	Per KM/M	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
	700 MM DIA	Per KM/M	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	800 MM DIA	Per KM/M	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	900 MM DIA	Per KM/M	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	1000 MM DIA	Per KM/M	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
	1100 MM DIA	Per KM/M	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	1200 MM DIA	Per KM/M	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40

**Note:** The above rates of BWSC pipes are based on the following raw materials' cost.

HR Plates - Rs.43,500/- per MT (Basic+CED+ST & freight)

Wire rods - Rs.42,000/- per MT (Basic+CED+ST & freight)

Cement Cost Rs. 5,500/- per MT (including all duties, taxes & freight)

The rates may be revised depending upon the increase/ decrease in the cost of raw materials (landed price) as per the following method.

Revised Cost = Cost as per the above table + R1 + R2 + R3.

R1 = Variation (increase / decrease) in cost (Rs. per metre) due to change in the cost of HR Plate =  $(H2 - H1) / 1000 \times W_h$ .

R2 = Variation (increase / decrease) in cost (Rs. per metre) due to change in the cost of wire rods =  $(W2 - W1) / 1000 \times W_w$ .

R3 = Variation (increase / decrease) in cost (Rs. per metre) due to change in the cost of Cement =  $(C2 - C1) / 1000 \times W_c$ .

H1 = Rs. 43,500/- H2 = Cost of HR Plate (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

W1 = Rs. 42,000/- W2 =

Cost of Wire rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 5,500/- C2 = Cost of Cement (Rs. Per MT

including all taxes and freight) at the time of preparation of estimate

W<sub>h</sub> = Weight of HR Plate required (Kg.) per metre of pipe. W<sub>c</sub> = Weight of Cement required

(Kg.) per metre of pipe.

W<sub>w</sub> = Weight of wire rods required (kg) per metre of pipe.

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.



## 14. S.S. RATES FOR M.S.SPIRAL PIPES (2011-12)

Sl.No.	Description	Unit	Thickness in mm	Rate (Rs.)
1	2	3	4	5
1	Manufacture, Supply and Delivery of Spirally welded M.S Pipes Conforming to IS 3589/2001 including in lining with Cement mortar(1:2)12mm thick using 4 numbers of 6mm dia M.S. Rings at each end of the pipe and Out coating cement mortar(1:3)30mm thick by shorcreting or Guniting duly providing wire mesh of size 50x50x3mm including cost of all materials, Labour charges, transportation to anywhere in AP, but excluding taxes & duties, etc.			
	500 MM DIA	Meter	8.00	7488.00
	600 MM DIA	Meter	8.00	8924.00
	700 MM DIA	Meter	8.00	10407.00
	700 MM DIA	Meter	10.00	13015.00
	800 MM DIA	Meter	8.00	11941.00
	800 MM DIA	Meter	10.00	13859.00
	800 MM DIA	Meter	12.00	16496.00
	900 MM DIA		8.00	13325.00
	900 MM DIA	Meter	10.00	15479.00
	900 MM DIA	Meter	12.00	17638.00
	1000 MM DIA	Meter	8.00	14961.00
	1000 MM DIA	Meter	10.00	17344.00
	1000 MM DIA	Meter	12.00	19651.00
	1000 MM DIA	Meter	14.00	22790.00
	1100 MM DIA	Meter	8.00	17688.00
	1100 MM DIA	Meter	10.00	20309.00
	1100 MM DIA	Meter	12.00	22933.00
	1100 MM DIA	Meter	14.00	26603.00
	1100 MM DIA	Meter	16.00	30286.00
	1200 MM DIA	Meter	8.00	20019.00
	1200 MM DIA	Meter	10.00	22868.00
	1200 MM DIA	Meter	12.00	25729.00
	1200 MM DIA	Meter	14.00	28602.00
	1200 MM DIA	Meter	16.00	32554.00
	1200 MM DIA	Meter	18.00	36518.00

**PUBLIC HEALTH ITEMS**

	1300 MM DIA	Meter	8.00	21852.00
	1300 MM DIA	Meter	10.00	24934.00
	1300 MM DIA	Meter	12.00	28029.00
	1300 MM DIA	Meter	14.00	31131.00
	1300 MM DIA	Meter	16.00	34247.00
	1300 MM DIA	Meter	18.00	38409.00
	1300 MM DIA	Meter	20.00	42583.00
	1400 MM DIA	Meter	8.00	23236.00
	1400 MM DIA	Meter	10.00	26551.00
	1400 MM DIA	Meter	12.00	29878.00
	1400 MM DIA	Meter	14.00	33218.00
	1400 MM DIA	Meter	16.00	36564.00
	1400 MM DIA	Meter	18.00	41000.00
	1400 MM DIA	Meter	20.00	45450.00
	1400 MM DIA	Meter	22.00	49912.00
	1500 MM DIA	Meter	8.00	24869.00
	1500 MM DIA	Meter	10.00	28422.00
	1500 MM DIA	Meter	12.00	31978.00
	1500 MM DIA	Meter	14.00	35550.00
	1500 MM DIA	Meter	16.00	39130.00
	1500 MM DIA	Meter	18.00	42715.00
	1500 MM DIA	Meter	20.00	47341.00
	1500 MM DIA	Meter	22.00	51979.00
	1500 MM DIA	Meter	24.00	56630.00
	1600 MM DIA	Meter	8.00	26268.00
	1600 MM DIA	Meter	10.00	30034.00
	1600 MM DIA	Meter	12.00	33829.00
	1600 MM DIA	Meter	14.00	37634.00
	1600 MM DIA	Meter	16.00	41446.00
	1600 MM DIA	Meter	18.00	45266.00
	1600 MM DIA	Meter	20.00	50162.00
	1600 MM DIA	Meter	22.00	55072.00
	1600 MM DIA	Meter	24.00	59993.00
	1600 MM DIA	Meter	26.00	64925.00
	1700 MM DIA	Meter	8.00	27886.00
	1700 MM DIA	Meter	10.00	31901.00
	1700 MM DIA	Meter	12.00	35927.00
	1700 MM DIA	Meter	14.00	39964.00
	1700 MM DIA	Meter	16.00	44008.00
	1700 MM DIA	Meter	18.00	48065.00
	1700 MM DIA	Meter	20.00	53261.00
	1700 MM DIA	Meter	22.00	58470.00

**PUBLIC HEALTH ITEMS**

	1700 MM DIA	Meter	24.00	63690.00
	1700 MM DIA	Meter	26.00	68923.00
	1700 MM DIA	Meter	28.00	74167.00
	1800 MM DIA	Meter	8.00	29519.00
	1800 MM DIA	Meter	10.00	33767.00
	1800 MM DIA	Meter	12.00	38028.00
	1800 MM DIA	Meter	14.00	42300.00
	1800 MM DIA	Meter	16.00	46573.00
	1800 MM DIA	Meter	18.00	50864.00
	1800 MM DIA	Meter	20.00	55162.00
	1800 MM DIA	Meter	22.00	60548.00
	1800 MM DIA	Meter	24.00	65947.00
	1800 MM DIA	Meter	26.00	71355.00
	1800 MM DIA	Meter	28.00	76777.00
	1800 MM DIA	Meter	30.00	82209.00
	1900 MM DIA	Meter	8.00	29966.00
	1900 MM DIA	Meter	10.00	35385.00
	1900 MM DIA	Meter	12.00	39874.00
	1900 MM DIA	Meter	14.00	44377.00
	1900 MM DIA	Meter	16.00	48890.00
	1900 MM DIA	Meter	18.00	53414.00
	1900 MM DIA	Meter	20.00	57941.00
	1900 MM DIA	Meter	22.00	63595.00
	1900 MM DIA	Meter	24.00	69260.00
	1900 MM DIA	Meter	26.00	74937.00
	1900 MM DIA	Meter	28.00	80625.00
	1900 MM DIA	Meter	30.00	86325.00
	1900 MM DIA	Meter	32.00	92034.00
	2000 MM DIA	Meter	8.00	31340.00
	2000 MM DIA	Meter	10.00	37002.00
	2000 MM DIA	Meter	12.00	41728.00
	2000 MM DIA	Meter	14.00	46462.00
	2000 MM DIA	Meter	16.00	51207.00
	2000 MM DIA	Meter	18.00	55964.00
	2000 MM DIA	Meter	20.00	60723.00
	2000 MM DIA	Meter	22.00	65459.00
	2000 MM DIA	Meter	24.00	71282.00
	2000 MM DIA	Meter	26.00	77115.00
	2000 MM DIA	Meter	28.00	82962.00
	2000 MM DIA	Meter	30.00	88818.00
	2000 MM DIA	Meter	32.00	94687.00
	2000 MM DIA	Meter	34.00	100565.00
	2100 MM DIA	Meter	8.00	32921.00

## PUBLIC HEALTH ITEMS

	2100 MM DIA	Meter	10.00	38867.00
	2100 MM DIA	Meter	12.00	43827.00
	2100 MM DIA	Meter	14.00	48784.00
	2100 MM DIA	Meter	16.00	53773.00
	2100 MM DIA	Meter	18.00	58760.00
	2100 MM DIA	Meter	20.00	63755.00
	2100 MM DIA	Meter	22.00	68764.00
	2100 MM DIA	Meter	24.00	74878.00
	2100 MM DIA	Meter	26.00	81004.00
	2100 MM DIA	Meter	28.00	87141.00
	2100 MM DIA	Meter	30.00	93287.00
	2100 MM DIA	Meter	32.00	99447.00
	2100 MM DIA	Meter	34.00	105617.00
	2100 MM DIA	Meter	36.00	111798.00
	2200 MM DIA	Meter	8.00	34293.00
	2200 MM DIA	Meter	10.00	40485.00
	2200 MM DIA	Meter	12.00	45678.00
	2200 MM DIA	Meter	14.00	50877.00
	2200 MM DIA	Meter	16.00	56089.00
	2200 MM DIA	Meter	18.00	61307.00
	2200 MM DIA	Meter	20.00	66538.00
	2200 MM DIA	Meter	22.00	71780.00
	2200 MM DIA	Meter	26.00	84548.00
	2200 MM DIA	Meter	28.00	90948.00
	2200 MM DIA	Meter	30.00	97360.00
	2200 MM DIA	Meter	32.00	103783.00
	2200 MM DIA	Meter	34.00	110218.00
	2200 MM DIA	Meter	36.00	116663.00
	2200 MM DIA	Meter	38.00	123120.00
	2300 MM DIA	Meter	10.00	42351.00
	2300 MM DIA	Meter	12.00	47777.00
	2300 MM DIA	Meter	16.00	58650.00
	2300 MM DIA	Meter	18.00	64106.00
	2300 MM DIA	Meter	20.00	69570.00
	2300 MM DIA	Meter	22.00	75041.00
	2300 MM DIA	Meter	26.00	88382.00
	2300 MM DIA	Meter	28.00	95069.00
	2300 MM DIA	Meter	30.00	101769.00
	2300 MM DIA	Meter	32.00	108479.00
	2300 MM DIA	Meter	34.00	115199.00
	2300 MM DIA	Meter	36.00	121933.00
	2300 MM DIA	Meter	38.00	128676.00
	2300 MM DIA	Meter	40.00	135430.00
	2400MM DIA	Meter	10.00	43966.00

PUBLIC HEALTH ITEMS

	2400 MM DIA	Meter	12.00	49626.00
	2400 MM DIA	Meter	14.00	56137.00
	2400 MM DIA	Meter	16.00	61817.00
	2400 MM DIA	Meter	18.00	67501.00
	2400 MM DIA	Meter	20.00	73199.00
	2400 MM DIA	Meter	22.00	79671.00
	2400 MM DIA	Meter	26.00	86134.00
	2400 MM DIA	Meter	28.00	92200.00
	2400 MM DIA	Meter	30.00	98276.00
	2400 MM DIA	Meter	32.00	104362.00
	2400 MM DIA	Meter	34.00	110457.00
	2400 MM DIA	Meter	36.00	116563.00
	2400 MM DIA	Meter	38.00	122677.00
	2400 MM DIA	Meter	40.00	123121.00
	2400 MM DIA	Meter	42.00	129251.00
	2500 MM DIA	Meter	10.00	45835.00
	2500 MM DIA	Meter	14.00	57626.00
	2500 MM DIA	Meter	16.00	63537.00
	2500 MM DIA	Meter	18.00	69456.00
	2500 MM DIA	Meter	20.00	75385.00
	2500 MM DIA	Meter	22.00	81323.00
	2500 MM DIA	Meter	28.00	103006.00
	2500 MM DIA	Meter	30.00	110255.00
	2500 MM DIA	Meter	34.00	124789.00
	2500 MM DIA	Meter	36.00	132073.00
	2500 MM DIA	Meter	38.00	139368.00
	2500 MM DIA	Meter	40.00	146674.00
	2500 MM DIA	Meter	42.00	153991.00
	2500 MM DIA	Meter	44.00	161320.00
	2500 MM DIA	Meter	46.00	168660.00
	2600 MM DIA	Meter	12.00	53572.00
	2600 MM DIA	Meter	14.00	59709.00
	2600 MM DIA	Meter	16.00	65855.00
	2600 MM DIA	Meter	18.00	72006.00
	2600 MM DIA	Meter	20.00	78169.00
	2600 MM DIA	Meter	22.00	84339.00
	2600 MM DIA	Meter	32.00	121855.00
	2600 MM DIA	Meter	34.00	129391.00
	2600 MM DIA	Meter	36.00	136939.00
	2600 MM DIA	Meter	38.00	144498.00
	2600 MM DIA	Meter	40.00	152068.00
	2600 MM DIA	Meter	42.00	159649.00
	2600 MM DIA	Meter	44.00	167243.00
	2600 MM DIA	Meter	46.00	174846.00
	2600 MM DIA	Meter	48.00	182462.00

2	Cost of Laying, Jointing, Hydrostatic filed test pressure, including cost of site welding, jointing materials and cost of transportation of water including emptying pipe line after completion of filed testing			
	400 MM DIA	Meter		391.00
	500 MM DIA	Meter		488.00
	600 MM DIA	Meter		600.00
	700 MM DIA	Meter		697.00
	800 MM DIA	Meter		795.00
	900 MM DIA	Meter		935.00
	1000 MM DIA	Meter		1032.00
	1100 MM DIA	Meter		1213.00
	1200 MM DIA	Meter		1359.00
	1300 MM DIA	Meter		1561.00
	1400 MM DIA	Meter		1797.00
	1500 MM DIA	Meter		2065.00
	1600 MM DIA	Meter		2375.00
	1700 MM DIA	Meter		2730.00
	1800 MM DIA	Meter		3141.00
	1900 MM DIA	Meter		3612.00
	2000 MM DIA	Meter		4154.00
	2100 MM DIA	Meter		4778.00
	2200 MM DIA	Meter		5494.00
	2300 MM DIA	Meter		6318.00
	2400 MM DIA	Meter		7265.00
	2500 MM DIA	Meter		8355.00
	2600 MM DIA	Meter		9609.00

The above rates of MS Spiral pipes are based on the following raw materials cost.

MS Plates = Rs 43,000/- Per MT.

The rates may be revised depending upon the increase/decrease in the cost of raw materials (landed price) as per the following method.

Revised Cost = Cost as per the above table "R<sub>1</sub>".

R<sub>1</sub>= Variation (Increase/Decrease) in cost (Rs. Per meter) due to change in cost of MS Plates = (M<sub>2</sub>-M<sub>1</sub>)/1000 x W<sub>m</sub>

M<sub>1</sub>= Rs 43,000/-

M<sub>2</sub>= Cost of MS Plates (Rs. Per MT including all taxes and freight )  
at the time of preparation of estimate

W<sub>m</sub>=Weight of MS Plates required (Kg) per meter of pipe

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

#### 15. S.S. RATES FOR GLASS FIBRE REINFORCED PLASTIC (GRP) PIPES

Sl.No.	Description
1	2

1	GLASSFIBRE REINFORCED PLASTIC (GRP) PIPES CONFORMING TO IS 12709 - 1994 Stiffness class 124 Kpa including transportation to anywhere in A.P. with jointing materials i.e., Reka couplings, Rubber Gaskets etc., for jointing pipes including cost of specials, loading, un-loading and stacking etc., complete but excluding Central Excise duty and to be added sale tax.						
	Size	Unit	SoR For 2011-12 Rs.				
			3 Bar	6 Bar	9 Bar	12 Bar	15 Bar
	300 MM DIA	Metre	2382	2447	2516	2582	2695
	350 MM DIA	Metre	2556	2592	2672	2746	2872
	400 MM DIA	Metre	2846	2973	3083	3225	3352
	450 MM DIA	Metre	3339	3468	3658	3838	4057
	500 MM DIA	Metre	3804	3958	4183	4446	4700
	600 MM DIA	Metre	4834	5034	5340	5883	6157
	700 MM DIA	Metre	5797	6060	6796	7413	7975
	800 MM DIA	Metre	7095	7430	8021	8727	9422
	900 MM DIA	Metre	8869	9246	10044	10894	11797
	1000 MM DIA	Metre	10630	11119	11960	13044	14059
2	Cost of laying jointing, testing to Hydrostatic field test pressure including cost of transportation of water and emptying pipe line after completion of field testing.						
	Size	Unit	S.S. Rates for 2011-12. Rs.				
			3 Bar	6 Bar	9 Bar	12 Bar	15 Bar
	300 mm dia	Metre	107.00	107.00	107.00	107.00	107.00
	350 mm dia	Metre	160.00	160.00	160.00	160.00	160.00
	400 mm dia	Metre	240.00	240.00	240.00	240.00	240.00
	450 mm dia	Metre	293.00	293.00	293.00	293.00	293.00
	500 mm dia	Metre	373.00	373.00	373.00	373.00	373.00
	600 mm dia	Metre	399.00	399.00	399.00	399.00	399.00
	700 mm dia	Metre	452.00	452.00	452.00	452.00	452.00
	800 mm dia	Metre	532.00	532.00	532.00	532.00	532.00
	900 mm dia	Metre	585.00	585.00	585.00	585.00	585.00
	1000 mm dia	Meter	679.00	679.00	679.00	679.00	679.00

Note:1) The material component is 50% of total cost.

2) The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate

3) The cost of other specials like tees, reducers etc with flange will be charge @4 times per meter cost of pipe.

4) The cost of other special like plain ended tees, reducers etc will be charge @ 2.50 times per meter cost of pipe.

The methodology adopted for rates is as follows:

Percentage of raw materials in the finished product of the pipe

1) Hoop Glass Fibre Rovings H% (35%), 2) Chop Glass C% (40%) and 3) Resin R% (25%)

The cost of variation in Raw materials are:

1) Variation in cost of Hoop Glass : h%

2) Variation in cost of Chop Glass : c%

3) Variation in cost of Resin : r%

The percentage of variation in cost of pipe allowed is  $(H \times h + C \times c + R \times r)/100$

The above raw materials rates are obtained from the principal manufacturers.

The rates of raw materials are:

- 1) Hoop Glass Fibre Rovings - Rs. 76.00/kg (Excluding CED&ST)
- 2) Chop Glass - Rs. 98.00/kg (Excluding CED&ST)
- 3) Resin - Rs.105.00/kg (Excluding CED&ST)

**16. S.S. RATES FOR H.D.P.E PIPES FOR THE YEAR 2011-12. (PE - 80 Grade)**

Sl.No	Description	4.0 kg/ sqcm
1	2	4
	Manufacture, supply, & delivery of HDPE pipes conforming to IS 4984 - 1995 including transportation to any where in A.P, excluding excise duty, sale tax and specials etc., complete. ( Supply upto 90 mm dia in coil & above 90 mm dia straight length in 6 M.)	
	<b>Rate per Meter</b>	
	OD 20 mm	-
	OD 25 mm	-
	OD 32 mm	-
	OD 40 mm	30.00
	OD 50 mm	44.00
	OD 63 mm	60.00
	OD 75 mm	83.00
	OD 90 mm	119.00
	OD 110 mm	177.00
	OD 125 mm	229.00
	OD 140 mm	282.00
	OD 160 mm	369.00
	OD 180 mm	466.00
	OD 200 mm	571.00
	OD 225 mm	747.00
	OD 250 mm	924.00
	OD 280 mm	1152.00
	OD 315 mm	1464.00
	OD 355 mm	1765.00
	OD 400 mm	2287.00
	OD 450 mm	2905.00
	OD 500 mm	3571.00
	OD 560 mm	4404.00
	OD 630 mm	5570.00
	OD 710 mm	7078.00
	OD 800 mm	8959.00
	OD 900 mm	11352.00
	OD 1000 mm	13979.00

Note: Excise duty, CST / VAT extra as applicable at the time of supply.

The IPCL resin cost adopted for the above rates are

For PE - 80 grade Rs.71,400/- per MT. (Excluding CED&ST)

The variation in cost of HDPE pipes due to increase / decrease in raw material cost shall be allowed as per the following price variation formula.



price variation formula as follows:

$P2 = P1 + (A2 - A1) / 1000 \times M \times 0.95$  (for increase in raw material cost)

$P2 = P1 - (A1 - A2) / 1000 \times M \times 0.95$  (for decrease in raw material cost)

P2 = Revised pipe price in Rs. Per Meter excluding CED & ST

P1 = Existing pipe price in Rs. Per Meter excluding CED & ST

A2 = Revised price of raw material Rs. Per MT excluding CED & ST

A1 = Existing price of raw material Rs. Per MT excluding CED & ST

M = Weight of pipe in Kgs per Meter as per weight chart.

**17(I). S.S. RATES FOR H.D.P.E PIPES FOR THE YEAR 2011-12. (PE - 100 Grade)**

Sl.No	Description	6.0 kg/ sqcm	8.0 kg/ sqcm	10.0 kg/ sqcm	12.5 kg/ sqcm	16.0 kg/ sqcm
1	2	3	4	5	6	7
I	Manufacture, supply, & delivery of HDPE pipes conforming to IS 4984 - 1995 including transportation to any where in A.P, excluding excise duty, sale tax and specials etc., complete. ( Supply upto 90 mm dia in coil & above 90 mm dia straight length in 6 M.)					
	<b>Rate per Meter</b>					
	OD 25 mm					28.00
	OD 32 mm			31.00	41.00	47.00
	OD 40 mm		40.00	47.00	62.00	73.00
	OD 50 mm	49.00	61.00	74.00	97.00	113.00
	OD 63 mm	74.00	94.00	114.00	153.00	180.00
	OD 75 mm	105.00	133.00	160.00	218.00	255.00
	OD 90 mm	149.00	190.00	227.00	309.00	368.00
	OD 110 mm	224.00	284.00	338.00	465.00	550.00
	OD 125 mm	286.00	366.00	439.00	596.00	711.00
	OD 140 mm	359.00	458.00	550.00	750.00	890.00
	OD 160 mm	469.00	596.00	716.00	977.00	1162.00
	OD 180 mm	590.00	755.00	905.00	1233.00	1472.00
	OD 200 mm	730.00	932.00	1116.00	1528.00	1810.00
	OD 225 mm	946.00	1208.00	1453.00	1926.00	2298.00
	OD 250 mm	1165.00	1494.00	1794.00	2380.00	2829.00
	OD 280 mm	1460.00	1870.00	2248.00	2992.00	3550.00
	OD 315 mm	1851.00	2368.00	2842.00	3770.00	4487.00
	OD 355 mm	2319.00	2961.00	3557.00	4796.00	5687.00

	OD 400 mm	3063.00	3906.00	4680.00	6209.00	7368.00
	OD 450 mm	3794.00	4858.00	5836.00	7848.00	9307.00
	OD 500 mm	4690.00	5989.00	7196.00	9697.00	11567.00
	OD 560 mm	5365.00	6853.00	8174.00	10631.00	
	OD 630 mm	6759.00	8671.00	10354.00	12416.00	
	OD 710 mm	8604.00	10986.00	13152.00		
	OD 800 mm	10919.00	13950.00	16761.00		
	OD 900 mm	13833.00	17660.00			
	OD 1000 mm	17058.00				

**Note:-**

Excise duty, CST / VAT extra as applicable at the time of supply.

The IPCL resin cost adopted for the above rates are

For PE - 100 grade Rs.72,400/- per MT. (Excluding CED&ST)

The variation in cost of HDPE pipes due to increase / decrease in raw material cost shall be allowed as per the following price variation formula.

price variation formula as follows:

$P2 = P1 + (A2 - A1) / 1000 \times M \times 0.95$  (for increase in raw material cost)

$P2 = P1 - (A1 - A2) / 1000 \times M \times 0.95$  (for decrease in raw material cost)

P2 = Revised pipe price in Rs. Per Meter excluding CED & ST

P1 = Existing pipe price in Rs. Per Meter excluding CED & ST

A2 = Revised price of raw material Rs. Per MT excluding CED & ST

A1 = Existing price of raw material Rs. Per MT excluding CED & ST

M = Weight of pipe in Kgs per Meter as per weight chart.

**17(II)HDPE PIPES –(PE –100 Grade) SEWER LINES FOR THE YEAR 2011-12**

Sl.No	Description	6.0 kg/sqcm	8.0 kg/sqcm	10.0 kg/sqcm	12.5 kg/sqcm	16.0 kg/sqcm
1	2	3	4	5	6	7
I	Manufacture, supply, & delivery of HDPE pipes conforming to IS 14333 - 2000 For using Under Ground Drainage and Sewerage Systems including transportation to any where in A.P, excluding excise duty, sale tax and specials etc., complete. ( Supply upto 90 mm dia in coil & above 90 mm dia straight length in 6 M or 12 M.)					
	Rate per Meter					
	OD 63 mm	79.00	100.00	120.00	142.00	170.00
	OD 75 mm	112.00	142.00	170.00	202.00	242.00

OD 90 mm	159.00	203.00	243.00	288.00	348.00
OD 110 mm	227.00	288.00	343.00	412.00	492.00
OD 125 mm	290.00	371.00	444.00	527.00	635.00
OD 140 mm	363.00	463.00	557.00	663.00	797.00
OD 160 mm	474.00	604.00	726.00	869.00	1038.00
OD 180 mm	597.00	766.00	918.00	1091.00	1313.00
OD 200 mm	739.00	944.00	1131.00	1351.00	1618.00
OD 225 mm	932.00	1190.00	1432.00	1703.00	2051.00
OD 250 mm	1150.00	1472.00	1767.00	2103.00	2526.00
OD 280 mm	1438.00	1842.00	2203.00	2644.00	3172.00
OD 315 mm	1820.00	2332.00	2790.00	3334.00	4011.00
OD 355 mm	2306.00	2953.00	3554.00	4240.00	5088.00
OD 400 mm	3059.00	3914.00	4700.00	5603.00	6722.00
OD 450 mm	3862.00	4953.00	5953.00	7082.00	
OD 500 mm	4774.00	6106.00	7341.00	8751.00	
OD 560 mm	5967.00	7652.00	9211.00		
OD 630 mm	7557.00	9686.00	11638.00		
OD 710 mm	9842.00	12606.00			
OD 800 mm	12485.00				
OD 900 mm	15814.00				
OD 1000 mm	19537.00				

**Note:-**

Excise duty, CST / VAT extra as applicable at the time of supply.

The IPCL resin cost adopted for the above rates are

For PE - 100 grade Rs.72,400/- per MT. (Excluding CED&ST)

The variation in cost of HDPE pipes due to increase / decrease in raw material cost shall be allowed as per the following price variation formula.

price variation formula as follows:

$P2 = P1 + (A2 - A1) / 1000 \times M \times 0.95$  (for increase in raw material cost)

$P2 = P1 - (A1 - A2) / 1000 \times M \times 0.95$  (for decrease in raw material cost)

P2 = Revised pipe price in Rs. Per Meter excluding CED & ST

P1 = Existing pipe price in Rs. Per Meter excluding CED & ST

A2 = Revised price of raw material Rs. Per MT excluding CED & ST

A1 = Existing price of raw material Rs. Per MT excluding CED & ST

M = Weight of pipe in Kgs per Meter as per weight chart.

#### 18. S.S. RATES FOR H.D.P.E FITTINGS FOR THE YEAR 2011-12.

	<b>Manufacture, supply, &amp; delivery of HDPE fittings conforming to IS 4984 - 1995 including transportation to any where in A.P, excluding excise duty, sale tax and specials etc., complete</b>	
<b>I (a)</b>	<b>PIPE ENDS LONG NECK</b>	<b>Rate per Each</b>
	OD 50 mm	<b>50.00</b>
	OD 63 mm	<b>63.00</b>
	OD 75 mm	<b>75.00</b>
	OD 90 mm	<b>98.00</b>
	OD 110 mm	<b>135.00</b>
	OD 125 mm	<b>242.00</b>
	OD 140 mm	<b>245.00</b>
	OD 160 mm	<b>341.00</b>
	OD 180 mm	<b>484.00</b>
	OD 200 mm	<b>623.00</b>
	OD 225 mm	<b>714.00</b>
	OD 250 mm	<b>836.00</b>
	OD 280 mm	<b>935.00</b>
	OD 315 mm	<b>1078.00</b>
	OD 355 mm	<b>2252.00</b>
	OD 400 mm	<b>3001.00</b>
	OD 450 mm	<b>4994.00</b>
	OD 500 mm	<b>5558.00</b>
<b>(b)</b>	<b>MS FLANGES</b>	<b>Rate per Each</b>
	OD 50 mm	<b>98.00</b>
	OD 63 mm	<b>125.00</b>
	OD 75 mm	<b>157.00</b>
	OD 90 mm	<b>168.00</b>
	OD 110 mm	<b>178.00</b>
	OD 125 mm	<b>244.00</b>
	OD 140 mm	<b>264.00</b>
	OD 160 mm	<b>347.00</b>
	OD 180 mm	<b>490.00</b>
	OD 200 mm	<b>635.00</b>
	OD 225 mm	<b>793.00</b>
	OD 250 mm	<b>937.00</b>
	OD 280 mm	<b>1063.00</b>

## PUBLIC HEALTH ITEMS

	OD 315 mm	1251.00
	OD 355 mm	2118.00
	OD 400 mm	2627.00
	OD 450 mm	3429.00
	OD 500 mm	3927.00
<b>(c)</b>	<b>END CAPS</b>	<b>Rate per Each</b>
	OD 50 mm	33.00
	OD 63 mm	40.00
	OD 75 mm	51.00
	OD 90 mm	67.00
	OD 110 mm	77.00
	OD 125 mm	106.00
	OD 140 mm	124.00
	OD 160 mm	189.00
	OD 180 mm	307.00
	OD 200 mm	335.00
	OD 225 mm	350.00
	OD 250 mm	497.00
	OD 280 mm	508.00
	OD 315 mm	696.00
	OD 355 mm	1074.00
	OD 400 mm	1875.00
	OD 450 mm	3016.00
	OD 500 mm	5558.00
<b>(d)</b>	<b>REDUCERS</b>	<b>Rate per Each</b>
	OD 50 mm x 63 mm	47.00
	OD 63 mm x 75 mm	67.00
	OD 75 mm x 90 mm	110.00
	OD 90 mm x 110 mm	152.00
	OD 110 mm x 125 mm	232.00
	OD 125 mm x 140 mm	320.00
	OD 140 mm x 160 mm	447.00
	OD 160 mm x 180 mm	619.00

## PUBLIC HEALTH ITEMS

	OD 180 mm x 200 mm	<b>800.00</b>
	OD 200 mm x 225 mm	<b>982.00</b>
	OD 225 mm x 250 mm	<b>1339.00</b>
	OD 250 mm x 280 mm	<b>1901.00</b>
	OD 280 mm x 315 mm	<b>2688.00</b>
	OD 315 mm x 355 mm	<b>3082.00</b>
	OD 355 mm x 400 mm	<b>4350.00</b>
	OD 400 mm x 450 mm	<b>4512.00</b>
	OD 450 mm x 500 mm	<b>5786.00</b>
<b>(e)</b>	<b>TEES</b>	<b>Rate per Each</b>
	OD 50 mm	<b>65.00</b>
	OD 63 mm	<b>102.00</b>
	OD 75 mm	<b>124.00</b>
	OD 90 mm	<b>217.00</b>
	OD 110 mm	<b>257.00</b>
	OD 125 mm	<b>387.00</b>
	OD 140 mm	<b>534.00</b>
	OD 160 mm	<b>919.00</b>
	OD 180 mm	<b>1247.00</b>
	OD 200 mm	<b>1717.00</b>
	OD 225 mm	<b>2437.00</b>
	OD 250 mm	<b>3336.00</b>
	OD 280 mm	<b>4671.00</b>
	OD 315 mm	<b>6659.00</b>
	OD 355 mm	<b>9495.00</b>
	OD 400 mm	<b>13906.00</b>
	OD 450 mm	<b>19754.00</b>
	OD 500 mm	<b>27129.00</b>
<b>(f)</b>	<b>BENDS</b>	<b>Rate per Each</b>
	OD 50 mm	<b>40.00</b>
	OD 63 mm	<b>90.00</b>
	OD 75 mm	<b>116.00</b>
	OD 90 mm	<b>200.00</b>

**PUBLIC HEALTH ITEMS**

	OD 110 mm	<b>264.00</b>
	OD 125 mm	<b>389.00</b>
	OD 140 mm	<b>512.00</b>
	OD 160 mm	<b>764.00</b>
	OD 180 mm	<b>1097.00</b>
	OD 200 mm	<b>1487.00</b>
	OD 225 mm	<b>2109.00</b>
	OD 250 mm	<b>2891.00</b>
	OD 280 mm	<b>4168.00</b>
	OD 315 mm	<b>5764.00</b>
	OD 355 mm	<b>7990.00</b>
	OD 400 mm	<b>12052.00</b>
	OD 450 mm	<b>17718.00</b>
	OD 500 mm	<b>24021.00</b>
<b>II</b>	<p><b>Providing and fixing Electro fusion Ferrule Tapping Saddle confirming to prEN 12201-3, Manufactured from virgin resin of PE-80/PE-100 having blue/black colour using food grade compounded raw material with quality assurance certificate from quality agencies like DVGMB/KIWA/SPGN/WRC etc. for usage in drinking water system and having working pressure of 10 Bar. The cost shall include testing of all materials, labour all taxes (Central, State and Municipal), inspection charges, transportation upto site, transit insurance, loading, unloading, stacking, providing and fixing etc. complete as specified and directed</b></p>	
	<b>SIZE</b>	<b>Rate Each</b>
	<b>(Main pipe outer diameter in mm &amp; Tapping size in Inches)</b>	<b>Rs.</b>
	63x1/2"	759.00
	63 x3/4"	759.00
	63 x1"	759.00
	63 x1/2"	759.00
	75 x1/2"	759.00
	75 x3/4"	759.00
	75 x1	759.00
	90 x1/2"	759.00
	90 x3/4"	759.00

**PUBLIC HEALTH ITEMS**

	90 x1"	759.00
	90 x 1 1/4"	985.00
	90 x 1 1/2"	985.00
	90 x2"	985.00
	110x1/2"	759.00
	110 x3/4"	759.00
	110 x1"	759.00
	110 x 1 1/4"	985.00
	110x1 1/2"	985.00
	110x2"	985.00
	160 x1/2"	759.00
	160 x3/4"	759.00
	160 x1"	759.00
	160 x 1 1/4"	1076.00
	160 x 1 1/2"	1076.00
	160 x 2"	1076.00
	200 x 1/2"	1072.00
	200 x 3/4"	1072.00
	200 x 1"	1072.00
	200 x 1 1/4"	1550.00
	200 x 2"	1550.00
	250 x 1/2"	1072.00
	250 x3/4"	1072.00
	250 x1"	1072.00
	250 x 1 1/4"	1550.00
	250 x1 1/2"	1550.00
	250 x 2"	1550.00
	315 x 1/2"	1277.00
	315 x3/4"	1277.00
	315x1"	1277.00
	315x1 1/4"	1733.00
	315x1 1/2"	1733.00
	315x2"	1733.00



## 19. S.S. RATES FOR PVC PIPES FOR THE YEAR 2011-12

Sl. No.	Description	TEST PRESSURE			
		2.5 Kgs/cm <sup>2</sup>	4.0 Kgs/cm <sup>2</sup>	6 Kgs/cm <sup>2</sup>	10 Kgs/cm <sup>2</sup>
1	2	3	4	5	6
1	Manufacture, Supply and delivery of Unplasticised PVCs Pipes for potable water supplies conforming to IS : 4985/2000 (third revision) with bell ends (Socket) as per specification in light Grey/Natural Ivory Grey/ Any other Color (except White) inclusive of transportation to the sub-divisional stores anywhere in AP excluding Excise duty and Sales Tax etc.				
	DIA IN MM      Rate/Metre	Rs.	Rs.	Rs.	Rs.
	20				10.00
	25				16.00
	32				26.00
	40			25.00	39.00
	50			38.00	61.00
	63		40.00	58.00	89.00
	75		59.00	80.00	127.00
	90	53.00	81.00	116.00	180.00
	110	80.00	118.00	168.00	270.00
	125	104.00	153.00	213.00	353.00
	140	127.00	191.00	276.00	436.00
	160	169.00	253.00	357.00	574.00
	180	212.00	323.00	460.00	734.00
	200	271.00	392.00	559.00	894.00
	225	348.00	516.00	745.00	1187.00
	250	421.00	602.00	922.00	1452.00
	280	540.00	790.00	1163.00	1838.00
	315	681.00	1001.00	1461.00	2319.00

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The resin cost adopted for the above rates is **Rs.58,482/- per MT (Basic rate, excluding CED)**

The variation in cost of PVC pipes due to increase / decrease in raw material cost shall be allowed subject to the following price variation formula.

The price variation formula to be adopted is as follows:

$P2 = P1 + (A2 - A1) / 1000 \times M \times 0.95$  (for increase in raw material cost)

$P2 = P1 - (A1 - A2) / 1000 \times M \times 0.95$  (for decrease in raw material cost)

P2 = Revised pipe price in Rs. Per Metre

P1 = Existing pipe price in Rs. Per Metre

A2 = Revised price of raw material Rs. Per MT

A1 = Existing price of raw material Rs. Per MT

M = Weight of pipe in Kgs per Meter as per weight chart.

#### 20. S.S.RATES FOR NON- PRESSURE P.V.C.U PIPES FOR THE YEAR 2011-12

Code No	Description	
1	2	4
	Manufacture, supply, & delivery of Unplasticized Non-Pressure Polyvinyl Chloride(PVC-U) pipes of dark (any shade of Brown) for use in underground drainage & sewerage system conforming to IS 15328/2003) with solvent cement jointing as per specification inclusive of transportation to the Sub-Divisional stores any where in A.P, excluding Central Excise duty, Cess, & VAT etc.,	Proposed Rates 2011-12
	Rate per Meter	Rs.
	<b>Pipe Series (S25)</b>	
	OD 110 mm	-
	OD 125 mm	-
	OD 160 mm	222.00
	OD 200 mm	337.00
	OD 250mm	522.00
	OD 315 mm	824.00
	<b>Pipe Series (S20)</b>	
	OD 110 mm	-
	OD 125 mm	172.00
	OD 160 mm	274.00
	OD 200 mm	416.00
	OD 250mm	650.00
	OD 315 mm	1020.00
	<b>Pipe Series (S16.5)</b>	
	OD 110 mm	151.00
	OD 125 mm	204.00
	OD 160 mm	318.00
	OD 200 mm	495.00
	OD 250mm	767.00
	OD 315 mm	1211.00

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The resin cost adopted for the above rates is **Rs.58,482/- per MT (Basic rate, excluding CED)**

The variation in cost of PVC pipes due to increase / decrease in raw material cost shall be allowed subject to the following price variation formula.

The price variation formula to be adopted is as follows:

$P2 = P1 + (A2 - A1) / 1000 \times M \times 0.95$  (for increase in raw material cost)

$P2 = P1 - (A1 - A2) / 1000 \times M \times 0.95$  (for decrease in raw material cost)

P2 = Revised pipe price in Rs. Per Metre

P1 = Existing pipe price in Rs. Per Metre

A2 = Revised price of raw material Rs. Per MT

A1 = Existing price of raw material Rs. Per MT

M = Weight of pipe in Kgs per Meter as per weight chart.

**21. S.S. RATES FOR NON- PRESSURE P.V.C.U PIPES FOR THE YEAR 2011-12**

Code No	Description	
1	2	4
	Manufacture, supply, & delivery of unplasticized Non-Pressure Polyvinyl Chloride(PVC-U) pipes of dark (any shade of Brown) for use in underground drainage & sewerage systemr conforming to IS 15328/2003) <u>with Elastomeric Seal Ring Joints</u> (Ringtite PVC Pipes)as per specification inclusive of transportation to the Sub-Divisional stores any where in A.P, excluding Central Excise duty,Cess, & VAT etc.,	Proposed Rates 2011-12
	Rate per Meter	Rs.
	<b>Pipe Series (S25)</b>	
	OD 110 mm	-
	OD 125 mm	-
	OD 160 mm	237.00
	OD 200 mm	360.00
	OD 250mm	559.00
	OD 315 mm	880.00
	<b>Pipe Series (S20)</b>	
	OD 110 mm	-
	OD 125 mm	185.00
	OD 160 mm	292.00
	OD 200 mm	443.00
	OD 250mm	691.00
	OD 315 mm	1084.00
	<b>Pipe Series (S16.5)</b>	
	OD 110 mm	162.00
	OD 125 mm	217.00
	OD 160 mm	340.00
	OD 200 mm	524.00
	OD 250mm	815.00
	OD 315 mm	1286.00

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The resin cost adopted for the above rates is **Rs.58,482/- per MT (Basic rate, excluding CED)**

The variation in cost of PVC pipes due to increase / decrease in raw material cost shall be allowed subject to the following price variation formula.

The price variation formula to be adopted is as follows:

$P2 = P1 + (A2 - A1) / 1000 \times M \times 0.95$  (for increase in raw material cost)

$P2 = P1 - (A1 - A2) / 1000 \times M \times 0.95$  (for decrease in raw material cost)

P2 = Revised pipe price in Rs. Per Metre

P1 = Existing pipe price in Rs. Per Metre

A2 = Revised price of raw material Rs. Per MT

A1 = Existing price of raw material Rs. Per MT

M = Weight of pipe in Kgs per Meter as per weight chart.

**22. S.S. RATES FOR CENTRIFUGALLY CAST (SPUN)IRON PRESSURE PIPES**

Sl. No.	Description	Unit	S.S. Rates for 2011-12		
1	2	3	4	5	6
I	SOCKET AND SPIGOT CENTRIFUGALLY CAST (SPUN) IRON PRESSURE PIPES FOR WATER, GAS AND SEWAGE CONFORMING TO SPECIFICATION NO: I.S 1536/1989 (THIRD REVISION) WITH Amdt. No: 1 & 2 IN STANDARD LENGTHS OF 3.66 M, 4 M, 4.5M, 5 M, 5.5 M & 6 M AND DETAILS GIVEN BELOW, SUITABLE EITHER FOR LEAD JOINTING OR RUBBER GASKET (PUSHON) JOINTING AT PURCHASERS OPTION AT EX-FACTORY EXCLUDING TRANSPORTATION, TAXES & DUTIES.		LA Class (Rs)	A Class (Rs)	B Class (Rs)
	Nominal dia (in MM)				
	80	Rmt	747.00	810.00	870.00
	100	Rmt	909.00	999.00	1067.00
	125	Rmt	1148.00	1253.00	1349.00
	150	Rmt	1391.00	1524.00	1642.00
	200	Rmt	2031.00	2204.00	2385.00
	250	Rmt	2736.00	2980.00	3224.00
	300	Rmt	3529.00	3859.00	4180.00
	350	Rmt	4512.00	4894.00	5309.00
	400	Rmt	5492.00	6002.00	6478.00
	450	Rmt	6645.00	7301.00	7875.00
	500	Rmt	7857.00	8559.00	9260.00
	600	Rmt	10392.00	11345.00	12288.00
	700	Rmt	13672.00	14937.00	16138.00
	750	Rmt	15313.00	16742.00	18162.00
	800	Rmt	17141.00	18676.00	20203.00
	900	Rmt	20888.00	25983.00	24694.00
	1000	Rmt	25094.00	27411.00	29628.00
	Conveyance of Centrifugally Cast (Spun) Iron Pressure Pipes and accessories including loading at Factory, un-loading at site and stacking for the following sizes. (The Minimum distance/lead in Km for destination below 100 Km to be taken as 100 Km)		Class		
	SIZE IN MM UNIT		LA	A	B

	80	Per KM/RMT		0.20	0.20	0.20
	100	Per KM/RMT		0.20	0.20	0.20
	125	Per KM/RMT		0.30	0.30	0.30
	150	Per KM/RMT		0.30	0.30	0.30
	200	Per KM/RMT		0.50	0.50	0.50
	250	Per KM/RMT		0.60	0.60	0.60
	300	Per KM/RMT		0.80	0.90	0.90
	350	Per KM/RMT		1.10	1.10	1.20
	400	Per KM/RMT		1.30	1.30	1.40
	450	Per KM/RMT		1.50	1.60	1.70
	500	Per KM/RMT		1.80	1.90	2.00
	600	Per KM/RMT		1.80	1.90	2.00
	700	Per KM/RMT		1.80	1.90	2.00
	750	Per KM/RMT		3.00	3.20	3.40
	800	Per KM/RMT		5.10	5.10	5.10
	900	Per KM/RMT		5.10	5.10	5.10
	1000	Per KM/RMT		5.10	5.10	5.10

**Note:**The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

**Price Variation Formula due to Increase / Decrease in the cost of pig iron.**

$$P2 = P1 + (R2 - R1) / 1000 * M * 1.0$$

**Where**

**M =** Weight of pipe in kg per metre.

**P2 =** Revised rate of pipe in Rs. per Rmt.

**P1 =** Rate of pipe in Rs. per Rmt. as per above table.

**R2 =** Price of Pig Iron (Rs per MT excluding CED&ST) at the time of preparation of estimate.

**R1 =** Price of Pig Iron (Rs per MT excluding CED&ST) at the time of preparation of SSR = Rs. 27,750/-

### 23.S.S. RATES FOR DUCTILE IRON PRESSURE PIPES

Sl. No.	Description	Unit	S.S. Rate for 2011-12	
1	2	3	4	5
1	CENTRIFUGALLY CAST (SPUN) DUCTILE IRON PRESSURE PIPES FOR WATER, GAS AND SEWAGE WITH <u>SOCKET SPIGOT ENDS</u> CONFORMING TO I.S.: 8329/2000 IN STANDARD WORKING LENGTHS OF 4, 5 5.5 & 6 METER FOR CLASSIFICATION K9 & K7 SUITABLE FOR PUSH-ON-JOINT (RUBBER GASKET D JOINTING) WITH CEMENT MORTAR LINING INSIDE THE PIPES WITH OUTSIDE ZINC COATING. RATES ARE EX-FACTORY, EXCLUDING TRANSPORTATION, TAXES & DUTIES.			
	<b>Nominal Dia in mm</b>	<b>Rmt</b>	<b>K9</b>	<b>K7</b>
	100	Rmt	987.00	830.00
	150	Rmt	1461.00	1151.00

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	200	Rmt	1951.00	1602.00
	250	Rmt	2560.00	2148.00
	300	Rmt	3242.00	2759.00
	350	Rmt	4042.00	3470.00
	400	Rmt	4872.00	4211.00
	450	Rmt	5829.00	5063.00
	500	Rmt	6781.00	6033.00
	600	Rmt	8944.00	8026.00
	700	Rmt	11559.00	10383.00
	750	Rmt	12972.00	11632.00
	800	Rmt	14314.00	12857.00
	900	Rmt	17456.00	15686.00
	1000	Rmt	20696.00	18596.00
	1100 (NEW ITEM)	Rmt	22151.00	22151.00
2	CENTRIFUGALLY CAST (SPUN) DUCTILE IRON PRESSURE PIPES FOR WATER, GAS AND SEWAGE <b><u>WITH PLAIN ENDS</u></b> CONFORMING TO I.S.:8329/2000IN STANDARD WORKING LENGTHS OF 4, 5, 5.5 & 6 METER FOR CLASSIFICATION K9 & K7 WITH CEMENT MORTAR LINING INSIDE THE PIPES WITH OUTSIDE ZINC COATING. RATES ARE EX-FACTORY, EXCLUDING TRANSPORTATION, TAXES & DUTIES.			
	<b>Nominal Dia in mm</b>		<b>K9</b>	<b>K7</b>
	100	Rmt	908.00	709.00
	150	Rmt	1332.00	1021.00
	200	Rmt	1810.00	1448.00
	250	Rmt	2402.00	1884.00
	300	Rmt	3039.00	2478.00
	350	Rmt	3776.00	3111.00
	400	Rmt	4550.00	3764.00
	450	Rmt	5378.00	4506.00
	500	Rmt	6418.00	5362.00
	600	Rmt	8284.00	7101.00
	700	Rmt	10509.00	9396.00
	750	Rmt	11775.00	10508.00
	800	Rmt	13000.00	11623.00
	900	Rmt	15721.00	14054.00
	1000	Rmt	18688.00	16709.00
	1100 (NEW ITEM)	Rmt	19906.00	18272.00
3	CENTRIFUGALLY CAST (SPUN) DUCTILE IRON PRESSURE PIES WITH <b><u>FLANGED (WELDED) ENDS</u></b> FOR WATER, GAS, SEWAGE CONFORMING TO I.S.: 8329/2000 IN STANDARD WORKING LENGTHS OF 1,2,3, 4, 5 Mts FOR CLASSIFICATION K9 WITH			

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	CEMENT MORTAR LINING INSIDE THE PIPES WITH OUTSIDE ZINC COATING.RATESAREEX-FACTORY, EXCLUDING TRANSPORTATION, TAXES & DUTIES.			
	<b>Nominal Dia in mm</b>		<b>1.0 Mt. Length</b>	<b>2.0 Mt. Length</b>
	100	Each	3446.00	4496.00
	150	Each	4874.00	6405.00
	200	Each	6453.00	8542.00
	250	Each	8427.00	11215.00
	300	Each	10542.00	14062.00
	350	Each	16496.00	20868.00
	400	Each	20408.00	25689.00
	450	Each	24644.00	30875.00
	500	Each	29856.00	37171.00
	600	Each	42259.00	51881.00
	700	Each	50389.00	62597.00
	800	Each	62125.00	77227.00
	900	Each	74047.00	92307.00
	1000	Each	95020.00	116727.00
			<b>3.0 Mt. Length</b>	<b>4.0 Mt. Length</b>
	100	Each	5546.00	6089.00
	150	Each	7936.00	8840.00
	200	Each	10634.00	11999.00
	250	Each	14002.00	15854.00
	300	Each	17580.00	20016.00
	350	Each	25242.00	27743.00
	400	Each	30971.00	33593.00
	450	Each	37103.00	40115.00
	500	Each	44488.00	47944.00
	600	Each	61499.00	65631.00
	700	Each	74806.00	80381.00
	800	Each	92325.00	99297.00
	900	Each	110568.00	119191.00
	1000	Each	138434.00	147691.00
			<b>5.0 Mt. Length</b>	
	100	Each	7117.00	
	150	Each	10360.00	
	200	Each	14089.00	

	250	Each	18638.00		
	300	Each	23543.00		
	350	Each	32114.00		
	400	Each	38868.00		
	450	Each	46341.00		
	500	Each	55247.00		
	600	Each	75230.00		
	700	Each	92567.00		
	800	Each	114368.00		
	900	Each	141409.00		
	1000	Each	169357.00		
4	Conveyance of Ductile Iron Pressure Pipes and accessories including loading at Factory, un-loading at site and stacking for the following sizes. (The Minimum distance/lead in Km for destination below 100 Km to be taken as 100 Km)		Class		WELDED DOUBLE FLANGED PIPES
	SIZE IN MM	UNIT	K7	K9	K9
	100	Per KM/RMT	0.20	0.20	0.30
	150	Per KM/RMT	0.30	0.30	0.40
	200	Per KM/RMT	0.30	0.40	0.60
	250	Per KM/RMT	0.40	0.50	0.80
	300	Per KM/RMT	0.60	0.60	1.00
	350	Per KM/RMT	0.70	0.80	1.20
	400	Per KM/RMT	0.80	0.90	1.40
	450	Per KM/RMT	1.00	1.10	1.70
	500	Per KM/RMT	1.20	1.30	2.00
	600	Per KM/RMT	1.70	1.70	2.60
	700	Per KM/RMT	2.50	2.50	3.80
	750	Per KM/RMT	3.00	3.00	4.60
	800	Per KM/RMT	5.10	5.10	7.60
	900	Per KM/RMT	5.10	5.10	7.60
	1000	Per KM/RMT	5.10	5.10	7.60
	1100(NEW ITEM)	Per KM/RMT	5.10	5.10	-
5	Supply and Delivery of Polyethylene (PE)Sleeves for Ductile Iron Pipes used to guard the pipe against corrosion.			NEW ITEM	
	DIA IN MM				
	100 MM DIA			RMT	35.00
	150 MM DIA			RMT	44.00
	200 MM DIA			RMT	55.00
	250 MM DIA			RMT	64.00



	300 MM DIA		RMT	70.00
	350 MM DIA		RMT	79.00
	400 MM DIA		RMT	110.00
	450 MM DIA		RMT	110.00
	500 MM DIA		RMT	134.00
	600 MM DIA		RMT	134.00
	700 MM DIA		RMT	173.00
	750 MM DIA		RMT	173.00
	800 MM DIA		RMT	173.00
	900 MM DIA		RMT	196.00
	1000 MM DIA		RMT	196.00
	1100 MM DIA		RMT	196.00
6	<b>Additional price for HAC(high alumina cement motar lining)</b>		<b>NEW ITEM</b>	
	<b>DIA IN MM</b>			
	100 MM DIA		RMT	42.00
	150 MM DIA		RMT	55.00
	200 MM DIA		RMT	67.00
	250 MM DIA		RMT	79.00
	300 MM DIA		RMT	86.00
	350 MM DIA		RMT	97.00
	400 MM DIA		RMT	134.00
	450 MM DIA		RMT	134.00
	500 MM DIA		RMT	165.00
	600 MM DIA		RMT	165.00
	700 MM DIA		RMT	212.00
	750 MM DIA		RMT	212.00
	800 MM DIA		RMT	212.00
	900 MM DIA		RMT	243.00
	1000 MM DIA		RMT	243.00
	1100 MM DIA(NEW ITEM)		RMT	243.00

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

**Price Variation Formula due to Increase / Decrease in the cost of pig iron.**

**$P2 = P1 + (R2 - R1) / 1000 * M * 0.96$ , Where**

**M = Weight of pipe in kg per metre as per I.S.8329-2000.**

**P2 = Revised rate of pipe in Rs. per Rmt.**

**P1 = Rate of pipe in Rs. per Rmt. as per above table.**

**R2 = Price of Pig Iron(Rs per MT excluding CED&ST) at the time of preparation of estimate.**

**R1 = Price of Pig Iron(Rs per MT excluding CED&ST) at the time of preparation of SoR =Rs.27,750.**

## 24. S.S. RATES FOR DUCTILE IRON FITTINGS FOR THE YEAR 2011-12

Sl. No.	Description	Unit	
1	2	3	
	CENTRIFUGALLY CAST (SPUN) DUCTILE IRON FITTINGS CONFORMING TO IS:9523/2000 HAVING DIMENSIONS AS PER TABLE. THE RATES MENTIONED HERE UNDER ARE FOR FITTINGS, ZINC COATED EXTERNALLY WITH INSIDE MORTAR LINING (WITH FINISHING AS PER CLASS 13/IS 9523/2000) ( Ex-works) Excluding transportation, taxes and duties etc.		
I	DI double socket branch flange Tee		
	Upto 500 x 500 mm dia	Kg	88.00
	Above 500 x 500 mm dia	Kg	98.00
II	DI All Socket Tees		
	Upto 300 x 300 mm dia	Kg	88.00
	Above 300 x 300 mm dia	Kg	98.00
III	DI Double socket Tapers (Reducer)		
	Upto 500 x 450 mm dia	Kg	88.00
	Above 500 x 450 mm dia	Kg	98.00
IV	DI Flanged Socket		
	Upto 500 mm dia	Kg	88.00
	Above 500 mm dia	Kg	98.00
V	DI Flanged Spigot		
	Upto 500 mm dia	Kg	88.00
	Above 500 mm dia	Kg	98.00
VI	DI Double Socket Duck Foot Bend		
	Upto 300mm dia	Kg	88.00
	Above 300mm dia	Kg	98.00
VII	DI Double Flange Duck/Foot bend		
	Upto 300 mm dia	Kg	88.00
	Above 300 mm dia	Kg	98.00
VIII	DI All socket Cross.		
	Upto 300 x 300 mm dia	Kg	88.00
	Above 300 x 300 mm dia	Kg	98.00
IX	DI All Flange Tee		
	Upto 500 x 500 mm dia	Kg	88.00
	Above 500 x 500 mm dia	Kg	98.00
X	DI All Flange Cross		
	Upto 300 x 300 mm dia	Kg	88.00

	Above 300 x 300 mm dia	Kg	98.00
XI	DI Double Flange Reducer		
	Upto 500 x 450 mm dia	Kg	88.00
	Above 500 x 450 mm dia	Kg	98.00
XII	Blank Flange		
	Upto 500 mm dia	Kg	88.00
	Above 500 mm dia	Kg	98.00
XIII	Mechanical Joints		
	Upto 300 mm dia	Kg	88.00
	Above 300 mm dia	Kg	98.00
XIV	DI Double Socket Bends		
	Upto 500mm dia	Kg	88.00
	Above 500 mm dia	Kg	98.00
XV	DI Double Flanged Bends		
	Upto 500mm dia	Kg	88.00
	Above 500 mm dia	Kg	98.00

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

**25. S.S. RATES FOR RUBBER GASKETS SUITABLE FOR  
C.I/ D.I. S/S PIPES**

Sl. No.	Description	Unit	S.S Rates For 2011-12
1	2	3	4
1	MANUFACTURE AS PER BIS 12820/89 WITH S.B.R. QUALITY RUBBER CONFIRMING TO BIS: 5382/85, SUPPLY AND DELIVERY OF RUBBER GASKETS SUITABLE FOR C.I/ D.I. S/S PIPES ANYWHERE IN A.P. F.O.R. DESTINATION DEPARTMENTAL STORES INCLUDING COST OF MATERIAL, LOADING, INCIDENTAL HANDLING WITH COMPANYS STANDARD PACKING, TRANSPORTATION, UNLOADING & STACKING BUT EXCLUDING CENTRAL EXCISE DUTY, SALES TAX, OCTROI AND OTHER GOVT. LEVIES ETC., COMPLETE.		
	80mm dia	Each	47.00
	100mm dia	Each	74.00
	125mm dia	Each	87.00
	150mm dia	Each	107.00

**PUBLIC HEALTH ITEMS**

	200mm dia	Each	<b>131.00</b>
	250mm dia	Each	<b>145.00</b>
	300mm dia	Each	<b>222.00</b>
	350mm dia	Each	<b>281.00</b>
	400mm dia	Each	<b>306.00</b>
	450mm dia	Each	<b>330.00</b>
	500mm dia	Each	<b>458.00</b>
	600mm dia	Each	<b>542.00</b>
	700mm dia	Each	<b>721.00</b>
	750mm dia	Each	<b>800.00</b>
	800mm dia	Each	<b>959.00</b>
	900mm dia	Each	<b>1158.00</b>
	1000mm dia	Each	<b>1267.00</b>

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

**6. RATES FOR CI PIPES AND SPECIALS FOR THE YEAR 2011-12**

Sl. No.	Description	Quality or sort	Rate/ Kg including packing, forwarding, transit risk and delivery any where in A.P. for the year 2011-12. Rs.
1	2	3	4
	<b>MANUFACTURE, SUPPLY AND DELIVERY OF CAST IRON PIPES AND FITTINGS (Spis.) CONFORMING TO I.S. No. 7181/1986, 5531/1988, 3950/1979 AND C.I.D. JOINTS CONFIRMING TO IS No.8794/1988 AT SITE OF WORK ANYWHERE IN A.P. INCLUDING, LOADING, UNLOADING, TRANSPORTATION TO SITE OF WORK STACKING AT SITE TRANSIT RISK AND PACKAGE, EXCLUDING TAXES AND DUTIES.</b>	<b>I.S. No. 7181/1986 5531/1988 3950/1979 &amp; 8794/1988</b>	<b>58.00</b>

**Foot Note:** The rate of CI pipes, CI Specials and CID Joints etc., which are to be incorporated in the SSR are based on the following raw materials cost.

**Pig Iron:** Rs.27,750.00/- per M.T.(excluding CED, Tax & Fright)

**Coke :** Rs.29,100.00/- per M.T. .(Excluding CED, Tax & Fright)

The rates may be revised depending upon the increase/decrease in the cost of raw materials as per the following method.  
For every increase/decrease of Rs.1000/- in the cost of raw materials or part there of proportionately.

**In respect of Pig Iron:** The increase/decrease in cost of CI Specials per Kg is 3.43%.

**In respect of coke:** The increase/decrease in cost of CI Specials per Kg is 0.67%.

The above price is at site of work , Excise duty, CST/VAT extra as applicable at the time of supply.

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

**27. RATES FOR C.I. D/F VALVES FOR THE YEAR 2011-12**

Rate Each in Rs.				
Sl.No.	Description	Rs.	Rs.	Rs.
1	2	3	4	5
1	Manufacture, Supply and delivery of CI D/F Sluice valves conforming to IS 14846/2000 with amendments No. 1&2 heavy duty with CI grade FG 260 as per IS: 210. Two coats of primer suitable for EPOXY PAINTS finish shall be applied to all metal surface and finally two coats of Epoxy Paint. The Valves shall be tested for (closed end Test) against Hydrostatic test requirement. The rates are excluding transportation, Central Excise duty and sale tax etc., The operation can be done with <u>hand wheel/cap</u> . ISI Marked.			
	DIA IN MM Rate/Each	PN-1.0	PN-1.6	
	50	3,822	4,586	
	65	4,223	5,068	
	80	4,468	5,360	
	100	5,957	7,147	
	125	7,445	8,934	
	150	8,934	10,721	
	200	15,660	18,472	
	250	22,149	26,612	
	300	30,404	35,109	
2	Manufacture, Supply and delivery of CI D/F <u>Sluice valves</u> Non-rising stem conforming to IS 14846/2000 with amendments No. 1&2 heavy duty with CI grade FG 260 as per IS: 210 . Two coats of primer suitable for EPOXY PAINTS finish shall be applied to all metal surface and finally two coats of Epoxy Paint. The Valves shall be tested for (closed end Test) against Hydrostatic test requirement. The rates are excluding transportation, Central Excise duty and sale tax etc., including the cost <u>for enclosed Spur Gear Arrangement with thrust bearing for easy operation</u> . ISI Marked.			
	DIA IN MM Rate/Each	Rs.	Rs.	
	350	68,369	75,210	
	400	81,043	94,025	
	450	1,01,760	1,18,032	
	500	1,16,742	1,35,626	
	600	1,70,994	2,01,095	
	700	2,83,183		
	750	3,97,896		

## PUBLIC HEALTH ITEMS

	800	4,63,964		
	900	5,51,258		
	1000	8,51,760		
	1100	9,62,325		
	1200	11,46,600		
<b>Note:</b>	<b>By Pass arrangement extra @ 7.5% for above 500mm dia. Valves.</b>			
<b>3</b>	<b>Manufacture, Supply and delivery of CI D/F Non Return Valve Heavy Duty Round Body conforming to IS 5312/Part1/1984. excluding transportation, Central Excise duty and sale tax etc., complete.</b>			
	<b>DIA IN MM</b>	<b>Rate/Each</b>	<b>P.N 0.6</b>	<b>PN-1.0</b>
	50			2,348
	65			2,935
	80			3,523
	100			4,696
	125			5,870
	150		7,043	8,803
	200		14,049	17,561
	250		20,375	25,471
	300		30,655	38,317
	350	42,174		51,771
	400	53,890		67,356
	450	90,771		1,13,471
	500	1,09,492		1,36,873
	600	1,74,929		2,18,668
<b>4</b>	<b>Manufacture, Supply and delivery of CI D/F Kinetic Air Valve Heavy Duty suitable for working pressure up to 16kg/Cm2 without isolating valve, conforming to IS 14845 excluding transportation, Central Excise duty and sale tax etc., complete.</b>			
	<b>DIA IN MM</b>	<b>Rate/Each</b>	<b>PN-1.0</b>	<b>PN-1.6</b>
	40		2,770	3,034
	50		3,347	3,666
	80		4,477	5,504
	100		6,000	6,571
	150		13,517	14,804
	200		22,383	24,515
<b>5</b>	<b>Manufacture, Supply and delivery of CI D/F Kinetic Air Valve as per IS:14845 Heavy Duty with isolating valve bevel gear operated as per IS 14846 excluding transportation, Central Excise duty and sales tax etc., complete.</b>			

**PUBLIC HEALTH ITEMS**

	DIA IN MM	Rate/Each	PIN 1.0	PIN 1.6
	40		7,881	9,065
	50		9,197	10,578
	80		12,116	13,928
	100		16,689	19,202
	150		32,883	37,828
	200		49,036	56,396
6	Conveyance of valves and accessories including loading at factory and unloading, stacking at site of work.		10% on basic cost of valves	

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate. For FG 260, Grade of CI shall be certified by reputed 3rd Party Quality Control Agency (as approved by indenting authority) at the cost of the supplier.

**8. S.S RATES FOR C.I. D/F SOFT SEATED GATE / SLUICE VALVES FOR THE YEAR 2011-12**

Sl. No.	Description	PN-1.0	PN-1.6
1	2	3	4
1	Manufacture, supply and delivery of CI D/F Gate (Sluice) Valve (Soft Seated) according to standards of BS5163 – 86 type B, also available as per DIN 3352 Part-4/AWWA C509/ISO5752 with body bonnet of Cast Iron of grade FG 260 as per IS 210-1978 wedge fully rubber lined with EPDM Food grade Quality and seals of NBR and the valves should be of vacuum tight and 100% Leak proof with Face to face dimensions as per IS : 14846-2000. Flanges of the valve is according to IS1538-93(Table 6) All the valves should be with Electrostatic powder coating both inside and outside with pocket less body passage, excluding transportation, Central Excise duty and sale tax etc., complete.		
	DIA IN MM	Rs.	Rs.
	50	4,704.00	5,173.00
	80	6,024.00	6,626.00
	100	7,958.00	8,754.00
	150	13,016.00	14,316.00
	200	20,975.00	23,072.00
	250	28,802.00	31,682.00
	300	48,720.00	53,591.00
	350	1,48,785.00	1,61,070.00
	400	1,61,070.00	1,73,355.00
	450	2,05,065.00	2,13,570.00
	500	2,13,570.00	2,22,075.00

	600	2,64,600.00	2,90,115.00
2	Conveyance of valves and accessories including loading at factory and unloading, stacking at site of work.	10% on basic cost of valves	

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate. For FG 260, Grade of CI shall be certified by reputed 3rd Party Quality Control Agency (as approved by indenting authority) at the cost of the supplier

#### 29. S.S.RATES FOR C.I. BUTTERFLY VALVES FOR THE YEAR 2011-12.

Sl. No.	Description	TEST PRESSURES	
1	2	3	4
1	Manufacture, Supply and delivery of CI Wafer Lug type Butterfly Valves conforming to IS 13095/1991 (Reaffirmed 1998) <b>excluding transportation, CED and taxes</b> etc., complete. Operation done with worm actuator ISI marked Rate at Ex-Factory.	PN-1.0	PN-1.6
	DIA IN MM      Rate / Each	Rs.	Rs.
	40	2,397.00	2,894.00
	50	2,607.00	3,145.00
	65	3,067.00	3,764.00
	80	3,812.00	4,601.00
	100	5,088.00	6,441.00
	125	6,364.00	8,030.00
	150	7,631.00	9,703.00
	200	11,849.00	16,729.00
	250	17,007.00	26,486.00
	300	26,207.00	34,851.00
	350	35,129.00	48,024.00
	400	42,797.00	58,534.00
	450	55,064.00	75,207.00
	500	74,162.00	1,01,303.00
	600	1,08,036.00	1,25,544.00
	700	1,57,523.00	1,88,635.00
	800	2,16,281.00	2,36,981.00
	900	2,68,486.00	2,95,530.00
	1000	3,28,149.00	3,81,957.00
	1100	3,87,812.00	5,01,842.00
	1200	4,48,870.00	5,91,059.00



2	Manufacture, Supply and delivery of CI Wafer type <b>Butterfly Valves</b> conforming to IS 13095/1991 excluding transportation, CED and taxes etc., complete. Operation <b>without worm actuator.</b> ( ISI marked) Rate at Ex-Factory.		PN-1.0	PN-1.6
	<b>DIA IN MM</b>	<b>Rate / Each</b>		
	80		2,557.00	2,921.00
	100		3,486.00	3,985.00
	125		4,791.00	5,477.00
	150		5,375.00	6,143.00
	200		14,813.00	16,929.00
	250		23,518.00	26,877.00
	300		30,982.00	35,408.00
3	Manufacture, Supply and delivery of CI <b>D/F Butterfly Valves manually gear operated</b> conforming to IS 13095/1991 <b>excluding transportation, CED and taxes</b> etc., complete. ISI marked Rate at Ex-Factory.		PN-1.0	PN-1.6
		<b>DIA IN MM</b>		
	300		36,722.00	41,969.00
	350		56,822.00	64,939.00
	400		68,033.00	77,751.00
	450		79,489.00	90,845.00
	500		93,736.00	1,07,127.00
	600		1,10,343.00	1,26,107.00
	700		1,65,613.00	1,89,272.00
	750		1,95,200.00	2,23,085.00
	800		2,07,905.00	2,37,607.00
	900		2,59,760.00	2,96,868.00
	1000		3,34,565.00	3,82,360.00
	1100		4,41,591.00	5,04,674.00
	1200		5,18,251.00	5,92,286.00
	1300		7,31,853.00	8,36,404.00
	1400		8,29,922.00	9,48,482.00
	1500		9,46,920.00	10,82,195.00
	1600		12,30,294.00	14,06,050.00
	1800		13,98,328.00	15,98,088.00
	2000		18,83,693.00	21,52,792.00

**NOTE** All the prices are ex-factory. Excise duty and CST / Local Tax extra as applicable at the time of supply. **Packing and transportation extra at 10% on basic cost.**

The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

## 30. S.S RATES FOR WATER HAMMER CONTROL DEVICES FOR THE YEAR 2011-12

(Rate Each in Rs.)

Sl. No.	Description	TEST PRESSURE				Additional charges for Flanged ended valves
		10 Kgs/cm <sup>2</sup>	15 Kgs/cm <sup>2</sup>	20 Kgs/cm <sup>2</sup>	25 Kgs/cm <sup>2</sup>	
1	2	3	4	5	6	7
1	Manufacture, Supply and delivery of zero velocity valve/ PSLV with CI body with flanged ends as per AWWA, Ex-factory excluding transportation, Central Excise duty and sale tax etc., complete.					
	DIA IN MM      Rate/Each	Rs.	Rs.	Rs.	Rs.	
	150	63,742	74,405	78,801	86,683	
	200	66,591	76,579	82,324	90,554	
	250	75,133	86,403	92,884	102,172	
	300	84,553	97,236	104,531	114,982	
2	Manufacture, Supply and delivery of zero velocity valve/ PSLV with MS Fabricated Body with Plain ends. as per AWWA, Ex-factory excluding transportation, Central Excise duty and sale tax etc. Complete					
	DIA IN MM      Rate/ Each	Rs.	Rs.	Rs.	Rs.	Rs.
	350	90,057	1,03,565	1,11,332	1,22,465	7,803
	400	99,545	1,14,475	1,23,061	1,35,372	9,409
	450	1,15,778	1,33,146	1,43,131	1,57,445	11,244
	500	1,33,810	1,53,880	1,65,422	1,81,965	12,163
	525/550	1,43,728	1,63,390	1,79,953	1,97,949	15,719
	600	1,60,928	1,85,066	1,98,946	2,18,841	22,424
	650	1,80,140	1,98,156	2,25,234	2,43,134	25,358
	700	2,09,974	2,31,086	2,62,525	2,83,522	30,291
	750	2,32,577	2,55,868	2,90,750	3,14,042	34,009
	800	2,83,320	3,25,820	3,50,254	3,85,277	38,323
	900	3,36,744	3,87,255	4,08,472	4,57,930	46,355
	1000	4,08,472	4,08,472	4,08,472	5,67,617	58,861
	1050	4,12,557	4,12,557	4,12,557	5,97,655	61,216
	1100	5,20,412	5,90,106	6,43,375	7,07,714	68,156
	1200	6,26,363	6,89,013	7,84,933	8,45,631	77,105
	1400	9,39,545	10,33,517	11,77,400	12,68,444	1,08,429

**PUBLIC HEALTH ITEMS**

	1500	10,94,730	12,04,192	13,68,382	14,77,731	1,10,598
	1600	11,16,624	12,28,274	13,95,750	15,07,284	1,15,658
<b>3</b>	<b>Manufacture, Supply and delivery of Air Cushion valves / Quick Released damped Air Valves (QRDA) as per AWWA, Ex-factory excluding transportation, Central Excise duty and sale tax etc., complete.</b>					
	<b>DIA IN MM      Rate/Each</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	
	100	58,289	67,033	73,735	81,106	
	150	88,580	1,01,867	1,12,052	1,23,258	
	200	94,546	1,08,727	1,19,601	1,31,560	
<b>4</b>	<b>Conveyance of valves and accessories including loading at factory and unloading, stacking at site of work.</b>	<b>10% on basic cost of valves</b>				

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

**31. S S RATES FOR CAST STEEL VALVES FOR THE YEAR 2011-12.**

Sl.No.	Description	TEST PRESSURES			
1	2	3	4	5	6
<b>1</b>	<b>Manufacture, Supply and delivery of Cast Carbon Steel rising / Non rising spindle sluice valve design standard as per IS:14846/2000 for Water Supply Scheme with SS Spindle &amp; SS Working parts the grade of Cast Steel for body Bonnet, Dome, Stool Cover, Wedge, Stuffing Box, Gland Thrust Plate, shall be as per IS : 1030 / 1989. (The valve shall be used for High pressure schemes &amp; pumping stations) excluding transportation, Central Excise duty and sale tax etc., complete. ISI Marked</b>	<b>Class-150 Body 425PSI Seat 300 PSI PN-20</b>	<b>Class-300 Body 1100 PSI Seat 750 PSI PN-30</b>	<b>FOR Enclosed Spur Gear Arrangement.</b>	
	<b>Rate/Each</b>			<b>Class 150</b>	<b>Class 300</b>
	<b>DIA IN MM</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	
	40	5,196.00	10,392.00		
	50	8,562.00	15,588.00		
	65	10,715.00	19,485.00		
	80	12,851.00	23,382.00		

## PUBLIC HEALTH ITEMS

	100	17,140.00	31,175.00		
	125	21,982.00	39,969.00		
	150	25,718.00	46,763.00		
	200	41,536.00	84,434.00	50,837.00	92,888.00
	250	58,462.00	1,32,895.00	67,762.00	1,41,350.00
	300	73,850.00	1,67,868.00	83,150.00	1,76,322.00
	350	98,476.00	2,23,824.00	1,11,158.00	2,35,353.00
	400	2,00,043.00	4,54,642.00	2,12,725.00	4,66,171.00
	450	2,24,223.00	4,99,607.00	2,36,906.00	5,11,136.00
	500	2,63,792.00	5,99,528.00	2,76,474.00	6,11,057.00
	600	3,01,162.00	6,83,462.00	3,13,845.00	6,94,991.00
	700	5,82,541.00		5,95,223.00	
	750	6,26,506.00		6,44,261.00	
	800	7,25,428.00		7,43,183.00	
	900	8,57,325.00		8,75,080.00	
	1000	10,99,134.00		11,16,889.00	
	1100	11,87,065.00		12,04,820.00	
	1200	13,40,943.00		13,58,698.00	
<b>2</b>	<b>Manufacture, Supply and delivery of Cast Carbon Steel Bolted Cover Non Return Valve as per IS : 5312 / Part1 / 1984. Round body heavy duty material spec. As per IS:1030/1989 with SS Hinge &amp; Seat Rings. excluding transportation, Central Excise duty and sale tax etc., complete</b>				
	<b>DIA IN MM</b>	<b>Rate/Each Rs.</b>	<b>PN-20</b>	<b>PN-30</b>	
	40	5,166.00	9,393.00		
	50	7,687.00	13,989.00		
	65	9,607.00	17,487.00		
	80	11,529.00	20,984.00		
	100	15,818.00	27,979.00		
	125	19,785.00	35,972.00		
	150	21,753.00	39,569.00		
	200	32,974.00	71,943.00		
	250	46,164.00	119,906.00		
	300	65,948.00	149,882.00		
	350	87,931.00	199,843.00		
	400	180,258.00	409,677.00		
	450	202,241.00	459,638.00		

	500	237,413.00	539,575.00		
	600	274,783.00	624,507.00		
3	<b>Manufacture, Supply and delivery of Cast Steel Multi Door Type Non return Valve as per IS; 5312/ Part II / 1984 Heavy duty material spec. as per 1030/1989 with SS hinges &amp; Seat Rings excluding transportation, Central Excise duty and sale tax etc., complete.</b>	PN-20			
		Rate/Each			
	<b>DIA IN MM</b>	Rs.			
	500	399,685.00			
	600	499,607.00			
	700	599,528.00			
	750	739,418.00			
	800	10,99,134.00			
	900	13,18,961.00			
	1000	14,38,866.00			
	1100	16,98,662.00			
	1200	17,18,646.00			
4	<b>Manufacture, Supply and delivery of Cast Steel D/F Butter fly Valves conforming to IS; 13095/1991 manually heavy duty Gear operation, excluding transportation, Central Excise duty and sale tax etc., complete.</b>				
	<b>DIA IN MM</b>	PN-1.0/1.6	PN-2.5		
	<b>Rate/Each</b>				
	300	76,285.00	95,095.00		
	350	102,619.00	128,953.00		
	400	123,310.00	159,885.00		
	450	149,435.00	189,145.00		
	500	170,335.00	217,360.00		
	600	198,550.00	254,980.00		
	700	311,410.00	386,650.00		
	750	386,650.00	480,700.00		
	800	424,270.00	527,725.00		
	900	480,700.00	602,965.00		
	1000	762,850.00	950,950.00		
	1100	950,950.00	12,33,100.00		
	1200	11,39,050.00	12,33,100.00		

	1300	15,25,700.00	17,03,350.00		
	1400	16,09,300.00	17,97,400.00		
	1500	17,03,350.00	18,91,450.00		
	1600	19,85,500.00	22,67,650.00		
	1800	24,55,750.00	26,43,850.00		
	2000	33,96,250.00	36,78,400.00		
5	Conveyance of valves and accessories including loading at factory and unloading, stacking at site of work.	10% on basic cost of valves			

**Note :** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

### 32. SS RATES FOR DI D/F VALVES FOR THE YEAR 2011-12.

Sl. No.	Description	Rate/Each in Rs.			
		TEST PRESSURE			
		PN 10	PN 16		
1	2	3	4	5	6
1	Manufacture, supply and delivery of Single Chamber DI Air Valve with Body and cover in Ductile Iron of grade SG 400/12 or equivalent grade as per I.S.3896-part2-1985 and subsequent revisions. All internal parts such as float, shell etc., all cover bolts, of stainless steel, and Gaskets and seals of EPDM food grade quality Epoxy powder coating (EP-P) inside and outside colour blue. Drilled as per IS:1538.				
	DIA IN MM	PN 10	PN 16	PN 25	
	50	25,473	25,473	32,775	
	80	33,983	33,983	33,983	
	100	39,675	39,675	45,626	
	150	48,300	48,300	55,200	
	200	52,900	52,900	61,525	
2	Manufacture, Supply and delivery of DI D/F Gate Valves (Soft Seated) Resilient seated soft sealing gate valves (Sluice valves) with body bonnet of ductile cast iron of grade GGG40/ SG 400/12 or equivalent grade as per I.S.3896-part2-1985 and subsequent revisions, wedge fully rubber lined with EPDM food grade quality and seals of NBR and the valves should be of vacuum tight and 100% leak proof with face to face dimensions as per BS5163-89/IS14846-2000/DIN 3202 F 4. All the valves should be with Electrostatic powder coating both inside and outside pocket less body passage. Drilled as per IS:1538.				
	DIA IN MM	PN 10	PN 16	PN 25	
	50	6,098	6,098	10,306	

	80	7,809	7,809	12,706	
	100	10,301	10,301	14,407	
	150	16,220	16,220	24,030	
	200	26,954	26,954	40,532	
	250	37,331	37,331	60,203	
	300	56,420	56,420	97,650	
	350	170,823	170,823	285,755	
	400	179,166	179,166	290,653	
	450 With By-pass & Gear	308,243	308,243	579,405	
	500 With By-pass & Gear	327,334	327,334	615,289	
	600 With By-pass & Gear	421,512	421,512	792,315	
3	Manufacture, Supply and delivery of DI D/F <u>Butterfly Valves</u> with GGG40/SG 400/12 or Equivalent grade as per I.S.3896-part 2-1985 and subsequent revisions, Double eccentrically Disc., with renewable soft seal on the disc and Body seat face of stainless steel / nickel weld overlay, with powder or liquid Epoxy coating with minimum thickness of 250 microns applied on both body and disc inside and outside. Face to face dimensions as per AWWA C 504 or BS 5155 or IS:13095. Drilled as per IS: 1538/ISO				
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>	<u>PN 25</u>	<u>PN 40</u>
	150	65,006	65,006	67,104	89,089
	200	70,802	73,100	85,891	108,326
	250	82,494	84,892	99,432	151,796
	300	98,433	101,331	113,023	159,391
	350	112,623	122,866	143,102	173,482
	400	141,850	160,710	187,113	265,227
	450	155,726	172,835	220,118	
	500	157,207	185,564	295,084	327,750
	600	206,041	290,909	342,502	359,127
	700	406,760	429,196	645,064	
	800	440,977	459,560	941,495	
	900	576,712	576,712		
	1000	722,935	722,935	13,65,228	
	1100	831,375	—		
	1200	968,651	968,651	15,25,131	
	1400	20,81,819	20,81,819		
	1600	24,82,376	24,82,376		

	1800	30,44,778	30,44,778		
	2000	52,01,268	52,01,268		
	2200	75,09,052	75,09,052		
4	Manufacture, Supply and delivery of DI D/F <u>Swing Check Valves</u> Slanted/Straight seated with metallic, corrosion proof and wear resistant seat faces resilient seat, Body and Disc of ductile cast iron GGG 40/SG Iron 420/12 or equivalent grade as per IS 3896(part2)-1985 and subsequent revisions. All the inside and outside of the body is to be coated with double coating of epoxy liquid. Drilled as per IS:1538. Specification and Dimensions as per I.S 5312 or equivalent codes.				
	<b>DIA IN MM</b>	<b><u>PN 10</u></b>	<b><u>PN 16</u></b>	<b><u>PN 25</u></b>	<b><u>PN 40</u></b>
	100	25,758	28,620		
	150	43,254	48,060		
	200	65,594	69,496	101,922	133,407
	250	72,187	76,559	123,786	156,415
	300	90,485	95,867	150,696	190,926
	350	106,497	112,887	171,417	208,418
	400	129,370	137,106	173,570	225,708
	500	164,488	174,445	219,989	289,485
	600	246,790	261,625	324,300	419,175
	700	356,213	388,470	474,835	602,140
	800	445,395	485,415	598,748	758,540
5	Manufacture, supply and delivery of DI (Ductile Iron) Wafer Butterfly valves conforming to IS 13095-1991. With hand lever below 150 mm, with Worm gear for 200 mm and above excluding transportation, CED and taxes etc, completed				
	<b>DIA IN MM</b>	<b><u>PN 10</u></b>	<b><u>PN 16</u></b>		
	40	4415	4415		
	50	4415	4415		
	65	4778	4778		
	80	5210	5710		
	100	7325	7594		
	125	9206	9206		
	150	12432	12701		
	200	16867	16867		
	250	22445	22445		
	300	31584	31584		



	350	38327	41577		
6	Manufacture and supply of- Air Release – Vacuum Break – Surge Alleviation” Valve for potable water. Construction material Cylindrical Body of Ductile Iron GGG-50/SG-500-7, Three cylindrical Floats of High Density Poly Ethylene. Baffle Plate, Orifice venture and all construction bolts of stainless steel, coating internally and externally. Electrostatically applied epoxy (1) Flange connection as per IS 1538, (2) Female (BSP/NTP Threaded for sizes 25 mm				
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>	<u>PN 25</u>	
	25 mm dia	11660	-	-	
	50 mm dia	-	37,575	37,575	
	80 mm dia	-	58,950	58,950	
	100 mm dia	-	65,000	65,000	
	150 mm dia	-	133,300	133,300	
	200 mm dia	-	200,200	200,200	
7	Manufacturer and supply of Metal Seated Gate Valve Non- Rising Stem with by-pass & gear operated, for water and sewage applications& dimensions confirming to IS 14846-2000. Material construction Body, Bonnet, Wedge and Distance Piece of ductile iron GGG-50/SG500/7 DIN1693 or equivalent. Body seat, Wedge seat and Stem nut of Aluminum Bronze BS EN 1982 CC331G/equivalent, Stem of Stainless steel BS EN 100881.4057 or equivalent. 'O' Seal Body/Cover is of EPDM food grade Quality. Fastners is of Steel Sheraplex coated to BS 3692 Gr 8.8 or equivalent. Body and Bonnet internally and externally blue two pack epoxy to WIS 4-52-01 Class B. Leakage tested for seat 1.1 PN and body 1.5 x PN. Flange connection as per IS 1538				
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>		
	DN700	10,80,039	10,80,039		
	DN800	13,65,553	13,65,553		
	DN 900	15,43,628	15,43,628		
	DN 1000	17,29,506	17,29,506		
	DN 1100	26,78,623	26,78,623		
	DN 1200	23,56,607	23,56,607		

NOTE:-All the prices are ex-go down /ex-factory. Excise duty and CST /Local Tax Extra as applicable at the time of supply. Packaging and Transportation extra at 5% on basic cost. The duties and taxes as applicable may be added as per rules at the time of preparation of estimate. The grade of DI & conformation to specifications shall be certified by a third party Quality Control Agency approved by indenting authority at the cost of supplier.

### 33. S.S RATES FOR SFRC MAN-HOLE FRAME WITH COVERS FOR THE YEAR 2011-12

Sl.No.	Description	Unit	SoRates for 2011-12.
1	2	3	4
I	Manufacture as per BIS:12592 (Part 1&2) Supply & Delivery of manhole covers and frames with ISI marking anywhere in A.P., F.O.R. destination including, loading, un-loading & stacking at site but excluding central excise duty, sales tax, octroi and other Govt levies etc., as applicable. <u>I.S.I Mark</u>		Rs.
a)	M.D. -10 with 500mm dia clear opening	Each	1359.00
b)	H.D.-20 with 500mm dia clear opening	Each	1751.00
c)	H.D.-10with 560mmdia clear opening(New item)	Each	1374.00
d)	H.D.-20 with 560mm dia clear opening	Each	1878.00
e)	H.D.-35 with 560mm dia clear opening.	Each	2012.00
f)	24x24 MD 10	Each	1481.00
g)	24x18 MD 10	Each	1363.00
h)	24x24 HD 20	Each	1665.00
i)	24x18 HD 20	Each	1697.00
j)	Deviders 0.9 mtr.	Each	3485.00
II	Manufacture as per company's stanard specification supply and delivery of encapsulated plastic steps for man holes anywhere in A.P. including cost of materials packing as per company's standards, loading, transportation, unloading and stacking at site of work etc, complete but excluding taxes such as sales tax, C.E.D and others etc., as applicable.	Each	143.00

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

#### 34. CI and M.S. DISMANTLING JOINTS FOR THE YEAR 2011-12

Sl.No.	Description	Unit	2011-12.
1	2	3	4
1	Manufacture, Supply and delivery of CI Dismantling Joints with both side flange end suitable for installation in between flange end pipes. These rates are excluding Excise duty, Taxes and transportation charges etc., complete.		Rs.
	Nominal Dia. In MM		
	50	Each	3,295
	80	Each	3,607

## PUBLIC HEALTH ITEMS

	100	Each	4,734
	125	Each	6,086
	150	Each	6,677
	200	Each	9,469
	250	Each	11,273
	300	Each	18,037
2	Manufacture, Supply and delivery of MS. Dismantling Joints with both side flange end suitable for installation in between flange end pipes. Thickness as per IS: 7322. These rates are excluding Excise duty, Taxes and transportation charges etc., complete		Each
	Nominal Dia. In MM		
	350		42,778
	400		49,020
	450		53,183
	500		63,654
	600		74,069
	700		82,402
	750		84,486
	800		101,152
	900		105,529
	1000		126,407
	1100		136,843
	1200		157,719
	1300		178,593
	1400		199,874
	1600		220,790
	1800		261,461
	2000		325,376
3	Conveyance of joints and accessories including loading at factory and unloading, stacking at site of work.		5% on basic cost
Note:	The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.		

## 35.S.S RATES FOR FUSION BONDED EPOXY COATING FOR THE YEAR 2011-12.

Sl. No.	Description	Unit	Rate (Rs.)
1	2	3	4
	Providing <b>fusion bonded epoxy coating</b> not less than 175 microns thickness and upto 300 microns to reinforcement of all diameters as per IS 13620-1993 including testing of coating at plant. The rate is inclusive of cost on account of careful handling, PVC coated binding wire instead of GI binding	per MT	10,000.00

wire, touch up material supplied by coating agency, repair work, transportation from the source of supply of steel to the plant and transportation of coated steel from the plant to site of work, loading, unloading and straightening of bent rods etc., complete as per specification and as directed by the Engineer-in-charge.		
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**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

### 36. OTHER ITEMS FOR THE YEAR 2011-12

Sl. No.	Description	Unit	S.S. Rates for 2011-12.
1	2	3	4
1	SUPPLY AND DELIVERY OF PIG LEAD 99.99 % PURE INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.	Per Kg	240.00
2	SUPPLY AND DELIVERY OF LEAD WOOL BEST QUALITY INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.	Per Kg	126.00
3	SUPPLY AND DELIVERY OF SPUN YARN OF BEST QUALITY INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.	Per Kg	95.00
4	SUPPLY AND DELIVERY OF RUBBER PACKING INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.		
	a) 3 mm thick	Per Kg	77.00
	b) 6 mm thick	Per Kg	77.00
5	SUPPLY AND DELIVERY OF BOLTS AND NUTS WITH DOUBLE WASHERS INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE. (1/2" TO 1")	Per Kg	93.00

### NEW ITEM

### 37. S.S. RATES FOR RUBBER RINGS SUITABLE FOR SWG PIPES FOR THE YEAR 2011-12

Sl. No.	Description	Unit	S.S Rates For 2011-12
1	2	3	4
1	Manufacture Supply of Rubber Rings made with EPDM Rubber rings(seals according to EN681 AND ASTM425) suitable for SWG pipes confirming to IS No.651/1992 any where in A.P , FOR including cost of materials, loading, unloading , handling with company standard packing , transportation, unloading and stacking but excluding central excise duty and other taxes etc complete		
	100 mm dia	Each	40.00
	150 mm dia	Each	60.00
	200 mm dia	Each	90.00
	230 mm dia	Each	110.00
	250 mm dia	Each	140.00
	300 mm dia	Each	160.00
	350 mm dia	Each	190.00

**Note:** The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

# **Conveyance Charges of Material**

**CONVEYANCE CHARGES OF MATERIALS AS PER SoR 2011-12**

**(COMMON TO ALL DEPARTMENTS).**

**LEAD, LIFT, LOADING AND UNLOADING CHARGES FOR MATERIALS  
FOR THE YEAR: 2011-12**

1. For total lead up to 150 m (including initial lead ) lead charges by head load only shall be adopted irrespective of mode of conveyance.
2. For total lead exceeding 150 m conveyance by mechanical means only shall be adopted irrespective of mode of conveyance.
3. The rates for loading at quarry including idle hire charges of trucks and hire charges per for each kilometer and up to 5 km are cumulative and inclusive of total charges for Preceding lead.
4. Unless otherwise specified lead charges for Earth / Sand / Gravel / Aggregates and Stones are for loose volume and not for compacted or in-situ volume.
5. The rates for lift charges, lead charges, hire charges are cumulative and inclusive of rates for preceding lift, lead and hire charges.
6. Lift charges are not payable where conveyance of materials is by mechanical means to final placing point.
7. Loading and unloading charges are not payable for conveyance by head load.
8. Loading charges are not payable for conveyance by mechanical means for disposal of excavated materials beyond initial lead of 50 m wherever specified.
9. Loading and unloading charges are not payable for conveyance by mechanical means for disposal of excavated materials beyond initial lead of 1 km wherever specified.
10. The rates for unloading of materials except earth, sand, gravel, coarse aggregate, rubble, size stone and cut stone are inclusive of stacking.
11. Hire charges are per 1KM for tippers and trucks for transport of materials from work site to dump yard and other places are cumulative& includes previous km up to 5 kms
12. **For detailed calculations, refer to the Lead & Lift charges (Common to all Departments) chapter of Irrigation & CAD works (Part-1), A.P. Revised Standard data. The lead & lift charges are inclusive of 14% Contractors profit and Overhead charges.**

**A. (LEAD) CONVEYANCE CHARGES FOR MATERIALS BY HEAD LOAD  
FOR THE YEAR: 2011-12**

Sl No.	Total distance ( Total lead includes initial lead )	Earth / Sand /Gravel / Murrum/ Lime/ Surki/ Size stone / Cut stone Rubble / Coarse aggregate Rs/Cum	Cement / Reinforce- ment steel Str steel Rs / tonne	PCC slab/ Shahbad slab / CC block/ BS slab/ Late-rite / Wood Rs / cum
1	2	3	4	5
1	Total lead up to 50 m (covered by item rate)	initial lead	initial lead	initial lead
2	Total lead up to 100 m	35.00	20.40	44.60
3	Total lead up to 150 m	70.00	40.90	89.10

Notes: 1. No loading or unloading charges are admissible for conveyance by head load.

2. For total lead exceeding 150 m conveyance charges by mechanical means only shall be adopted irrespective of mode of conveyance.

**3.The lead & lift charges are inclusive of 14% Contractor Profit and Over Head charges**

## Conveyance Charges of Material

### B.( LEAD) CONVEYANCE CHARGES FOR MACHINERY PER KILOMETER FOR TRANSPORTING MATERIALS BY TIPPERS AND TRUCKS EXCLUDING LOADING, UNLOADING AND IDLE HIRE CHARGES OF MACHINERY FOR THE YEAR: 2011-2

( No loading and unloading charges allowed for machinery loading and unloading )

Sl No.	Distance	(Lead) charges for trucks and tippers for Earth / Sand /Gravel / Murrum/ Lime/ Surki/ per cu.meter	(Lead) charges for trucks and tippers for Rubble/Size stones/ Cut Stones/ Coarse aggregate per cu.meter	(Lead) charges for trucks and tippers for Cement/ Steel/ RCC poles/ AC & GI sheets/ Packed materials/tonne	(Lead) charges for trucks and tippers per cu.meter for PCC slabs/ Shahabad slabs/ CC & Laterite blocks/ Wood/ cum	(Lead) charges for trucks and tippers per cu.meter water/ 1000 litres
1	2	3	4	5	6	7
1	Lead up to 1 km	23.80	21.40	13.40	31.50	13.40
2	Lead up to 2 km	33.30	30.00	18.70	44.10	18.70
3	Lead up to 3 km	44.50	44.50	27.80	65.40	25.00
4	Lead up to 4 km	54.00	54.00	33.70	79.40	30.30
5	Lead up to 5 km	63.50	63.50	39.70	93.40	35.70
6	for Every km beyond 5 km up to 30 km	9.50	9.50	6.00	14.00	5.40
7	for Every km beyond 30 km	7.90	7.90	5.00	11.70	4.50

**Note: The lead & lift charges are inclusive of 14% Contractor Profit and Over Head charges**

### C. LOADING AND UNLOADING CHARGES BY MANUAL MEANS ( idle hire charges of trucks are not added)

Sl No.	Description of item	Earth / Sand /Gravel Murrum/ / Surki/ Rs / cum	Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum	cement in Rs/tonne	steel in Rs./tonne	brick work Rs/1000 No
1	2	3	4	5	6	7
1	Loading	11.60	23.20	38.20	45.80	31.90
2	Unloading	5.80	11.60	38.20	45.80	31.90

**Note: The lead & lift charges are inclusive of 14% Contractor Profit and Over Head charges**

### D. LOADING AND UNLOADING CHARGES BY MANUAL MEANS (including idle hire charges of trucks )

Sl No.	Description of item	Earth / Sand /Gravel Murrum/ / Surki/ Rs / cum	Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum	cement in Rs/tonne	steel in Rs./tonne	brick work Rs/1000 No
1	2	3	4	5	6	7
1	Loading	76.50	88.00	109.90	117.60	149.90
2	Unloading	27.40	44.00	109.90	117.60	149.90

**Note: The lead & lift charges are inclusive of 14% Contractor Profit and Over Head charges.**



## Conveyance Charges of Material

### E. LOADING AND UNLOADING CHARGES BY MECHANICAL MEANS (including idle hire charges of trucks)

Sl No.	Description of item	Earth / Sand /Gravel Murrum/ / Surki/ Rs / cum	Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum
1	2	3	4
1	Loading	38.10	75.70
2	Unloading	12.00	12.00

**Note: The lead & lift charges are inclusive of 14% Contractor Profit and Over Head charges**

### F. LIFT CHARGES FOR MATERIALS BY HEAD LOAD

Sl No.	Total lift (Total lift includes initial lift)	Earth / Sand /Gravel Murrum/ Lime/ Surki/ Size stone / Cut stone Rubble / Coarse aggregate Rs / cum	Cement / Reinforce- ment steel Str steel Rs / tonne	PCC slab/ Shahbad slab / CC block/ BS slab / Laterite / Wood Rs / cum
1	2	3	4	5
1	Total lift up to 3 m (covered by item rate)	Initial lift	Initial lift	Initial lift
2	For Every 1.00 Lift beyond initial lift of 3 meters	4.10	3.00	5.40

**Note: The lead & lift charges are inclusive of 14% Contractor Profit and Over Head charges**

## **HIRE CHARGES**

**HIRE CHARGES OF PLANT & MACHINERY  
FOR THE YEAR : 2011-12**

Sl.No	Description of machinery	Unit	Hire charge in Rs	Fuel charge in Rs	Crew Charge in Rs.	Total in Rs
1	2	3	4	5	6	7
1	Agitator car / Transit mixer 2 cum	Hour	608.80	680.60	177.80	1467.20
2	Air compressor 5 cmm ( electric )	Hour	76.60	136.00	106.30	318.90
3	Air compressor 7 cmm ( diesel )	Hour	178.50	556.90	136.00	871.40
4	Air compressor 7 cmm ( electric )	Hour	104.10	181.30	106.30	391.70
5	Air compressor 8.5 cmm ( diesel)	Hour	210.40	696.10	136.00	1042.50
6	Air compressor 8.5 cmm (electric)	Hour	122.50	226.60	106.30	455.40
7	Air compressor 15 cmm ( electric)	Hour	101.70	503.60	113.40	718.70
8	Angle Dozer 90 hp	Hour	1256.70	476.10	148.20	1881.00
9	Batching plant 0.5 cum (6 Cum/hr)	Hour	91.00	60.40	213.40	364.80
10	Batching plant 2 x 1.00 cum (15 Cum/hr)	Hour	251.60	181.30	213.40	646.30
11	Batching plant 2 x 1.50 cum (50 Cum/hr)	Hour	335.40	221.60	213.40	770.40
12	Bending machine 3000 x 12 mm	Hour	14.50	60.40	85.00	159.90
13	Clamp shell and hoisting ropes	Hour	4.20	0.00	0.00	4.20
14	Concrete bucket 1.5 cum	Hour	12.80	0.00	0.00	12.80
15	Concrete hand mixer 45 / 30 ltr	Hour	3.90	0.00	0.00	3.90
16	Concrete mixer 300 / 200 ( diesel)	Hour	44.80	61.90	141.70	248.40
17	Concrete mixer 300 / 200 ltr (electric)	Hour	41.20	20.10	141.70	203.00
18	Concrete mixer 600 / 400 ( diesel)	Hour	77.00	123.80	141.70	342.50
19	Concrete mixer 600 / 400 ltr (electric)	Hour	64.50	40.30	141.70	246.50
20	Concrete paver 100 sqm / hr	Hour	287.90	0.00	272.10	560.00
21	Convey mucker	Hour	669.30	140.20	113.40	922.90
22	Core drilling machine	Hour	247.60	185.60	177.80	611.00
23	Diesel generating set 30 KVA	Hour	48.70	495.00	85.00	628.70
24	Diesel generating set 50 KVA	Hour	62.80	742.50	85.00	890.30
25	Diesel Loco 45 hp	Hour	243.80	417.70	106.30	767.80
26	Dewatering pump 5 hp ( diesel )	Hour	8.40	61.90	71.10	141.40
27	Dewatering pump 5 hp ( electric )	Hour	2.20	20.10	53.30	75.60

Sl.No	Description of machinery	Unit	Hire charge in Rs	Fuel charge in Rs	Crew Charge in Rs.	Total in Rs
1	2	3	4	5	6	7
28	Dewatering pump 10 hp ( diesel )	Hour	12.20	123.80	71.10	207.10
29	Dewatering pump 10 hp ( electric	Hour	3.30	40.30	53.30	96.90
30	Dewatering pump 20 hp ( diesel )	Hour	38.30	247.50	71.10	356.90
31	Dewatering pump 20 hp ( electric	Hour	6.20	80.60	53.30	140.10
32	Drifter	Hour	214.40	0.00	222.30	436.70
33	Drilling jumbo	Hour	290.80	33.40	113.40	437.60
34	Dumper 4.5 cum	Hour	398.90	311.90	142.30	853.10
35	Geophysical Electric resistivity meter	Hour	62.90	0.00	0.00	62.90
36	Grouting pump	Hour	19.60	20.10	170.00	209.70
37	Guniting / sand blast equipment	Hour	86.90	0.00	141.70	228.60
38	Ice plant & accessories 30 t / day	Hour	138.50	574.00	85.00	797.50
39	Jack hammer	Hour	13.50	0.00	212.60	226.10
40	Needle vibrator 40 mm ( petrol )	Hour	6.00	12.40	102.00	120.40
41	Needle vibrator 40 mm ( electric )	Hour	6.70	4.00	102.00	112.70
42	Needle vibrator 60 mm ( petrol )	Hour	6.20	18.60	102.00	126.80
43	Needle vibrator 60 mm ( electric )	Hour	7.70	6.00	102.00	115.70
44	Planing machine 4 m stroke	Hour	90.90	60.40	136.00	287.30
45	Plate shearing machine up to 12 mm	Hour	32.20	80.60	88.90	201.70
46	Pneumatic placer 0.5 cum	Hour	136.30	0.00	55.60	191.90
47	Pneumatic tamper	Hour	13.50	0.00	170.00	183.50
48	Pug cutting machine	Hour	5.80	2.00	0.00	7.80
49	Pusher leg	Hour	8.30	0.00	0.00	8.30
50	Road roller diesel 10 t	Hour	151.50	556.90	136.00	844.40
51	Shovel 0.50 cum 75 hp	Hour	697.70	371.30	148.20	1217.20
52	Shovel 0.85 cum 110 hp	Hour	1180.70	680.60	148.20	2009.50
53	Stationery derrick crane	Hour	66.20	0.00	0.00	66.20
54	Tipper 5 cum	Hour	351.30	233.90	111.20	696.40
55	Tipping tub 1.5 cum	Hour	33.60	0.00	0.00	33.60
56	Tower crane 5 tonne	Hour	698.00	104.70	118.60	921.30
57	Transformer 250 KVA	Hour	3932.50	0.00	0.00	3932.50
58	Truck 10 t	Hour	285.80	233.90	106.30	626.00
59	Truck mounted derrick crane 5 t	Hour	422.30	233.90	106.30	762.50

## Hire Charges

Sl.No	Description of machinery	Unit	Hire charge in Rs	Fuel charge in Rs	Crew Charge in Rs.	Total in Rs
1	2	3	4	5	6	7
60	Upright drilling machine/grinder	Hour	18.10	20.10	120.90	159.10
61	Ventilation fan 20 hp	Hour	6.20	80.60	18.40	105.20
62	Vibratory pad foot roller 8 t	Hour	912.50	804.40	170.00	1886.90
63	Wagon drill	Hour	145.60	0.00	177.80	323.40
64	Water tanker 8000 ltr	Hour	285.80	233.90	106.30	626.00
65	Welding set	Hour	12.90	48.30	0.00	61.20
66	Winch 35 hp ( electric )	Hour	98.70	98.70	170.00	367.40

# ANNEXURE

Copy of

**GOVERNMENT OF ANDHRA PRADESH**

**ABSTRACT**

Mines and Minerals - Amendments to Rule 10 of the Andhra Pradesh Minor Mineral  
Concession Rules, 1966 - Orders - Issued.

**INDUSTRIES AND COMMERCE (M.I) DEPARTMENT**

**G.O.Ms.No.198.**

**Dated:13.08.2009**

Read the following:

1. G.O.Ms.No.217, Industries & Commerce (M-I) Dept., dated 29-09-2004.
2. From the Director of Mines & Geology, File No.25395/MR/ 2007, Dated:29.9.2007.
3. G.O.Ms.No.104, Ind. & Com. (M.I) Department, dt.15.5.2009.

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**ORDER :**

The following notification will be published in the Extra-Ordinary issue of the Andhra Pradesh Gazette dated 13.8.2009.

2. This order shall come into force with immediate effect.

**NOTIFICATION**

In exercise of the powers conferred by sub-section (1) of section 15 of the Mines and Minerals (Development & Regulation) Act,1957 (Central Act 67 of 1957), the Governor of Andhra Pradesh hereby makes the following amendments to the Andhra Pradesh Minor Mineral Concession Rules, 1966 issued in G.O.Ms.No.1172, Industries and Commerce(M-I) Department, dated 04-09-1967 and subsequently amended from time to time.

**AMENDMENTS**

In the said rules, Under Rule 10 for Schedules I and II the following shall be substituted, namely :

**"SCHEDULE -I**

**RATES OF SEIGNIORAGE FEE**

Sl.No.	Name of the Minor Mineral	Unit	Rate of Seigniorage Fee (in Rupees)
1	2	3	4
1	Building Stone	M <sup>3</sup> /MT	Rs.50/33 (Rupees Fifty /Thirty Three)
2	Rough Stone/Boulders	M <sup>3</sup> /MT	Rs. 50/33 (Rupees Fifty /Thirty Three)
3	Road Metal & Ballast	M <sup>3</sup> /MT	Rs. 50/33 (Rupees Fifty /Thirty Three)
3(a)	Dimensional Stone used for Kerbs & Cubes	MT	Rs.88/- (Rupees Eighty Eight)
4	Limekankar / Limestone	MT	The rate of Royalty as applicable to limestone (other than L.D. Grade) in

			respect of Major Mineral as per the 2nd Schedule of the Mines and Minerals (D&R) Act, 1957.
5	Lime Shell	MT	Rs.88/- (Rupees Eighty Eight)
6	Marble	M <sup>3</sup> /MT	Rs. 165/66 (Rupees One hundred and Sixty Five/Sixty Six)
7	Mosaic Chips	MT	Rs. 44/- (Rupees Forty Four)
8	Muram/Gravel & Ordinary earth	M <sup>3</sup> /MT	Rs. 22/14 (Rupees Twenty Two/ Fourteen)
9	Ordinary sand/Sand manufactured from Boulders useful for Civil construction	M <sup>3</sup>	Rs. 40/- (Rupees Forty)
10	Shingle	M <sup>3</sup>	Rs. 17/- (Rupees Seventeen)
11	Chalcedony Pebbles	MT	Rs. 33/- ( Rupees Thirty Three)
12	Fullers Earth/Bentonite	MT	Rs. 110/- (Rupees One hundred and Ten) and Rs.44/- (Rupees Forty Four)
13	Shale/Slate	MT	Rs. 110/- (Rupees Hundred and Ten )
14	Rehmati	MT	Rs. 17/-(Rupees Seventeen )
15	Limestone slabs		
a(i)	Colour	-	Rs. 7/- (Rupees Seven) per Sq. Mt. or Rs. 88/-(Rupees Eighty Eight) per MT whichever is higher
(ii)	White	-	Rs. 5/-(Rupees Five)per Sq. Mt. or Rs. 55/-(Rupees Fifty Five) per MT. whichever is higher
(iii)	Black	-	Rs. 4/- (Rupees Four) per Sq. Mt. or Rs. 44/- (Rupees Forty Four) per Mt. whichever is higher
16	Ordinary clay, Silt and Brick Earth used in the manufacture of Bricks including Mangalore tiles	--	Rs. 3850/- (Rupees three thousand eight hundred and fifty only) per kiln per annum for Bricks and Tiles

**17. Granite Useful for Cutting: (Rates in Cubic Metre)**

	Item	Super Gang Saw above 300 CMX 180 CM. Size	Mini Gang Saw above 270 Cm X 150 Cm. & less than 300 Cm X 180 Cm Size	Below 270 Cm. X 150 Cm. size	Below 75 Cm. Size
(a)	Black Granite Galaxy Variety	Rs. 3300/- (Rupees Three Thousand Three hundred)	Rs. 2625/- (Rupees Two thousand Six hundred and twenty five only)	Rs. 2475/- (Rupees Two thousand Four hundred and Seventy Five only)	Rs. 1100/- (Rupees One thousand One hundred only)
(b)	Black Granite other than Galaxy Variety	Rs. 2475/- (Rupees Two thousand Four hundred and Seventy Five only)	Rs.2000/- (Rupees Two thousand only)	Rs.1,925/- (Rupees One thousand Nine hundred and Twenty Five only)	Rs.825/- (Rupees Eight hundred and Twenty Five only)
(c)	Colour Granite Srikakulam Blue,	Rs. 2475/- (Rupees Two	Rs.2000/- (Rupees Two	Rs.1925/- (Rupees One	Rs.825/- (Rupees Eight



	Indian aurora of Nizamabad Dist., Leptinites of Coastal Dists., Black pearl of Praksam and Guntur Dists.	thousand Four hundred and Seventy Five only)	thousand only)	thousand Nine hundred and Twenty Five only)	hundred and Twenty Five only)
(d)	Colour Granite of other varieties	RS.1,925/- (Rupees One thousand Nine hundred and Twenty Five only)	Rs. 1625/- (Rupees One thousand Six hundred and Twenty five only)	Rs.1650/- (Rupees One thousand Six hundred Fifty only)	Rs.825/- ( Rupees Eight hundred and Twenty Five only)

#### SCHEDULE –II

#### RATE OF DEAD RENT

(PER HECTARE PER ANNUM)

Sl.No.	Name of the Minor Mineral	Rate of Dead Rent per hectare per Annum
01	Black Granite	Rs.55,000/- (Rupees fifty five thousand only)
02	Colour Granite	Rs.44,000/- (Rupees forty four thousand only)
03	Limestone other than classified as Major Minerals used for Lime burning for building construction purposes, Marble, Boulders, Building Stone Including Stone used for Road Metal, Ballast Concrete and other Construction purposes, Shale, Slate and Phyllites, Mosaic Chips, Fuller's Earth/Bentonite & Dimensional Stones used for cubes & kerbs,	Rs.27,500/- (Rupees twenty seven thousand and five hundred only)
04	Gravel, Morrum, Shingle, Limestone Slabs used for Flooring purposes Limekankar, Chalcedony pebbles used in the building purposes Limeshell for burning used for building purposes and Rehmatti.	Rs.16,500/- (Rupees sixteen thousand and five hundred only)

**NOTE:-1)** The above rates are liable to be revised and amended from time to time by the State Government by notification in the Andhra Pradesh Gazette.

2) In case of revision, the revised rates as fixed by Mines and Geology Department have to be adopted.

# **AMENDMENT TO BUILDINGS STANDARD DATA**

## **COMMITTEE OF THE CHIEF ENGINEERS (Buildings SoR)**

Office of the Engineer-in-Chief (R&B)

Buildings, R&B Department

Errum manzil, Hyderabad

Procs. No. ENCB/TA8/AEE3/DATA: 2010-11 Dt: 01-08-2011.

Sub: - Committee of the Chief Engineers (Buildings SoR) - Adoption of Revision and Updating of Andhra Pradesh Standard data in all Engineering/Public Works Department and other organisations – A.P. Revised Standard Data – Part-III for Buildings & Electrical Items - Corrigendum issued – Reg.,

Ref: - 1. G.O.Ms.No.49 I&CAD(PW-Reforms) Dept., dt:02-03-2009

\* \* \* \* \*

Following amendments are issued to the A.P. Standard Data for Buildings & Electrical items in Part-III of the AP Revised Standard Data book:

### **A. CIVIL WORKS**

1. Item Codes BLD-CSTN-2-2, BLD-CSTN-2-3 and BLD-CSTN-2-5 at Sl. Nos: 10, 11 & 13 for excavation in mechanical means for the machinery charges for 'Hydraulic Excavator', the rate pertaining to 'Shovel' at Sl. Nos: 51 to 52 of Page 333 of BSSR2009-10 shall be adopted as the case may be.
2. Item Code BLD-CSTN-2-8 Sl. No: 16 at Page No: 18 for sand filling data item, the Unit for output shall be taken for 6 cum output and labour coefficient shall be read as 0.31 for 6 cum output and, if required, cost of sand shall be added for 6 cum output.
3. Item Code BLD-CSTN-2-9 Sl. No: 16 at Page No: 19 for earth filling data item, the Unit for output shall be taken for 6 cum output and labour coefficient shall be read as 0.31 (instead of 3.12) for 6 cum output and, if required, cost of good gravel shall be added for 6 cum output. The swelling allowance for gravel items shall be allowed duly considering 'field density' and 'shrinkage'. Vide note 4 of 'B. LEAD/LIFT/LOADING & UNLOADING CHARGES' of A.P. Revised standard Data "Unless otherwise specified lead charges for Earth / Sand / Gravel / Aggregates and Stones are for loose volume and not for compacted or in-situ volume".
4. Item Code BLD-CSTN-3-11 Sl. No: 28 Page No: 22 for PCC (M20) Nominal Mix data item, coarse Aggregate 40 mm shall be replaced with 20 mm graded aggregate.
5. Item Code BLD-CSTN-5-12 Sl. No: 50 Page No: 33 for Reinforced Brick masonry data item, the unit of measurement shall be read as 10 sqm.
6. For 'Weigh Batcher' hire charges in the Data Item Code BLD-CSTN-3-14 to BLD-CSTN-3-16 at Sl. No: 31 in page No: 24 for 'Design Mix Concrete' (weigh Batch at Site) the rate pertaining to 'Batching Plant' at Sl. Nos: 9 to 11 of Page 331 of BSSR2009-10 shall be adopted as the case may be.
7. In 'Basic Approach' at Para.11 of Concrete Items of Page No: 13, for the hire charges of vibrators shall be read as 'excluded' in overhead charges instead of 'included' in overhead charges.
8. Item Code BLD-CSTN-4-19 Sl. No: 299 Page No: 109 for Dismantling of Brick work data item, the unit of output shall be read as 10 cum.

9. Item Code BLD-CSTN-11-10 Sl. No: 167 Page No: 80 for 'Oil Bound Painting' items, for the cost of primer the rate pertaining to 'cement primer' at Sl. Nos: 349 & 350 at Item Codes: BMT-J.01 & BMT-J.02 in Page No: 25 of BSSR-2009-10 shall be adopted in 'Kg' units as the case may be.
10. Item Code BLD-CSTN-11-10 Sl. No: 167 Page No: 80 for 'Oil Bound Painting' items, for the 'Oil bound Distemper' the unit shall be read as 'Kg' instead of 'Lts.'
11. Hire Charges for Centering & Scaffolding of RCC items at Page No: 128 – For Material Lift Charges & Labour rate for scaffolding above 7.32 M - increase @ 10% on labour component for each upper floor on First Floor Rate (7.32 M) shall be allowed.
12. Hire Charges for Scaffolding for Brick work & plastering at Page No: 128 – For Material Lift Charges & Labour rate for scaffolding above 7.32 M - increase @ 50% on labour component for each upper floor on First Floor Rate (7.32 M) shall be allowed.
13. Item for Lift charges for all RCC items of works at Page No: 131 following table shall be replaced:

Either 'Manual' or 'Mechanical' lifting shall be allowed as specified below:

1. For Manual lifting of all RCC items up to 3 Floors only: Lift Charges of Labour, increase @ 10% on labour charges for each upper floor on Ground Floor Rate			
2. For Mechanical Lifting of all RCC items: Lift Charges of Materials only, for lifting Concrete above 6.1 M (2nd floor onwards) Winch/ Lift hire charges shall be allowed at the rates as given below:			
Description of Structure	Basic Rate for 2nd Floor (7.32 M)		for each additional floor (3.66 M) over and above 2nd floor (7.32 M)
a. FOUNDATIONS, PLINTH, PEDESTALS (Below Plinth), STEPS, BED BLOCKS	Nil		Nil
b. COLUMNS, LINTELS, WATER TANKS, RCC WALLS	1.333	Hrs	10%
c. RCC SLABS, BEAMS	0.267	Hrs	10%

14. Centering charges for RCC walls, shear walls and water tank walls given separately in the schedule of rates are for both faces of the respective members. The measurement of centering charges shall be in 'sqm' for one face only and the centering charges given are for two faces of centering.
15. The specifications of the aggregates for sizes and gradation and its adoption shall be as per IS 383.
16. No allowance towards Labour Importation & Labour Amenities shall be added extra as they are included in the recommended overheads.
17. For sand, gravel, murum, stones, coarse aggregates etc, the rates are fixed for delivery at Quarry, including seigniorage (royalty) charges, loading charges by machinery / manual means and idle hire charges of machinery (as per table under chapter "conveyance or lead and lift charges") as applicable.

18. For all the materials, the basic rates given in the SoR are 'landing prices' at the site, except where mentioned specifically.
19. For the materials where the basic rates are mentioned as 'quarry rates' in the SoR, lead charges are to be added for the lead distances from the approved quarries as applicable.
20. The basic item rates provided in the schedule of rates include 50 m (conveyance by manual means) or 1 km (conveyance by mechanical means) as initial lead and no lead charges shall be allowed where the source of material is within the initial lead specified in item rate. Additional lead charges shall be allowed for the lead exceeding initial lead specified in the item rate.
21. The lead charges per unit quantity for conveyance of the materials are worked out, and included in the schedule of rates in increment of 50 m for head load and in increment of 1 km for mechanical mode.
22. The rates for lead charges by head load up to 150 meters and by machinery up to 5 km shall be cumulative and inclusive of lead charges for preceding lead.
23. Loading and unloading charges are not payable for conveyance by head load.
24. Loading and unloading charges are not payable for conveyance by mechanical means, for disposal of excavated material unless specified.
25. The rates for unloading of materials except earth, sand, gravel, coarse aggregate, rubble, size stone and cut stone, are inclusive of stacking wherever applicable.
26. Unless otherwise specified, all material rates shall be inclusive of all taxes, duties, levies, royalty/seigniorage, transportation and handling costs up to project area, but excluding 'Works Contract Tax (VAT)'.
27. As envisaged by the High Level Committee in the 'SSR Guidelines' appended to the G.O.Ms.No.49 I&CAD(PW-Reforms) Dept., dt:02-03-2009, a special software is developed by National Academy of Construction, Hyderabad for the 'revised standard data for Building items', which shall be adopted for standardization and uniform rates.
28. Any errors, omissions, corrections or suggestions shall be brought to the notice of the 'COMMITTEE OF THE CHIEF ENGINEERS (Buildings SoR)' for corrective action.
29. Corrections to the data items of A.P. Revised Standard Data as given below:

SI	Specification	Unit	Coefficient	Rate	Amount
1	<b>Gypboard Suspended false ceiling</b>				
	Supplying and fixing Gyp Board Suspended regular single layer false ceiling (GS-MFSC-4.1 as per India Gypsum) using 12.5 mm thick Gyp Board conforming to IS 2095 - 1982 fixing to Gyp steel GI perimeter channels of size 20 mm x 27 mm x 30 mm(web) of 0.55 mm thick along the perimeter of ceiling screw fixed to brick work/ partition at 610 mm c/c and suspending the frame work using Intermediate channels (45 mm x 15mm x 15mm x 0.9 mm) from soffit at 1220 mm c/c with ceiling angle (25 mm x 10 mm x 0.55 mm) fixed with GI Cleat and steel expansion fasteners & connecting clip to the ceiling channels (with knurled web of 51.5 mm x 26 mm x 10.5 mm x 0.55 mm) fixed in direction perpendicular to the intermediate channel at 457 mm c/c and fixing the 12.5 mm tapered edge Gypboard with 25 mm drywall screws at 230 mm c/c & jointing and finishing using joint compound and paper tape to have a flush look including filling the tapered & square edges with jointing compound, two coats of drywall topcoat complete for finished item of work as per India Gypsum Ltd specification.				
	UNIT -1 sqm				
	A) Material requirement as per India Gypsum				
	1219 mm x 1829 mm size Boards	sqm	1.03		

SI	Specification	Unit	Coefficient	Rate	Amount
	GI Ceiling Angle - 25 mm x 10 mm x 0.55 mm	RM	0.64		
	GI Ceiling section - 51.5 x 26 x 10.5 x 0.55 mm	RM	0.84		
	Intermediate channel - 45 x 15 x 15 x 0.9 mm	RM	0.84		
	Perimeter Channel - 20 x 27 x 30 mm x 0.55 mm	RM	0.40		
	Connecting clips	Nos	1.84		
	Rawl Plug	Nos	0.64		
	Soffit Cleats	Nos	0.64		
	Drywall Screws - 25 mm	Nos	18.00		
	Jointing compound	Kgs	0.55		
	Jointing paper tape	RM	1.46		
	Drywall Top Coat	Liters	0.15		
	<b>B) LABOUR CHARGES</b>				
	1st Class Carpenter	day	0.120		
	2nd Class Carpenter	day	0.120		
	1st Class Painter	day	0.024		
	2nd Class Painter	day	0.024		
	Power Saw Cutter - Hand Operated - Operator	day	0.012		
	Power Drill - Hand Operated - Operator	day	0.024		
	Unskilled Mazdoor	day	0.072		
	<b>C) Machinery</b>				
	Power Saw Cutter - Hand Operated - Hire charges	Hrs	0.320		
	Power Drill - Hand Operated - Hire Charges	Hrs	0.640		
	Scaffolding charges		1%		
	<b>D) Labour Allowance on B</b>				
	<b>E) Overheads and Contractor's Profit on A+B+C+D</b>				
<b>2</b>	<b>Gypboard Fine line grid false ceiling</b>				
	Supplying and fixing Gyp Board Fine Line Grid false ceiling (GS-FLC-4.6 as per India Gypsum) in size 600 mm x 600 mm using 12.5 mm thick/ 9.5 mm thick Gyp Board sheet tiles of size 595 mm x 595 mm or 595 mm x 1195 mm conforming to IS 2095 - 1982 fixing to Gyp steel Precoated GI wall angle of size 25 mm x 25 mm x of 0.70 mm thick along the perimeter of ceiling screw fixed to brick work/ partition at 610 mm c/c and suspending the frame work using pre-coated GI Tee section (24 mm x 38 mm x 0.7 mm) from soffit at 1220 mm c/c fixed with GI Soffit Cleat, rawl plugs and steel expansion fasteners & connecting clip to the GI T section with 4 mm dia GI Rod with galvanized spring steel level clip of PVC universal holding clips system at 1200 mm c/c and fixing the 12.5 mm / 9.5 mm Gypboard Sheet tiles of size 595 mm x 595 mm or 595 mm x 1195 mm and finishing two coats of drywall topcoat complete for finished item of work as per India Gypsum Ltd specification.				
	<b>UNIT -1 sqm</b>				
	<b>A) Material requirement as per India Gypsum</b>				
	12.5 / 9.5 mm - Gypboard Tiles: 595 x 595 mm / 595 x 1195 mm	sqm	1.00		
	GI Precoated Angle - 25 mm x 25 mm x 0.7 mm	RM	0.40		
	GI Precoated T Section: 24 mm x 38 mm x 0.7 mm	RM	3.20		
	GI Rod - 4 mm Dia Connecting Rod	RM	1.28		
	Rawl Plug	Nos	1.28		
	Soffit Cleats	Nos	1.28		
	Universal Holding Clips	Nos	5.36		
	Drywall Top Coat	Liters	0.15		

SI	Specification	Unit	Coefficient	Rate	Amount
	B) LABOUR CHARGES				
	1st Class Carpenter	day	0.120		
	2nd Class Carpenter	day	0.120		
	1st Class Painter	day	0.024		
	2nd Class Painter	day	0.024		
	Power Saw Cutter - Hand Operated - Operator	day	0.012		
	Power Drill - Hand Operated - Operator	day	0.012		
	Unskilled Mazdoor	day	0.072		
	C) Machinery				
	Power Saw Cutter - Hand Operated - Hire charges	Hrs	0.320		
	Power Drill - Hand Operated - Hire Charges	Hrs	0.320		
	Scaffolding charges		1%		
	D) Labour Allowance on B				
	E) Overheads and Contractor's Profit on A+B+C+D				
3	<b>Armstrong Fine line grid false ceiling</b>				
	Providing and fixing in true horizontal level 600 mm x 600 mm 15 mm thick Arm strong false ceiling system manufactured by M/s Arm strong world Industries using hot dipped Galvanized Steel section exposed surface with pre-coated capping, main Tee of size 24 x 32 mm at every 1200 mm c/c maximum and rotary stitched cross tee of size 24 x 27 mm at every 600 mm c/c and sub-cross tee of size 24 mm x 25 mm at 1200 mm c/c and wall angle of size 19 x 19 mm fixed to periphery of the wall and the above grid is suspended at every 1200 mm c/c in both directions using 2.0 mm thick pre-straightened GI Wire laying fine fissured butt edge ceiling tiles of 15 mm thick mineral fiber Board manufactured by M/s Arm Strong World Industries Ltd., having RH 99% and for finished of size 600 x 600 mm including Cost & conveyance of all materials and labour charges such as cutting , fixing of standing of frame work exposing roof making complete for finished item of work				
	UNIT -1 sqm				
	A) Material requirement				
	15 mm - Armstrong Mineral Fiber sheet 600 x 600	sqm	1.00		
	Precoated Hot dipped GI Angle Grid: 19 x 19 mm	RM	0.40		
	Polyester painted GI - T Section: 24 x 32 mm and 24 x 25 mm (sub-cross Tee)	RM	1.60		
	Polyester painted GI - T Section - 24 x 27 mm	RM	1.60		
	GI pre-straightened - 2.0 mm dia Connecting Rod	RM	1.28		
	6 mm Nylon Rawl Plug	Nos	1.28		
	B) LABOUR CHARGES				
	PER UNIT 1 sqm				
	1st Class Carpenter	day	0.120		
	2nd Class Carpenter	day	0.120		
	1st Class Painter	day	0.024		
	2nd Class Painter	day	0.024		
	Power Saw Cutter - Hand Operated - Operator	day	0.012		
	Power Drill - Hand Operated - Operator	day	0.012		
	Unskilled Mazdoor	day	0.072		
	C) Machinery				
	Power Saw Cutter - Hand Operated - Hire charges	Hrs	0.32		
	Power Drill - Hand Operated - Hire Charges	Hrs	0.32		
	Scaffolding charges		1%		

SI	Specification	Unit	Coefficient	Rate	Amount
	D) Labour Allowance on B				
	E) Overheads and Contractor's Profit on A+B+C+D				
4	<b>Thermocole - Grid false ceiling</b>				
	Providing and fixing Thermocole False ceiling in true horizontal level 600 mm x 600 mm using 15 mm/ 19 mm thick Thermocole sheet anodized Aluminium Tee sections of size 24.50 mm x 24.0 mm x 2.4 mm in grid with cross tee of size 24 x 24.5 mm at every 600 mm c/c and anodized aluminium wall angle of size 24 x 24 mm fixed to periphery of the wall and the above grid is suspended at every 1200 mm c/c in both directions using 2.0 mm thick GI Wire for finished of size 600 x 600 mm including Cost & conveyance of all materials and labour charges such as cutting , fixing of standing of frame work exposing roof making complete for finished item of work				
	UNIT -1 sqm				
	A) Material requirement				
	15 mm/ 19 mm Thermocole sheet 600 x 600	sqm	1.00		
	Aluminium Angle : 24 mm x 24 mm	RM	0.40		
	Anodized Aluminium T Section: 24 x 24.5 x 2.4 mm	RM	3.20		
	GI Rod – pre-straightened - 2.0 mm dia - Connecting Rod	Nos	1.28		
	Rawl Plugs	Nos	1.28		
	B) LABOUR CHARGES				
	1st Class Carpenter	day	0.108		
	2nd Class Carpenter	day	0.108		
	Power Saw Cutter - Hand Operated - Operator	day	0.02		
	Power Drill - Hand Operated - Operator	day	0.04		
	Unskilled Mazdoor	day	0.20		
	C) Machinery				
	Power Saw Cutter - Hand Operated - Hire charges	Hrs	0.16		
	Power Drill - Hand Operated - Hire Charges	Hrs	0.32		
	Scaffolding charges		1%		
	D) Labour Allowance on B				
	E) Overheads and Contractor's Profit on A+B+C+D				
5	<b>S&amp;F HYSD/TMT/MS bars (Lap splicing)</b>				
	Providing High Yield Strength Deformed (HYSD)/ Thermo Mechanically Treated (TMT) / Mild steel (MS) steel bars (Fe 415/ Fe 500 grade as per IS 1786-1979) of different diameters for RCC works , including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc., complete for finished item of work in all floors.( APSS No.126)				
	Unit = 1 MT				
	A) MATERIAL				
	HYSD/TMT/ MS bars including 5 per cent for overlaps and wastage	MT	1.05		
	Binding wire	kg	6.00		
	B) LABOUR for cutting, bending, shifting to site, tying, lap splicing and placing in position				
	Blacksmith / Bar bender	day	10.00		



SI	Specification	Unit	Coefficient	Rate	Amount
	Mazdoor (Unskilled)	day	10.00		
	C) Labour Allowance on B				
	D) Overheads and Contractor's Profit on A+B+C				
6	<b>S&amp;F HYSD/ TMT / MS bars (Welding)</b>				
	Providing High Yield Strength Deformed (HYSD)/ Thermo Mechanically Treated (TMT)/ Mild Steel (MS) steel bars (Fe 415/ Fe 500 grade as per IS 1786-1979) of different diameters for RCC works , including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and welding using electrodes, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, welding, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, welding including sales and other taxes on all materials etc., complete for finished item of work in all floors.( APSS No.126)				
	Unit = 1 MT				
	A) MATERIALS				
	HYSD/ TMT/ MS bars including 2.5 per cent for wastage	MT	1.025		
	Welding Electrodes @ 5 per joint (14 joints / ton)	each	70.000		
	Binding wire	kg	3.00		
	B) Labour for cutting, bending, shifting to site, welding and placing in position				
	Welder	day	2.50		
	Blacksmith	day	10.00		
	Mazdoor (Unskilled)	day	10.00		
	C) Machinery				
	Welding Charges (Hire charges of Welding Machine)	Hr	10.00		
	D) Labour Allowance on B				
	E) Overheads and Contractor's Profit on A+B+C+D				
7	<b>Aluminium Fixed Glazing</b>				
	Supply and fixing of aluminium fixed glazing as per drawing using standard powder coated/ anodized aluminium section of 101.4 x 44.45 x of specified thickness fitted with 6.0mm thick / 4.0 mm thick plain glass glazing fitted with suitable Aluminium glazing clips and approved brand silicon sealant including cost and conveyance of all materials labour charges for manufacturing fixing in position using wooden blocks and sheet metal screw etc. to complete for finished item of work as approved by Engineer-in-charge				
	Unit - 1 sqm				
	A) Material requirement				
	ALUMINIUM SECTION	Kgs	as per design		
	GLAZING with GLASS	sqm	as per design		
	SILICON SEALANT	Kgs	as per design		
	RUBBER BEADING	RM	as per design		
	B) LABOUR CHARGES				
	1st Class Carpenter	day	0.351		
	2nd Class Carpenter	day	0.429		
	Power Saw Cutter - Hand Operated - Operator	day	0.039		
	Power Drill - Hand Operated - Operator	day	0.078		

SI	Specification	Unit	Coefficient	Rate	Amount
	Unskilled Mazdoor	day	0.234		
	Non-technical work inspector	Nos	0.078		
	C) Machinery				
	Power Saw Cutter - Hand Operated - Hire charges	Hrs	0.312		
	Power Drill - Hand Operated - Hire Charges	Hrs	0.624		
	D) Labour Allowance on B				
	Power charges for Motors		1%		
	E) Overheads and Contractor's Profit on A+B+C+D				
8	<b>Aluminium Partition partly glazed</b>				
	Supply and fixing of aluminium Partition partly glazed as per drawing using standard powder coated/ anodized aluminium section of 101.4 x 44.45 of specified thickness fitted with 12.0mm thick Particle Boards - Prelaminated up to 2.1 M height and balance height provided with 5.0 mm thick plain glass glazing fitted with suitable Aluminium glazing clips and approved brand silicon sealant including cost and conveyance of all materials labour charges for manufacturing fixing in position using wooden blocks and sheet metal screw etc. to complete for finished item of work as approved by Engineer-in-charge				
	Unit - 1 sqm				
	A) Material requirement				
	ALUMINIUM SECTION	Kgs	as per design		
	PARTICLE BOARD - Prelaminated	sqm	as per design		
	GLAZING with GLASS	sqm	as per design		
	SILICON SEALANT	Kgs	as per design		
	RUBBER BEADING	RM	as per design		
	B) LABOUR CHARGES				
	1st Class Carpenter	day	0.434		
	2nd Class Carpenter	day	0.434		
	Power Saw Cutter - Hand Operated - Operator	day	0.043		
	Power Drill - Hand Operated - Operator	day	0.058		
	Unskilled Mazdoor	day	0.145		
	Non-technical work inspector	Nos	0.072		
	C) Machinery				
	Power Saw Cutter - Hand Operated - Hire charges	Hrs	0.347		
	Power Drill - Hand Operated - Hire Charges	Hrs	0.463		
	D) Labour Allowance on B				
	Power charges for Motors		1%		
	E) Overheads and Contractor's Profit on A+B+C+D				
9	<b>Aluminium Anodized Casement windows</b>				
	Unit - 1 sqm				
	Supply and fixing Aluminium Anodized Casement windows as per approved drawing with aluminium anodized sections of Series C Jindal or approved equivalent make Hollow sections and outer frame of 8804 of size 46 x 44 mm, Shutter frame of 8802 of size 44 mm x 46 mm and Mullion frame of 8803 of size 59 x 38 and glazing section of 4433 with plain clear float glass 6 mm thick fixed including supply and fixing aluminium powder coated 1 No. of casement friction stay hinges for each shutter, 1 Nos. aluminium handles of 150 mm for each shutter and all labour charges for fixing the fixtures with required no. of screws, bolts and nuts and including labour charges for fixing the frame in position, fixing shutter to frame etc. completed for finished item of work				
	Unit - 1 sqm				

SI	Specification	Unit	Coefficient	Rate	Amount
	A) Material requirement				
	ALUMINIUM SECTION	Kgs		as per design	
	GLAZING with GLASS	sqm		as per design	
	SILICON SEALANT	Kgs		as per design	
	RUBBER BEADING	RM		as per design	
	Alum Anodized PC Friction stay casement hinges	Each		as per design	
	Alum Anodized PC Handles	Each		as per design	
	B) LABOUR CHARGES				
	1st Class Carpenter	day	0.100		
	2nd Class Carpenter	day	0.300		
	Power Saw Cutter - Hand Operated - Operator	day	0.100		
	Power Drill - Hand Operated - Operator	day	0.100		
	Unskilled Mazdoor	day	0.300		
	Non-technical work inspector	Nos	0.100		
	C) Machinery				
	Power Saw Cutter - Hand Operated - Hire charges	Hrs	0.800		
	Power Drill - Hand Operated - Hire Charges	Hrs	0.800		
	D) Labour Allowance on B				
	Power charges for Motors		1%		
	E) Overheads and Contractor's Profit on A+B+C+D				
	BASIC COST per 1 sqm				
10	<b>Aluminium Two/ Three Track Sliding Windows</b>				
	Supply and fixing Aluminium Anodized Two/ Three Track Sliding Windows as per approved drawing with aluminium anodized sections of Series C Jindal or approved equivalent make sections and outer frame top horizontals & both verticals of 8774 of size 62 x 29.5 mm and bottom horizontal - two track frame of 8773 of size 62 x 29.5 mm, Shutter frame top, bottom and verticals of 8304 of size 50 mm x 20 mm and Weather interlocking frame of 8306 of size 50 x 20 with plain clear float glass 5 mm thick fixed including supply and fixing aluminium handles of 100 mm for each shutter, nylon rollers assembly and all labour charges for fixing the fixtures with required no. of screws, bolts and nuts and including labour charges for fixing the frame in position, fixing shutter to frame etc. completed for finished item of work				
	UNIT 1 sqm				
	A) Material requirement				
	ALUMINIUM SECTION	Kgs		as per design	
	GLAZING with GLASS	sqm		as per design	
	SILICON SEALANT	Kgs		as per design	
	RUBBER BEADING	RM		as per design	
	Aluminium Anodized PC Handles	Each		as per design	
	B) LABOUR CHARGES				
	1st Class Carpenter	day	0.096		
	2nd Class Carpenter	day	0.289		
	Power Saw Cutter - Hand Operated - Operator	day	0.096		
	Power Drill - Hand Operated - Operator	day	0.096		
	Unskilled Mazdoor	day	0.289		
	Non-technical work inspector	Nos	0.096		
	C) Machinery				

SI	Specification	Unit	Coefficient	Rate	Amount
	Power Saw Cutter - Hand Operated - Hire charges	Hrs	0.771		
	Power Drill - Hand Operated - Hire Charges	Hrs	0.771		
	D) Labour Allowance on B				
	Power charges for Motors		1%		
	E) Overheads and Contractor's Profit on A+B+C+D				
11	<b>Aluminium Anodized Doors - Single Shutter</b>				
	Supply and fixing Aluminium Anodized Doors - Single Shutter as per approved drawing with aluminium anodized sections of Jindal or approved equivalent make sections and outer frame top horizontals & both verticals of 2408 of size 101.6 x 44.75 of specified thickness Shutter frame top, bottom and verticals of 4504 of size 44.45 mm x 47.62 mm of specified thickness and Middle lock rail of 4621 of size 49.91 x 44.45 x 3 mm with plain clear float glass 5 mm thick fixed including supply and fixing aluminium handles of 100 mm for each shutter, floor springs/ hydraulic door closure assembly and all labour charges for fixing the fixtures with required no. of screws, bolts and nuts and including labour charges for fixing the frame in position, fixing shutter to frame etc. completed for finished item of work				
	UNIT 1 sqm				
	A) Material requirement				
	ALUMINIUM SECTION	Kgs	as per design		
	GLAZING with GLASS	sqm	as per design		
	SILICON SEALANT	Kgs	as per design		
	RUBBER BEADING	RM	as per design		
	Aluminium Anodized PC Handles	Each	as per design		
	Hydraulic Floor Spring/ Door Closure	Each	as per design		
	B) LABOUR CHARGES				
	1st Class Carpenter	day	0.099		
	2nd Class Carpenter	day	0.198		
	Power Saw Cutter - Hand Operated - Operator	day	0.099		
	Power Drill - Hand Operated - Operator	day	0.099		
	Unskilled Mazdoor	day	0.297		
	Non-technical work inspector	Nos	0.099		
	C) Machinery				
	Power Saw Cutter - Hand Operated - Hire charges	Hrs	0.793		
	Power Drill - Hand Operated - Hire Charges	Hrs	0.793		
	D) Labour Allowance on B				
	Power charges for Motors		1%		
	E) Overheads and Contractor's Profit on A+B+C+D				
12	<b>Melamine polishing on wood work</b>				
	Supply & applying Melamine Polish Glossy/ Matt finish to the wood works duly cleaning the surface and applying emery paper, Sand the wood with 180 No., emery paper and then with 320 No., emery paper, clean & wipe off loose dust, applying suitable knifing paste filler / wood filler by putty knife / muslin pad, air dry for 2 - 3 hrs, sand with 180 and 320 No., emery paper, apply two component wood sealer, air dry for 24 hrs, Sand with 320 No emery paper, applying one coat of approved spraying thinner (for spraying)/ applying one coat of approved brushing thinner or general purpose thinner (for brushing) and apply (either with spray or brush) two coats of approved brand melamine including cost & labour charges, emery papers, cost of thinner & melamine polish of approved brands such as Jenson & Nicholson, Asian Paints, Berger Paints or equivalent etc., complete for finished item of work				
	Unit = 1 SQM				
	A) MATERIALS :				

SI	Specification	Unit	Coefficient	Rate	Amount
	Melamine polish	L	0.065		
	Thinner for Melamine polish	L	0.033		
	B) LABOUR				
	Painter	day	0.800		
	Helper	day	0.800		
	Sundries for Spraying Machine etc.,	LS			
	C) Labour Allowance on B				
	D) Overheads and Contractor's Profit on A+B+C				
13	<b>Poly-Urethane (PU)polishing on wood work</b>				
	Supply & applying Poly-Urethane Water Proof Polish Glossy/ Matt finish to the wood works duly cleaning the surface and applying emery paper, Sand the wood with 180 No., emery paper and then with 320 No., emery paper, clean & wipe off loose dust, applying suitable knifing paste filler / wood filler by putty knife / muslin pad, air dry for 2 - 3 hrs, sand with 180 and 320 No., emery paper, applying two component wood sealer, after the surface preparation applying one coat of approved spraying PU thinner (for spraying) / applying one coat of approved brushing PU thinner or general purpose thinner (for brushing) and apply one coat of PU by brush or spray, air-dry overnight, Sand again with 180 No. emery paper and removing dust, applying second coat of PU, air drying for 4 - 6 Hrs, Sand with 320 No emery paper, and applying (either with spray or brush) two coats of approved brand PU including cost & labour charges, emery papers, cost of thinner & PU of approved brands such as Jenson & Nicholson, Asian Paints, Berger Paints or equivalent etc., complete for finished item				
	Unit = 1 SQM				
	A) MATERIALS :				
	Poly-Urethane Polish - Interior Grade	L	0.065		
	Thinner for Polyurethane polish	L	0.033		
	B) LABOUR				
	Painter	day	0.800		
	Helper	day	0.800		
	Sundries for Spraying Machine etc.,	LS			
	C) Labour Allowance on B				
	D) Overheads and Contractor's Profit on A+B+C				
	<b>Painting Items from Serial No: 185 to 192 item code - BLD-CSTN-12-11 are deleted</b>				
14	<b>Plastic Emulsion paint-1 coat-Internal Walls</b>				
	Painting to new walls with 1 coat of plastic emulsion paint of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 911 for internal walls				
	Total cost for 10 sqm				
	A. MATERIALS :				
	Plastic Emulsion paint (at 20 sqm / liter as per British Paints (I) Ltd.	L	0.500		
	B. LABOUR				
	Painter - 1st Class	day	0.210		
	Painter - 2nd class	day	0.490		
	Sundries for Spraying Machine etc.,	LS			

SI	Specification	Unit	Coefficient	Rate	Amount
	C) Labour Allowance on B				
	D) Overheads and Contractor's Profit on A+B+C				
15	<b>Plastic Emulsion paint-2 coats-Internal Walls</b>				
	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 911 for internal walls				
	Total cost for 10 sqm				
	A) MATERIALS :				
	Plastic Emulsion paint (at 20 sqm / liter as per British Paints (I) Ltd.	L	0.800		
	B) LABOUR				
	Painter - 1st Class	day	0.360		
	Painter - 2nd class	day	0.840		
	Sundries for Spraying Machine etc.,	LS			
	C) Labour Allowance on B				
	D) Overheads and Contractor's Profit on A+B+C				
16	<b>Plastic Emulsion paint-1 coat-External Walls</b>				
	Painting to new walls with 1 coat of plastic emulsion paint of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 911 for External walls				
	Total cost for 10 sqm				
	A) MATERIALS :				
	Plastic Emulsion paint (at 20 sqm / liter as per British Paints (I) Ltd.	L	0.500		
	B) LABOUR				
	Painter - 1st Class	day	0.150		
	Painter - 2nd class	day	0.350		
	Mazdoor	day	1.500		
	Sundries for Spraying Machine etc.,	LS			
	C) Labour Allowance on B				
	D) Overheads and Contractor's Profit on A+B+C				
17	<b>Plastic Emulsion paint-2 coats-External Walls</b>				
	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 911 for external walls				
	Total cost for 10 sqm				
	A) MATERIALS :				
	Plastic Emulsion paint (at 20 sqm / liter as per British Paints (I) Ltd.	L	0.800		
	B) LABOUR				
	Painter - 1st Class	day	0.210		
	Painter - 2nd class	day	0.490		
	Mazdoor	day	1.500		

SI	Specification	Unit	Coefficient	Rate	Amount
	Sundries for Spraying Machine etc.,	LS			
	C) Labour Allowance on B				
	D) Overheads and Contractor's Profit on A+B+C				
18	<b>Providing Putty to internal walls</b>				
	Providing and applying synthetic plaster putty or plaster of paris putty or lime punning of average 1 to 2 mm thickness over plastered surface to prepare the surface even and smooth after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, applying emery paper, Sand the surface, clean & wipe off loose dust, applying knifing paste filler by putty knife / muslin pad, air dry for 2 - 3 hrs, sand with 180 and 320 No., emery paper for the surface preparation including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work for Internal walls				
	Total cost for 10 sqm				
	A) MATERIALS :				
	Synthetic/ Plaster of Paris Putty	KG	23.000		
	B) LABOUR				
	Painter - 1st Class	day	0.273		
	Painter - 2nd class	day	0.637		
	Mazdoor	Day	0.910		
	C) Labour Allowance on B				
	Sundries for Emery papers, fillers, knife etc.,	LS			
	D) Overheads and Contractor's Profit on A+B+C				
19	<b>Providing Putty to External walls</b>				
	Providing and applying synthetic plaster putty or equivalent putty such as birla wall care putty or texture paint or equivalent such as NCL/ Saicoat texture paint of average 2 to 3 mm thickness over plastered surface to prepare the surface even and smooth after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, applying emery paper, Sand the surface, clean & wipe off loose dust, applying putty/ texture paint filler by putty knife / muslin pad, air dry for 2 - 3 hrs for the surface preparation including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work for external walls - excluding cost of access scaffolding				
	Total cost for 10 sqm				
	A). MATERIALS :				
	Synthetic/ Plaster of Paris Putty	KG	34.500		
	B). LABOUR				
	Painter - 1st Class	day	0.546		
	Painter - 2nd class	day	1.274		
	Mazdoor	Day	1.820		
	Labour for access scaffold	Sqm	10.000		
	C) Labour Allowance on B				
	Access scaffold as per Buildings SoR (Cumulative rates for higher floors)	Sqm	10.00		
	D) Overheads and Contractor's Profit on A+B+C				
20	<b>Boring for Cast-in-Situ piles</b>				

SI	Specification	Unit	Coefficient	Rate	Amount
	Augoring and boring of holes in site for <b>Bored cast-in-situ R.C.C. Piles for building foundations</b> in loamy, clayey soils like Black cotton soils and ordinary soils without under reams as per IS 2911 - 1980 as per approved designs including all operations, incidental, labour charges, hire charges of machinery, augur bore drill and shell equipment, etc, complete for all depths and for finished item of work for piles of following diameters.				
a	<b>up to 300 mm dia</b>				
	Total cost for 1 RM				
	A. MATERIALS :				
	Nil				
	B. LABOUR				
	Mazdoor	Day	0.526		
	C) Labour Allowance				
	D) Overheads and Contractor's Profit				
b	<b>350 mm dia 450 mm dia</b>				
	Total cost for 1 RM				
	A. MATERIALS :				
	Nil				
	B. LABOUR				
	Mazdoor	Day	0.631		
	C) Labour Allowance				
	D) Overheads and Contractor's Profit				
c	<b>500 mm dia to 700 mm dia</b>				
	Total cost for 1 RM				
	A. MATERIALS :				
	Nil				
	B. LABOUR				
	Mazdoor	Day	0.789		
	C) Labour Allowance				
	D) Overheads and Contractor's Profit				
d	<b>750 mm dia and above please adopt MoRTH data</b>				
21	<b>Under Reaming for Cast-in-Situ piles</b>				
	Under-reaming for <b>Bored cast-in-situ R.C.C. Piles for building foundations</b> in loamy, clayey soils like Black cotton soils and ordinary soils with Augoring and boring equipment in site as per IS 2911 - 1980 as per approved designs including all operations, incidental, labour charges, hire charges of machinery, augur bore drill and shell equipment, etc, complete for all depths and for finished item of work for piles of following diameters.				
a	<b>up to 300 mm dia - DOUBLE UNDER REAMING</b>				
	Total cost for 1 Bulb Each				
	A. MATERIALS :				



SI	Specification	Unit	Coefficient	Rate	Amount
	Nil				
	B. LABOUR				
	Mazdoor	Day	0.560		
	C) Labour Allowance				
	D) Overheads and Contractor's Profit				
b	<b>350 mm dia 450 mm dia - DOUBLE UNDER REAMING</b>				
	Total cost for 1 Bulb Each				
	A. MATERIALS :				
	Nil				
	B. LABOUR				
	Mazdoor	Day	0.789		
	C) Labour Allowance				
	D) Overheads and Contractor's Profit				
c	<b>500 mm dia to 700 mm dia - DOUBLE UNDER REAMING</b>				
	Total cost for 1 Bulb Each				
	A. MATERIALS :				
	Nil				
	B. LABOUR				
	Mazdoor	Day	0.986		
	C) Labour Allowance				
	D) Overheads and Contractor's Profit				
d	<b>750 mm dia and above please adopt MoRTH data</b>				
22	<b>DESIGN MIX CONCRETE (WEIGH BATCH at SITE) for Cast-in-Situ piles</b>				
	Supply and placing of the Design Mix Concrete corresponding to IS 456 using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, pouring concrete by tremmy, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content as per IS code from standard suppliers approved by the department including tremmy pumping, laying concrete, curing etc. complete but excluding cost of steel and its fabrication charges for finished item of work.				
D	<b>BORED CAST-IN-SITU UNDER REAMED PILES including Bore pile stem and under ream bulbs</b>		Excluding Cement cost		
	ANY GRADE OF MIX AND UP TO 700 mm dia				
	<b>Unit : 1cum</b>				
	A. MATERIALS:				
	Cement	MT	as per mix design		

SI	Specification	Unit	Coefficient	Rate	Amount
	20mm HBG graded metal	cum	0.800		
	Sand	cum	0.400		
	Water (including for curing)	kl	1.200		
	<b>B. LABOUR:</b>				
	1st Class Mason	day	0.100		
	2nd Class Mason	day	0.200		
	Mazdoor (Both Men & Women)	day	3.450		
	<b>C. MACHINERY</b>				
	Weigh Batcher Hire charges (Machine mixing) charges	hour	1.000		
	<b>D. Labour Allowance on B</b>				
	<b>E. Overheads and Contractor's Profit on A+B+C+D</b>				
22	<b>DESIGN MIX CONCRETE (BATCHING PLANT at SITE) for Cast-in-Situ piles</b>				
	Supply and placing of the Design Mix Concrete corresponding to IS 456 using BATCHING PLANT at site with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as batching, mixing, pouring concrete by tremmy, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content as per IS code from standard suppliers approved by the department including tremmy pumping, laying concrete, curing etc. complete but excluding cost of steel and its fabrication charges for finished item of work.				
D	<b>BORED CAST-IN-SITU UNDER REAMED PILES including Bore pile stem and under ream bulbs</b>		Excluding Cement cost		
	ANY GRADE OF MIX AND UP TO 700 mm dia				
	<b>Unit : 1cum</b>				
	<b>A. MATERIALS:</b>				
	Cement	MT	as per mix design		
	Coarse aggregate 20mm graded	cum	0.80		
	Fine aggregate (Sand)	cum	0.40		
	Water (including for curing)	kl	1.20		
	<b>B. MACHINERY</b>				
	Batching plant at 20 cum per hour	hour	0.167		
	Transit mixer 4cum capacity for lead upto 1km	hour	0.167		
	Concrete Pump (Tremmy)	day	0.167		
	<b>C. LABOUR:</b>				
	Mason 1 <sup>st</sup> class	day	0.042		
	Mason 2 <sup>nd</sup> class	day	0.042		
	Mazdoor (unskilled)	day	0.688		
	<b>D. Labour Allowance on C</b>		0%		
	<b>E. Overheads and Contractor's Profit on A+B+C+D</b>		0%		

SI	Specification	Unit	Coefficient	Rate	Amount
	<b>Grand Total</b>				
	<b>Note :</b> Wherever concrete is carried out using batching plant, transit mixer, concrete pump, then Admixtures @ 0.4% of weight of cement may be added for achieving desired slump of concrete. If concentrated Admixture is proposed, only 0.04% of weight of Cement shall be used.				

The Heads of Departments mentioned below are requested to communicate the correction to their sub-ordinate officers.

The above changes come into force with immediate effect.

The receipt of the proceedings may please be acknowledged.

N. Rama Rao  
Engineer-in-Chief (R&B) Buildings  
Convener-Member,  
Committee of Chief Engineers- Buildings-  
SoR

To

1. Engineer-in-Chief (Admn. & NH), Roads & Buildings Department.
2. Engineer-in-Chief (IW)I&CAD, Irrigation Department.
3. Engineer-in-Chief, P.H.&M.E. Department.
4. Engineer-in-Chief (P.R.), Panchayat Raj Department.
5. Engineer-in-Chief, Tribal Welfare & Social Welfare Department.
6. Engineer-in-Chief, Greater Hyderabad Hyderabad Corporation (GHMC)
7. Chief Engineer (QC) R&B Department.
8. Chief Engineer (AP Housing Board)
9. Chief Engineer, Greater Hyderabad Hyderabad Corporation (GHMC)
10. Chief Engineer (Housing Corporation)
11. Chief Engineer (APSRTC)
12. Chief Engineer (APMSIDC)
13. Chief Engineer (AP Police Housing & Welfare Corporation)
14. Superintending Engineer (R&B), Head Quarters Circle, Hyderabad