

GOVERNMENT OF ANDHRA PRADESH



BUILDING - SSR: 2009-2010

COMMITTEE OF CHIEF ENGINEERS

STANDARD SCHEDULE OF RATES
FOR
BUILDING WORKS

FOR THE YEAR 2009-2010
(Effective from 1st June, 2009)

ALL ENGINEERING
DEPARTMENTS

Procs.No. CEB/TA8/AEE3/SSR:2009-10

Dt:05-08-2009.

Sub:- Printing of Building-SSRs for all Engineering Departments specific to the functioning of Building works – Building-SSR:2009-10 – Communication of Building-SSRs – 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-SSRs held on Dt: 15-07-2009.

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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 Building-SSR (Civil & Electrical) vide G.O. 1st cited. In accordance therewith the Committee of Chief Engineers has finalized and approved the Building-SSR: 2009-10 in the Minutes of Meeting held on 15-07-2009.

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 SSR-2009-10 remain unchanged. No other items other than the items communicated in this Building-SSR shall be introduced.

The Heads of Departments mentioned below are authorized to print the Building-SSR: 2009-10. The unauthorized printing & selling of the Building-SSR is strictly prohibited.

The revised rates will come into force with immediate effect.
The receipt of the proceedings may please be acknowledged.

Enclosed: CD as above

Sd/-
T.Baburaj
Chief Engineer (R&B) Buildings
Convener-Member,
Committee of Chief Engineers- Building-SSR

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 (R&B) (Roads), R&B Department.
6. Engineer-in-Chief (R&B) (HUDCO), R&B Department.
7. Engineer-in-Chief, Tribal Welfare & Social Welfare Department.
8. Chief Engineer (R&B) (NABARD), R&B Department.
9. Chief Engineer (QC&Member,COT), R&B Department.
10. Chief Engineer (R&B) (Designs), R&B Department.
11. Chief Engineer(AP Housing Board)
12. Chief Engineer, Greater Hyderabad (MCH)
13. Chief Engineer(Housing Corporation)
14. Chief Engineer(APSRTC)
15. Chief Engineer(APMHIDC)
16. Chief Engineer (AP Police Housing & Welfare Corporation)
17. Superintending Engineer (R&B), Head Quarters Circle, Hyderabad
18. Superintending Engineer (R&B), Electrical Circle, Hyderabad

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PREAMBLE

The Government of Andhra Pradesh have issued orders vide G.O. Ms. No: 49 Irrigation & CAD(PW- Reforms) Department Dt: 02.03.2009, approving the A.P. Revised standard data and instructed all the Engineering /Public Works departments to adopt the updated Standard data with immediate effect. The Revised standard data, which is in four parts, are communicated through the Chairman, BoCE's and Engineer-in-Chief (I&W) for implementation.

1. Part – I : Irrigation & Command Area Development
2. Part – II : Roads & Bridges
3. Part – III : Buildings
4. Part – IV : Drinking Water Supply Schemes

In accordance with the above Government orders, the A.P. Revised Standard Data for Buildings was examined thoroughly and it is observed that the labour components/ coefficients were modified keeping the advent of machinery usage in the construction works, machinery hire charges were introduced. Certain new items of materials have been added. These revised standard data necessitated a re-exercise on the pattern of Building-SSR. In view of the above, the following items have been decided by the Committee of Chief Engineers in the 'Minutes of Committee of Chief Engineers Meeting' for Building-SSRs held on Dt: 15-07-2009 in the chambers of the Chief Engineer (R&B) Buildings, Errum Manzil, Hyderabad.

1. Implementation of the A.P. Revised Standard data from the year 2009-10.
2. There are certain inconsistencies/ typographical errors observed in A.P. Revised Standard data for 'Building works' which have been corrected, rectified and approved.
3. The data for Ready Mix Concrete has been removed from the A.P. Revised Standard data as the 'Committee of Chief Engineers' have already decided not to encourage the usage of RMC for structural members.
4. Lift charges for Brick masonry, plastering, flooring etc have been made as data items and as fixed percentages on labour component in the A.P. Revised Standard data. Therefore, lift charges for above items are deleted from the Building-SSR: 2009-10.
5. Centering & Scaffolding charges for all RCC members have been made as data items and as fixed percentages on labour component in the A.P. Revised Standard data. But, the Committee of Chief Engineers have felt that, necessary finished rates for the above may be appended in the Building-SSR:2009-10 duly indicating labour components separately for different items so as to enable the estimate preparing authorities to adopt relevant area & labour allowances as per the applicability.
6. Similarly, scaffolding charges for brick masonry & plastering items also have been made as data items and as fixed percentages on labour component in the A.P. Revised Standard data. Necessary finished rates for the above have been appended in the Building-SSR:2009-10 duly

indicating labour components separately for different items so as to enable the estimate preparing authorities to adopt relevant area & labour allowances as per the applicability.

7. The wrought & put up charges for teak wood items are also deleted from the Building-SSR:2009-10 as the same are made as data items in the A.P. Revised Standard data.
8. Certain items like Ante-termite treatment, polishing & paintings, dismantling, false ceilings, aluminium partitions, etc are deleted from Building-SSR:2009-10 as datas for these items are given in A.P. Revised Standard data.
9. Further, new items such as 'Teak Wood scantlings: above 3.0 M', 'varnishes', 'thinners', false ceiling grid items, channels, angles, spares, boards, GI bolts, nuts, screws etc are introduced in the Building-SSR:2009-10 as the A.P. Revised Standard data contains data items for all the above works.
10. Machinery charges are introduced in the Building SSR: 2009-10 for Power Saw Cutter - Hand Operated - Hire charges, Power Drill - Hand Operated - Hire Charges, Grinding Mortar (Spl Grinding) etc. as per the requirement of A.P. Revised Standard data.
11. Rates for Casuarina balli posts, bamboo scaffold boards, Wall Plate Brackets / beam bottom supports, Wedge Plate fixture, Runner beams of approximately 4" x 4" size, Steel Plate - form work plates, Scaffolding Pipes & Centering Plates are proposed in the Building SSR:2009-10 based on the necessity.
12. In view of the above changes in the Building SSR, price adjustments vide G.O.Ms.No.94, T,R&B (R.1) Dt:16-04-2008, G.O.Ms.No.35, T,R&B (R.1) Dt.30.01.2009 and subsequent & related amendments may become difficult. The estimate preparing authorities are advised to substitute the relevant data items for items like: centering charges, lift charges etc., and any such item that has become a data item vide A.P. Revised Standard data while preparing the price adjustment statements.
13. 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 SSR:2009-10.
14. The rates of Labour, Common Material & Work items, Public Health items, Conveyance Rates of Materials & Hire charges of Common SSR-2009-10 remain applicable. The specifications, stipulations & all other conditions of Common-SSR other than specified in this context remain applicable.
15. As regards the Ready Mix Concrete, the Committee of Chief Engineers, is under the opinion that the Ready Mix Concrete supplied by the vendors/ suppliers may be used only for the structures where Ordinary Concretes as per IS: 456-2000 are desired and for the structures

where the Standard and High Strength Concretes vide IS: 456-2000 are required mix design may be carried out and rates may be arrived as per the design mixes.

16. The increase in the supply of SWG Pipes, bends, fittings and other related items as proposed by the Engineer-in-Chief (PH), has been finalized in the Building SSR-2009-10. The rates for the Manholes and inspection chambers are finalized based on the detailed rate analysis. The rates of CI Pipes and fittings have been fixed based on the price lists obtained from the dealers & manufacturers. Similarly the Vitreous china ware, porcelain, taps & faucets, G.I Pipes, valves & fittings and PVC Pipes & fittings have been finalized.

BUILDING ITEMS

BUILDING ITEMS

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
1	2	3	4	5
A		BRICKS & BUILDING BLOCKS		
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	3100.00
2	BMT-A.02	- do- modular size 19 x 9 x 9 cm (ex-quarry price - excluding cost of conveyance, loading & unloading)	1000 Nos	4185.00
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	15.00
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	13.00
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	9.00
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	8.00
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	4.00
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	9.00
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	7.00
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	13.00
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	10.00
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	7.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	6.00
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	3.00
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	7.00
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	6.00
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 ² of Aerocon / Airolite or equivalent products (landing cost - including cost of conveyance, loading & unloading) 600 x 200 x 100 mm	Each	65.00
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 ² of Aerocon / Airolite or equivalent products (landing cost - including cost of conveyance, loading & unloading) 600 x 200 x 150 mm	Each	90.00
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 ² of Aerocon / Airolite or equivalent products (landing cost - including cost of conveyance, loading & unloading) 600 x 200 x 200 mm	Each	120.00
B		NATURAL FLOORING STONES (ex-quarry price - excluding cost of conveyance, loading & unloading)		
21	BMT-B.01	Kadapa slab 40 mm thick and size not less than 0.457 M x 0.457 M	1 Sqm	75.00
22	BMT-B.02	Kadapa slab 50 mm thick and size not less than 0.457 M x 0.457 M	1 Sqm	86.00
23	BMT-B.03	Shahabad /Tandur Rough Stone slabs of minimum of 25 mm thick	10 Sqm	750.00
24	BMT-B.04	Shahabad / Tandur Rough Stone slabs of minimum 40 mm thick	10 Sqm	968.00
25	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
26	BMT-B.06	Polished black Kadapa slabs minimum of 15 mm thick (0.457x0.457M)	10 Sqm	1076.00
27	BMT-B.07	Polished Bethamcherla pure (marble type) white stone minimum 25 mm thick (0.254Mx0.254M)	10 Sqm	3012.80
28	BMT-B.08	Polished Bethamcherla coloured stone minimum 25 mm thick (0.254M x0.254M)	10 Sqm	2152.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
29	BMT-B.09	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) other than black/ premium colours	1Sqm	2300.00
30	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	2000.00
31	BMT-B.11	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) black	1Sqm	1700.00
32	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	570.00
33	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	460.00
34	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	780.00
35	BMT-B.15	Polished Marble Tiles 8 mm thick of all sizes and varieties	1 sqm	371.00
36	BMT-B.16	Granite stone tiles 8 mm thick (mirror polished of all shades)	1 sqm	780.00
C		WALL & FLOOR TILES (landing cost - including cost of conveyance, loading & unloading)		
37	BMT-C.01	Ceramic tiles 7.3mm thick 1st quality of all shades (as per manufacture specification)	1 sqm	374.00
38	BMT-C.02	Edge Cut - Rectified Ceramic tiles 8 mm thick 1st quality of all shades	1 sqm	450.00
39	BMT-C.03	Decorated white background glazed tiles 200 mm x 152 mm	1 sqm	459.00
40	BMT-C.04	Decorated coloured background glazed tiles 200mm x 300 mm	1 sqm	512.00
41	BMT-C.05	Fantasy Glazed Tiles size 200mm x152 mm	1 sqm	485.00
42	BMT-C.06	White glazed Tiles of any size 1st quality	1 sqm	280.00
43	BMT-C.07	Glazed coloured Tiles of any size 1st Quality	1 sqm	332.00
44	BMT-C.08	Precast Terrazzo Tiles 20 mm thick (Medium shade)	1 sqm	238.00
45	BMT-C.09	Precast Terrazzo Tiles 20 mm thick (dark shade)	1 Sqm	231.00
46	BMT-C.10	Supply & Fixing precast Terrazzo Tiles Marbleite in white & colour vains 20 mm thick	1 Sqm	250.00
47	BMT-C.11	Supply & Fixing precast Terrazzo Tiles Marbleite in white tiles 20 mm thick	1 Sqm	194.00
48	BMT-C.12	Supply & fixing Terrazzo tiles 20 mm thick grey tiles	1 Sqm	112.00
49	BMT-C.13	Vitrified polished floor tiles 900x900 of 10 to 12 mm thickness premium type 1st quality	1 Sqm	1290.00
50	BMT-C.14	Vitrified polished floor tiles 800x800 of 8 to10 mm thickness premium type 1st quality	1 Sqm	953.00
51	BMT-C.15	Vitrified polished floor tiles 600x600 of 8 to 10 mm thickness premium colour 1st quality.	1 Sqm	826.00
52	BMT-C.16	Vitrified polished floor tiles 600x600 of 8 to 10 mm thickness normal colour 1st quality.	1 Sqm	763.00
53	BMT-C.17	Vitrified polished floor tiles 400x400x7mm thickness normal colour 1st quality.	1 Sqm	572.00
54	BMT-C.18	Glass Mosaic Tiles Group 1 series or equivalent quality 20x20x4 mm thick	1 Sqm	1525.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
55	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	124.00
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
65	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
66	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	286.00
67	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	235.00
68	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	281.00
69	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	281.00
70	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	341.00
71	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	289.00
72	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	351.00
73	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	236.50
74	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	1054.00
75	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	495.00
76	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	565.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
77	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	630.00
78	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	360.00
79	BMT-C.43	Supply of sphinx or equivalent tiles : Special economy series: floor & wall	1 Sqm	460.00
80	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
81	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
82	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
83	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
84	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
85	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
D		PAVING & INTERLOCKING TILES (landing cost - including cost of conveyance, loading & unloading)		
86	BMT-D.01	Chequered Terrazzo tiles of 22 mm thick (Medium shade) 0.254 M x 0.406 M	1 sqm	229.00
87	BMT-D.02	Chequered Terrazzo tiles of 22 mm thick (Dark shade) 0.254 M x 0.406 M	1 sqm	209.00
88	BMT-D.03	Chequered Terrazzo tiles of 30 mm thick (Light shade) 0.305 M x 0.305 M	1 sqm	209.00
89	BMT-D.04	Chequered Terrazzo tiles of 30 mm thick (Dark shade) 0.305 M x 0.305 M	1 sqm	222.00
90	BMT-D.05	Chequered Terrazzo tiles of 30 mm thick (medium shade) 0.305 M x 0.305 M	1 sqm	196.00
91	BMT-D.06	Supply, laying & fixing of 60 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.	610.00
92	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
93	BMT-D.08	Supply of PHOENIX 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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
94	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
95	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
96	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
97	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
98	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 ² conforming to IS 516	1 Sqm	485.00
99	BMT-D.14	Supply of Step tiles of Category - I of ULTRA or equivalent brand of any colour, design like emperor, Dynasty with 25 mm thickness including all taxes	1 Sqm	555.00
100	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
101	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
102	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
103	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		TIMBER & ROOFING MATERIALS (landing cost - including cost of conveyance, loading & unloading)		
		Note: Before proposing the Teak Wood Items, the estimating authorities shall obtain prior approval from the competent authority		
104	BMT-E.01	Medium Teak Wood scantlings: up to 2.0 M	1 cum	54738.00
105	BMT-E.02	Medium Teak Wood scantlings: 2.0 to 3.0 M	1 cum	58270.00
106	BMT-E.03	Medium Teak Wood scantlings: above 3.0 M	1 cum	61801.00
107	BMT-E.04	Medium Teak Wood Plancks: any thickness	1 cum	102414.00
108	BMT-E.05	Best Teak Wood scantlings: up to 2.0 M	1 cum	77693.00
109	BMT-E.06	Best Teak Wood scantlings: 2.0 to 3.0 M	1 cum	81225.00
110	BMT-E.07	Best Teak Wood scantlings: above 3.0 M	1 cum	84756.00
111	BMT-E.08	Best Teak Wood Plancks: any thickness	1 cum	116540.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
112	BMT-E.09	Burma Teak Wood scantlings: up to 2.0 M	1 cum	123603.00
113	BMT-E.10	Burma Teak Wood scantlings: 2.0 to 3.0 M	1 cum	127134.00
114	BMT-E.11	Burma Teak Wood scantlings: above 3.0 M	1 cum	130666.00
115	BMT-E.12	Burma Teak Wood Plancks: any thickness	1 cum	144793.00
116	BMT-E.13	Assam Teak Wood scantlings: any length	1 cum	35315.00
117	BMT-E.14	Assam Teak Wood Plancks: any thickness	1 cum	51207.00
118	BMT-E.15	Sal Wood scantlings: any length	1 cum	38847.00
119	BMT-E.16	Sal Wood Plancks: any thickness	1 cum	49441.00
120	BMT-E.17	A.C sheet Corrugated 6 mm thick	1 sqm	188.00
121	BMT-E.18	A.C sheet plain 4 m thick	1 sqm	135.00
122	BMT-E.19	A.C sheet plain 6 m thick	1 sqm	140.00
123	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
F		MILD, GALVANIZED & STAINLESS STEEL (landing cost - including cost of conveyance, loading & unloading)		
124	BMT-F.01	MS. Hallow door frames manufactured by cold roll formed process steel sheet 1.25mm thick bright CRCA confirming to IS 4351 - 1976 with Hinges tower Bolts etc.	1 Rm	233.00
125	BMT-F.02	Country Nails	1 Kg	45.00
126	BMT-F.03	Wire Nails	1 Kg	45.00
127	BMT-F.04	Mild Steel Tubes & pipes of all diameters as per IS-1161	1 Kg	45.00
128	BMT-F.05	Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters - 204 Grade	1 Kg	140.00
129	BMT-F.06	Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters for - 304 Grade	1 Kg	210.00
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	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
138	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
139	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
140	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
141	BMT-F.18	GI (M.S) fly proof wire mesh 16 x 20 gauge	1 Sqm	155.00
142	BMT-F.19	SS fly proof mesh	1 Sqm	376.00
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	BMT-F.28	Rabbit wire mesh (chicken mesh)	1 Sqm	12.00
152	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
153	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
G		FIXTURES FOR DOORS & WINDOWS		
154	BMT-G.01	Brass Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	76.00
155	BMT-G.02	Brass Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	112.00
156	BMT-G.03	Brass Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	150.00
157	BMT-G.04	Brass Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	186.00
158	BMT-G.05	Brass Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	230.00
159	BMT-G.06	Aluminium Tower Bolt-10 mm Bolt (IS:204) 75 mm Long	Each	47.00

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160	BMT-G.07	Aluminium Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	57.00
161	BMT-G.08	Aluminium Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	69.00
162	BMT-G.09	Aluminium Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	86.00
163	BMT-G.10	Aluminium Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	103.00
164	BMT-G.11	Aluminium Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	120.00
165	BMT-G.12	Aluminium Tower Bolt-10 mm Bolt (IS:204) 350 mm Long	Each	324.00
166	BMT-G.13	Aluminium Tower Bolt-10 mm Bolt (IS:204) 450 mm Long	Each	410.00
167	BMT-G.14	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	18.00
168	BMT-G.15	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	27.00
169	BMT-G.16	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	38.00
170	BMT-G.17	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	51.00
171	BMT-G.18	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	63.00
172	BMT-G.19	Brass Butt hinges (IS:205)- 75 mm Long	Each	32.00
173	BMT-G.20	Brass Butt hinges (IS:205)- 100 mm Long	Each	104.00
174	BMT-G.21	Brass Butt hinges (IS:205)- 125 mm Long	Each	126.00
175	BMT-G.22	Brass Butt hinges (IS:205)- 150 mm Long	Each	166.00
176	BMT-G.23	Aluminium Butt hinges (IS:205)- 75 mm Long	Each	68.00
177	BMT-G.24	Aluminium Butt hinges (IS:205)- 100 mm Long	Each	81.00
178	BMT-G.25	Aluminium Butt hinges (IS:205)- 125 mm Long	Each	96.00
179	BMT-G.26	Aluminium Butt hinges (IS:205)- 150 mm Long	Each	100.00
180	BMT-G.27	MS-Powder Coated Butt hinges (IS:205)- 75 mm Long	Each	8.00
181	BMT-G.28	MS-Powder Coated Butt hinges (IS:205)- 100 mm Long	Each	16.00
182	BMT-G.29	MS-Powder Coated Butt hinges (IS:205)- 125 mm Long	Each	23.00
183	BMT-G.30	MS-Powder Coated Butt hinges (IS:205)- 150 mm Long	Each	31.00
184	BMT-G.31	Aluminium Door Handles (IS:208) 75 mm Long	Each	45.00
185	BMT-G.32	Aluminium Door Handles (IS:208) 100 mm Long	Each	51.00
186	BMT-G.33	Aluminium Door Handles (IS:208) 125 mm Long	Each	76.00
187	BMT-G.34	Aluminium Door Handles (IS:208) 150 mm Long	Each	85.00
188	BMT-G.35	MS-Powder Coated Door Handles (IS:208) 125 mm Long	Each	23.00
189	BMT-G.36	MS-Powder Coated Door Handles (IS:208) 150 mm Long	Each	34.00
190	BMT-G.37	Brass Aldrop (IS:2681) 300 mm long	Each	675.00
191	BMT-G.38	Brass Aldrop (IS:2681) 350 mm long	Each	1299.00
192	BMT-G.39	Brass Aldrop (IS:2681) 450 mm long	Each	1850.00
193	BMT-G.40	Aluminium Aldrop (IS:2681) 200 mm long	Each	200.00
194	BMT-G.41	Aluminium Aldrop (IS:2681) 250 mm long	Each	238.00
195	BMT-G.42	Aluminium Aldrop (IS:2681) 300 mm long	Each	258.00
196	BMT-G.43	MS-Powder Coated Aldrop (IS:2681) 200 mm long	Each	80.00
197	BMT-G.44	MS-Powder Coated Aldrop (IS:2681) 250 mm long	Each	104.00
198	BMT-G.45	MS-Powder Coated Aldrop (IS:2681) 300 mm long	Each	124.00
199	BMT-G.46	Brass Door Stoppers	Each	135.00
200	BMT-G.47	Brass Windows Stay	Each	154.00
201	BMT-G.48	Aluminium Flat Latches: 200 mm long	Each	96.00
202	BMT-G.49	Aluminium Flat Latches: 250 mm long	Each	109.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
203	BMT-G.50	Aluminium Flat Latches: 300 mm long	Each	115.00
204	BMT-G.51	MS-Powder Coated Flat Latches: 250 mm long	Each	39.00
205	BMT-G.52	MS-Powder Coated Flat Latches: 300 mm long	Each	50.00
206	BMT-G.53	MS-Powder Coated - Door Stoppers	Each	34.00
207	BMT-G.54	Supply & fixing drapery rods (25.4 mm) 1" x 21 G Powder coated with PVC rings	RM	88.00
208	BMT-G.55	Supply & fixing drapery bracket - brass powder coated	pair	309.00
209	BMT-G.56	Deluxe window stay Aluminium	Each	88.00
210	BMT-G.57	Heavy duty Aluminium Door stopper	Each	38.00
211	BMT-G.58	Brass fancy handles 150 mm	Each	230.00
212	BMT-G.59	Brass fancy handles 200 mm	Each	312.00
213	BMT-G.60	Brass fancy handles 250 mm	Each	562.00
214	BMT-G.61	Brass fancy handles 300 mm	Each	718.00
215	BMT-G.62	Brass fancy handles 450 mm	Each	1122.00
216	BMT-G.63	Door closer automatic hyper brand IS 3564	Each	766.00
217	BMT-G.64	Double action brass plate floor spring Hyper brand IS 6315	Each	969.00
218	BMT-G.65	Providing and fixing Floor spring 1 st Quality for Aluminium door	Each	2422.00
219	BMT-G.66	Heavy duty mortise lock 6/7 levers with PC or CP handles complete set	Each	474.00
220	BMT-G.67	Heavy duty mortise lock 6/7 levers with brass heavy handles	Each	1651.00
221	BMT-G.68	Brass latch heavy 300 mm	Each	394.00
222	BMT-G.69	Brass latch heavy 350 mm	Each	453.00
223	BMT-G.70	Brass latch heavy 450 mm	Each	598.00
224	BMT-G.71	Friction stay hinges for windows	Each	74.00
225	BMT-G.72	Keyless lockset for toilet with CP or PC handles (complete set)	Each	213.00
226	BMT-G.73	Keyless lock set for toilet with brass handles	Each	565.00
227	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
228	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
229	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
230	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
231	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
232	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
H		WATER PROOFING CHEMICALS & ADMIXTURES		
		Literature for usage / application of construction / water proofing materials, epoxies etc, may be obtained from manufacturers.		
233	BMT-H.01	Impervious Water Proofing compound	1 Kg	24.00
234	BMT-H.02	Providing Tar felting roof repairs 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
235	BMT-H.03	Providing waterproofing treatment by supplying and applying ROOFSHIELD-1500 OR 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
236	BMT-H.04	Providing Chemical Water proof treatment with Brick bat coba & chemical cement mortars to exposed RCC roof slab surfaces to required slopes mixed with water proofing 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 water proofing 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 2009-10
237	BMT-H.05	Providing Chemical Water proof treatment with Brick bat coba & chemical cement mortars to exposed RCC roof slab surfaces to required slopes mixed with water proofing 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 water proofing 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
238	BMT-H.06	Construction Chemicals, Epoxy & Admixtures: Conflow SNP1 or Equivalent	1 liter	66.00
239	BMT-H.07	Construction Chemicals, Epoxy & Admixtures: Conflow SNP20 or Equivalent	1 litre	70.00
240	BMT-H.08	Construction Chemicals, Epoxy & Admixtures: Conflow SNPA or Equivalent	1 litre	88.00
241	BMT-H.09	Super plasticizer: Conflow SNS 1 or equivalent	Litre	78.00
242	BMT-H.10	Super plasticizer: Conflow SNS 2 or equivalent	Litre	78.00
243	BMT-H.11	Accelerating plasticizer: Conflow SNA or equivalent	Litre	84.00
244	BMT-H.12	Retarding plasticizer: Conflow SNR or equivalent	Litre	66.00
245	BMT-H.13	Air Entraining Agent: Conflow SNE or equivalent	Litre	56.00
246	BMT-H.14	Retarding super plasticizer: Conflow SNS-3 SPL	Litre	78.00
247	BMT-H.15	Retarding super plasticizer: Conflow SNS-3	Litre	92.00
248	BMT-H.16	Mortar plasticizer: Morflow SN 1	Litre	36.00
249	BMT-H.17	Integral water proofing: Conflow SNW1	Litre	90.00
250	BMT-H.18	Integral water proofing: Conflow SNW2	Kg	11.00
251	BMT-H.19	Integral water proofing: Conflow SNW2 - 750 Gms	Pack	35.00
252	BMT-H.20	Block Admixture: Conflow SNB	Litre	39.00
253	BMT-H.21	Sprayed Concrete Accelerator: Shotset SN1	Kg	24.00
254	BMT-H.22	Concrete surface Treatment: Curaid SN1	Litre	71.00
255	BMT-H.23	Concrete surface Treatment: Curaid SN2	Litre	76.00
256	BMT-H.24	Formwork & Mould Treatment: Shutterol SNU	Litre	77.00
257	BMT-H.25	Cleaning Agents: Uniklen SN1	Litre	49.00
258	BMT-H.26	Cleaning Agents: Uniklen SN2	Litre	66.00
259	BMT-H.27	Cleaning Agents: Uniklen SN3	Litre	146.00
260	BMT-H.28	Non-shrink Free flow grout: Expacrete SN50	Kg	13.00
261	BMT-H.29	Non-shrink Free flow grout: Expacrete SN70	Kg	14.00
262	BMT-H.30	Non-shrink Free flow grout: Expacrete SN90	Kg	20.00
263	BMT-H.31	Non-shrink Free flow grout: Expacem SN2	pack	29.00
264	BMT-H.32	Epoxy Resin Grouts: Expacrete SNE 1	Kg	724.00
265	BMT-H.33	Epoxy Resin Grouts: Expacrete SNE 3	pack	2635.00
266	BMT-H.34	Polyester Resin Grouts: Anchorset SN1	pack	181.00
267	BMT-H.35	Polyester Resin Grouts: Anchorset SN2	pack	1709.00
268	BMT-H.36	Floor Hardeners: Flortop SNC	Kg	28.00
269	BMT-H.37	Floor Hardeners: Flortop SNS	Kg	17.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
270	BMT-H.38	Epoxy Floor coating: Procoat SNF	Pack	592.00
271	BMT-H.39	Epoxy Floor coating: Procoat SNS	Pack	563.00
272	BMT-H.40	Essenputty SNE or Equivalent	Pack	272.00
273	BMT-H.41	Procoat SNZ or Equivalent	Pack	1333.00
274	BMT-H.42	Procoat SNL or Equivalent	Pack	955.00
275	BMT-H.43	Epoxy Self Leveling (Flooring system): Flortop SNSL	Pack	4035.00
276	BMT-H.44	Epoxy Self Leveling: Flortop SNSL-SPL	Pack	3128.00
277	BMT-H.45	Heavy Duty Epoxy Base (Flooring):Flortop SNM	Pack	1547.00
278	BMT-H.46	Flortop SNFM or Equivalent	Pack	1170.00
279	BMT-H.47	Epoxy resin primer: Florcoat SNP	Pack	658.00
280	BMT-H.48	Procoat SNC or Equivalent	Pack	1350.00
281	BMT-H.49	Procoat SNP or Equivalent	Pack	633.00
282	BMT-H.50	Procoat SNP2 or Equivalent	Pack	1098.00
283	BMT-H.51	Repair Products:Reprecrete SNC	Kg	14.00
284	BMT-H.52	Repair Products:Reprecrete SNE1	Pack	1358.00
285	BMT-H.53	Repair Products:Reprecrete SNW	Pack	906.00
286	BMT-H.54	Repair Products:Reprecrete SNW Mortar	Pack	280.00
287	BMT-H.55	Uniplug SN or Equivalent	Kg	35.00
288	BMT-H.56	Water Proofing Systems: Aqua coat SNF	Pack	2170.00
289	BMT-H.57	Water Repellents: Aquarepel SN1	Litre	74.00
290	BMT-H.58	Tile Adhesives: Tilegrip SNU	Kg	20.00
291	BMT-H.59	Bonding Adhesives: Conbond SNA	Litre	283.00
292	BMT-H.60	Bonding Adhesives: Conbond SNE	Pack	757.00
293	BMT-H.61	Supply of concare anti-corrosion admixture inhibitor liquid as per Central Electro Chemical Research Institute developed specification	Litre	180.00
294	BMT-H.62	HI-BOND: Concrete Plasticizers: HI-PLAST 01	Litre	45.00
295	BMT-H.63	Concrete Plasticizers: HI-PLAST 02	Litre	57.00
296	BMT-H.64	Concrete Plasticizers: HI-PLAST PA	Litre	75.00
297	BMT-H.65	Super Plasticizers: HI-PLAST SP	Litre	57.00
298	BMT-H.66	Super Plasticizers: HI-PLAST SP AR	Litre	57.00
299	BMT-H.67	Accelerating Plasticizers: HI-PLAST AR	Litre	72.00
300	BMT-H.68	Retarding Plasticizers: HI-PLAST RT	Litre	45.00
301	BMT-H.69	Air Entraining Agents: HI-PLAST A.E	Litre	45.00
302	BMT-H.70	Retarding Super Plasticizers: HI-PLAST SP RT	Litre	57.00
303	BMT-H.71	HI-PLAST RSP or Equivalent	Litre	75.00
304	BMT-H.72	Mortar Plasticizers: HI-PLAST MP	Litre	21.00
305	BMT-H.73	Integral Water Proofing compounds: HI-PROOF (L)	Litre	65.00
306	BMT-H.74	HI-PROOF (P) or Equivalent	Kg	9.00
307	BMT-H.75	Pack size 750 Gms	Pack	11.00
308	BMT-H.76	Block Admixtures: HI-ADMIX	Litre	22.00
309	BMT-H.77	Sprayed Concrete Accelerators: HI-ACCEL	Kg	22.00
310	BMT-H.78	Surface Treatments curing compounds: HI-CURE 01	Litre	57.00
311	BMT-H.79	Surface Treatments curing compounds: HI-CURE 02	Litre	60.00
312	BMT-H.80	Repair Products: HI-CRM	Kg	13.00
313	BMT-H.81	HI-CRM EX or Equivalent	Pack	1609.00
314	BMT-H.82	HI-CRM EXW or Equivalent	Pack	804.00
315	BMT-H.83	HI-CRM EX M or Equivalent	Pack	226.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
316	BMT-H.84	Water Proofing: HI-SHIELD or Equivalent	Pack	1772.00
317	BMT-H.85	Water Repellents: HI-REPEL or Equivalent	Litre	54.00
318	BMT-H.86	Adhesive Tile Adhesives: HI-ADHESIVE	Kg	18.00
319	BMT-H.87	Bonding Adhesives: HI-FIX HFA	Litre	244.00
320	BMT-H.88	HI-FIX HFE or Equivalent	Pack	670.00
321	BMT-H.89	HI-BOND Wall Putty Normal or Equivalent	25 Kg	375.00
322	BMT-H.90	HI-BOND Wall Putty Fine or Equivalent	25 Kg	310.00
323	BMT-H.91	HI-BOND Wall Putty Super Fine or Equivalent	25 Kg	336.00
324	BMT-H.92	HI-BOND Wall Putty Super Fine (Water Resistant) or Equivalent	25 Kg	971.00
325	BMT-H.93	BITUMINOUS HOT SEALING COMPOUND: Grade 'A' I.S.I excluding ST	1 Kg	26.00
326	BMT-H.94	Bitumen solution primer of approved quality	1 Kg	45.00
327	BMT-H.95	Tar Felt Type - 2 Grade - 1	1 sqm	74.00
I		GLASS		
328	BMT-I.01	Plain Float Glass 4 mm thick	1 sqm	334.00
329	BMT-I.02	Plain Float Glass 5 mm thick	1 sqm	427.00
330	BMT-I.03	Plain Float Glass 6 mm thick	1 Sqm	460.00
331	BMT-I.04	Plain Float Glass 8 mm thick	1 Sqm	713.00
332	BMT-I.05	Plain Float Glass 10 mm thick	1 Sqm	840.00
333	BMT-I.06	Plain Float Glass 12 mm thick	1 Sqm	1047.00
334	BMT-I.07	Tinted - Bronze/ Green Glass 4 mm thick	1 sqm	453.00
335	BMT-I.08	Tinted - Bronze/ Green Glass 5 mm thick	1 sqm	570.00
336	BMT-I.09	Tinted - Bronze/ Green Glass 6 mm thick	1 Sqm	638.00
337	BMT-I.10	Tinted - Bronze/ Green Glass 8 mm thick	1 Sqm	1021.00
338	BMT-I.11	Tinted - Bronze/ Green Glass 10 mm thick	1 Sqm	1304.00
339	BMT-I.12	Tinted - Bronze/ Green Glass 12 mm thick	1 Sqm	1562.00
340	BMT-I.13	Pin headed Glass 4 mm thick	1 sqm	220.00
341	BMT-I.14	Pin headed Glass 5 mm thick	1 sqm	376.00
342	BMT-I.15	Frosted / Ground Glass 4 mm thick	1 sqm	485.00
343	BMT-I.16	Frosted / Ground Glass 5 mm thick	1 sqm	609.00
344	BMT-I.17	Toughened Plain Glass 5 mm (including Glass)	1 sqm	962.00
345	BMT-I.18	Toughened Plain Glass 6 mm (including Glass)	1 sqm	1107.00
346	BMT-I.19	Toughened Plain Glass 8 mm (including Glass)	1 sqm	1606.00
347	BMT-I.20	Toughened Plain Glass 10 mm (including Glass)	1 sqm	1892.00
348	BMT-I.21	Toughened Plain Glass 12 mm (including Glass)	1 sqm	2182.00
J		PAINTS & POLISHES		
349	BMT-J.01	Cement primer Grade –I	1 Kg	125.00
350	BMT-J.02	Cement primer Grade –II	1 Kg	65.00
351	BMT-J.03	Red Oxide Iron Primer Paint Grade -1	1 Litre	100.00
352	BMT-J.04	Zinc Chromate Yellow Oxide Iron Primer paint	1 Litre	150.00
353	BMT-J.05	Wood Primer	1 Litre	110.00
354	BMT-J.06	Putty for steel work	1 Kg	160.00
355	BMT-J.07	Putty for wood work	1 Kg	160.00
356	BMT-J.08	White Lead	1 Kg	74.00
357	BMT-J.09	Varnish	1 Litre	70.00
358	BMT-J.10	Spirit	1 Litre	70.00
359	BMT-J.11	Linseed Oil	1 Litre	40.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
360	BMT-J.12	Thinner for Melamine polish/ French polish - Sheenlac	1 Litre	70.00
361	BMT-J.13	Thinner for Poly-urethane polish	1 Litre	190.00
362	BMT-J.14	French Polish	1 Litre	160.00
363	BMT-J.15	Wax Polish (Ready made)	1 Kg	400.00
364	BMT-J.16	Melamine Polish	1 Litre	280.00
365	BMT-J.17	Poly-Urethane Polish - Interior Grade	1 Litre	450.00
366	BMT-J.18	Poly-Urethane Polish - Exterior Grade	1 Litre	550.00
367	BMT-J.19	Fevicol/ Wood adhesive compound	1 Kg	156.00
368	BMT-J.20	Dry Powder Distemper	1 Kg	30.00
369	BMT-J.21	Oil Bound Washable Distemper Acrylic Based	1 Kg	80.00
370	BMT-J.22	Plastic Emulsion Paint standard make	1 Litre	200.00
371	BMT-J.23	Royale Emulsion Paint	1 Litre	350.00
372	BMT-J.24	Water proof Cement paint of Superior Quality	1 Kg	45.00
373	BMT-J.25	Trump	1 Litre	165.00
374	BMT-J.26	Snowcem or equivalent quality	25 Kg	950.00
375	BMT-J.27	Surya Cem or equivalent quality	25 Kg	350.00
376	BMT-J.28	Anti Corrosive bitumen paint (Black) grade1	1 Litre	389.00
377	BMT-J.29	Aluminium paint 1 st Grade	1 Litre	200.00
378	BMT-J.30	Synthetic Enamel paints in all shades Grade - I	1 Litre	180.00
379	BMT-J.31	Synthetic Enamel paints in all shades Grade - II	1 Litre	140.00
380	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 or equivalent)	1 Sqm	65.00
381	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 or equivalent)	1 Sqm	70.00
382	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 or equivalent)	1 Sqm	75.00
383	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 or equivalent)	1 Sqm	80.00
384	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 super track for internal walls (Emulsion Paint)	1 Sqm.	106.00
385	BMT-J.37	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 Delight for internal walls (Acrylic Washable Distemper)	1 Sqm.	90.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
386	BMT-J.38	Supply & Application One Coat of Altek/ sai coat/ Neon Water Based Cement Primer & Two Coats of Altek Harmony/sai coat/ Neon Espro with fungicides for exterior walls (Emulsion Paint Exterior Grade).	1 Sqm.	96.00
387	BMT-J.39	Supply & Application of One Coat of Altek/sai coat/ Neon Water Based Cement Primer & Two Coats of Altek Alltime/sai coat/ Neon weather flex for exterior walls (Acrylic Emulsion Paint Exterior grade)	1 Sqm.	132.00
388	BMT-J.40	Altek 1127 Cement Based Putty	20 Kg	600.00
389	BMT-J.41	Altek Top Coat High UV resistant Exterior Paint	25 Kg	1403.00
390	BMT-J.42	Altek Deco Orient Base Exterior Texture	25 Kg	540.00
391	BMT-J.43	Altek Gold line Exterior Texture	25 Kg	1312.00
392	BMT-J.44	NCL Skim coat 1127 is 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
393	BMT-J.45	Supply & application of One coat of Altek 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
394	BMT-J.46	Supply & application of One Coat Water based Cement Primer, One coat of Deco Orient Base Exterior Texture & two coats of Altek Harmony (Emulsion paint exterior grade) inclusive of all taxes for finished item of work	1 Sqm	215.00
395	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	225.00
K		PARTICLE BOARDS		
396	BMT-K.01	Plain Particle Board: Interior Grade - 6 mm thick	1 Sqm	183.00
397	BMT-K.02	Plain Particle Board: Interior Grade - 8 mm thick	1 Sqm	196.00
398	BMT-K.03	Plain Particle Board: Interior Grade - 10 mm thick	1 Sqm	216.00
399	BMT-K.04	Plain Particle Board: Interior Grade - 12 mm thick	1 Sqm	229.00
400	BMT-K.05	Plain Particle Board: Interior Grade - 18 mm thick	1 Sqm	282.00
401	BMT-K.06	Plain Particle Board: Interior Grade - 21.4 mm thick	1 Sqm	334.00
402	BMT-K.07	Plain Particle Board: Interior Grade - 25 mm thick	1 Sqm	353.00
403	BMT-K.08	Plain Particle Board: Interior Grade - 35 mm thick	1 Sqm	614.00
404	BMT-K.09	Plain Particle Board: Exterior Grade- 8 mm thick	1 Sqm	229.00
405	BMT-K.10	Plain Particle Board: Exterior Grade-12 mm thick	1 Sqm	255.00
406	BMT-K.11	Plain Particle Board: Exterior Grade-18 mm thick	1 Sqm	334.00
407	BMT-K.12	Plain Particle Board: Exterior Grade-21.4 mm thick	1 Sqm	392.00
408	BMT-K.13	Plain Particle Board: Exterior Grade-25 mm thick	1 Sqm	444.00
409	BMT-K.14	Plain Particle Board: Exterior Grade-35 mm thick	1 Sqm	726.00
410	BMT-K.15	Melamine faced Single Deco PPB- 8 mm thick	1 Sqm	475.00
411	BMT-K.16	Melamine faced Single Deco PPB- 12 mm thick	1 Sqm	538.00
412	BMT-K.17	Melamine faced Single Deco PPB- 18 mm thick	1 Sqm	624.00
413	BMT-K.18	Melamine faced Single Deco PPB- 25 mm thick	1 Sqm	707.00
414	BMT-K.19	Melamine faced Single Deco PPB- 35 mm thick	1 Sqm	1176.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
415	BMT-K.20	Melamine faced Twin Deco PPB- 8 mm thick	1 Sqm	546.00
416	BMT-K.21	Melamine faced Twin Deco PPB- 12 mm thick	1 Sqm	624.00
417	BMT-K.22	Melamine faced Twin Deco PPB-18 mm thick	1 Sqm	722.00
418	BMT-K.23	Melamine faced Twin Deco PPB-25 mm thick	1 Sqm	799.00
419	BMT-K.24	Melamine faced Twin Deco PPB-35 mm thick	1 Sqm	1503.00
420	BMT-K.25	Natural Colour-Insulating Board - 12 mm thick	1 Sqm	177.00
421	BMT-K.26	Natural Colour-Insulating Board - 18 mm thick	1 Sqm	261.00
422	BMT-K.27	Natural Colour-Insulating Board - 25 mm thick	1 Sqm	333.00
423	BMT-K.28	White Insulating Board - 12 mm thick	1 Sqm	216.00
424	BMT-K.29	White Insulating Board - 18 mm thick	1 Sqm	308.00
425	BMT-K.30	White Insulating Board - 25 mm thick	1 Sqm	274.00
426	BMT-K.31	Extra for veneered particle Board with commercial veneering on both sides.	1 Sqm	105.00
427	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
428	BMT-K.33	Extra for veneered particle Board with Teak veneering on both sides	1Sqm	347.00
429	BMT-K.34	Medium Fibre Board: Interior Grade - 6 mm thick	1 Sqm	288.00
430	BMT-K.35	Medium Fibre Board: Interior Grade - 8 mm thick	1Sqm	327.00
431	BMT-K.36	Medium Fibre Board: Interior Grade - 12 mm thick	1 Sqm	438.00
432	BMT-K.37	Medium Fibre Board: Interior Grade - 15 mm thick	1Sqm	556.00
433	BMT-K.38	Medium Fibre Board: Interior Grade - 18 mm thick	1 Sqm	621.00
434	BMT-K.39	Medium Fibre Board: Interior Grade - 25 mm thick	1Sqm	883.00
435	BMT-K.40	Medium Fibre Board: Interior Grade - 30 mm thick	1 Sqm	1066.00
436	BMT-K.41	Medium Fibre Board: Interior Grade - 35 mm thick	1Sqm	1163.00
437	BMT-K.42	Medium Fibre Board: Exterior Grade - 6 mm thick	1 Sqm.	393.00
438	BMT-K.43	Medium Fibre Board: Exterior Grade - 8 mm thick	1 Sqm.	457.00
439	BMT-K.44	Medium Fibre Board: Exterior Grade - 12 mm thick	1 Sqm.	605.00
440	BMT-K.45	Medium Fibre Board: Exterior Grade - 15 mm thick	1 Sqm.	760.00
441	BMT-K.46	Medium Fibre Board: Exterior Grade - 18 mm thick	1 Sqm.	851.00
442	BMT-K.47	Medium Fibre Board: Exterior Grade - 25 mm thick	1 Sqm.	1135.00
443	BMT-K.48	Medium Fibre Board: Exterior Grade - 30 mm thick	1 Sqm.	1413.00
444	BMT-K.49	Medium Fibre Board: Exterior Grade - 35 mm thick	1 Sqm.	1669.00
445	BMT-K.50	MDF Board: Plain-Interior - 9 mm thick	1 Sqm	264.00
446	BMT-K.51	MDF Board: Plain-Interior - 12 mm thick	1 Sqm	301.00
447	BMT-K.52	MDF Board: Plain-Interior - 18 mm thick	1 Sqm	372.00
448	BMT-K.53	MDF Board: Plain-Interior - 25 mm thick	1 Sqm	448.00
449	BMT-K.54	MDF Board: Plain-Interior - 30 mm thick	1 Sqm	681.00
450	BMT-K.55	MDF Board: Plain-Interior - 35 mm thick	1 Sqm	805.00
451	BMT-K.56	MDF Board: Plain-Exterior - 9 mm thick	1 Sqm	346.00
452	BMT-K.57	MDF Board: Plain-Exterior - 12 mm thick	1 Sqm	372.00
453	BMT-K.58	MDF Board: Plain-Exterior - 18 mm thick	1 Sqm	489.00
454	BMT-K.59	MDF Board: Plain-Exterior - 25 mm thick	1 Sqm	613.00
455	BMT-K.60	MDF Board: Plain-Exterior - 30 mm thick	1 Sqm	805.00
456	BMT-K.61	MDF Board: Plain-Exterior - 35 mm thick	1 Sqm	929.00
457	BMT-K.62	MDF Board: Interior-One Side Laminated -9 mm thick	1 Sqm	415.00
458	BMT-K.63	MDF Board: Interior-One Side Laminated -12 mm thick	1 Sqm	469.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
459	BMT-K.64	MDF Board: Interior-One Side Laminated -18 mm thick	1 Sqm	545.00
460	BMT-K.65	MDF Board: Interior-One Side Laminated -25 mm thick	1 Sqm	613.00
461	BMT-K.66	MDF Board: Interior-One Side Laminated -30 mm thick	1 Sqm	886.00
462	BMT-K.67	MDF Board: Interior-One Side Laminated -35 mm thick	1 Sqm	945.00
463	BMT-K.68	MDF Board: Exterior-One Side Laminated -9 mm thick	1 Sqm	477.00
464	BMT-K.69	MDF Board: Exterior-One Side Laminated -12 mm thick	1 Sqm	534.00
465	BMT-K.70	MDF Board: Exterior-One Side Laminated -18 mm thick	1 Sqm	607.00
466	BMT-K.71	MDF Board: Exterior-One Side Laminated -25 mm thick	1 Sqm	709.00
467	BMT-K.72	MDF Board: Exterior-One Side Laminated -30 mm thick	1 Sqm	945.00
468	BMT-K.73	MDF Board: Exterior-One Side Laminated -35 mm thick	1 Sqm	1004.00
469	BMT-K.74	MDF Board: Interior-Both Side Laminated -9 mm thick	1 Sqm	474.00
470	BMT-K.75	MDF Board: Interior-Both Side Laminated -12 mm thick	1 Sqm	534.00
471	BMT-K.76	MDF Board: Interior-Both Side Laminated -18 mm thick	1 Sqm	613.00
472	BMT-K.77	MDF Board: Interior-Both Side Laminated -25 mm thick	1 Sqm	769.00
473	BMT-K.78	MDF Board: Interior-Both Side Laminated -30 mm thick	1 Sqm	945.00
474	BMT-K.79	MDF Board: Interior-Both Side Laminated -35 mm thick	1 Sqm	1004.00
475	BMT-K.80	MDF Board: exterior-Both Side Laminated -9 mm thick	1 Sqm	534.00
476	BMT-K.81	MDF Board: exterior-Both Side Laminated -12 mm thick	1 Sqm	606.00
477	BMT-K.82	MDF Board: exterior-Both Side Laminated -18 mm thick	1 Sqm	716.00
478	BMT-K.83	MDF Board: exterior-Both Side Laminated -25 mm thick	1 Sqm	784.00
479	BMT-K.84	MDF Board: exterior-Both Side Laminated -30 mm thick	1 Sqm	992.00
480	BMT-K.85	MDF Board: exterior-Both Side Laminated -35 mm thick	1 Sqm	1063.00
481	BMT-K.86	Plain Cement Bonded Particle Board IS:14276 - 6 mm thick	1 sqm	160.00
482	BMT-K.87	Plain Cement Bonded Particle Board IS:14276 - 8 mm thick	1 sqm	214.00
483	BMT-K.88	Plain Cement Bonded Particle Board IS:14276 - 10 mm thick	1 sqm	265.00
484	BMT-K.89	Plain Cement Bonded Particle Board IS:14276 - 12 mm thick	1 sqm	318.00
485	BMT-K.90	Plain Cement Bonded Particle Board IS:14276 - 16 mm thick	1 sqm	425.00
486	BMT-K.91	Plain Cement Bonded Particle Board IS:14276 - 20 mm thick	1 sqm	530.00
487	BMT-K.92	Plain Cement Bonded Particle Board IS:14276 - 25 mm thick	1 sqm	662.00
488	BMT-K.93	Plain Cement Bonded Particle Board IS:14276 - 30 mm thick	1 sqm	794.00
489	BMT-K.94	Plain Cement Bonded Particle Board IS:14276 - 40 mm thick	1 sqm	1062.00
490	BMT-K.95	Both side Prelaminted Cement Particle Board - 6 mm thick	1 sqm	463.00
491	BMT-K.96	Both side Prelaminted Cement Particle Board - 8 mm thick	1 sqm	500.00
492	BMT-K.97	Both side Prelaminted Cement Particle Board - 10 mm thick	1 sqm	537.00
493	BMT-K.98	Both side Prelaminted Cement Particle Board - 12 mm thick	1 sqm	588.00
494	BMT-K.99	Both side Prelaminted Cement Particle Board - 16 mm thick	1 sqm	653.00
495	BMT-K.100	Bison Designer Board : 6mm	1 sqm	167.00
496	BMT-K.101	Bison Designer Board : 8mm	1 sqm	223.00
497	BMT-K.102	Bison Designer Board : 10mm	1 sqm	276.00
498	BMT-K.103	Bison Designer Board : 12mm	1 sqm	332.00
499	BMT-K.104	Bison Designer Board : 16mm	1 sqm	444.00
500	BMT-K.105	V-Board-Cement Bonded Board - 4mm Thick	1 Sqm	111.00
501	BMT-K.106	V-Board-Cement Bonded Board - 6mm Thick	1 Sqm	160.00
502	BMT-K.107	V-Board-Cement Bonded Board - 8mm Thick	1 Sqm	205.00
503	BMT-K.108	V-Board-Cement Bonded Board - 10mm Thick	1 Sqm	237.00
504	BMT-K.109	V-Board-Cement Bonded Board - 12mm Thick	1 Sqm	295.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
505	BMT-K.110	V-Board-Cement Bonded Board - 14mm Thick	1 Sqm	330.00
506	BMT-K.111	V-Board-Cement Bonded Board - 16mm Thick	1 Sqm	376.00
507	BMT-K.112	V-Board-Cement Bonded Board - 18mm Thick	1 Sqm	425.00
508	BMT-K.113	V-Board-Cement Bonded Board - 20mm Thick	1 Sqm	450.00
509	BMT-K.114	Laminate Sheets - Glossy Finish: 1.00 mm thick	1 Sqm	282.00
510	BMT-K.115	Laminate Sheets - Glossy Finish: 1.50 mm thick	1Sqm	405.00
511	BMT-K.116	Laminate Sheets - Glossy Finish: 1.80 mm thick	1Sqm	444.00
512	BMT-K.117	Laminate Sheets - Mat Finish: 1.00 mm thick	1 Sqm	301.00
513	BMT-K.118	Laminate Sheets - Mat Finish: 1.50 mm thick	1 Sqm	418.00
514	BMT-K.119	Laminate Sheets - Mat Finish: 1.80 mm thick	1Sqm	451.00
515	BMT-K.120	Teak Veneer Lamination - 4 mm thick - Pencil Grains	1 Sqm	316.00
516	BMT-K.121	Teak Veneer Lamination - 4 mm thick - Natural Grains	1 Sqm	582.00
L		PLYWOOD		
517	BMT-L.01	3 Ply - 4 mm thick Plywood(IS:303) MR Grade	1 Sqm	278.00
518	BMT-L.02	5 Ply - 6 mm thick Plywood(IS:303) MR Grade	1 Sqm	306.00
519	BMT-L.03	5 Ply - 8 mm thick Plywood(IS:303) MR Grade	1 Sqm	360.00
520	BMT-L.04	5 Ply - 9 mm thick Plywood(IS:303) MR Grade	1 Sqm	360.00
521	BMT-L.05	9 Ply - 12 mm thick Plywood(IS:303) MR Grade	1 Sqm	453.00
522	BMT-L.06	9 Ply - 15 mm thick Plywood(IS:303) MR Grade	1 Sqm	667.00
523	BMT-L.07	9 Ply - 18 mm thick Plywood(IS:303) MR Grade	1 Sqm	653.00
524	BMT-L.08	3 Ply - 4 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	318.00
525	BMT-L.09	5 Ply - 6 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	373.00
526	BMT-L.10	5 Ply - 8 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	465.00
527	BMT-L.11	5 Ply - 9 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	439.00
528	BMT-L.12	9 Ply - 12 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	573.00
529	BMT-L.13	9 Ply - 15 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	823.00
530	BMT-L.14	9 Ply - 19 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	826.00
531	BMT-L.15	3 Ply-4 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	412.00
532	BMT-L.16	5 Ply - 6 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	536.00
533	BMT-L.17	5 Ply - 9 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	687.00
534	BMT-L.18	9 Ply - 13 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	876.00
535	BMT-L.19	5 Ply - 9 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	896.00
536	BMT-L.20	9 Ply - 12 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	1045.00
M		CEILINGS, WALL PARTITIONS & WALL LININGS		
537	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
538	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
539	BMT-M.03	Gypsum Board Plain sheet 12.5 mm thick as per IS 2095 -1993	1 Sqm	200.00
540	BMT-M.04	G.I. Ceiling Angle - 25 mm x 10 mm x 0.55 mm	1 RM	76.00
541	BMT-M.05	G.I. Ceiling Section 51.5 mm x 26 mm x 10.5 mm x 0.55 mm	1 RM	86.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		thick		
542	BMT-M.06	G.I. Intermediate Section 45 mm x 15 mm x 15 mm x 0.9 mm	1 RM	85.00
543	BMT-M.07	G.I. Perimeter Channel - 20 mm x 27 mm x 30 mm(web) of 0.55 mm thick	1 RM	75.00
544	BMT-M.08	G.I.-Precoated Fine line Grid 25 mm x 25 mm x 0.7 mm	1 RM	42.00
545	BMT-M.09	G.I.-Precoated Fine line Grid 15 mm x 25 mm x 0.7 mm	1 RM	39.00
546	BMT-M.10	GI - Precoated - T-Sec- 24 mm x 38 mm x 0.7 mm thick	1 RM	54.00
547	BMT-M.11	Hot dipped GI Angle - Precoated - Grid: 19 mm x 19 mm	1 RM	40.00
548	BMT-M.12	Polyester painted GI - T Section - 24 x 32 mm	1 RM	51.00
549	BMT-M.13	Polyester painted GI - T Section - 24 x 25 mm	1 RM	45.00
550	BMT-M.14	Polyester painted GI - T Section - 24 mm x 27 mm	1 RM	46.00
551	BMT-M.15	Aluminium Angle : 24 mm x 24 mm	1 RM	27.00
552	BMT-M.16	Anodised Aluminium T Section : 24 x 24.5 x 2.4 mm	1 RM	35.00
553	BMT-M.17	Connecting Clips	1 Each	2.50
554	BMT-M.18	Rawl Plug	1 Each	2.00
555	BMT-M.19	6 mm Nylon Rawl Plug	1 Each	3.00
556	BMT-M.20	Soffit Cleats	1 Each	2.00
557	BMT-M.21	Drywall Screws - 25 mm	1 Each	2.00
558	BMT-M.22	Jointing Compound	1 Kgs	30.00
559	BMT-M.23	Jointing Paper Tape	1 RM	7.00
560	BMT-M.24	Drywall Top Coat	1 Litre	150.00
561	BMT-M.25	Universal Holding Clips	1 Each	3.00
562	BMT-M.26	4 mm Dia GI Connecting Rod	1 RM	15.00
563	BMT-M.27	2 mm Dia GI Connecting Rod	1 RM	12.00
564	BMT-M.28	12 mm - Armstrong Mineral Fibre sheet 600 x 600	1 Sqm	385.00
565	BMT-M.29	15 mm - Armstrong Mineral Fibre sheet 600 x 600	1 Sqm	450.00
566	BMT-M.30	15 mm - Armstrong Tegular Edge 600 x 600	1 Sqm	485.00
567	BMT-M.31	12 mm - Daiken Mineral Fibre sheet 600 x 600	1 Sqm	390.00
568	BMT-M.32	15 mm - Daiken Mineral Fibre sheet 600 x 600	1 Sqm	460.00
569	BMT-M.33	15 mm - Daiken Tegular edge sheet 600 x 600	1 Sqm	500.00
570	BMT-M.34	12 mm - AMF Mineral Fibre sheet 600 x 600	1 Sqm	385.00
571	BMT-M.35	15 mm - AMF Mineral Fibre sheet 600 x 600	1 Sqm	450.00
572	BMT-M.36	15 mm - AMF Tegular edge sheet 600 x 600	1 Sqm	485.00
573	BMT-M.37	Supply of Thermocole 12 mm thick sheets	1 Sqm	23.00
574	BMT-M.38	Supply of Thermocole 19 mm thick sheets	1 Sqm	40.00
575	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	1072.00
576	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	1587.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
577	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	6796.00
578	BMT-M.42	Ramco-Hilux Calcium Silicate Boards - 6mm thick	1sqm	202.00
579	BMT-M.43	Ramco-Hilux Calcium Silicate Boards - 8mm thick	1sqm	270.00
580	BMT-M.44	Ramco-Hilux Calcium Silicate Boards - 10mm thick	1sqm	337.00
581	BMT-M.45	Ramco-Hilux Calcium Silicate Boards - 12mm thick	1sqm	404.00
582	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	1131.00
583	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	1266.00
584	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	1400.00
585	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	671.00
586	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	739.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
587	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	806.00
588	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 with out painting for finished item of work	1sqm	3759.00
589	BMT-M.53	Supply of Plaster of paris Boards 12 mm thick	1 Sqm	392.00
590	BMT-M.54	Supply of Plaster of Paris Boards 10 mm thick	1 Sqm	327.00
591	BMT-M.55	DECOCEIL DESIGNER CEILING BOARD - 3.2 mm	1 Sqm	226.00
592	BMT-M.56	Everest Cement Boards (High Pressure Steam Cured) 4 mm thick	1 Sqm.	112.00
593	BMT-M.57	Everest Cement Boards (High Pressure Steam Cured) 6 mm thick	1 Sqm.	170.00
594	BMT-M.58	Everest Cement Boards (High Pressure Steam Cured) 8 mm thick	1 Sqm.	221.00
595	BMT-M.59	Everest Cement Boards (High Pressure Steam Cured) 10 mm thick	1 Sqm.	247.00
596	BMT-M.60	Everest Cement Boards (High Pressure Steam Cured) 12 mm thick	1 Sqm.	320.00
597	BMT-M.61	Everest Cement Boards (High Pressure Steam Cured) 14 mm thick	1 Sqm.	320.00
598	BMT-M.62	Everest Cement Boards (High Pressure Steam Cured) 16 mm thick	1 Sqm.	374.00
599	BMT-M.63	Everest Cement Boards (High Pressure Steam Cured) 18 mm thick	1 Sqm.	400.00
600	BMT-M.64	Everest Cement Boards (High Pressure Steam Cured) 20 mm thick	1 Sqm.	455.00
601	BMT-M.65	Everest Designer Boards 4 mm thick	1 Sqm.	187.00
602	BMT-M.66	Everest Designer Boards 6 mm thick	1 Sqm.	280.00
603	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.	837.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
604	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.	903.00
605	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.	1287.00
606	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	1345.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
607	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.	1722.00
608	BMT-M.72	Supply and fixing Bison Panel cement bonded false ceiling 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. 8mm thick Cement Bonded Particle Board (Bison panel or equivalent) lay on the grid. The cost inclusive of necessary hardware, labour, one coat of primer (Both side) and two coats of smooth finish on visible side.	1Sqm	775.00
609	BMT-M.73	Supply and fixing Bison panel wall panelling (water proof) 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. 10 mm thick cement bonded particle board (Bison panel or Equivalent) is to be fixed to frame by means of self tapping 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, labour charges etc. complete as per the direction of Engineer in charge.	1 Sqm	1300.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
610	BMT-M.74	Supply and fixing double skin partition 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 35mmx 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. 10mm thick Cement bonded particle board (BISON PANEL OR EQUIVALENT) 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 Altek primer and two coats of Altek 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	1894.00
611	BMT-M.75	Supply and fixing double skin partition 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. 12mm thick Pre Laminated Cement bonded particle board (Bison Lam or equivalent) 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	2125.00
612	BMT-M.76	Supply and fixing of Bison LAM wall panelling 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. 12mm thick pre laminated Cement bonded particle board (Bison Lam or equivalent) 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	1710.00
613	BMT-M.77	Supply and fixing in position Bison LAM aluminium glazed partitions using 5.50 mm thick plain glass to full height using with pre laminated cement bonded particle board (Bison Lam or equivalent) of 10mm thick to a height of 0.91 metre 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 metre 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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
614	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
615	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 2009-10
616	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 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
617	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
618	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
619	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
620	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
621	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
622	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
623	BMT-M.87	Inssula Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Speckle Model	1 Sqm	443.00
624	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 2009-10
625	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.	1335.00
626	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.	1273.00
627	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.	2219.00
628	BMT-M.92	Supply and fixing of partitions made of seccolor pre-painted steel (base steel as per IS 513 of 0.6mm 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 phosphating. 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.		
629	BMT-M.93	Fixed Partition: Outer frame section size of 46x52mm, mullion section should be of 46x70mm, fixed beading should be of 18x25mm.	1 sqm	3420.00
630	BMT-M.94	Fixed Partition with Door: 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 size 23x130mm	1 sqm	3901.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
631	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.	1 Sqm.	1300.00
632	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	1 Sqm.	1650.00
633	BMT-M.97	Aerocon/ V- Panels - 50mm thick x 600mm standard width x 2400mm, 2700mm, 3000mm & 3300mm lengths	1 Sqm.	900.00
634	BMT-M.98	Aerocon/ V- Panels - 75mm thick x 600mm standard width x 2400mm, 2700mm, 3000mm & 3300mm lengths	1 Sqm.	1175.00
N		DOORS		
635	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
636	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 2009-10
637	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
638	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 Prelam 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 2009-10
639	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
640	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
641	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 2009-10
642	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
643	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
644	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
645	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
646	BMT-N.12	Flush door shutters, solid bond wood block board type with teak ply on both faces.: 25 mm thick	1 sqm	1092.00
647	BMT-N.13	Flush door shutters, solid bond wood block board type with teak ply on both faces.: 30 mm thick	1 sqm	1129.00
648	BMT-N.14	Flush door shutters, solid bond wood block board type with teak ply on both faces.: 35 mm thick	1 sqm	1216.00
649	BMT-N.15	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 25 mm thick	1 sqm	556.00
650	BMT-N.16	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 30 mm thick	1 sqm	626.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
651	BMT-N.17	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 35 mm thick	1 sqm	686.00
652	BMT-N.18	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 40 mm thick	1 sqm	817.00
653	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	1 sqm	733.00
654	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	1 sqm	817.00
655	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	1 sqm	915.00
656	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	1 sqm	980.00
657	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	1 sqm	1045.00
658	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.	1102.00
659	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
660	BMT-N.26	Bison Panel Cup Boards Shutters using Cement Bonded Particle Board as per IS 14276 (Bison Panel or Equivalent) : Supply and fixing of cup board shutters and frames using 16mm thick Cement Bonded Particle Board (Bison Panel or Equivalent) 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 , Gore 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.	1 sqm	1642.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
661	BMT-N.27	SINGLE SHUTTER WITH CEMENT BONDED PARTICLE BOARD as per IS 14276 (BISON PANEL OR EQUIVALENT): Supply and fixing cement bonded particle board shutter with around "U" section of size 12mmx18mm x12mm made from 0.6 mm thick galvanized, colour quoted cold rolled steel profiles 16 mm thick panel 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	1621.00
662	BMT-N.28	DOUBLE DOOR SHUTTER WITH CEMENT BONDED PARTICLE BOARD as per IS 14276: Supply and fixing of BISON PANEL door shutter with all round style "U" size of 20mm X 18mm X 20mm made from 0.6mm thick galvanized pre-painted cold rolled steel profiles with 16mm thick bison panel (cement bonded particle board) separating two shutters with 30mm X 18mm X 30mm Stepped lipping with necessary screws fixed at every 1'-0" (304.8mm) intervals. MS Nickel coated 250mm long aldrops 2 no's, MS powder coated 250mm long tower bolt 2 no's, & 2no's MS powder coated 125mm long grip handle. Including cost and conveyance of all materials at site and applying one 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	1708.00
663	BMT-N.29	SINGLE SHUTTER WITH BISON LAM CEMENT BONDED PRE LAMINATED PARTICLE BOARD as per IS 14276: Supply and fixing of BISON LAM cement bonded pre-laminated particle board single door shutter with all round section "U" size of 20mm X 18mm X 20mm made from 0.6mm thick galvanized pre-painted cold rolled steel profiles with 16mm thick bison lam (pre-laminated cement bonded particle board) 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 powdercoated 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	1826.00
664	BMT-N.30	DOUBLE SHUTTER WITH BISON LAM CEMENT BONDED PRE LAMINATED PARTICLE BOARD as per IS 14276: Supply and fixing of BISON LAM cement bonded pre-laminated particle board single door shutter 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 16mm thick bison lam (pre-laminated cement bonded particle board) 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 2 no's, MS powder coated 250mm long tower bolt 1 no's, 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	1 Sqm	1955.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		labour charges etc., complete finished item of work		
665	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	1 Sqm	2558.00
666	BMT-N.32	Cup Board shutters using Cement Bonded Particle Board (Bison Panel or Equivalent) & Shutter using Pre-Laminated Cement Bonded Particle Board as per IS 14276 (Bison Lam or Equivalent): Supply and fixing of cup board shutters using 20mm thick Cement Bonded Particle Board (Bison Panel or Equivalent) for making frame of size 100mm x 35mm using two sandwiched 16mm boards, one plain board and one Pre-Laminated cement bonded particle board with plain 35mm wood lipping. The Shutters are made of 16m thick Pre-Laminated Cement Bonded Particle Board (Bison Lam or Equivalent) 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) Gore locks, screws, wood lipping and Fevicol etc., complete finish item of work.	1 Sqm	3654.00
667	BMT-N.33	Door Shutter with Cement Bonded Particle Board (Bison Lam or Equivalent): Supply and fixing of door shutter made out of PVC Hollow extruded section having dimensions of 47mm x 26mm with wall thickness of 1.5mm with necessary tapering to house Bison Lam thickness of 12mm. All the four corners are jointed with PVC 'L' brackets of size 4" x 8" (101.6 x 203.2mm) and the PVC lipping is filled with well-seasoned country wood to hold hinges. The hardware consists of 250mm long Aldrop – 2 Nos.250mm Handle- 1 No. (all are of Aluminium). The cost is inclusive of all incidental, labour transportation charges.	1 Sqm	1600.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
668	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
669	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
670	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 ± 0.3 mm. The infill is seamless hallow multi chambered PVC single panel having an effective dimension of 762mm X 20mm having a wall thickness of 1mm ± 0.3 mm complete, for finished item of work.	Sqm.	2018.00
671	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 ± 0.3 mm, complete, for finished item of work.	1 RM.	189.00
672	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
673	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	1 Sqm	1300.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		and conveyance of all materials and labour charges etc., Complete. DOUBLE SKIN PARTITION		
674	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
675	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
676	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.	3400.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
677	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 confirming 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.	2600.00
678	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.	1570.00
679	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.	1795.00
680	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	1 RM	215.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		or Equivalent)		
681	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	187.00
682	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	1022.00
683	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	1022.00
684	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	1022.00
685	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	881.00
686	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	881.00
687	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	881.00
688	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	204.00
689	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	1 RM	204.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		2133.6mm) outer frame section size of 50 x 60 mm		
690	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	232.00
691	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	232.00
692	BMT-N.58	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	558.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
693	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 butt 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
694	BMT-N.60	Supply of (UPVC) Un-Plasticized Poly Vinyl Chloride Doors with single/ double shutters and door frame made of hollow extruded (UPVC) Plasticize poly Vinyl Chloride Profiles with multi chambered Constructions, the nominal thickness of outer wall is 2.5mm duly reinforced with seasoned wood plank at the door hinges and the door frame shall be welded through fusion welding using UPVC reinforced profiles of 60 mm x 110 mm x 2.5 mm for casement shutter frames and the mullion sections are of 60 mm x 70 mm x 2.5 mm structurally reinforced with galvanized, hot dip galvanized fixed with ethylene propylene di-monomer (EPDM) weathering seal resistant to tear & decay and accessories for doors are Dr. Hahn hinges to adjust sash in 3 axes, handle with mazak alloy casting 1 No. per sash, ferco locking system and key made of mild steel zinc plated along with powder coated handles and mortise lock of standard make installation with anchor fasteners, silicon rubber sealant, easy glazing/ deglazing 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 for Swing Door or Pivot Door excluding cost of Glass panes and or Particle board sheets: DOUBLE DOOR (Elgi/Sintex/NCL/Fenesta etc)	1 sqm	7470.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
695	BMT-N.61	Supply of (UPVC) Un-Plasticized Poly Vinyl Chloride Doors with single/ double shutters and door frame made of hallow extruded (UPVC) Plasticize poly Vinyl Chloride Profiles with multi chambered Constructions, the nominal thickness of outer wall is 2.5mm duly reinforced with seasoned wood plank at the door hinges and the door frame shall be welded through fusion welding using UPVC reinforced profiles of 60 mm x 110 mm x 2.5 mm for casement shutter frames and the mullion sections are of 60 mm x 70 mm x 2.5 mm structurally reinforced with galvanized, hot dip galvanized fixed with ethylene propylene di-monomer (EPDM) weathering seal resistant to tear & decay and accessories for doors are Dr. Hahn hinges to adjust sash in 3 axes, handle with mazak alloy casting 1 No. per sash, ferco locking system and key made of mild steel zinc plated along with powder coated handles and mortise lock of standard make installation with anchor fasteners, silicon rubber sealant, easy glazing/ deglazing 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 for Swing Door or Pivot Door excluding cost of Glass panes and or Particle board sheets: SINGLE DOOR -(Elgi/Sintex/NCL/Fenesta etc)	1 sqm	7180.00
696	BMT-N.62	Sintex Door shutter, with shutter frame and infill panel made from PVC material confirming 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	925.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
697	BMT-N.63	Door shutter made out of PVC material confirming 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 appropriate places, . WOODEN AND BP GREY COLOUR.	1 Sqm	1100.00
P		WINDOWS		
		Bison lam windows with Pre-Painted Steel Sections: Supply and fixing 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 grams/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 section for outer frame and centre mullion (duly filled with PU foam 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 23mm should be provided for separating glazed and panelled portion. The sections are cut to length and mitre 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		
		1. Stiffener plates of size 60mm X 50mm 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 thick pre laminated (Bison lam or equivalent) cement bonded particle board 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 3mm 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. 1) 75mm long grip handles 1 no per shutter. 2) 75mm long tower bolts 2 nos. per shutter. 3) Heavy duty SS pivot hinges 2 nos. per shutter. 4) MS powder coated telescopic stay 1 no per shutter.		
698	BMT-P.01	BISON LAM WINDOWS WITH PPS SECTIONS Single Shutter 2'0" X 4'0" outer frame section size of 50mm X 60mm shutter frame section size of 47mm X 20mm and 60mm X 23mm section provided for shutter frame mullion	1 Sqm	3800.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
699	BMT-P.02	BISON LAM WINDOWS WITH PPS SECTIONS Double shutter 3'0" X 4'0" outer frame section size of 50mm X 60mm shutter frame section size of 47mm X 20mm, Mullion section size of 50mm X 60mm for outer frame, and 60mm X 23mm section provided for shutter frame mullion	1 Sqm	3838.00
700	BMT-P.03	BISON LAM WINDOWS WITH PPS SECTIONS Double shutter 3'0" X 3'0" outer frame section size of 50mm X 60mm shutter frame section size of 47mm X 20mm, Mullion section size of 50mm X 60mm for outer frame, and 60mm X 23mm section provided for shutter frame mullion	1 Sqm	4226.00
701	BMT-P.04	BISON LAM WINDOWS WITH PPS SECTIONS Double shutter 4'0" X 4'0" outer frame section size of 50mm X 60mm shutter frame section size of 47mm X 20mm, Mullion section size of 50mm X 60mm for outer frame, and 60mm X 23mm section provided for shutter frame mullion	1 Sqm	3800.00
702	BMT-P.05	BISON LAM WINDOWS WITH PPS SECTIONS Centre fixed both side openable shutters 6'0" X 4'0" outer frame section size of 50mm X 60mm shutter frame section size of 47mm X 20mm, Mullion section size of 50mm X 60mm fixed beading section size of 18mm X 25mm, and 60mm X 23mm section provided for shutter frame mullion.	1 Sqm	3413.00
703	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 ± 0.3 mm. The shutter frame having with overall dimensions of 26 X 47mm with wall thickness of 1.2mm ± 0.3 mm provided with 5mm glazing. The centre mullion having over all dimensions of 25 X 32.5mm ± 0.3 mm, complete, for finished item of work.	1 Sqm.	3008.00
704	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 ± 0.3 mm. The sliding shutter frame is made of PVC section 57 X 32mm with overall dimensions of 1.5mm ± 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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		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 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.		
705	BMT-P.08	Windows: 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	4446.00
706	BMT-P.09	Windows: 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	4446.00
707	BMT-P.10	Windows: 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	4712.00
708	BMT-P.11	Windows: 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	4446.00
709	BMT-P.12	Windows: 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	4712.00
710	BMT-P.13	Windows: 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	4200.00
711	BMT-P.14	Windows: 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	4200.00
712	BMT-P.15	Windows: 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	4200.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
713	BMT-P.16	Windows: 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	4200.00
714	BMT-P.17	Ventilators: 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	4870.00
715	BMT-P.18	Ventilators: Top Hung 4 '-0" x 2'-0" (1219.2x609.6mm) outer frame section size of 46 x 52 m shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm	1 Sqm	4870.00
716	BMT-P.19	Ventilators: Top Hung 4 '-0" x 3'-0" (1219.2x914.4mm) outer frame section size of 46 x 52m m shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm	1 Sqm	4870.00
717	BMT-P.20	Ventilators: Fixed louvers 2'-0" x 2'-0" (609.6x609.6mm)(Box section) outer frame section size of 33 x 57 mm	1 Sqm	3334.00
718	BMT-P.21	Ventilators: 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	3334.00
719	BMT-P.22	Ventilators: 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	3334.00
		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 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 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.		
720	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	4093.00
721	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	4359.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
722	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	4359.00
723	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	3846.00
724	BMT-P.27	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	3846.00
		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 alkyd 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		
725	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	5434.00
726	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	5699.00
727	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	5699.00
728	BMT-P.31	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. Mullion section size of 72x50mm. Fixed beading section size of 12x12mm.	1 Sqm	5188.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
729	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	5188.00
730	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	4712.00
		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.		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
731	BMT-P.34	WINDOWS Single shutter 2'0x4'0(609.6x1219.2 mm) Outer frame section size of 46x52 mm shutter frame section size of 46x46mm	1 Sqm	4535.00
732	BMT-P.35	WINDOWS 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	4535.00
733	BMT-P.36	WINDOWS 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	4806.00
734	BMT-P.37	WINDOWS 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	4677.00
735	BMT-P.38	WINDOWS 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	4535.00
736	BMT-P.39	WINDOWS 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	4284.00
737	BMT-P.40	WINDOWS 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	4284.00
738	BMT-P.41	WINDOWS 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	4284.00
739	BMT-P.42	WINDOWS 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	4284.00
740	BMT-P.43	Ventilators : 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	4992.00
741	BMT-P.44	Ventilators : 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	4992.00
742	BMT-P.45	Ventilators : 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	4992.00
743	BMT-P.46	Ventilators : Fixed louvers 2'-0" x 2'-0"(609.6x 609.6mm)(Box section) outer frame section size of 33x57mm	1 Sqm	3417.00
744	BMT-P.47	Ventilators : 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	3417.00
745	BMT-P.48	Ventilators : 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	3417.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		ELIXIR E 1000 SERIES OR EQUIVALENT 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 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.		
746	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	4154.00
747	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	4424.00
748	BMT-P.51	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	4424.00
749	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	3903.00
750	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	3903.00
		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		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		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.		
751	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	5515.00
752	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	5784.00
753	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	5784.00
754	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	5265.00
755	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
756	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
757	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
758	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
759	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
760	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
761	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
		Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows duly manufactured using UPVC reinforced profiles of 60 mm x 62 mm x 2.5 mm for outer frames, 77 mm x 38 mm x 2.5 mm for sliding shutter frames capable of mounting single/ double glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick tinted/ 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/Sintex/NCL/Fenesta etc)		
762	BMT-P.65	A) UPVC - SLIDING WINDOW - Single Glazed - Tinted Sash	1 Sqm	4630.00
763	BMT-P.66	B) UPVC - SLIDING WINDOW - Single Glazed - Plain Sash	1 Sqm	4520.00
764	BMT-P.67	C) UPVC - SLIDING WINDOW - Double Glazed - Tinted Sash	1 Sqm	6340.00
765	BMT-P.68	D) UPVC - SLIDING WINDOW - Double Glazed - Plain Sash	1 Sqm	6095.00
		Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) Casement windows 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, capable of mounting single/ double glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1 mm the window sash shall be fitted with 5 mm thick tinted/ float glass of reputed make duly fixed with EPDM and accessories like 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 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		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		(Elgi/Sintex/NCL/Fenesta etc)		
766	BMT-P.69	A) UPVC - CASEMENT WINDOW - Single Glazed - Tinted Sash	1 Sqm	5485.00
767	BMT-P.70	B) UPVC - CASEMENT WINDOW - Single Glazed - Plain Sash	1 Sqm	5235.00
768	BMT-P.71	C) UPVC - CASEMENT WINDOW - Double Glazed - Tinted Sash	1 Sqm	7085.00
769	BMT-P.72	D) UPVC - CASEMENT WINDOW - Double Glazed - Plain Sash	1 Sqm	6800.00
Q		STRUCTURAL GLAZING		
770	BMT-Q.01	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	5003.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
771	BMT-Q.02	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	4025.00
772	BMT-Q.03	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	4111.00
773	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	4111.00
774	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	3498.00
775	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	3498.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) Curtain Walling systems 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 tinted/ 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/Sintex/NCL/Fenesta etc)		
776	BMT-Q.07	A) UPVC - CURTAIN WALLING-Single Glazed-Tinted Sash	1 Sqm	5360.00
777	BMT-Q.08	B) UPVC - CURTAIN WALLING-Single Glazed - Plain Sash	1 Sqm	5125.00
778	BMT-Q.09	C) UPVC - CURTAIN WALLING-Double Glazed-Tinted Sash	1 Sqm	7570.00
779	BMT-Q.10	D) UPVC - CURTAIN WALLING-Double Glazed-Plain Sash	1 Sqm	6990.00
R		A. DISMANTLING clearing away and carefully stacking materials useful for reuse.		
780	BMT-R.01	Stone masonry in cement mortar	1 Cum	239.00
781	BMT-R.02	Terracing work in roofs or floors	10 Sqm	99.00
782	BMT-R.03	Flat stones in roof or floors including lifting	10 Sqm	83.00
783	BMT-R.04	Pan tiled or Mangalore tiled roof without roof timbers.	10 Sqm	75.00
784	BMT-R.05	Flat and pan tiles or Mangalore tiles over flat tiles without roof timbers	10 Sqm	83.00
785	BMT-R.06	Wrought and framed timber in roofs or floors	1 Cum	125.00
786	BMT-R.07	Old lime mortar plaster	10 Sqm	26.00
787	BMT-R.08	Old cement mortar plaster	10 Sqm	29.00
788	BMT-R.09	Dry rough stone revetment for aprons and stacking within 40 M lead	1 Cum	40.00
789	BMT-R.10	Revetment for aprons and stacking grouted within 40 lead	1 Cum	29.00
790	BMT-R.11	Kadapa slabs or Shahabad stone slabs flooring on sand bed	10 Sqm	42.00
791	BMT-R.12	Through scraping of old plastered surface	10 Sqm	26.00
792	BMT-R.13	Washing of plastered surface with soap, soda and water (or with soda lime and water)	10 Sqm	9.00
793	BMT-R.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	27.00
794	BMT-R.15	Clean removal of cement plaster from walls and raking out joint 200 mm deep	10 Sqm	28.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
S		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		
795	BMT-S.01	RMC - M -10 (CEMENT CONTENT - 220 Kgs)	1 Cum	2695.00
796	BMT-S.02	RMC - M -15 (CEMENT CONTENT - 280 Kgs)	1 Cum	2970.00
797	BMT-S.03	RMC - M -20 (CEMENT CONTENT - 300 Kgs)	1 Cum	3025.00
798	BMT-S.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	30.00
799	BMT-S.05	Extra rate for pumping with Boom Pump up to 24.0 M vertical height from average ground level	1 cum	200.00
		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		
800	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	653.00
801	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	732.00
802	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	915.00
803	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
804	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
805	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
806	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
807	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
808	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
809	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
810	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
V		LABOUR CHARGES		
811	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	110.00
812	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	130.00
813	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	152.00
814	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	175.00
815	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	271.00
816	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	328.00
817	BMM-V.07	Labour charges for making, fabricating office furniture, racks, work-station furniture with ply-wood 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	317.00
818	BMM-V.08	Labour charges for making, fabricating kitchen furniture, cup-boards with shutters, box racks, with ply-wood 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	484.00
819	BMM-V.09	Rounding the edges of Kadapa / Shahabad stone slabs of any thickness including polishing the same	1 Rm	48.00
820	BMM-V.10	Half Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same.	1 Rm	144.00
821	BMM-V.11	Full Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same.	1 Rm	188.00
822	BMM-V.12	Machine Cutting charges - for Marble/ Granite slabs up to 50 mm thick by mechanical device.	1 RM	8.00
823	BMM-V.13	Flat nosing to Kadapa/ Shahabad stone slabs of any thick	1 Rm	8.00
824	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	12.00
825	BMM-V.15	Labour charges for fixing Iron Doors, Iron Windows and Window Grills in position	1 Kg	3.00
826	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	10.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
827	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	9.00
828	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	60.00
829	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	800.00
830	BMM-V.20	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Etching works	1 Sqm	436.00
831	BMM-V.21	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Reverse Etching work	1 Sqm	538.00
832	BMM-V.22	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Acid wash works	1 Sqm	673.00
W		MISCELLANEOUS ITEMS		
833	BMS-W.01	Supplying Aluminium anodised Sections for Doors, partitions, windows, Ventilators (including anodization cost)	1 Kg	250.00
834	BMS-W.02	Sun Control film to the glazed windows partition including labour charges.	1 sqm	285.00
835	BMS-W.03	Aluminium Venetian Blinds horizontal 25.4 mm wide with all accessories.	1 sqm	727.00
836	BMS-W.04	Aluminium Venetian Blinds horizontal 20.0 mm wide with all accessories.	1 sqm	693.00
837	BMS-W.05	<u>Venetian blinds</u> Vertical blinds 100 mm wide with all accessories.	1 sqm	1176.00
838	BMS-W.06	Rubber Beading	1 RM	2.00
839	BMS-W.07	S&F of marbled flooring with 2.0 mm thick in rolls.	1 sqm	369.00
840	BMS-W.08	S&F Vinyl Flooring with 1.5 mm thick in rolls	1 sqm	369.00
841	BMS-W.09	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	1 Litre	200.00
842	BMS-W.10	Soft Brush	Each	130.00
843	BMS-W.11	Wire Brush	Each	29.00
844	BMS-W.12	Supplying and fixing aluminium composite cladding of approved make (Alucopanel, alucobonel, Reynobond, Lennox Durabuid, Alstron legame, Alpolic, Alcomat, Alshine etc.,) 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, ACP Cladding - 3 mm thk	1 Sqm	2024.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
845	BMS-W.13	Supplying and fixing aluminium composite cladding of approved make (Alucopanel, alucobonel, Reynobond, Lennox Durabuid, Alstrong legame, Alpolic, Alcomat, Alshine etc.,) 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, ACP Cladding - 4 mm thk	1 Sqm	2207.00
846	BMS-W.14	Supplying and fixing aluminium composite cladding of approved make (Alucopanel, alucobonel, Reynobond, Lennox Durabuid, Alstrong legame, Alpolic, Alcomat, Alshine etc.,) 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, ACP Cladding - 4 mm thk	1 Sqm	2476.00
847	BMS-W.15	CEMENT JALI - 25 mm thick	1 sqm	189.00
848	BMS-W.16	CEMENT JALI - 40 mm thick	1 sqm	245.00
849	BMS-W.17	CEMENT JALI - 50 mm thick	1 sqm	335.00
850	BMS-W.18	Aluminium sheet 24 Gauge	1 Sqm	262.00
851	BMS-W.19	7.5mm thick Aluminium Grill (as approved by the department) 3.58 Kg/Sqm.	1 Sqm	965.00
852	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
853	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
		SINTEX OR EQUIVALENT SMC SIGN BOARDS: Supply of hot pressed compression moulded SMC sign plates for making road signs ass per the approved dimensions of National Highway Authority Of India, complete, for finished item of work.		
854	BMS-W.22	Circular sign plate Dia 400mm.	Each.	506.00
855	BMS-W.23	Circular sign plate Dia 600mm.	Each.	1330.00
856	BMS-W.24	Circular sing plate Dia 870mm	Each.	2665.00
857	BMS-W.25	Triangular sign plate 600mm.	Each.	683.00
858	BMS-W.26	Triangular sign plate 900mm.	Each.	1542.00
859	BMS-W.27	Square sign plate 600mm.	Each.	1236.00
860	BMS-W.28	Square sign plate 1000mm.	Each.	4591.00
861	BMS-W.29	Supply of Sintex or equivalent Polyethylene water storage tank double layer confirming to ISI 12701/96 mark with lid.	Litre.	7.00
		ELIXIR PEB OR EQUIVALENT PRE ENGINEERED BUILDINGS FOR A MAXIMUM SPAN OF 9 MTRS		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		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.		
862	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. - Columns	1 RM	288.00
863	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. Trusses	1 RM	1250.00
864	BMS-W.32	10 mm thick 200x200 mm M.s. plates for base plates, 250 mm long 12mm Φ anchor bolts with plate washer and nuts complete with one coat of Asian or equivalent red oxide paint.	Each	500.00
865	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	1092.00
866	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	113.00
867	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	160.00
868	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	187.00
869	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	3360.00
870	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	3240.00
871	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	3600.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
872	BMS-W.40	Painting:-1) Steel structure is to be painted with 2 coats of Grade I enamel paint.	1 Sqm	90.00
873	BMS-W.41	2) Exterior walls are painted with one coat of primer and 2 coats of ACE" or equivalent paint.	1 Sqm	80.00
874	BMS-W.42	3) Interiors are painted with 1+2 coat of O.B.D.	1 Sqm	70.00
875	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	800.00
876	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	2700.00
877	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	530.00
		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 butt hinges (3 Nos for single leaf or 2 Nos for Double leaf /leaf)		
878	BMS-W.46	c) 12 mm Dia MS tie rod at bottom with necessary size of nuts on either side.	1 RM	327.00
879	BMS-W.47	Preparing gabions with jungle wood	Each	3.00
880	BMS-W.48	Planting plants	Each	2.00
881	BMS-W.49	Pruning plants	Each	2.00
882	BMS-W.50	Maintaining avenues including fencing, weeding, mulching, watering etc per plant.	Each	6.00
883	BMS-W.51	- do - When scattered in hot weather with extra conveyance from March to June	Each	7.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
884	BMS-W.52	Hoisting or lowering of slab	1 cum	92.00
885	BMS-W.53	Dressing faces of granite stone (double line dressing)	1 Sqm	152.00
886	BMS-W.54	Dressing faces of other than granite stone(double line dressing)	1 Sqm	95.00
887	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	400.00
888	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	390.00
889	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
890	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
891	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
892	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
893	BMS-W.61	75 mm long screws -	1 Each	4.00
894	BMS-W.62	G.I scam bolts & nuts	1 Each	5.00
895	BMS-W.63	G.I bolts & nuts	1 Each	5.00
896	BMS-W.64	G.I 'J' bolts 8 mm dia	1 Each	8.00
897	BMS-W.65	G.I Washers	1 Each	0.50
898	BMS-W.66	Limpet washers (for scam & 'J' bolts)	1 Each	0.25
899	BMS-W.67	Bitumen washers	1 Each	0.20
X		MACHINERY CHARGES, HIRE CHARGES FOR CENTRING		
900	BMC-X.01	Machine charges of rubbing/ polishing floor	1 day	1800.00
901	BMC-X.02	Power Saw Cutter - Hand Operated - Hire charges	1 Hr	105.00
902	BMC-X.03	Power Drill - Hand Operated - Hire Charges	1 Hr	97.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
903	BMC-X.04	Grinding Mortar (Spl Grinding)	1 day	900.00
904	BMC-X.05	Casuarina Balli Props - 3" to 4" dia - 12'-0" Height	Each	60.00
905	BMC-X.06	Casuarina Balli Props - 4" to 8" dia - 20'-0" Height	Each	100.00
906	BMC-X.07	Wall Plate Brackets / beam bottom supports	Each	170.00
907	BMC-X.08	Wedge Plate fixture	Each	7.50
908	BMC-X.09	Runner beams of approximately 4" x 4" size	RM	330.00
909	BMC-X.10	Steel Plates for form works	1 sqm	1000.00
910	BMC-X.11	Scaffolding Pipes & Centering accessories	1 Kg	75.00
911	BMC-X.12	Scaffold Boards - Bamboo scaffolds - Bamboos - 8'0" long	Each	100.00

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	Supply Rates for all the materials are based on market rates plus Sales Tax/ Material VAT.
3	Works Contract VAT for General/ Composition Scheme on finished items may be allowed as applicable.
4	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 however responsible for proper rates as envisaged in para.45 of APPWD code.

CODE LEGEND	"BMT"-X.XX	"BMT" for	BUILDING MATERIALS
	"BMM"-X.XX	"BMM" for	LABOUR CHARGES
	"BMS"-X.XX	"BMS" for	MISCELLANEOUS
	"BMC"-X.XX	"BMC" for	MACHINERY, HIRE CHARGES
	XXX-"A".XX	"A" for	NAME OF THE SECTION
	XXX-X."01"	"01" for	SERIAL OF THE ITEM

SI	NAME OF THE STRUCTURAL MEMBER	Unit of Measurement	Material Hire charges	Labour charges	Centring Charges for 2009-10
1	2	6	3	4	5
HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height up to 3.66 M -Steel scaffolding pipes, jack Props, wallers, Foot plates, brackets, steel Centering Plates, etc.,					
A	FOOTINGS	per 1 cum	Rs. 49.00	Rs. 268.00	Rs. 317.00
B	PEDESTALS	per 1 cum	Rs. 58.00	Rs. 268.00	Rs. 326.00
C	PLINTH BEAMS	per 1 cum	Rs. 827.00	Rs. 268.00	Rs. 1095.00
D	LINTELS	per 1 cum	Rs. 703.00	Rs. 268.00	Rs. 971.00
E	CHAJJAS - SUNSHADES	per 1 sqm	Rs. 139.00	Rs. 268.00	Rs. 407.00
F	COLUMNS	per 1 cum	Rs. 106.00	Rs. 268.00	Rs. 374.00
G	BEAMS	per 1 cum	Rs. 1064.00	Rs. 268.00	Rs. 1332.00
H	SLABS - Up to 150 mm thick	per 1 sqm	Rs. 119.00	Rs. 268.00	Rs. 387.00
I	SLABS - above 150 mm - Up to 300 mm thick	per 1 sqm	Rs. 124.00	Rs. 268.00	Rs. 392.00
J	SLABS - above 300 mm thick	per 1 sqm	Rs. 130.00	Rs. 268.00	Rs. 398.00
K	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	per 1 sqm	Rs. 438.00	Rs. 268.00	Rs. 706.00
L	PERGOLA SLABS (Only Rib Beams)	per 1 sqm	Rs. 307.00	Rs. 268.00	Rs. 575.00
M	ARCH BEAMS - up to 1.5 M Span	per 1 cum	Rs. 1209.00	Rs. 268.00	Rs. 1477.00
N	ARCH BEAMS - above 1.5 M Span	per 1 cum	Rs. 1226.00	Rs. 268.00	Rs. 1494.00
O	DOME SLABS	per 1 cum	Rs. 2281.00	Rs. 268.00	Rs. 2549.00
P	HELICAL STAIRCASES	per 1 sqm	Rs. 174.00	Rs. 268.00	Rs. 442.00
HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height up to 7.32 M - Steel scaffolding pipes, jack Props, wallers, Foot plates, brackets, steel Centering Plates, etc.,					
A	FOOTINGS	per 1 cum	Rs. 49.00	Rs. 268.00	Rs. 317.00
B	PEDESTALS	per 1 cum	Rs. 58.00	Rs. 268.00	Rs. 326.00
C	PLINTH BEAMS	per 1 cum	Rs. 827.00	Rs. 268.00	Rs. 1095.00
D	LINTELS	per 1 cum	Rs. 1266.00	Rs. 424.00	Rs. 1690.00
E	CHAJJAS - SUNSHADES	per 1 sqm	Rs. 250.00	Rs. 424.00	Rs. 674.00
F	COLUMNS	per 1 cum	Rs. 190.00	Rs. 424.00	Rs. 614.00
G	BEAMS	per 1 cum	Rs. 1916.00	Rs. 424.00	Rs. 2340.00
H	SLABS - Up to 150 mm thick	per 1 sqm	Rs. 215.00	Rs. 424.00	Rs. 639.00
I	SLABS - above 150 mm - Up to 300 mm thick	per 1 sqm	Rs. 223.00	Rs. 424.00	Rs. 647.00
J	SLABS - above 300 mm thick	per 1 sqm	Rs. 234.00	Rs. 424.00	Rs. 658.00
K	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	per 1 sqm	Rs. 789.00	Rs. 424.00	Rs. 1213.00
L	PERGOLA SLABS (Only Rib Beams)	per 1 sqm	Rs. 553.00	Rs. 424.00	Rs. 977.00
M	ARCH BEAMS - up to 1.5 M Span	per 1 cum	Rs. 2179.00	Rs. 424.00	Rs. 2603.00
N	ARCH BEAMS - above 1.5 M Span	per 1 cum	Rs. 2210.00	Rs. 424.00	Rs. 2634.00
O	DOME SLABS	per 1 cum	Rs. 4111.00	Rs. 424.00	Rs. 4535.00
P	HELICAL STAIRCASES	per 1 sqm	Rs. 313.00	Rs. 424.00	Rs. 737.00

SI	NAME OF THE STRUCTURAL MEMBER	Unit of Measurement	Material Hire charges	Labour charges	Centring Charges for 2009-10
1	2	6	3	4	5
HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height up to 3.66 M Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc.,					
A	FOOTINGS	per 1 cum	Rs. 19.00	Rs. 361.00	Rs. 380.00
B	PEDESTALS	per 1 cum	Rs. 23.00	Rs. 361.00	Rs. 384.00
C	PLINTH BEAMS	per 1 cum	Rs. 328.00	Rs. 361.00	Rs. 689.00
D	LINTELS	per 1 cum	Rs. 279.00	Rs. 361.00	Rs. 640.00
E	CHAJJAS - SUNSHADES	per 1 sqm	Rs. 55.00	Rs. 361.00	Rs. 416.00
F	COLUMNS	per 1 cum	Rs. 42.00	Rs. 361.00	Rs. 403.00
G	BEAMS	per 1 cum	Rs. 422.00	Rs. 361.00	Rs. 783.00
H	SLABS - Up to 150 mm thick	per 1 sqm	Rs. 47.00	Rs. 361.00	Rs. 408.00
I	SLABS - above 150 mm - Up to 300 mm thick	per 1 sqm	Rs. 49.00	Rs. 361.00	Rs. 410.00
J	SLABS - above 300 mm thick	per 1 sqm	Rs. 51.00	Rs. 361.00	Rs. 412.00
K	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	per 1 sqm	Rs. 174.00	Rs. 361.00	Rs. 535.00
L	PERGOLA SLABS (Only Rib Beams)	per 1 sqm	Rs. 122.00	Rs. 361.00	Rs. 483.00
M	ARCH BEAMS - up to 1.5 M Span	per 1 cum	Rs. 480.00	Rs. 361.00	Rs. 841.00
N	ARCH BEAMS - above 1.5 M Span	per 1 cum	Rs. 486.00	Rs. 361.00	Rs. 847.00
O	DOME SLABS	per 1 cum	Rs. 905.00	Rs. 361.00	Rs. 1266.00
P	HELICAL STAIRCASES	per 1 sqm	Rs. 69.00	Rs. 361.00	Rs. 430.00
HIRE CHARGES FOR ACCESS SCAFFOLDING - up to 3.66 M using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for BRICK MASONRY/ STONE MASONRY - 1 sqm					
A	1st - Floor	per 1 sqm	Rs. 5.29	Rs. 28.40	Rs. 33.69
B	2nd - Floor	per 1 sqm	Rs. 5.29	Rs. 42.60	Rs. 47.89
C	3rd - Floor	per 1 sqm	Rs. 5.29	Rs. 56.80	Rs. 62.09
D	4th - Floor	per 1 sqm	Rs. 5.29	Rs. 71.00	Rs. 76.29
E	5th - Floor	per 1 sqm	Rs. 5.29	Rs. 85.20	Rs. 90.49
F	6th - Floor	per 1 sqm	Rs. 5.29	Rs. 99.41	Rs. 104.69
G	7th - Floor	per 1 sqm	Rs. 5.29	Rs. 113.61	Rs. 118.89
H	8th - Floor	per 1 sqm	Rs. 5.29	Rs. 127.81	Rs. 133.09
I	9th - Floor	per 1 sqm	Rs. 5.29	Rs. 142.01	Rs. 147.29
J	10th - Floor	per 1 sqm	Rs. 5.29	Rs. 156.21	Rs. 161.50
K	11th - Floor	per 1 sqm	Rs. 5.29	Rs. 170.41	Rs. 175.70
L	12th - Floor	per 1 sqm	Rs. 5.29	Rs. 184.61	Rs. 189.90
M	13th - Floor	per 1 sqm	Rs. 5.29	Rs. 198.81	Rs. 204.10
N	14th - Floor	per 1 sqm	Rs. 5.29	Rs. 213.01	Rs. 218.30
O	15th - Floor	per 1 sqm	Rs. 5.29	Rs. 227.21	Rs. 232.50

SI	NAME OF THE STRUCTURAL MEMBER	Unit of Measurement	Material Hire charges	Labour charges	Centring Charges for 2009-10
1	2	6	3	4	5
HIRE CHARGES FOR ACCESS SCAFFOLDING - up to 3.66 M using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for PLASTERING to WALLS - 1 sqm					
A	1st - Floor	per 1 sqm	Rs. 0.53	Rs. 2.84	Rs. 3.37
B	2nd - Floor	per 1 sqm	Rs. 0.53	Rs. 4.26	Rs. 4.79
C	3rd - Floor	per 1 sqm	Rs. 0.53	Rs. 5.68	Rs. 6.21
D	4th - Floor	per 1 sqm	Rs. 0.53	Rs. 7.10	Rs. 7.63
E	5th - Floor	per 1 sqm	Rs. 0.53	Rs. 8.52	Rs. 9.05
F	6th - Floor	per 1 sqm	Rs. 0.53	Rs. 9.94	Rs. 10.47
G	7th - Floor	per 1 sqm	Rs. 0.53	Rs. 11.36	Rs. 11.89
H	8th - Floor	per 1 sqm	Rs. 0.53	Rs. 12.78	Rs. 13.31
I	9th - Floor	per 1 sqm	Rs. 0.53	Rs. 14.20	Rs. 14.73
J	10th - Floor	per 1 sqm	Rs. 0.53	Rs. 15.62	Rs. 16.15
K	11th - Floor	per 1 sqm	Rs. 0.53	Rs. 17.04	Rs. 17.57
L	12th - Floor	per 1 sqm	Rs. 0.53	Rs. 18.46	Rs. 18.99
M	13th - Floor	per 1 sqm	Rs. 0.53	Rs. 19.88	Rs. 20.41
N	14th - Floor	per 1 sqm	Rs. 0.53	Rs. 21.30	Rs. 21.83
O	15th - Floor	per 1 sqm	Rs. 0.53	Rs. 22.72	Rs. 23.25
HIRE CHARGES FOR STAGE SCAFFOLDING - up to 3.66 M using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for CEILING PLASTERING - 1 sqm					
A	1st - Floor	per 1 sqm	Rs. 1.24	Rs. 5.60	Rs. 6.85
B	2nd - Floor	per 1 sqm	Rs. 1.24	Rs. 8.41	Rs. 9.65
C	3rd - Floor	per 1 sqm	Rs. 1.24	Rs. 11.21	Rs. 12.45
D	4th - Floor	per 1 sqm	Rs. 1.24	Rs. 14.01	Rs. 15.25
E	5th - Floor	per 1 sqm	Rs. 1.24	Rs. 16.81	Rs. 18.05
F	6th - Floor	per 1 sqm	Rs. 1.24	Rs. 19.62	Rs. 20.86
G	7th - Floor	per 1 sqm	Rs. 1.24	Rs. 22.42	Rs. 23.66
H	8th - Floor	per 1 sqm	Rs. 1.24	Rs. 25.22	Rs. 26.46
I	9th - Floor	per 1 sqm	Rs. 1.24	Rs. 28.02	Rs. 29.26
J	10th - Floor	per 1 sqm	Rs. 1.24	Rs. 30.82	Rs. 32.06
K	11th - Floor	per 1 sqm	Rs. 1.24	Rs. 33.63	Rs. 34.87
L	12th - Floor	per 1 sqm	Rs. 1.24	Rs. 36.43	Rs. 37.67
M	13th - Floor	per 1 sqm	Rs. 1.24	Rs. 39.23	Rs. 40.47
N	14th - Floor	per 1 sqm	Rs. 1.24	Rs. 42.03	Rs. 43.27
O	15th - Floor	per 1 sqm	Rs. 1.24	Rs. 44.84	Rs. 46.08

CENTERING & SCAFFOLDING CHARGES- FLOOR WISE RATES for Steel scaffolding pipes, jack Props, Steel Centering Plates,etc., for unsupported height 3.66 M														
		Lintels	Chajjas - 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 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 Staircases
Unit		per 1 cum	per 1 sqm	per 1 cum	per 1 cum	per 1 sqm	per 1 sqm	per 1 sqm	per 1 sqm	per 1 sqm	per 1 cum	per 1 cum	per 1 cum	per 1 sqm
1st - Floor														
Material Hire for any Floor	H	703.00	139.00	106.00	1064.00	119.00	124.00	130.00	438.00	307.00	1209.00	1226.00	2281.00	174.00
Labour Charges for 1st Floor	L	268.00	268.00	268.00	268.00	268.00	268.00	268.00	268.00	268.00	268.00	268.00	268.00	268.00
Total Hire Charges (H+L)	T	971.00	407.00	374.00	1332.00	387.00	392.00	398.00	706.00	575.00	1477.00	1494.00	2549.00	442.00
LABOUR CHARGES for Further Floors														
2nd - Floor	L	295.00	295.00	295.00	295.00	295.00	295.00	295.00	295.00	295.00	295.00	295.00	295.00	295.00
3rd - Floor	L	322.00	322.00	322.00	322.00	322.00	322.00	322.00	322.00	322.00	322.00	322.00	322.00	322.00
4th - Floor	L	348.00	348.00	348.00	348.00	348.00	348.00	348.00	348.00	348.00	348.00	348.00	348.00	348.00
5th - Floor	L	375.00	375.00	375.00	375.00	375.00	375.00	375.00	375.00	375.00	375.00	375.00	375.00	375.00
6th - Floor	L	402.00	402.00	402.00	402.00	402.00	402.00	402.00	402.00	402.00	402.00	402.00	402.00	402.00
7th - Floor	L	429.00	429.00	429.00	429.00	429.00	429.00	429.00	429.00	429.00	429.00	429.00	429.00	429.00
8th - Floor	L	456.00	456.00	456.00	456.00	456.00	456.00	456.00	456.00	456.00	456.00	456.00	456.00	456.00
9th - Floor	L	482.00	482.00	482.00	482.00	482.00	482.00	482.00	482.00	482.00	482.00	482.00	482.00	482.00
10th - Floor	L	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00
11th - Floor	L	536.00	536.00	536.00	536.00	536.00	536.00	536.00	536.00	536.00	536.00	536.00	536.00	536.00
12th - Floor	L	563.00	563.00	563.00	563.00	563.00	563.00	563.00	563.00	563.00	563.00	563.00	563.00	563.00
13th - Floor	L	590.00	590.00	590.00	590.00	590.00	590.00	590.00	590.00	590.00	590.00	590.00	590.00	590.00
14th - Floor	L	617.00	617.00	617.00	617.00	617.00	617.00	617.00	617.00	617.00	617.00	617.00	617.00	617.00
15th - Floor	L	644.00	644.00	644.00	644.00	644.00	644.00	644.00	644.00	644.00	644.00	644.00	644.00	644.00
Note: 1. For calculating scaffolding charges from 2nd Floor onwards Hire charges of materials shall be added to the respective labour charges as given above.														
2. Area allowances on labour charges may be allowed as per the applicability														

CENTERING & SCAFFOLDING CHARGES- FLOOR WISE RATES for Steel scaffolding pipes, jack Props, Steel Centering Plates,etc., for unsupported height 7.32 M														
		LINTELS	CHAJJAS - SUN SHADES	COLUMN S	BEAMS	SLABS - Up to 150 mm thick	SLABS - above 150 mm - Up to 300 mm thick	SLABS - above 300 mm thick	WAFFLE SLABS (Rib Beams with Slabs)	PERGOL A SLABS (Only Rib Beams)	ARCH BEAMS - up to 1.5 M Span	ARCH BEAMS - above 1.5 M Span	DOME SLABS	HELICAL STAIRCAS ES
Unit		per 1 cum	per 1 sqm	per 1 cum	per 1 cum	per 1 sqm	per 1 sqm	per 1 sqm	per 1 sqm	per 1 sqm	per 1 cum	per 1 cum	per 1 cum	per 1 sqm
1st - Floor														
Material Hire for any Floor	H	1266.00	250.00	190.00	1916.00	215.00	223.00	234.00	789.00	553.00	2179.00	2210.00	4111.00	313.00
Labour Charges for 1st Floor	L	424.00	424.00	424.00	424.00	424.00	424.00	424.00	424.00	424.00	424.00	424.00	424.00	424.00
Total Hire Charges (H+L)	T	1690.00	674.00	614.00	2340.00	639.00	647.00	658.00	1213.00	977.00	2603.00	2634.00	4535.00	737.00
LABOUR CHARGES for Further Floors														
2nd - Floor	L	466.00	466.00	466.00	466.00	466.00	466.00	466.00	466.00	466.00	466.00	466.00	466.00	466.00
3rd - Floor	L	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00	509.00
4th - Floor	L	551.00	551.00	551.00	551.00	551.00	551.00	551.00	551.00	551.00	551.00	551.00	551.00	551.00
5th - Floor	L	594.00	594.00	594.00	594.00	594.00	594.00	594.00	594.00	594.00	594.00	594.00	594.00	594.00
6th - Floor	L	636.00	636.00	636.00	636.00	636.00	636.00	636.00	636.00	636.00	636.00	636.00	636.00	636.00
7th - Floor	L	678.00	678.00	678.00	678.00	678.00	678.00	678.00	678.00	678.00	678.00	678.00	678.00	678.00
8th - Floor	L	721.00	721.00	721.00	721.00	721.00	721.00	721.00	721.00	721.00	721.00	721.00	721.00	721.00
9th - Floor	L	763.00	763.00	763.00	763.00	763.00	763.00	763.00	763.00	763.00	763.00	763.00	763.00	763.00
10th - Floor	L	806.00	806.00	806.00	806.00	806.00	806.00	806.00	806.00	806.00	806.00	806.00	806.00	806.00
11th - Floor	L	848.00	848.00	848.00	848.00	848.00	848.00	848.00	848.00	848.00	848.00	848.00	848.00	848.00
12th - Floor	L	891.00	891.00	891.00	891.00	891.00	891.00	891.00	891.00	891.00	891.00	891.00	891.00	891.00
13th - Floor	L	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00
14th - Floor	L	976.00	976.00	976.00	976.00	976.00	976.00	976.00	976.00	976.00	976.00	976.00	976.00	976.00
15th - Floor	L	1019.00	1019.00	1019.00	1019.00	1019.00	1019.00	1019.00	1019.00	1019.00	1019.00	1019.00	1019.00	1019.00
Note: 1. For calculating scaffolding charges from 2nd Floor onwards Hire charges of materials shall be added to the respective labour charges as given above.														
2. Area allowances on labour charges may be allowed as per the applicability														

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														
		LINTELS	CHAJJAS - SUN SHADES	COLUMN S	BEAMS	SLABS - Up to 150 mm thick	SLABS - above 150 mm - Up to 300 mm thick	SLABS - above 300 mm thick	WAFFLE SLABS (Rib Beams with Slabs)	PERGOL A SLABS (Only Rib Beams)	ARCH BEAMS - up to 1.5 M Span	ARCH BEAMS - above 1.5 M Span	DOME SLABS	HELICAL STAIRCAS ES
Unit		per 1 cum	per 1 sqm	per 1 cum	per 1 cum	per 1 sqm	per 1 sqm	per 1 sqm	per 1 sqm	per 1 sqm	per 1 cum	per 1 cum	per 1 cum	per 1 sqm
1st - Floor														
Material Hire for any Floor	H	279.00	55.00	42.00	422.00	47.00	49.00	51.00	174.00	122.00	480.00	486.00	905.00	69.00
Labour Charges for 1st Floor	L	361.00	361.00	361.00	361.00	361.00	361.00	361.00	361.00	361.00	361.00	361.00	361.00	361.00
Total Hire Charges (H+L)	T	640.00	416.00	403.00	783.00	408.00	410.00	412.00	535.00	483.00	841.00	847.00	1266.00	430.00
LABOUR CHARGES for Further Floors														
2nd - Floor	L	397.00	397.00	397.00	397.00	397.00	397.00	397.00	397.00	397.00	397.00	397.00	397.00	397.00
3rd - Floor	L	433.00	433.00	433.00	433.00	433.00	433.00	433.00	433.00	433.00	433.00	433.00	433.00	433.00
4th - Floor	L	469.00	469.00	469.00	469.00	469.00	469.00	469.00	469.00	469.00	469.00	469.00	469.00	469.00
5th - Floor	L	505.00	505.00	505.00	505.00	505.00	505.00	505.00	505.00	505.00	505.00	505.00	505.00	505.00
6th - Floor	L	542.00	542.00	542.00	542.00	542.00	542.00	542.00	542.00	542.00	542.00	542.00	542.00	542.00
7th - Floor	L	578.00	578.00	578.00	578.00	578.00	578.00	578.00	578.00	578.00	578.00	578.00	578.00	578.00
8th - Floor	L	614.00	614.00	614.00	614.00	614.00	614.00	614.00	614.00	614.00	614.00	614.00	614.00	614.00
9th - Floor	L	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00
10th - Floor	L	686.00	686.00	686.00	686.00	686.00	686.00	686.00	686.00	686.00	686.00	686.00	686.00	686.00
11th - Floor	L	722.00	722.00	722.00	722.00	722.00	722.00	722.00	722.00	722.00	722.00	722.00	722.00	722.00
12th - Floor	L	758.00	758.00	758.00	758.00	758.00	758.00	758.00	758.00	758.00	758.00	758.00	758.00	758.00
13th - Floor	L	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00
14th - Floor	L	830.00	830.00	830.00	830.00	830.00	830.00	830.00	830.00	830.00	830.00	830.00	830.00	830.00
15th - Floor	L	866.00	866.00	866.00	866.00	866.00	866.00	866.00	866.00	866.00	866.00	866.00	866.00	866.00
Note: 1. For calculating scaffolding charges from 2nd Floor onwards Hire charges of materials shall be added to the respective labour charges as given above.														
2. Area allowances on labour charges may be allowed as per the applicability														

WATER SUPPLY & SANITARY ITEMS

BUILDING SSR:2009-10						
INDEX for WATER SUPPLY & SANITARY ITEMS						
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				from	to	
1	SECTION - A	BMW - A	01 to 77	S.W.G. PIPES & FITTINGS	81	86
2	SECTION - B	BMW - B	01 to 08	MAN HOLES & INSPECTION CHAMBERS	86	88
3	SECTION - C	BMW - C	01 to 49	C.I. PIPES & FITTINGS - AS PER - IS 1729:1979	88	90
4	SECTION - D	BMW - D	01 to 41	VITREOUS CHINAWARE - SANITARY APPLIANCES	91	94
5	SECTION - E	BMW - E	01 to 38	TAPS & FAUCETS	94	95
6	SECTION - F	BMW - F	01 to 123	G.I. PIPES & FITTINGS	95	99
7	SECTION - G	BMW - G	01 to 152	PVC PIPES & FITTINGS	99	105
8	SECTION - H	BMW - H	01 to 108	CENTRIFUGAL CAST IRON PIPES & FITTINGS IS: 3989	105	108
9	SECTION - I	BMW - I	01 to 231	MISCELLANEOUS ITEMS	108	118

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
1	2	3	4	5
A		S.W.G. PIPES & FITTINGS		
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	248.00
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	177.00
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	346.00
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	279.00
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	89.00
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	120.00
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	70.00
8	BMW-A.08	b) - do - labour charges only	1 RM	7.00
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	121.00
10	BMW-A.10	b) - do - labour charges only	1 RM	35.00
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	67.00
12	BMW-A.12	b) - do - labour charges only	1 RM	24.00
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	126.00
14	BMW-A.14	b) - do - labour charges only	1 RM	34.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
15	BMW-A.15	Supply of SWG SP-1 pipe conforming to ISI 651 - 4" dia (101.6mm)	1 RM	122.00
16	BMW-A.16	Supply of SWG SP-1 pipe conforming to ISI 651 - 6" dia (152.4mm)	1 RM	210.00
17	BMW-A.17	Supply of SWG SP-1 pipe conforming to ISI 651 - 8" dia (203.2mm)	1 RM	325.00
18	BMW-A.18	Supply of SWG SP-1 pipe conforming to ISI 651 - 10" dia (254 mm)	1 RM	596.00
19	BMW-A.19	Supply of SWG SP-1 pipe conforming to ISI 651 - 12" dia (300 mm)	1 RM	858.00
20	BMW-A.20	Supply of SWG SP-1 pipe conforming to ISI 651 - 14" dia (350 mm)	1 RM	1168.00
21	BMW-A.21	Supply of SWG SP-1 pipe conforming to ISI 651 - 16" dia (400 mm)	1 RM	1409.00
22	BMW-A.22	Supply of SWG SP-1 pipe conforming to ISI 651 - 18" dia (450 mm)	1 RM	1702.00
23	BMW-A.23	Supply of SWG SP-2 pipe conforming to ISI 651 - 4" dia (101.6mm)	1 RM	149.00
24	BMW-A.24	Supply of SWG SP-2 pipe conforming to ISI 651 - 6" dia (152.4mm)	1 RM	223.00
25	BMW-A.25	Supply of SWG SP-2 pipe conforming to ISI 651 - 8" dia (203.2mm)	1 RM	402.00
26	BMW-A.26	Supply of SWG SP-2 pipe conforming to ISI 651 - 10" dia (254 mm)	1 RM	632.00
27	BMW-A.27	Supply of SWG SP-2 pipe conforming to ISI 651 - 12" dia (300 mm)	1 RM	970.00
28	BMW-A.28	Supply of SWG SP-2 pipe conforming to ISI 651 - 14" dia (350 mm)	1 RM	1258.00
29	BMW-A.29	Supply of SWG SP-2 pipe conforming to ISI 651 - 16" dia (400 mm)	1 RM	1449.00
30	BMW-A.30	Supply of SWG SP-2 pipe conforming to ISI 651 - 18" dia (450 mm)	1 RM	1849.00
31	BMW-A.31	Supply of SWG SP-3 pipe conforming to ISI 651 - 4" dia (101.6mm)	1 RM	191.00
32	BMW-A.32	Supply of SWG SP-3 pipe conforming to ISI 651 - 6" dia (152.4mm)	1 RM	278.00
33	BMW-A.33	Supply of SWG SP-3 pipe conforming to ISI 651 - 8" dia (203.2mm)	1 RM	493.00
34	BMW-A.34	Supply of SWG SP-3 pipe conforming to ISI 651 - 10" dia (254 mm)	1 RM	748.00
35	BMW-A.35	Supply of SWG SP-3 pipe conforming to ISI 651 - 12" dia (300 mm)	1 RM	1045.00
36	BMW-A.36	Supply of SWG SP-3 pipe conforming to ISI 651 - 14" dia (350 mm)	1 RM	1325.00
37	BMW-A.37	Supply of SWG SP-2 pipe conforming to ISI 651 - 16" dia (400 mm)	1 RM	1529.00
38	BMW-A.38	Supply of SWG SP-3 pipe conforming to ISI 651 - 18" dia (450 mm)	1 RM	2079.00
39	BMW-A.39	Supply of SWG Bends conforming to IS standards -100 mm dia	Each	61.00
40	BMW-A.40	Supply of SWG Bends conforming to IS standards -150 mm dia	Each	113.00
41	BMW-A.41	Supply of SWG Bends conforming to IS standards -200 mm dia	Each	213.00
42	BMW-A.42	Supply of SWG Bends conforming to IS standards -250 mm	Each	431.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		dia		
43	BMW-A.43	Supply of SWG Bends conforming to IS standards -300 mm dia	Each	548.00
44	BMW-A.44	Supply of SWG Bends conforming to IS standards -350 mm dia	Each	684.00
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	117.00
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	173.00
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	188.00
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	268.00
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	314.00
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	360.00
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	423.00
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	559.00
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	692.00
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	827.00
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	604.00
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	773.00
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	943.00
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	1113.00
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	1282.00
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	754.00
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	966.00
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	1178.00
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	1389.00
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	1602.00
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	1602.00
66	BMW-A.66	Supply of SWG Plugs conforming to IS standards for 100 mm dia	Each	22.00
67	BMW-A.67	Supply of SWG Plugs conforming to IS standards for 150 mm dia	Each	43.00
68	BMW-A.68	Supply of SWG Plugs conforming to IS standards for 200 mm dia	Each	81.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
69	BMW-A.69	Supply of SWG Plugs conforming to IS standards for 250 mm dia	Each	139.00
70	BMW-A.70	Supply of SWG Plugs conforming to IS standards for 300 mm	Each	221.00
71	BMW-A.71	Supply of SWG Plugs conforming to IS standards for 350 mm dia	Each	277.00
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	419.00
73	BMW-A.73	Supply of SWG Gully Traps (Round & Square) conforming to IS standards 150 x 100 mm	Each	170.00
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	18.00
75	BMW-A.75	Supply of SWG Saddles conforming to IS standards 150 x 100 mm	Each	124.00
76	BMW-A.76	Supply of SWG Saddles conforming to IS standards 200 x 100 mm	Each	213.00
77	BMW-A.77	Supply of SWG Saddles conforming to IS standards 250 x 100 mm	Each	344.00
B		MAN HOLES & INSPECTION CHAMBERS - AS PER - IS 4111 : Part 1 : 1986		
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 2009-10
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	7225.00
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	4096.00
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	6160.00
82	BMW-B.05	Constructing 914.4 mm x 457.2 mm (3'0"x1'6") brick in 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") C.I frame and cover of 40 Kg.	Each	4355.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	2626.00
84	BMW-B.07	a) Making drainage connection in the existing inspection including all repairs	Each	90.00
85	BMW-B.08	b) - do - labour charges only	Each	50.00
C		C.I. PIPES & FITTINGS - AS PER - IS 1729:1979		
		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	561.00
87	BMW-C.02	4" dia (101.6mm) Single Socket	1 RM	641.00
88	BMW-C.03	6" dia (152.4mm) Single Socket	1 RM	1121.00
89	BMW-C.04	3" dia (76.2 mm) Double Socket	1 RM	613.00
90	BMW-C.05	4" dia (101.6mm) Double Socket	1 RM	700.00
91	BMW-C.06	6" dia (152.4mm) Double Socket	1 RM	1183.00
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	150.00
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	183.00
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	237.00
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	461.00
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	247.00
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	289.00
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	610.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	48.00
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	332.00
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	452.00
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	1056.00
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	286.00
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	392.00
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	942.00
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	65.00
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	516.00
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	597.00
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	1475.00
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	449.00
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	554.00
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	1382.00
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	60.00
114	BMW-C.29	Supplying and Fixing of 75mm C.I. Offsets Ist quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 76.20 mm (3") C.I. Pipe	Each	220.00
115	BMW-C.30	Supplying and Fixing of 75mm C.I. Offsets Ist quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 101.6 mm (4") C.I. Pipe	Each	308.00
116	BMW-C.31	Supplying and Fixing of 75mm C.I. Offsets Ist quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 152.4 mm (6") C.I. Pipe	Each	671.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	262.00
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	349.00
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	687.00
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	303.00
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	392.00
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	702.00
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	30.00
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	300.00
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	358.00
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	243.00
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	39.00
128	BMW-C.43	Boxing of Nahany traps in RCC floors	Each	127.00
129	BMW-C.44	Boxing of W.C Trap in R.C.C floors	Each	254.00
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 76.20 mm (3") C.I. Pipe	Each	134.00
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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
D		VITREOUS CHINAWARE - SANITARY APPLIANCES as per IS:2556 - 1974		
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: 580 mm Long	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: 630 mm Long	Each	700.00
135	BMW-D.03	Labour charges only for fixing Indian pattern W.C with "P" or "S" trap	Each	200.00
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: 580 mm x 440 mm	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: 630 mm x 450 mm	Each	1000.00
138	BMW-D.06	Labour charges only Fixing Orissa pan W.C with "P" or "S" trap	Each	250.00
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	45.00
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	350.00
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	175.00
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	50.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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: White Colour	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: Coloured - Grade - I/ Grade - II	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: Special Colour - Grade - III	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
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	1900.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	1150.00
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	1400.00
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	1000.00
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	1300.00
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	250.00
161	BMW-D.29	Supplying and Fixing Pedestal for Wash Hand Basin (H.S.W / Parry / Earthenware)	Each	810.00
162	BMW-D.30	Labour charges only for fixing pedestal for wash hand basin	Each	90.00
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	35.00
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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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) : 410 x 265 x 305 mm	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) : 590 x 375 x 390 mm	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	100.00
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 : 600 x 400 x 250	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 : 750 x 450 x 250	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	250.00
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	160.00
E		TAPS & FAUCETS		
174	BMW-E.01	a) S & F 12.7 mm NP stop cock Indian make 400 grams Seiko/ Senior/ Nice/ Senior/ Nice or equivalent	Each	350.00
175	BMW-E.02	b) - do - labour charges only	Each	20.00
176	BMW-E.03	a) S & F concealed stop cock 12.7 mm (1/2") Indian Make 400 grams Seiko/ Senior/ Nice or equivalent	Each	450.00
177	BMW-E.04	b) - do - labour charges only	Each	30.00
178	BMW-E.05	a) S & F angle stop cock 12.7 mm dia first quality Indian Make 400 grams Seiko/ Senior/ Nice or equivalent	Each	350.00
179	BMW-E.06	b) - do - labour charges only	Each	30.00
180	BMW-E.07	a) S&F 12.7 mm N.P bib tap Indian make 400 grams Seiko/ Senior/ Nice or equivalent	Each	300.00
181	BMW-E.08	b) - do - labour charges only	Each	20.00
182	BMW-E.09	a) S&F 12.7mm N.P bib tap Indian make 300 grams	Each	190.00
183	BMW-E.10	b) - do - labour charges only	Each	20.00
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	10.00
186	BMW-E.13	a) S & F 12.7 mm brass stop cock Indian make 400 grams	Each	170.00
187	BMW-E.14	b) - do - labour charges only	Each	20.00
188	BMW-E.15	a) S & F 12.7 mm brass stop cock Indian make 300 grams	Each	150.00
189	BMW-E.16	b) - do - labour charges only	Each	20.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
190	BMW-E.17	a) S & F 12.7 mm brass bib cock Indian make 400 grams	Each	170.00
191	BMW-E.18	b) - do - labour charges only	Each	20.00
192	BMW-E.19	a) S & F 12.7 mm brass bib cock Indian make 300 grams	Each	150.00
193	BMW-E.20	b) - do - labour charges only	Each	20.00
194	BMW-E.21	S & F CP Long body bib cock fancy type deluxe 400 grams 12.7 mm dia Indian make Seiko/ Senior/ Nice or equivalent	Each	450.00
195	BMW-E.22	S & F CP Short body bib cock fancy type deluxe 400 grams 12.7 mm dia Indian make Seiko/ Senior/ Nice or equivalent	Each	470.00
196	BMW-E.23	S & F 12.7mm 400 grams 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 400 grams NP Swan Neck Pillar cock Seiko/ Senior/ Nice or equivalent	Each	860.00
198	BMW-E.25	b) - do - labour charges only	Each	35.00
199	BMW-E.26	a) S & F 12.7 mm 400 grams NP Sink cock Seiko/ Senior/ Nice or equivalent	Each	860.00
200	BMW-E.27	b) - do - labour charges only	Each	25.00
201	BMW-E.28	S&F 12.7 mm dia NP pillar cock 400 grams 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	20.00
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	20.00
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	10.00
210	BMW-E.37	a)S & F 19.05 mm 400 grams 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	20.00
F		G.I. PIPES & FITTINGS		
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
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	31.00
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	29.00
226	BMW-F.15	a)S & F 12.7 mm copper ball cock ith PVC ball Indian make ISI	Each	160.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		mark		
227	BMW-F.16	b) - do - labour charges only	Each	31.00
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	31.00
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	31.00
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	31.00
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	31.00
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	48.00
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	64.00
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	80.00
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	95.00
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	40.00
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	48.00
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	80.00
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	80.00
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	38.00
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	38.00
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	38.00
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	38.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	38.00
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	38.00
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	38.00
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	38.00
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	38.00
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	38.00
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	38.00
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	38.00
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	38.00
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	29.00
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	29.00
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	29.00
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	29.00
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	31.00
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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
289	BMW-F.78	b) - do - labour charges only	1 RM	48.00
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	29.00
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	29.00
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	29.00
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	29.00
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	31.00
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	48.00
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	5.00
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	5.00
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	5.00
309	BMW-F.98	a)S & F 38.1 mm holder bat clamps	Each	21.00
310	BMW-F.99	b) - do - labour charges only	Each	6.00
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	14.00
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	16.00
315	BMW-F.104	a) S & F 12.7 x 101.6 mm NP shower rose heavy	Each	121.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
316	BMW-F.105	b) - do - labour charges only	Each	16.00
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	16.00
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	16.00
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	15.00
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	17.00
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	29.00
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	26.00
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	22.00
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		PVC PIPES & FITTINGS		
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	6.00
336	BMW-G.02	b) - do - labour charges only	1 Lit	0.38
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: 10 Litres capacity Single Flush	Each	1150.00
343	BMW-G.09	Supply & fixing of PVC low level system parry ware, slim line with internal components & short bend: 10 litres capacity Dual Flush	Each	1350.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
344	BMW-G.10	Supply & fixing of PVC low level system parry ware, slim line with internal components & short bend: 8 Litres capacity single Flush	Each	650.00
345	BMW-G.11	75 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	202.00
346	BMW-G.12	90 mm dia 3 M single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	320.00
347	BMW-G.13	110 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	383.00
348	BMW-G.14	75 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	228.00
349	BMW-G.15	90 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	363.00
350	BMW-G.16	110 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	444.00
351	BMW-G.17	75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	142.00
352	BMW-G.18	90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	219.00
353	BMW-G.19	110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	272.00
354	BMW-G.20	75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	151.00
355	BMW-G.21	90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	232.00
356	BMW-G.22	110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	282.00
357	BMW-G.23	75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	104.00
358	BMW-G.24	90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	160.00
359	BMW-G.25	110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	192.00
360	BMW-G.26	75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	88.00
361	BMW-G.27	90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	129.00
362	BMW-G.28	110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	166.00
363	BMW-G.29	75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	53.00
364	BMW-G.30	90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	89.00
365	BMW-G.31	110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	110.00
366	BMW-G.32	160 MM dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar or any ISI Brand	Each	911.00
367	BMW-G.33	75 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar 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 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 or any ISI Brand	Each	655.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
370	BMW-G.36	75 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/Sudhakar 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 or any ISI Brand)	Each	65.00
392	BMW-G.58	75 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/Sudhakar 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 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 or any ISI Brand)	Each	84.00
395	BMW-G.61	75 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	30.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
396	BMW-G.62	90 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	43.00
397	BMW-G.63	110 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	56.00
398	BMW-G.64	75 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	53.00
399	BMW-G.65	90 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	77.00
400	BMW-G.66	110 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	93.00
401	BMW-G.67	75 mm dia - Single Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	47.00
402	BMW-G.68	90 mm dia - Single Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	70.00
403	BMW-G.69	110 mm dia - Single Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	85.00
404	BMW-G.70	75 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	57.00
405	BMW-G.71	90 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	85.00
406	BMW-G.72	110 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	103.00
407	BMW-G.73	75 mm dia - Double Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	99.00
408	BMW-G.74	90 mm dia - Double Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	144.00
409	BMW-G.75	110 mm dia - Double Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	205.00
410	BMW-G.76	75 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	158.00
411	BMW-G.77	90 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	226.00
412	BMW-G.78	110 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	233.00
413	BMW-G.79	75 mm dia - Single 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	58.00
414	BMW-G.80	90 mm dia - Single 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	93.00
415	BMW-G.81	110 mm dia - Single 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	108.00
416	BMW-G.82	75 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	75.00
417	BMW-G.83	90 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	117.00
418	BMW-G.84	110 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	135.00
419	BMW-G.85	75 mm dia - Double 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	81.00
420	BMW-G.86	90 mm dia - Double 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	125.00
421	BMW-G.87	110 mm dia - Double 'Y' - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	142.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
422	BMW-G.88	75 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	104.00
423	BMW-G.89	90 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	163.00
424	BMW-G.90	110 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	183.00
425	BMW-G.91	75 mm dia - Coupler - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	28.00
426	BMW-G.92	90 mm dia - Coupler - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	40.00
427	BMW-G.93	110 mm dia - Coupler - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	45.00
428	BMW-G.94	90 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	47.00
429	BMW-G.95	110 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	45.00
430	BMW-G.96	90 x 110 mm dia - Reducer - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	63.00
431	BMW-G.97	63 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	7.00
432	BMW-G.98	75 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	11.00
433	BMW-G.99	90 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	13.00
434	BMW-G.100	110 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	15.00
435	BMW-G.101	40 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand) - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	9.00
436	BMW-G.102	50 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	11.00
437	BMW-G.103	63 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	11.00
438	BMW-G.104	75 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	12.00
439	BMW-G.105	90 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	13.00
440	BMW-G.106	110 mm - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	14.00
441	BMW-G.107	160 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/Sudhakar 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 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 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 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 or any ISI Brand)	Each	173.00
446	BMW-G.112	Floor Trap (Bell Mouth) 110 mm - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	179.00
447	BMW-G.113	Bell Mouth Trap 7 " (177.8 mm) - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	261.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
448	BMW-G.114	4" (101.6 mm) Nahany Trap (Without Jali with inlet)UPVC/SWR Pipe fittings (Prince/Sudhakar 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 or any ISI Brand)	Each	69.00
450	BMW-G.116	4" (101.6 mm) Nahany Trap (without inlet with out Jali)UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	85.00
451	BMW-G.117	Mini Trap - UPVC/SWR Pipe fittings (Prince/Sudhakar 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 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 or any ISI Brand)	Each	114.00
454	BMW-G.120	4" (101.6) multi floor trap with out Jalli- UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	89.00
455	BMW-G.121	Round Jali - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	19.00
456	BMW-G.122	Square tile & Jalli - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	30.00
457	BMW-G.123	Pipe connector (with LIP ring) - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	119.00
458	BMW-G.124	Pipe connector (with out LIP ring) - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	92.00
459	BMW-G.125	4" (101.6 mm) Floor Trap - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	109.00
460	BMW-G.126	5" (127.mm) floor Trap - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	116.00
461	BMW-G.127	75 mm dia - Door cap - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	45.00
462	BMW-G.128	90 mm dia - Door cap - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	50.00
463	BMW-G.129	110 mm dia - Door cap - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	58.00
464	BMW-G.130	75 mm dia - Socket plug - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	42.00
465	BMW-G.131	90 mm dia - Socket plug - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	48.00
466	BMW-G.132	110 mm dia - Socket plug - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	50.00
467	BMW-G.133	75 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	6.00
468	BMW-G.134	90 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	7.00
469	BMW-G.135	110 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	9.00
470	BMW-G.136	75 mm dia - Door Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	7.00
471	BMW-G.137	90 mm dia - Door Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	9.00
472	BMW-G.138	110 mm dia - Door Socket - UPVC/SWR Pipe fittings (Prince/Sudhakar or any ISI Brand)	Each	11.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
473	BMW-G.139	LIP ring 110 mm - UPVC/SWR Pipe fittings (Prince/Sudhakar 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 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 or any ISI Brand)	Each	71.00
485	BMW-G.151	160 mm x 110 mm - Internal Reducer - UPVC/SWR Pipe fittings (Prince/Sudhakar 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	50.00
H		CENTRIFUGAL CAST IRON PIPES & FITTINGS AS PER IS: 3989 - 1984		
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
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)	Each	483.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
		fittings		
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
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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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) fittings	Each	388.00
574	BMW-H.88	6" x 4" (152.4 mm x101.6 mm) Reducer 75 mm dia - CI (Spun) fittings	Each	531.00
575	BMW-H.89	3" x 2" (76.2 mm x 50.8 mm) plain T 75 mm dia - CI (Spun) fittings	Each	332.00
576	BMW-H.90	3" x 2" (76.2 mm x 50.8 mm) Door T 75 mm dia - CI (Spun) fittings	Each	517.00
577	BMW-H.91	3" x 2" (76.2 mm x 50.8 mm) Plain Y 75 mm dia - CI (Spun) fittings	Each	517.00
578	BMW-H.92	3" x 2" (76.2 mm x 50.8 mm) Door Y 75 mm dia - CI (Spun) fittings	Each	517.00
579	BMW-H.93	4" x 3" (101.6 mm x 76.2mm) Plain T 75 mm dia - CI (Spun) fittings	Each	517.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
580	BMW-H.94	4" x 3" (101.6 mm x 76.2mm) Door T 75 mm dia - CI (Spun) fittings	Each	549.00
581	BMW-H.95	4" x 3" (101.6 mm x 76.2mm) Plain Y 75 mm dia - CI (Spun) fittings	Each	549.00
582	BMW-H.96	4" x 3" (101.6 mm x 76.2mm) Door Y 75 mm dia - CI (Spun) fittings	Each	586.00
583	BMW-H.97	6" x 4" (152.4 mm x101.6 mm) Plain T 75 mm dia - CI (Spun) fittings	Each	767.00
584	BMW-H.98	6" x 4" (152.4 mm x101.6 mm) Door T 75 mm dia - CI (Spun) fittings	Each	830.00
585	BMW-H.99	6" x 4" (152.4 mm x101.6 mm) Plain Y 75 mm dia - CI (Spun) fittings	Each	878.00
586	BMW-H.100	6" x 4" (152.4 mm x101.6 mm) Door Y 75 mm dia - CI (Spun) fittings	Each	1074.00
587	BMW-H.101	75 mm dia Plain " T" 27 " (685.8 mm) Special Types of Long Fittings	Each	1113.00
588	BMW-H.102	100 mm dia - Plain " T" 27 " (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1563.00
589	BMW-H.103	75 mm dia Door "T" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1243.00
590	BMW-H.104	100mm dia Door "T" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1717.00
591	BMW-H.105	75 mm dia Plain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1243.00
592	BMW-H.106	100mm dia Plain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1717.00
593	BMW-H.107	75 mm dia Door " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1386.00
594	BMW-H.108	100mm dia Door " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1885.00
I		MISCELLANEOUS ITEMS		
595	BMW-I.01	a) Supplying & Fixing solder joints up to 50.8 mm dia	Each	45.00
596	BMW-I.02	b) - do - labour charges only	Each	14.00
597	BMW-I.03	a) Supplying & Fixing solution joints up to 50.8 dia 1st quality.	Each	9.00
598	BMW-I.04	b) - do - labour charges only	Each	2.00
599	BMW-I.05	Chiselling the stone masonry wall for fixing of wooden blocks including finishing as directed by the department	Each	21.00
600	BMW-I.06	Chiselling the stone masonry wall and repairs as directed by the department.	1 Rm	98.00
601	BMW-I.07	Chiselling the brick masonry wall and repairs as directed by the department.	1 Rm	21.00
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	286.00
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	95.00
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	13.00
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	45.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	64.00
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	5.00
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	31.00
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	48.00
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	40.00
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	8.00
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	9.00
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	10.00
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	16.00
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	31.00
630	BMW-I.36	a) Supplying & fixing 88.9 mm A.C cowls	Each	52.00
631	BMW-I.37	b) - do - labour charges only	Each	10.00
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	8.00
634	BMW-I.40	Removing and refixing W.C s	Each	169.00
635	BMW-I.41	Removing and refixing wash hand basins of any size with fittings complete	Each	151.00
636	BMW-I.42	a) S & F 76.2 x 101.6 mm teak wood block complete	Each	19.00
637	BMW-I.43	b) - do - labour charges only	Each	6.00
638	BMW-I.44	Cutting holes in C.C; basement & repairs Labour charges only	Each	71.00
639	BMW-I.45	Cutting holes in stone masonry & basement and repairs Labour charges only	Each	48.00
640	BMW-I.46	Cutting holes in Brick masonry & repairs Labour charges only	Each	31.00
641	BMW-I.47	Cutting holes in RCC slab floor & repairs Labour charges only	Each	48.00
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	14.00
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	8.00
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	8.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	5.00
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	5.00
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	6.00
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	71.00
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	16.00
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	25.00
661	BMW-I.67	a) Supplying & fixing CI Nahany trap grating	Each	14.00
662	BMW-I.68	b) - do - labour charges only	Each	8.00
663	BMW-I.69	a) Supplying & fixing CI gully trap grating	Each	36.00
664	BMW-I.70	b) - do - labour charges only	Each	8.00
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	6.00
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	4.00
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	8.00
671	BMW-I.77	Removing 12.7 mm GI pipe and refixing the same	Mr.	45.00
672	BMW-I.78	Removing 19.05 mm GI pipe and refixing the same	Mr.	50.00
673	BMW-I.79	Removing 25.4 mm GI pipe and refixing the same	Mr.	75.00
674	BMW-I.80	Removing 38.1 mm GI pipe and refixing the same	Rm	95.00
675	BMW-I.81	Removing 50.8 mm GI pipe and refixing the same	Rm	110.00
676	BMW-I.82	Cleaning the W.C with acid and Vim powder	Each	30.00
677	BMW-I.83	Cleaning the Urinal with acid and Vim power	Each	30.00
678	BMW-I.84	Cleaning the wash basin with acid and Vim powder	Each	30.00
679	BMW-I.85	Cleaning the E.W.C with acid and Vim power	Each	30.00
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	100.00
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	8.00
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	100.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	254.00
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	31.00
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	88.00
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	6.00
697	BMW-I.103	a) Supplying & fixing NP coat hook	Each	35.00
698	BMW-I.104	b) - do - labour charges only	Each	8.00
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	83.00
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	6.00
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	8.00
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	13.00
711	BMW-I.117	a) Supplying & fixing C.P flange.	Each	19.00
712	BMW-I.118	b) - do - labour charges only	Each	5.00
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
714	BMW-I.120	b) - do - labour charges only	Each	360.00
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	3995.00
716	BMW-I.122	b) - do - labour charges only	Each	350.00
717	BMW-I.123	a) Supplying & fixing stainless steel sink size 20" x18" x 8 " (508x457.2x203.2mm) 1 mm thick with accessories	Each	3620.00
718	BMW-I.124	b) - do - labour charges only	Each	320.00
719	BMW-I.125	Supplying & fixing 4 " x 24 " (101.6x609.6mm) white glazed porcelain channel fixed in brick masonry white cement pointing.	Each	365.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	730.00
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	4000.00
722	BMW-I.128	Supply & fixing porcelain P' trap	Each	172.00
723	BMW-I.129	Supplying & fixing oval shape basin white (520x410mm) parry or equivalent	Each	1830.00
724	BMW-I.130	Supply & fixing RCC cover 22" dia with nominal reinforcement 3 " thick and hooks for lifting	Each	520.00
725	BMW-I.131	Supply & fixing cp spl. Grating with frame and cover of 1 st quality	Each	47.00
726	BMW-I.132	Supply & fixing towel rod (CP) of 24" long and 3/4 " dia	Each	292.00
727	BMW-I.133	Supply & fixing of LLC handle set 1st quality	Each	58.00
728	BMW-I.134	Mechanical Cleaning of water sumps with pumps & UV disinfecting	1000 Lit	40.00
729	BMW-I.135	Supply & fixing 4" dia CP thimble pipe: 150 mm long	Each	305.00
730	BMW-I.136	Supply & fixing 4" dia CP thimble pipe: 220 mm long	Each	456.00
731	BMW-I.137	Supply & fixing 4" dia CP thimble pipe: 300 mm long	Each	608.00
732	BMW-I.138	Supply & fixing CP long bend	Each	257.00
733	BMW-I.139	Supply & fixing CP short bend	Each	129.00
734	BMW-I.140	Supplying & fixing bib cock with flange C.P Jaquar make queen series.	Each	1075.00
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	Each	3088.00
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	Each	5116.00
737	BMW-I.143	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Chrome plated	Each	1203.00
738	BMW-I.144	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Ivory gold	Each	2015.00
739	BMW-I.145	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Chrome plated	Each	1164.00
740	BMW-I.146	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Ivory gold	Each	2288.00
741	BMW-I.147	Supply & fixing Waste coupling Jaquar make with 7 years warranty: Chrome plated	Each	280.00
742	BMW-I.148	Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Chrome plated	Each	1170.00
743	BMW-I.149	Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Ivory gold	Each	1840.00
744	BMW-I.150	Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Chrome plated	Each	280.00
745	BMW-I.151	Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Ivory gold	Each	546.00
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	Each	3543.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	Each	6396.00
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	Each	1625.00
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	Each	2503.00
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	Each	9906.00
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	Each	1138.00
752	BMW-I.158	Supply & fixing sink cock with regular swinging spout with wall flange chromeplated Jaquar make Queen series with 7 years warranty	Each	1710.00
753	BMW-I.159	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Chrome plated	Each	1073.00
754	BMW-I.160	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Ivory Gold	Each	1729.00
755	BMW-I.161	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Chrome plated	Each	904.00
756	BMW-I.162	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Ivory Gold	Each	1580.00
757	BMW-I.163	Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Chrome plated	Each	845.00
758	BMW-I.164	Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Ivory Gold	Each	1443.00
759	BMW-I.165	Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty: Chrome plated	Each	618.00
760	BMW-I.166	Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty: Ivory Gold	Each	1268.00
761	BMW-I.167	Supply & Fixing of Towel rod 24 " Jaquar make Queen series Ivory gold colour with 7 years warranty	Each	2230.00
762	BMW-I.168	Supply & Fixing of Tumbler holder Jaquar make Queen series, Ivory gold colour with 7 years warranty	Each	1567.00
763	BMW-I.169	Supply & fixing of Glass shelf 22" Jaquar make Queen series, Ivory gold colour with 7 years warranty	Each	3094.00
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	Each	2197.00
765	BMW-I.171	Supply & Fixing of Bibcock Jaquar Continental series, Chrome Finish with 7 years warranty	Each	644.00
766	BMW-I.172	Supply & Fixing of Pillar cock Jaquar Continental series, Chrome Finish with 7 years warranty	Each	800.00
767	BMW-I.173	Supply & Fixing of Angular stopcock with wall flange Jaquar Continental series, Chrome finish with 7 years warranty	Each	631.00
768	BMW-I.174	Supply fixing of Waste coupling Jaquar make, Chrome finish with 7 years warranty	Each	280.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
769	BMW-I.175	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty	Each	1235.00
770	BMW-I.176	Supply & Fixing of copper pipe 450mm long with nuts & washers Jaquar make, Chrome Finish with 7 years warranty	Each	280.00
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	Each	2828.00
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	Each	1300.00
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	Each	3991.00
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	Each	819.00
775	BMW-I.181	Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Continental series with 7 years warranty	Each	1138.00
776	BMW-I.182	Supply & Fixing soap dish Jaquar make Continental series, Chrome Finish with 7 years warranty	Each	878.00
777	BMW-I.183	Supply & Fixing of Toilet paper holder Jaquar make Continental series, Chrome finish with 7 years warranty	Each	644.00
778	BMW-I.184	Supply & Fixing of Towel Ring Jaquar make Continental series, Chrome finish with 7 years warranty	Each	741.00
779	BMW-I.185	Supply & Fixing Double coat hook Jaquar make Continental series, Chrome finish with 7 years warranty	Each	553.00
780	BMW-I.186	Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty	Each	1196.00
781	BMW-I.187	Supply & Fixing of Tumbler holder Jaquar make Continental series, Chrome finish with 7 years warranty	Each	806.00
782	BMW-I.188	Supply & Fixing of Glass shelf 22" Jaquar make Continental series, Chrome finish with 7 years warranty	Each	1586.00
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	Each	2750.00
784	BMW-I.190	Supply & Fixing of Bibcock Jaquar Florentine (Quarter turn)series, Chrome Finish with 7 years warranty	Each	878.00
785	BMW-I.191	Supply & Fixing of Pillar cock Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty	Each	878.00
786	BMW-I.192	Supply & Fixing of Angular stopcock with wall flange Jaquar Florentine(Quarter turn)series, Chrome finish with 7 years warranty	Each	845.00
787	BMW-I.193	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty	Each	1235.00
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	Each	3283.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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	Each	5103.00
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	Each	1359.00
791	BMW-I.197	Supply & Fixing of Rose shower with revolving ball joint & 115mm long shower arm with 7 years warranty	Each	1560.00
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	Each	2730.00
793	BMW-I.199	Supply & Fixing of Jaquar make Sensotronic sensor faucet for wash basin, Chrome plated with 7 years warranty	Each	10725.00
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	Each	10725.00
795	BMW-I.201	Supply & fixing of Jaquar make Auto closing system pillar cock for wash basin, Chrome plated with 7 years warranty	Each	1690.00
796	BMW-I.202	Supply& Fixing of Jaquar make Auto Closing system Bibcock, Chrome plated with 7 years warranty	Each	1690.00
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 : 16 mm OD pipe	1 RM	134.00
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 : 20 mm OD pipe	1 RM	165.00
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 : 25mm OD pipe	1 RM	207.00
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 : 32 mm OD pipe	1 RM	278.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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 : 40 mm OD pipe	1 RM	365.00
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 : 50 mm OD pipe	1 RM	465.00
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 16 mm OD pipe	1 RM	193.00
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 20 mm OD pipe	1 RM	231.00
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 25mm OD pipe	1 RM	285.00
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 32 mm OD pipe	1 RM	376.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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 40 mm OD pipe	1 RM	488.00
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 50 mm OD pipe	1 RM	616.00
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 16 mm OD pipe	1 RM	157.00
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 20 mm OD pipe	1 RM	186.00
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 25mm OD pipe	1 RM	226.00
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 32 mm OD pipe	1 RM	293.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2009-10
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 40 mm OD pipe	1 RM	375.00
814	BMW-I.220	15.90mm OD Ashirvad Flowguard CPVC Pipes - SDR 13.5 as per IS:15778-2007	1 RM	120.00
815	BMW-I.221	22.20mm OD Ashirvad Flowguard CPVC Pipes - SDR 13.5 as per IS:15778-2007	1 RM	135.00
816	BMW-I.222	28.60mm OD Ashirvad Flowguard CPVC Pipes - SDR 13.5 as per IS:15778-2007	1 RM	180.00
817	BMW-I.223	34.90mm OD Ashirvad Flowguard CPVC Pipes - SDR 13.5 as per IS:15778-2007	1 RM	245.00
818	BMW-I.224	41.30mm OD Ashirvad Flowguard CPVC Pipes - SDR 13.5 as per IS:15778-2007	1 RM	305.00
819	BMW-I.225	54.00mm OD Ashirvad Flowguard CPVC Pipes - SDR 13.5 as per IS:15778-2007	1 RM	445.00
820	BMW-I.226	15.90mm OD Ashirvad Flowguard CPVC Pipes - SDR 11 as per IS:15778-2007	1 RM	133.00
821	BMW-I.227	22.20mm OD Ashirvad Flowguard CPVC Pipes - SDR 11 as per IS:15778-2007	1 RM	160.00
822	BMW-I.228	28.60mm OD Ashirvad Flowguard CPVC Pipes - SDR 11 as per IS:15778-2007	1 RM	193.00
823	BMW-I.229	34.90mm OD Ashirvad Flowguard CPVC Pipes - SDR 11 as per IS:15778-2007	1 RM	263.00
824	BMW-I.230	41.30mm OD Ashirvad Flowguard CPVC Pipes - SDR 11 as per IS:15778-2007	1 RM	325.00
825	BMW-I.231	54.00mm OD Ashirvad Flowguard CPVC Pipes - SDR 11 as per IS:15778-2007	1 RM	475.00

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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 for finished item of work
	a) Rate
	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 allowed as applicable.
4	LABOUR Labour charges are increased based on proposals and market rates
5	Coloured porcelain items: 50% extra may be allowed on basic cost of white porcelain items excluding fittings
6	SSR Rates 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.

CODE LEGEND

"BMW" -X.XX	"BMW" for Water Supply & Sanitary items
XXX-"A".XX	"A" for Name of the Section
XXX-X."01"	"01" for Serial of the Item

ELECTRICAL ITEMS

ELECTRICAL ITEMS

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PREAMBLE TO ELECTRICAL SSR 2009-10.

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 SSR.
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 SSR 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 labour rates have to adopt from prevailing civil SSR.
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, Generators, pump sets, Refrigerators/ A.C. plants/A.C. units, Water coolers etc., have to be invariably 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 SSR for Buildings List price from reputed firms etc., from time to time.
10. In case of any addition to the proposed SSR, 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 SSR 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.

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
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I st		SECTION			
1.1		M.S. CONDUIT PIPES			
1	ELEC-1.1.1	Supply of ISI, 20mm dia,16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	54.00
2	ELEC-1.1.2	Supply of ISI, 25mm dia,16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	63.60
3	ELEC-1.1.3	Supply of ISI, 32mm dia,16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	96.00
4	ELEC-1.1.4	Supply of ISI, 38mm dia,16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	106.00
5	ELEC-1.1.5	Supply of ISI, 50mm dia,16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	150.00
6	ELEC-1.1.6	Supply of 19 / 20 mm MS Junction box normal range big size long neck.	1	No	19.50
7	ELEC-1.1.7	Supply of 25 mm MS Junction box normal range big size long neck.	1	No	19.90
8	ELEC-1.1.8	Supply of 32 mm MS Junction box normal range big size long neck.	1	No	52.45
9	ELEC-1.1.9	Supply of 40 / 38 mm MS Junction box normal range big size long neck.	1	No	62.40
10	ELEC-1.1.10	Supply of 50 mm MS Junction box normal range big size long neck.	1	No	112.30
11	ELEC-1.1.11	Supply of 25/20mm.MS Junction deep box.	1	No	32.40
12	ELEC-1.1.12	Supply of 32mm.MS Junction deep box.	1	No	74.90
13	ELEC-1.1.13	Supply of 40mm.MS Junction deep box.	1	No	77.40
14	ELEC-1.1.14	Supply of 19/20mm MS Inspection Bends.	1	No	17.90
15	ELEC-1.1.15	Supply of 25mm MS Inspection Bends.	1	No	18.40
16	ELEC-1.1.16	Supply of 32mm MS Inspection Bends.	1	No	46.20
17	ELEC-1.1.17	Supply of 40/38mm MS Inspection Bends.	1	No	56.20
18	ELEC-1.1.18	Supply of 50mm MS Inspection Bends.	1	No	96.10
19	ELEC-1.1.19	Supply of 19/20mm MS Inspection Tee..	1	No	19.30
20	ELEC-1.1.20	Supply of 25mm MS Inspection Tee..	1	No	19.90
21	ELEC-1.1.21	Supply of 32mm MS Inspection Tee..	1	No	52.40
22	ELEC-1.1.22	Supply of 40/38mm MS Inspection Tee..	1	No	62.40
23	ELEC-1.1.23	Supply of 50mm MS Inspection Tee..	1	No	112.30
24	ELEC-1.1.24	Supply of 19/20mm MS Inspection Elbow..	1	No	16.80
25	ELEC-1.1.25	Supply of 25mm MS Inspection Elbow..	1	No	17.10
26	ELEC-1.1.26	Supply of 32mm MS Inspection Elbow..	1	No	43.70
27	ELEC-1.1.27	Supply of 40/38mm MS Inspection Elbow..	1	No	53.60
28	ELEC-1.1.28	Supply of 50mm MS Inspection Elbow..	1	No	89.90
29	ELEC-1.1.29	Supply of MS Inspection 10 Guage G.I. checknut size 19/20mm.	100	Nos	173.00
30	ELEC-1.1.30	Supply of MS Inspection 10 Guage G.I. checknut size 25mm.	100	Nos	215.00
31	ELEC-1.1.31	Supply of MS Inspection 10 Guage G.I. checknut size 32mm.	100	Nos	400.00
32	ELEC-1.1.32	Supply of MS Inspection 10 Guage G.I. checknut size 40/38mm.	100	Nos	540.00
33	ELEC-1.1.33	Supply of MS Inspection 10 Guage G.I. checknut size 50mm.	100	Nos	1070.00
34	ELEC-1.1.34	Supply of 19/20mm Saddles with Base.	100	Nos	177.00
35	ELEC-1.1.35	Supply of 25mm Saddles with Base.	100	Nos	185.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
36	ELEC-1.1.36	Supply of 32mm Saddles with Base.	100	Nos	305.00
37	ELEC-1.1.37	Supply of 40/38mm Saddles with Base.	100	Nos	325.00
38	ELEC-1.1.38	Supply of 50mm Saddles with Base.	100	Nos	375.00
39	ELEC-1.1.39	Supply of 19/20mm 20 guage Saddles.	100	Nos	95.00
40	ELEC-1.1.40	Supply of 25mm 20 guage Saddles.	100	Nos	125.00
41	ELEC-1.1.41	Supply of 32mm 20 guage Saddles.	100	Nos	205.00
42	ELEC-1.1.42	Supply of 40/38mm 20 guage Saddles.	100	Nos	259.00
43	ELEC-1.1.43	Supply of 50mm 20 guage Saddles.	100	Nos	315.00
44	ELEC-1.1.44	Supply of 19/20mm 16 Guage socket coupler.	12	Nos	48.00
45	ELEC-1.1.45	Supply of 25mm 16 Guage socket coupler.	12	Nos	60.00
46	ELEC-1.1.46	Supply of 32mm 16 Guage socket coupler.	12	Nos	90.00
47	ELEC-1.1.47	Supply of 38mm 16 Guage socket coupler.	12	Nos	108.00
48	ELEC-1.1.48	Supply of 40mm 16 Guage socket coupler.	12	Nos	144.00
49	ELEC-1.1.49	Supply of 50mm 16 Guage socket coupler.	12	Nos	178.00
50	ELEC-1.1.50	Supply of 19mm Ball Socket.	12	Nos	178.00
51	ELEC-1.1.51	Supply of 25mm Ball Socket.	12	Nos	174.00
1.2		PVC CONDUIT PIPES			
52	ELEC-1.2.1	Supply of ISI 20mm dia 1.5mm thickness PVC pipe of makes Sudhakar / Maco Plast / Avon Plast / Modi.	1	Mtr	15.00
53	ELEC-1.2.2	Supply of ISI 20mm dia 2.0mm thickness PVC pipe of makes Sudhakar / Maco Plast / Avon Plast / Modi.	1	Mtr	18.50
54	ELEC-1.2.3	Supply of ISI 25mm dia 1.5mm thickness PVC pipe of makes Sudhakar / Maco Plast / Avon Plast / Modi.	1	Mtr	19.50
55	ELEC-1.2.4	Supply of ISI 25mm dia 2.0mm thickness PVC pipe of makes Sudhakar / Maco Plast / Avon Plast / Modi.	1	Mtr	25.00
56	ELEC-1.2.5	Supply of ISI 32mm dia 2.5mm thickness PVC pipe of makes Sudhakar / Maco Plast / Avon Plast / Modi.	1	Mtr	35.00
57	ELEC-1.2.6	Supply of ISI 40mm dia 2.5mm thickness PVC pipe of makes Sudhakar / Maco Plast / Avon Plast / Modi.	1	Mtr	49.60
58	ELEC-1.2.7	Supply of ISI 50mm dia 2.5mm thickness PVC pipe of makes Sudhakar / Maco Plast / Avon Plast / Modi.	1	Mtr	63.80
59	ELEC-1.2.8	Supply of Non - ISI 20mm dia 1.5mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight.	1	Mtr	12.00
60	ELEC-1.2.9	Supply of Non - ISI 20mm dia 2.0mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight.	1	Mtr	15.50
61	ELEC-1.2.10	Supply of Non - ISI 25mm dia 1.5mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight.	1	Mtr	16.10
62	ELEC-1.2.11	Supply of Non - ISI 25mm dia 2.0mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight.	1	Mtr	20.50
63	ELEC-1.2.12	Supply of Non - ISI 32mm dia 2.5mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight.	1	Mtr	28.20
64	ELEC-1.2.13	Supply of Non - ISI 40mm dia 2.5mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight.	1	Mtr	36.90
65	ELEC-1.2.14	Supply of Non - ISI 50mm dia 2.5mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight.	1	Mtr	41.90
66	ELEC-1.2.15	Supply of ISI 19/20mm width and 12.5mm height Casing and Caping of Modi make.	1	Mtr	19.90

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
67	ELEC-1.2.16	Supply of ISI 25mm width and 12.5mm height Casing and Capping of Modi make.	1	Mtr	25.40
68	ELEC-1.2.17	Supply of ISI 32mm width and 12.5mm height Casing and Capping of Modi make.	1	Mtr	29.00
69	ELEC-1.2.18	Supply of ISI 38/40mm width and 12.5mm height Casing and Capping of Modi make.	1	Mtr	49.50
70	ELEC-1.2.19	Supply of Non - ISI 19/20mm width and 12.5mm height Casing and Capping of Diamond / Durga make.	1	Mtr	14.50
71	ELEC-1.2.20	Supply of Non - ISI 25mm width and 12.5mm height Casing and Capping of Diamond / Durga make.	1	Mtr	16.00
72	ELEC-1.2.21	Supply of Non - ISI 32mm width and 12.5mm height Casing and Capping of Diamond / Durga make.	1	Mtr	20.50
73	ELEC-1.2.22	Supply of Non - ISI 38/40mm width and 12.5mm height Casing and Capping of Diamond / Durga make.	1	Mtr	31.00
74	ELEC-1.2.23	Supply of 19/20mm PVC Flexible Pipe.	1	Mtr	3.00
75	ELEC-1.2.24	Supply of 25mm PVC Flexible Pipe.	1	Mtr	4.00
76	ELEC-1.2.25	Supply of 32mm PVC Flexible Pipe.	1	Mtr	5.00
77	ELEC-1.2.26	Supply of 40/38mm PVC Flexible Pipe.	1	Mtr	10.00
78	ELEC-1.2.27	Supply of 50mm PVC Flexible Pipe.	1	Mtr	16.00
79	ELEC-1.2.28	Supply of 19/20mm PVC Flexible Couplings.	1	No	9.00
80	ELEC-1.2.29	Supply of 25mm PVC Flexible Couplings.	1	No	11.00
81	ELEC-1.2.30	Supply of 32mm PVC Flexible Couplings.	1	No	23.00
82	ELEC-1.2.31	Supply of 40/38mm PVC Flexible Couplings.	1	No	25.00
83	ELEC-1.2.32	Supply of 50mm PVC Flexible Couplings.	1	No	50.00
84	ELEC-1.2.33	Supply of 19/20mm PVC Junction Boxes Normal.	1	No	13.00
85	ELEC-1.2.34	Supply of 25mm PVC Junction Boxes Normal.	1	No	14.50
86	ELEC-1.2.35	Supply of 32mm PVC Junction Boxes Normal.	1	No	25.50
87	ELEC-1.2.36	Supply of 40/38mm PVC Junction Boxes Normal.	1	No	29.00
88	ELEC-1.2.37	Supply of 50mm PVC Junction Boxes Normal.	1	No	40.00
89	ELEC-1.2.38	Supply of PVC Junction Boxes Deep size 19/20mm.	1	No	17.00
90	ELEC-1.2.39	Supply of PVC Junction Boxes Deep size 25mm.	1	No	20.00
91	ELEC-1.2.40	Supply of PVC Junction Boxes Deep size 32mm.	1	No	31.00
92	ELEC-1.2.41	Supply of PVC Junction Boxes Deep size 40/38mm.	1	No	34.00
93	ELEC-1.2.42	Supply of PVC Junction Boxes Deep size 50mm.	1	No	50.00
94	ELEC-1.2.43	Supply of 19/20mm PVC Bends.	1	No	3.50
95	ELEC-1.2.44	Supply of 25mm PVC Bends.	1	No	4.50
96	ELEC-1.2.45	Supply of 32mm PVC Bends.	1	No	12.00
97	ELEC-1.2.46	Supply of 40/38mm PVC Bends.	1	No	14.50
98	ELEC-1.2.47	Supply of 50mm PVC Bends.	1	No	22.00
99	ELEC-1.2.48	Cover to PVC junction boxes	1	No	4.00
1.3		METAL BOXES			
100	ELEC-1.3.1	Supply of Metal Boxes of 1 or 2 Module	1	No	50.00
101	ELEC-1.3.2	Supply of Metal Boxes of 3 Module	1	No	70.00
102	ELEC-1.3.3	Supply of Metal Boxes of 4 Module	1	No	84.00
103	ELEC-1.3.4	Supply of Metal Boxes of 6 Module	1	No	114.00
104	ELEC-1.3.5	Supply of Metal Boxes of 8 or 9 Module Horizontal/Vertical.	1	No	150.00
105	ELEC-1.3.6	Supply of Metal Boxes of 12 Module vertical.	1	No	184.00
1.4		T.W. BOARDS			
106	ELEC-1.4.1	Supply of T.W.Board of Size 4" x 4"	1	No	8.00
107	ELEC-1.4.2	Supply of T.W.Board of Size 4" x 7"	1	No	14.00
108	ELEC-1.4.3	Supply of T.W.Board of Size 6" x 6"	1	No	18.00
109	ELEC-1.4.4	Supply of T.W.Board of Size 6" x 8"	1	No	24.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
110	ELEC-1.4.5	Supply of T.W.Board of Size 8" x 10"	1	No	40.00
111	ELEC-1.4.6	Supply of T.W.Board of Size 10" x 12"	1	No	60.00
112	ELEC-1.4.7	Supply of T.W.Board of Size 12" x 15"	1	No	90.00
113	ELEC-1.4.8	Supply of T.W.Deep Box of Size 4" x 4"	1	No	8.00
114	ELEC-1.4.9	Supply of T.W.Deep Box of Size 4" x 7"	1	No	14.00
115	ELEC-1.4.10	Supply of T.W.Deep Box of Size 6" x 6"	1	No	18.00
116	ELEC-1.4.11	Supply of T.W.Deep Box of Size 6" x 8"	1	No	24.00
117	ELEC-1.4.12	Supply of T.W.Deep Box of Size 8" x 10"	1	No	40.00
118	ELEC-1.4.13	Supply of T.W.Deep Box of Size 10" x 12"	1	No	60.00
119	ELEC-1.4.14	Supply of T.W.Deep Box of Size 12" x 15"	1	No	90.00
120	ELEC-1.4.15	Supply of 3 mm thick hylam sheet of Size 4" x 4"	1	No	8.00
121	ELEC-1.4.16	Supply of 3 mm thick hylam sheet of Size 4" x 7"	1	No	14.00
122	ELEC-1.4.17	Supply of 3 mm thick hylam sheet of Size 6" x 6"	1	No	18.00
123	ELEC-1.4.18	Supply of 3 mm thick hylam sheet of Size 6" x 8"	1	No	24.00
124	ELEC-1.4.19	Supply of 3 mm thick hylam sheet of Size 8" x 10"	1	No	40.00
125	ELEC-1.4.20	Supply of 3 mm thick hylam sheet of Size 10" x 12"	1	No	60.00
126	ELEC-1.4.21	Supply of 3 mm thick hylam sheet of Size 12" x 15"	1	No	90.00
127	ELEC-1.4.22	Supply of Sunglass Delux Board of Size 4" x 4"	1	No	12.00
128	ELEC-1.4.23	Supply of Sunglass Delux Board of Size 4" x 7"	1	No	21.00
129	ELEC-1.4.24	Supply of Sunglass Delux Board of Size 6" x 6"	1	No	27.00
130	ELEC-1.4.25	Supply of Sunglass Delux Board of Size 6" x 8"	1	No	36.00
131	ELEC-1.4.26	Supply of Sunglass Delux Board of Size 8" x 10"	1	No	60.00
132	ELEC-1.4.27	Supply of Sunglass Delux Board of Size 10" x 12"	1	No	90.00
133	ELEC-1.4.28	Supply of Sunglass Delux Board of Size 12" x 15"	1	No	135.00
134	ELEC-1.4.29	Supply of Peeta Board of Size 9" x 14"	1	No	44.00
135	ELEC-1.4.30	Supply of Peeta Board of Size 12" x 10"	1	No	42.00
136	ELEC-1.4.31	Supply of Peeta Board of Size 15" x 20"	1	No	150.00
137	ELEC-1.4.32	Supply of Peeta Board of Size 18" x 24"	1	No	216.00
138	ELEC-1.4.33	Supply of Peeta Board of Size 18" x 30"	1	No	270.00
139	ELEC-1.4.34	Supply of No.8 Screws of 12mm.	100	Nos	50.00
140	ELEC-1.4.35	Supply of No.8 Screws of 25mm.	100	Nos	60.00
141	ELEC-1.4.36	Supply of No.8 Screws of 30mm.	100	Nos	75.00
142	ELEC-1.4.37	Supply of No.8 Screws of 35/38mm.	100	Nos	80.00
143	ELEC-1.4.38	Supply of No.8 Screws of 50mm.	100	Nos	90.00
144	ELEC-1.4.39	Supply of No.8 Screws of 63/75mm.	100	Nos	110.00
1.5		PVC INSULATED COPPER FLEXIBLE CABLES (AS PER IS:694)			
145	ELEC-1.5.1	Supply of 14/0.3mm (1.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Finolex / L&T..	100	Mtrs	893.00
146	ELEC-1.5.2	Supply of 22/0.3mm (1.5 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Finolex / L&T..	100	Mtrs	1320.00
147	ELEC-1.5.3	Supply of 36/0.3mm (2.5 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Finolex / L&T..	100	Mtrs	2130.00
148	ELEC-1.5.4	Supply of 56/0.3mm (4.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Finolex / L&T..	100	Mtrs	3100.00
149	ELEC-1.5.5	Supply of 84/0.3mm (6.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Finolex / L&T..	100	Mtrs	4715.00
150	ELEC-1.5.6	Supply of 140/0.3mm (10.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Finolex / L&T..	100	Mtrs	7330.00
151	ELEC-1.5.7	Supply of 126/0.4mm (16.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Finolex / L&T..	100	Mtrs	11725.00

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152	ELEC-1.5.8	Supply of 14/0.3mm (1.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon	100	Mtrs	800.00
153	ELEC-1.5.9	Supply of 22/0.3mm (1.5 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon.	100	Mtrs	1175.00
154	ELEC-1.5.10	Supply of 36/0.3mm (2.5 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon.	100	Mtrs	1900.00
155	ELEC-1.5.11	Supply of 56/0.3mm (4.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon.	100	Mtrs	2800.00
156	ELEC-1.5.12	Supply of 84/0.3mm (6.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon.	100	Mtrs	4400.00
157	ELEC-1.5.13	Supply of 140/0.3mm (10.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon.	100	Mtrs	6800.00
158	ELEC-1.5.14	Supply of 126/0.4mm (16.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes RPG / Havells / V-Guard / Power Flex / Polycab / Gold Medal / Standard / Milion / Vimal / Sun cab / Paragaon.	100	Mtrs	11200.00
159	ELEC-1.5.15	Supply of 14/0.3mm (1.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / P-Flex / Milltec / Smile / Alankar / Fine Cab / Payal / Sunlight/ Delton	100	Mtrs	690.00
160	ELEC-1.5.16	Supply of 22/0.3mm (1.5 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / P-Flex / Milltec / Smile / Alankar / Fine Cab / Payal / Sunlight/ Delton	100	Mtrs	995.00
161	ELEC-1.5.17	Supply of 36/0.3mm (2.5 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / P-Flex / Milltec / Smile / Alankar / Fine Cab / Payal / Sunlight/ Delton	100	Mtrs	1607.00
162	ELEC-1.5.18	Supply of 56/0.3mm (4.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / P-Flex / Milltec / Smile / Alankar / Fine Cab / Payal / Sunlight/ Delton	100	Mtrs	2340.00
163	ELEC-1.5.19	Supply of 84/0.3mm (6.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / P-Flex / Milltec / Smile / Alankar / Fine Cab / Payal / Sunlight/ Delton	100	Mtrs	3610.00
164	ELEC-1.5.20	Supply of 140/0.3mm (10.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / P-Flex / Milltec / Smile / Alankar / Fine Cab / Payal / Sunlight/ Delton	100	Mtrs	5720.00
165	ELEC-1.5.21	Supply of 126/0.4mm (16.0 Sqmm) FR / FRLS PVC insulated ISI Copper cable of makes Pawancab / Star / P-Flex / Milltec / Smile / Alankar / Fine Cab / Payal / Sunlight/ Delton	100	Mtrs	8800.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
1.6		SERVICE MAINS AND FLAT CABLE OF ISI FOR SUBMERSIBLE MOTORS.			
166	ELEC-1.6.1	Supply of 2.5 Sqmm 3/20 WPSC (Weather Proof Single Core) ISI Alluminium Wire Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	650.00
167	ELEC-1.6.2	Supply of 6 Sqmm 7/18 WPSC (Weather Proof Single Core) ISI Alluminium Wire of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	1150.00
168	ELEC-1.6.3	Supply of 10 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	1400.00
169	ELEC-1.6.4	Supply of 16 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	2100.00
170	ELEC-1.6.5	Supply of 6 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	2500.00
171	ELEC-1.6.6	Supply of 10 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	3200.00
172	ELEC-1.6.7	Supply of 16 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	6000.00
173	ELEC-1.6.8	Supply of 23 / 0060 twin core flat wire of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	900.00
174	ELEC-1.6.9	Supply of 3 Core 1.5 Sqmm Flat cable of ISI for Submersible Motors of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	4950.00
175	ELEC-1.6.10	Supply of 3 Core 2.5 Sqmm Flat cable of ISI for Submersible Motors of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	7600.00
176	ELEC-1.6.11	Supply of 3 Core 4.0 Sqmm Flat cable of ISI for Submersible Motors of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	11400.00
177	ELEC-1.6.12	Supply of 3 Core 6.0 Sqmm Flat cable of ISI for Submersible Motors of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	16800.00
178	ELEC-1.6.13	Supply of 3 Core 10.0 Sqmm Flat cable of ISI for Submersible Motors of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	27300.00
1.7		FLUSH TYPE SWITCHES AND ACCESSORIES			
179	ELEC-1.7.1	Supply of 6A 1 Way flush type Swich of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	17.50
180	ELEC-1.7.2	Supply of 6A 2 Way flush type Swich of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	21.00
181	ELEC-1.7.3	Supply of 6A 2 pin flush type Socket of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	18.00
182	ELEC-1.7.4	Supply of 6A 3/2 pin flush type Socket of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	25.00
183	ELEC-1.7.5	Supply of 6A flush type Neon Indicator of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	20.25

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
184	ELEC-1.7.6	Supply of 6A Triangle Plug Top of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	31.50
185	ELEC-1.7.7	Supply of 6A 1 Way flush type Bed Swich / Bell Push of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	21.40
186	ELEC-1.7.8	Supply of 16A flush type Swich of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	61.00
187	ELEC-1.7.9	Supply of 16A flush type Socket of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	61.00
188	ELEC-1.7.10	Supply of 16A flush type Switch Socket combined (2 in one) of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	97.00
189	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 / Vimal opel / Maru Montero / Sunlight Power	1	No	130.00
190	ELEC-1.7.12	Supply of 16A Triangle Plug Top of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	45.00
191	ELEC-1.7.13	Supply of 400W stepped type Electronic Regulator of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	156.00
192	ELEC-1.7.14	Supply of 600W stepped type Electronic Regulator of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	220.00
193	ELEC-1.7.15	Supply of Ceiling Rose 3 Plate of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	19.00
194	ELEC-1.7.16	Supply of BH / SBH of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	19.00
195	ELEC-1.7.17	Supply of Pendent Holder / Adopter of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	17.00
196	ELEC-1.7.18	Supply of Telephone Jack with Connector of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	44.00
197	ELEC-1.7.19	Supply of TV Antenna Outlet of makes Anchor / Gold Medal Olive / Million Zoom / Vimal opel / Maru Montero / Sunlight Power	1	No	26.00
198	ELEC-1.7.20	Supply of 15A/10A Flush type Fuse of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	28.00
199	ELEC-1.7.21	Supply of 32A DP Flush type of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	92.00
200	ELEC-1.7.22	Supply of Calling Bell of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	50.00
201	ELEC-1.7.23	Supply of Buzzer of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	45.00
202	ELEC-1.7.24	Supply of Ding Dong Bell of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	90.00
203	ELEC-1.7.25	Supply of Electronic Musical Bell of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	214.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
204	ELEC-1.7.26	Supply of Remote Bell of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	450.00
205	ELEC-1.7.27	Supply of Flexible Cord 5 Mtr of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	233.00
206	ELEC-1.7.28	Supply of MC Holder of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	21.00
207	ELEC-1.7.29	Supply of Spike Guard with 1 No Switch and 4 Nos Sockets of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	310.00
208	ELEC-1.7.30	Supply of Spike Guard with 4 No Switches and 4 Nos Sockets of makes Anchor / Gold Medal / Million / Vimal / Maru Mantero / Sunlight Power	1	No	410.00
1.8	MINI MODULAR SWITCHES AND ACCESSORIES				
209	ELEC-1.8.1	Supply of 6A 1 Way Mini Modular Switch with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	21.00
210	ELEC-1.8.2	Supply of 6A 2 Way Mini Modular Switch with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	24.00
211	ELEC-1.8.3	Supply of 6A 2 Pin Mini Modular Socket with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	22.00
212	ELEC-1.8.4	Supply of 6A 3/2 Pin Mini Modular Socket with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	32.00
213	ELEC-1.8.5	Supply of 6A Mini Modular Neon Indicator with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	26.00
214	ELEC-1.8.6	Supply of 6A Mini Modular Bed Switch / Bell Push with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	24.00
215	ELEC-1.8.7	Supply of 6A 1 Way Mini Modular Switch with Neon Indicator with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	26.00
216	ELEC-1.8.8	Supply of 6A Mini Modular Bell Push with Neon Indicator with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	36.00
217	ELEC-1.8.9	Supply of 16A Mini Modular Switch with Cover Frame of makes Anchor / Million / Vimal / Maru / Milltec.	1	No	74.00
218	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	99.00
219	ELEC-1.8.12	Supply of 16A (5 in one) Mini Modular Switch, Socket, Fuse and Indicator with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	170.00
220	ELEC-1.8.13	Supply of 16A Triangle Top with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	45.00
221	ELEC-1.8.14	Supply of 400W Mini Modular Stepped type Electronic Regulator with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	184.00
222	ELEC-1.8.15	Supply of 600W Mini Modular Stepped type Electronic Regulator with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	220.00
223	ELEC-1.8.16	Supply of Ceiling Rose 3 Plate of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	23.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
224	ELEC-1.8.17	Supply of BH / SBH of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	32.00
225	ELEC-1.8.18	Supply of Mini Modular Telephone Jack with Connector with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	50.00
226	ELEC-1.8.19	Supply of Mini Modular TV Antenna Outlet with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	32.00
227	ELEC-1.8.20	Supply of 15A/10A Mini Modular Flush Fuse with Cover Frame of makes Anchor / Gold Medal / Million / Vimal / Maru / Milltec.	1	No	37.00
1.9		MODULAR SWITCHES AND ACCESSORIES			
228	ELEC-1.9.1	Supply of 6A / 10A 1 Way Modular Switch of Mossaic / L & T / North West / M K / Salzer.	1	No	88.00
229	ELEC-1.9.2	Supply of 6A / 10A 2 Way Modular Switch of Mossaic / L & T / North West / M K / Salzer.	1	No	96.00
230	ELEC-1.9.3	Supply of 6A / 10A 2 Pin Modular Socket of Mossaic / L & T / North West / M K / Salzer.	1	No	89.00
231	ELEC-1.9.4	Supply of 6A / 10A 3/2 Pin Modular Socket of Mossaic / L & T / North West / M K / Salzer.	1	No	134.00
232	ELEC-1.9.5	Supply of 6A / 10A Modular Switch with Neon Indicator of Mossaic / L & T / North West / M K / Salzer.	1	No	111.00
233	ELEC-1.9.6	Supply of 6A / 10A Modular Bell Push with Neon Indicator of Mossaic / L & T / North West / M K / Salzer.	1	No	130.00
234	ELEC-1.9.7	Supply of 16A / 10A Modular Flush Fuse with Neon Indicator of Mossaic / L & T / North West / M K / Salzer.	1	No	120.00
235	ELEC-1.9.8	Supply of 16A / 20A 1 Way Modular Switch of Mossaic / L & T / North West / M K / Salzer.	1	No	120.00
236	ELEC-1.9.9	Supply of 16A / 20A 2 Way Modular Switch of Mossaic / L & T / North West / M K / Salzer.	1	No	131.00
237	ELEC-1.9.10	Supply of 20A 1 Way Modular Switch with Indicator of Mossaic / L & T / North West / M K / Salzer.	1	No	131.00
238	ELEC-1.9.11	Supply of 20A Modular Socket of Mossaic / L & T / North West / M K / Salzer.	1	No	179.00
239	ELEC-1.9.12	Supply of 16A/6A 1 way Combi Socket Modular Socket of Mossaic / L & T / North West / M K / Salzer.	1	No	187.00
240	ELEC-1.9.13	Supply of 16A Triangle Top of Mossaic / L & T / North West / M K / Salzer.	1	No	150.00
241	ELEC-1.9.14	Supply of 400W Electronic Regulator of Modular of Mossaic / L & T / North West / M K / Salzer.	1	No	450.00
242	ELEC-1.9.15	Supply of 600W Electronic Regulator of Modular of Mossaic / L & T / North West / M K / Salzer.	1	No	520.00
243	ELEC-1.9.16	Supply of Modular Telephone jack with Connector of Mossaic / L & T / North West / M K / Salzer.	1	No	95.00
244	ELEC-1.9.17	Supply of Modular TV Antenna outlet of Mossaic / L & T / North West / M K / Salzer.	1	No	93.00
245	ELEC-1.9.18	Supply of 6A / 10A 1 Way Modular Switch of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma.	1	No	63.00
246	ELEC-1.9.19	Supply of 6A / 10A 2 Way Modular Switch of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	75.00
247	ELEC-1.9.20	Supply of 6A / 10A 2 Pin Modular Socket of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	64.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
248	ELEC-1.9.21	Supply of 6A / 10A 3/2 Pin Modular Socket of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	93.00
249	ELEC-1.9.22	Supply of 6A / 10A Modular Switch with Neon Indicator of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	75.00
250	ELEC-1.9.23	Supply of 6A / 10A Modular Bell Push with Neon Indicator of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	90.00
251	ELEC-1.9.24	Supply of 16A / 10A Modular Flush Fuse with Neon Indicator of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	83.00
252	ELEC-1.9.25	Supply of 16A / 20A 1 Way Modular Switch of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	83.00
253	ELEC-1.9.26	Supply of 16A / 20A 2 Way Modular Switch of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	95.00
254	ELEC-1.9.27	Supply of 20A 1 Way Modular Switch with Indicator of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	91.00
255	ELEC-1.9.28	Supply of 20A Modular Socket of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	133.00
256	ELEC-1.9.29	Supply of 16A/6A 1 way Combi Socket Modular Socket of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	135.00
257	ELEC-1.9.30	Supply of 16A Triangle Top of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	65.00
258	ELEC-1.9.31	Supply of 400W Electronic Regulator of Modular of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	300.00
259	ELEC-1.9.32	Supply of 600W Electronic Regulator of Modular of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	375.00
260	ELEC-1.9.33	Supply of Modular Telephone jack with Connector of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	65.00
261	ELEC-1.9.34	Supply of Modular TV Antenna outlet of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	64.00
262	ELEC-1.9.35	Supply of 1 or 2 Modular Cover Frame of Mossaic / L & T / North West / M K / Salzer.	1	No	65.00
263	ELEC-1.9.36	Supply of 3 Modular Cover Frame of Mossaic / L & T / North West / M K / Salzer.	1	No	77.00
264	ELEC-1.9.37	Supply of 4 Modular Cover Frame of Mossaic / L & T / North West / M K / Salzer.	1	No	89.00
265	ELEC-1.9.38	Supply of 6 Modular Cover Frame of Mossaic / L & T / North West / M K / Salzer.	1	No	130.00
266	ELEC-1.9.39	Supply of 8 Modular Horizontal / Vertical Cover Frame of Mossaic / L & T / North West / M K / Salzer.	1	No	172.00
267	ELEC-1.9.40	Supply of 12 Modular Vertical Cover Frame of Mossaic / L & T / North West / M K / Salzer.	1	No	210.00
268	ELEC-1.9.41	Supply of 1 or 2 Modular Cover Frame of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	56.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
269	ELEC-1.9.42	Supply of 3 Modular Cover Frame of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	69.00
270	ELEC-1.9.43	Supply of 4 Modular Cover Frame of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	81.00
271	ELEC-1.9.44	Supply of 6 Modular Cover Frame of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	108.00
272	ELEC-1.9.45	Supply of 8 Modular Horizontal / Vertical Cover Frame of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	137.00
273	ELEC-1.9.46	Supply of 12 Modular Vertical Cover Frame of Crabtree / Feno Swtch / Toyoma / Million / Gold Medal / Vimal / Anchor Roma .	1	No	167.00
II nd		SECTION			
2.1		PANEL MOUNTING SWITCH DISCONNECTOR FUSE UNITS (SDFU / FSDU) AS PER IS: 13947			
274	ELEC-2.1.1	Supply of 32A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S.	1	No	1175.00
275	ELEC-2.1.2	Supply of 63A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S.	1	No	2025.00
276	ELEC-2.1.3	Supply of 125A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S.	1	No	4850.00
277	ELEC-2.1.4	Supply of 200A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S.	1	No	6330.00
278	ELEC-2.1.5	Supply of 250A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S.	1	No	7600.00
279	ELEC-2.1.6	Supply of 400A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S.	1	No	11700.00
280	ELEC-2.1.7	Supply of 630A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S.	1	No	19790.00
281	ELEC-2.1.8	Supply of 32A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	1075.00
282	ELEC-2.1.9	Supply of 63A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	1611.00
283	ELEC-2.1.10	Supply of 125A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	3645.00
284	ELEC-2.1.11	Supply of 200A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	5508.00
285	ELEC-2.1.12	Supply of 250A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	6210.00
286	ELEC-2.1.13	Supply of 400A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	9486.00
287	ELEC-2.1.14	Supply of 630A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	15750.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
2.2		ON LOAD CHANGEOVER SWITCHES (OPEN EXECUTION) AS PER IS:13947			
288	ELEC-2.2.1	Supply of 63A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T.	1	No	3750.00
289	ELEC-2.2.2	Supply of 125A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T.	1	No	7100.00
290	ELEC-2.2.3	Supply of 200A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T.	1	No	9500.00
291	ELEC-2.2.4	Supply of 250A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T.	1	No	13500.00
292	ELEC-2.2.5	Supply of 400A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T.	1	No	20600.00
293	ELEC-2.2.6	Supply of 630A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T.	1	No	24500.00
294	ELEC-2.2.7	Supply of 800A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T.	1	No	35500.00
295	ELEC-2.2.8	Supply of 1000A 4 Pole Change Over Switch on Load with open Execution of makes HPL / G E / L & T.	1	No	58500.00
296	ELEC-2.2.9	Supply of 63A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	3500.00
297	ELEC-2.2.10	Supply of 125A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	6800.00
298	ELEC-2.2.11	Supply of 200A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	9000.00
299	ELEC-2.2.12	Supply of 250A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	12800.00
300	ELEC-2.2.13	Supply of 400A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	19900.00
301	ELEC-2.2.14	Supply of 630A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	23900.00
302	ELEC-2.2.15	Supply of 800A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	34900.00
303	ELEC-2.2.16	Supply of 1000A 4 Pole Change Over Switch on Load with open Execution of makes Standard / Crystal / Havells.	1	No	57900.00
2.3		CHANGE OVER SWITCHES IN SS ENCLOSURE AS PER IS:13947			
304	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.	1	No	1195.00
305	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.	1	No	4167.00
306	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.	1	No	6354.00
307	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.	1	No	709.00
308	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.	1	No	2492.00
309	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	4686.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
2.4		REWIRABLE / DOUBLE BREAK SWITCHES IN SS ENCLOSURE AS PER IS:13947			
310	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.	1	No	891.00
311	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.	1	No	1377.00
312	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.	1	No	3145.00
313	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.	1	No	5855.00
314	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.	1	No	5895.00
315	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.	1	No	8595.00
316	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.	1	No	608.00
317	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.	1	No	1013.00
318	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.	1	No	2304.00
319	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.	1	No	4489.00
320	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	4637.00
321	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	7595.00
2.5		HRC FUSE LINKS (BOLTED TYPE)			
322	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	45.00
323	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	70.00
324	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	225.00
325	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	330.00
326	ELEC-2.5.5	Supply of 400A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	640.00
327	ELEC-2.5.6	Supply of 630A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	1295.00
2.6		PORCELAIN REWIRABLE FUSE UNITS.			
328	ELEC-2.6.1	Supply of 32A 240V Porcelain Rewirable Fuse Units of makes Gold Medal / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight.	1	No	80.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
329	ELEC-2.6.2	Supply of 32A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight.	1	No	94.00
330	ELEC-2.6.3	Supply of 63A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight.	1	No	226.00
331	ELEC-2.6.4	Supply of 100A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight.	1	No	405.00
332	ELEC-2.6.5	Supply of 200A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight.	1	No	810.00
333	ELEC-2.6.6	Supply of 300A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / Vimal / Standard / Crystal / Million / Sputnik / Bentec / Sunlight.	1	No	910.00
2.7		VOLTAGE SURGE PROTECTORS			
334	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
335	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
336	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
337	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
2.8		PANEL MOUNTING MCCBs/ ACBs			
338	ELEC-2.8.1	Supply of 63A / 60A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes L & T / GE / Schneider.	1	No	4350.00
339	ELEC-2.8.2	Supply of 125A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes L & T / GE / Schneider.	1	No	6750.00
340	ELEC-2.8.3	Supply of 250A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 36/35 KA Panel Mounted of makes L & T / GE / Schneider.	1	No	18000.00
341	ELEC-2.8.4	Supply of 400A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 36/35 KA Panel Mounted of makes L & T / GE / Schneider.	1	No	21000.00
342	ELEC-2.8.5	Supply of 63A / 60A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes L & T / GE / Schneider.	1	No	5750.00
343	ELEC-2.8.6	Supply of 125A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes L & T / GE / Schneider.	1	No	7900.00
344	ELEC-2.8.7	Supply of 250A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 46/45 KA Panel Mounted of makes L & T / GE / Schneider.	1	No	20100.00
345	ELEC-2.8.8	Supply of 400A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 46/45 KA Panel Mounted of makes L & T / GE / Schneider.	1	No	25350.00
346	ELEC-2.8.9	Supply of 63A / 60A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes Legrand / Standard / Crystal / Havells / Moeller / Indo Asian	1	No	3060.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
347	ELEC-2.8.10	Supply of 125A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes Legrand / Standard / Crystal / Havells / Moeller / Indo Asian	1	No	5040.00
348	ELEC-2.8.11	Supply of 250A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 36/35 KA Panel Mounted of makes Legrand / Standard / Crystal / Havells / Moeller / Indo Asian	1	No	13050.00
349	ELEC-2.8.12	Supply of 400A 3 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 36/35 KA Panel Mounted of makes Legrand / Standard / Crystal / Havells / Moeller / Indo Asian	1	No	16695.00
350	ELEC-2.8.13	Supply of 63A / 60A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes Legrand / Standard / Crystal / Havells / Moeller / Indo Asian	1	No	4500.00
351	ELEC-2.8.14	Supply of 125A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 25 KA Panel Mounted of makes Legrand / Standard / Crystal / Havells / Moeller / Indo Asian	1	No	6300.00
352	ELEC-2.8.15	Supply of 250A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 46/45 KA Panel Mounted of makes Legrand / Standard / Crystal / Havells / Moeller / Indo Asian	1	No	15210.00
353	ELEC-2.8.16	Supply of 400A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 46/45 KA Panel Mounted of makes Legrand / Standard / Crystal / Havells / Moeller / Indo Asian	1	No	18000.00
354	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 make.	1	No	95820.00
355	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 make.	1	No	119120.00
356	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 / C&S make.	1	No	128250.00
357	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 / C&S make.	1	No	158850.00
358	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 / GE.	1	No	135115.00
359	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 / GE.	1	No	167655.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
360	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 GE / L&T / Siemens.	1	No	142000.00
361	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 GE / L&T / Siemens.	1	No	178800.00
2.9		MCBs (AS PER IS:8828)			
362	ELEC-2.9.1	Supply of 6-32A 10KA SP MCB ISI Mark of make L & T / Legrand / GE / Siemens / Schneider.	1	No	184.00
363	ELEC-2.9.2	Supply of 40-63A 10KA SP MCB ISI Mark of make L & T / Legrand / GE / Siemens / Schneider.	1	No	380.00
364	ELEC-2.9.3	Supply of 6-32A 10KA SPN / DP MCB ISI Mark of make L & T / Legrand / GE / Siemens / Schneider.	1	No	534.00
365	ELEC-2.9.4	Supply of 40-63A 10KA SPN / DP MCB ISI Mark of make L & T / Legrand / GE / Siemens / Schneider.	1	No	865.00
366	ELEC-2.9.5	Supply of 6-32A TP MCB ISI Mark of make L & T / Legrand / GE / Siemens / Schneider.	1	No	859.00
367	ELEC-2.9.6	Supply of 40 - 63A TP MCB ISI Mark of make L & T / Legrand / GE / Siemens / Schneider.	1	No	1328.00
368	ELEC-2.9.7	Supply of 6-32A TPN / FP MCB ISI Mark of make L & T / Legrand / GE / Siemens / Schneider.	1	No	1152.00
369	ELEC-2.9.8	Supply of 40 - 63A TPN / FP MCB ISI Mark of make L & T / Legrand / GE / Siemens / Schneider.	1	No	1708.00
370	ELEC-2.9.9	Supply of 6-32A 10KA SP MCB ISI Mark of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	145.00
371	ELEC-2.9.10	Supply of 40-63A 10KA SP MCB ISI Mark of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	320.00
372	ELEC-2.9.11	Supply of 6-32A 10KA SPN / DP MCB ISI Mark of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	460.00
373	ELEC-2.9.12	Supply of 40-63A 10KA SPN / DP MCB ISI Mark of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	630.00
374	ELEC-2.9.13	Supply of 6-32A TP MCB ISI Mark of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	735.00
375	ELEC-2.9.14	Supply of 40 - 63A TP MCB ISI Mark of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	1020.00
376	ELEC-2.9.15	Supply of 6-32A TPN / FP MCB ISI Mark of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	955.00
377	ELEC-2.9.16	Supply of 40 - 63A TPN / FP MCB ISI Mark of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	1280.00
378	ELEC-2.9.17	Supply of 6-32A 10KA SP MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	109.00
379	ELEC-2.9.18	Supply of 40-63A 10KA SP MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	198.00
380	ELEC-2.9.19	Supply of 6-32A 10KA SPN MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	301.00
381	ELEC-2.9.20	Supply of 40-63A 10KA SPN / DP MCB ISI Mark C-Curve of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	450.00
382	ELEC-2.9.21	Supply of 6-32A TP MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	550.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
383	ELEC-2.9.22	Supply of 40 - 63A TP MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	850.00
384	ELEC-2.9.23	Supply of 6-32A TPN MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	708.00
385	ELEC-2.9.24	Supply of 40 - 63A TPN MCB ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1000.00
2.91		ISOLATORS			
386	ELEC-2.91.1	Supply of 32A DP Isolator of make L & T / Legrand / GE / Siemens / Schneider.	1	No	304.00
387	ELEC-2.91.2	Supply of 40A DP Isolator of make L & T / Legrand / GE / Siemens / Schneider.	1	No	329.00
388	ELEC-2.91.3	Supply of 63A DP Isolator of make L & T / Legrand / GE / Siemens / Schneider.	1	No	438.00
389	ELEC-2.91.4	Supply of 40A TP Isolator of make L & T / Legrand / GE / Siemens / Schneider.	1	No	561.00
390	ELEC-2.91.5	Supply of 63A TP Isolator of make L & T / Legrand / GE / Siemens / Schneider.	1	No	652.00
391	ELEC-2.91.6	Supply of 40A FP Isolator of make L & T / Legrand / GE / Siemens / Schneider.	1	No	731.00
392	ELEC-2.91.7	Supply of 63A FP Isolator of make L & T / Legrand / GE / Siemens / Schneider.	1	No	800.00
393	ELEC-2.91.8	Supply of 80A FP Isolator of make L & T / Legrand / GE / Siemens / Schneider.	1	No	846.00
394	ELEC-2.91.9	Supply of 100A FP Isolator of make L & T / Legrand / GE / Siemens / Schneider.	1	No	860.00
395	ELEC-2.91.10	Supply of 32A DP Isolator of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	285.00
396	ELEC-2.91.11	Supply of 40A DP Isolator of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	300.00
397	ELEC-2.91.12	Supply of 63A DP Isolator of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	370.00
398	ELEC-2.91.13	Supply of 40A TP Isolator of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	525.00
399	ELEC-2.91.14	Supply of 63A TP Isolator of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	530.00
400	ELEC-2.91.15	Supply of 40A FP Isolator of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	610.00
401	ELEC-2.91.16	Supply of 63A FP Isolator of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	660.00
402	ELEC-2.91.17	Supply of 80A FP Isolator of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	775.00
403	ELEC-2.91.18	Supply of 100A FP Isolator of make Standard / Havells / Moeller / Toyoma / Indo Asian.	1	No	825.00
404	ELEC-2.91.19	Supply of 32A DP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	193.00
405	ELEC-2.91.20	Supply of 40A DP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	231.00
406	ELEC-2.91.21	Supply of 63A DP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	310.00
407	ELEC-2.91.22	Supply of 40A TP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	344.00
408	ELEC-2.91.23	Supply of 63A TP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	384.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
409	ELEC-2.91.24	Supply of 40A FP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	514.00
410	ELEC-2.91.25	Supply of 63A FP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	621.00
411	ELEC-2.91.26	Supply of 80A FP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	700.00
412	ELEC-2.91.27	Supply of 100A FP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	775.00
2.92		RCCBs CONFIRMS TO IEC:61008 AND IS:12640			
413	ELEC-2.92.1	Supply of 40A 2 Pole RCCB 30ma of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	2803.00
414	ELEC-2.92.2	Supply of 63A 2 Pole RCCB 30ma of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	3268.00
415	ELEC-2.92.3	Supply of 40A 2 Pole RCCB 100ma of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	2991.00
416	ELEC-2.92.4	Supply of 63A 2 Pole RCCB 100ma of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	3486.00
417	ELEC-2.92.5	Supply of 40A 4 Pole RCCB 30ma of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	3131.00
418	ELEC-2.92.6	Supply of 63A 4 Pole RCCB 30ma of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	3724.00
419	ELEC-2.92.7	Supply of 40A 4 Pole RCCB 100ma of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	3325.00
420	ELEC-2.92.8	Supply of 63A 4 Pole RCCB 100ma of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	3825.00
421	ELEC-2.92.9	Supply of 40A 2 Pole RCCB 30ma of makes Standard / Havells / Moeller / Indo Asian	1	No	1935.00
422	ELEC-2.92.10	Supply of 63A 2 Pole RCCB 30ma of makes Standard / Havells / Moeller / Indo Asian	1	No	2610.00
423	ELEC-2.92.11	Supply of 40A 2 Pole RCCB 100ma of makes Standard / Havells / Moeller / Indo Asian	1	No	1905.00
424	ELEC-2.92.12	Supply of 63A 2 Pole RCCB 100ma of makes Standard / Havells / Moeller / Indo Asian	1	No	2500.00
425	ELEC-2.92.13	Supply of 40A 4 Pole RCCB 30ma of makes Standard / Havells / Moeller / Indo Asian	1	No	2380.00
426	ELEC-2.92.14	Supply of 63A 4 Pole RCCB 30ma of makes Standard / Havells / Moeller / Indo Asian	1	No	2715.00
427	ELEC-2.92.15	Supply of 40A 4 Pole RCCB 100ma of makes Standard / Havells / Moeller / Indo Asian	1	No	2300.00
428	ELEC-2.92.16	Supply of 63A 4 Pole RCCB 100ma of makes Standard / Havells / Moeller / Indo Asian	1	No	2650.00
429	ELEC-2.92.17	Supply of 40A 2 Pole RCCB 30ma of makes Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1348.00
430	ELEC-2.92.18	Supply of 63A 2 Pole RCCB 30ma of makes Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1658.00
431	ELEC-2.92.19	Supply of 40A 2 Pole RCCB 100ma of makes Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1343.00
432	ELEC-2.92.20	Supply of 63A 2 Pole RCCB 100ma of makes Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1542.00
433	ELEC-2.92.21	Supply of 40A 4 Pole RCCB 30ma of makes Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1572.00
434	ELEC-2.92.22	Supply of 63A 4 Pole RCCB 30ma of makes Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1905.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
435	ELEC-2.92.23	Supply of 40A 4 Pole RCCB 100ma of makes Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1521.00
436	ELEC-2.92.24	Supply of 63A 4 Pole RCCB 100ma of makes Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1802.00
437	ELEC-2.92.25	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	1690.00
2.93		MCB DISTRIBUTION BOARDS (AS PER IS:13032)			
438	ELEC-2.93.1	Supply of 4 Way SPN DB with IP 20 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	650.00
439	ELEC-2.93.2	Supply of 8 Way SPN DB with IP 20 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	730.00
440	ELEC-2.93.3	Supply of 12 Way SPN DB with IP 20 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	906.00
441	ELEC-2.93.4	Supply of 4 Way SPN DB with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	891.00
442	ELEC-2.93.5	Supply of 8 Way SPN DB with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	1113.00
443	ELEC-2.93.6	Supply of 12 Way SPN DB with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	1341.00
444	ELEC-2.93.7	Supply of 4 Way SPN DB with IP 20 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	420.00
445	ELEC-2.93.8	Supply of 8 Way SPN DB with IP 20 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	550.00
446	ELEC-2.93.9	Supply of 12 Way SPN DB with IP 20 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	630.00
447	ELEC-2.93.10	Supply of 4 Way SPN DB with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	725.00
448	ELEC-2.93.11	Supply of 8 Way SPN DB with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	1025.00
449	ELEC-2.93.12	Supply of 12 Way SPN DB with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	1225.00
450	ELEC-2.93.13	Supply of 4 Way SPN DB with IP 20 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal / Delton.	1	No	297.00
451	ELEC-2.93.14	Supply of 8 Way SPN DB with IP 20 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal / Delton.	1	No	405.00
452	ELEC-2.93.15	Supply of 12 Way SPN DB with IP 20 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal / Delton.	1	No	496.00
453	ELEC-2.93.16	Supply of 4 Way SPN DB with IP 43 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal / Delton.	1	No	500.00
454	ELEC-2.93.17	Supply of 8 Way SPN DB with IP 43 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal / Delton.	1	No	686.00
455	ELEC-2.93.18	Supply of 12 Way SPN DB with IP 43 Protection of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal / Delton.	1	No	869.00
456	ELEC-2.93.19	Supply of 4 Way TPN DB Horizontal with IP 20 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	1270.00
457	ELEC-2.93.20	Supply of 8 Way TPN DB Horizontal with IP 20 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	1800.00
458	ELEC-2.93.21	Supply of 12 Way TPN DB Horizontal with IP 20 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	3667.00
459	ELEC-2.93.22	Supply of 4 Way TPN DB Horizontal with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	2261.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
460	ELEC-2.93.23	Supply of 8 Way TPN DB Horizontal with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	3342.00
461	ELEC-2.93.24	Supply of 12 Way TPN DB Horizontal with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	4927.00
462	ELEC-2.93.25	Supply of 4 Way TPN DB Vertical with IP 20 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	4652.00
463	ELEC-2.93.26	Supply of 8 Way TPN DB Vertical with IP 20 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	5738.00
464	ELEC-2.93.27	Supply of 12 Way TPN DB Vertical with IP 20 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	8353.00
465	ELEC-2.93.28	Supply of 4 Way TPN DB Vertical with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	5397.00
466	ELEC-2.93.29	Supply of 6 Way TPN DB Vertical with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	5981.00
467	ELEC-2.93.30	Supply of 8 Way TPN DB Vertical with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	6833.00
468	ELEC-2.93.31	Supply of 12 Way TPN DB Vertical with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	9148.00
469	ELEC-2.93.32	Supply of 7 Segment 4 Way TPN DB Vertical with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	5328.00
470	ELEC-2.93.33	Supply of 7 Segment 8 Way TPN DB Vertical with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	6705.00
471	ELEC-2.93.34	Supply of 4 Way TPN DB suitable for accomodating 125A 4 Pole MCCB as incomer with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	7120.00
472	ELEC-2.93.35	Supply of 8 Way TPN DB suitable for accomodating 125A 4 Pole MCCB as incomer with IP 43 Protection of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	8917.00
473	ELEC-2.93.36	Supply of 20A SP Plug and Socket in SS enclosure of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	818.00
474	ELEC-2.93.37	Supply of 20A TP Plug and Socket in SS enclosure of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	1738.00
475	ELEC-2.93.38	Supply of 32A TP Plug and Socket in SS enclosure of makes L & T / Legrand / GE / Siemens / Schneider.	1	No	2075.00
476	ELEC-2.93.39	Supply of 4 Way TPN DB Horizontal with IP 20 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	1270.00
477	ELEC-2.93.40	Supply of 8 Way TPN DB Horizontal with IP 20 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	1800.00
478	ELEC-2.93.41	Supply of 12 Way TPN DB Horizontal with IP 20 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	2400.00
479	ELEC-2.93.42	Supply of 4 Way TPN DB Horizontal with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	1900.00
480	ELEC-2.93.43	Supply of 8 Way TPN DB Horizontal with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	2980.00
481	ELEC-2.93.44	Supply of 12 Way TPN DB Horizontal with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	4190.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
482	ELEC-2.93.45	Supply of 4 Way TPN DB Vertical with IP 20 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	3340.00
483	ELEC-2.93.46	Supply of 8 Way TPN DB Vertical with IP 20 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	4610.00
484	ELEC-2.93.47	Supply of 12 Way TPN DB Vertical with IP 20 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	5950.00
485	ELEC-2.93.48	Supply of 4 Way TPN DB Vertical with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	4920.00
486	ELEC-2.93.49	Supply of 8 Way TPN DB Vertical with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	6270.00
487	ELEC-2.93.50	Supply of 12 Way TPN DB Vertical with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	8040.00
488	ELEC-2.93.51	Supply of 7 Segment 4 Way TPN DB Vertical with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	4280.00
489	ELEC-2.93.52	Supply of 7 Segment 8 Way TPN DB Vertical with IP 43 Protection of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	5380.00
490	ELEC-2.93.53	Supply of 20A SP Plug and Socket in SS enclosure of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	590.00
491	ELEC-2.93.54	Supply of 20A TP Plug and Socket in SS enclosure of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	1120.00
492	ELEC-2.93.55	Supply of 32A TP Plug and Socket in SS enclosure of makes Standard / Havells / Moeller / Indo Asian / Toyoma.	1	No	1640.00
493	ELEC-2.93.56	Supply of 4 Way TPN DB Horizontal with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1114.00
494	ELEC-2.93.57	Supply of 8 Way TPN DB Horizontal with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1553.00
495	ELEC-2.93.58	Supply of 12 Way TPN DB Horizontal with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1924.00
496	ELEC-2.93.59	Supply of 4 Way TPN DB Horizontal with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1430.00
497	ELEC-2.93.60	Supply of 6 Way TPN DB Horizontal with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1678.00
498	ELEC-2.93.61	Supply of 8 Way TPN DB Horizontal with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1904.00
499	ELEC-2.93.62	Supply of 12 Way TPN DB Horizontal with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	2382.00
500	ELEC-2.93.63	Supply of 4 Way TPN DB Vertical with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	2350.00
501	ELEC-2.93.64	Supply of 6 Way TPN DB Vertical with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.			3063.00
502	ELEC-2.93.65	Supply of 8 Way TPN DB Vertical with IP 20 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	4092.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
503	ELEC-2.93.66	Supply of 4 Way TPN DB Vertical with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	2350.00
504	ELEC-2.93.67	Supply of 8 Way TPN DB Vertical with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	4092.00
505	ELEC-2.93.68	Supply of 12 Way TPN DB Vertical with IP 43 Protection of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	5524.00
506	ELEC-2.93.69	Supply of 20A SP Plug and Socket in SS enclosure of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	517.00
507	ELEC-2.93.70	Supply of 20A TP Plug and Socket in SS enclosure of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	808.00
508	ELEC-2.93.71	Supply of 32A TP Plug and Socket in SS enclosure of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec / Delton.	1	No	1099.00
III rd		SECTION			
3.1		STREET LIGHT LUMINAIRES			
509	ELEC-3.1.1	Supply of 1 x 36/40 W fluorescent street light luminaire with sheet alluminium housing and UV stabilised acrylic cover of makes Wipro / G.E./ Phillips.	1	No	1390.00
510	ELEC-3.1.2	Supply of 1 x 36/40 W fluorescent street light luminaire with sheet alluminium housing and UV stabilised acrylic cover of makes Crompton / Bajaj / Surya / Havells.	1	No	1300.00
511	ELEC-3.1.3	Supply of 1 x 36/40 W fluorescent street light luminaire with sheet alluminium housing and UV stabilised acrylic cover of makes Elton / RK / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart..	1	No	1280.00
512	ELEC-3.1.4	Supply of 80W MV Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Wipro / G.E./ Phillips.	1	No	3031.00
513	ELEC-3.1.5	Supply of 80W MV Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Crompton / Bajaj / Surya / Havells.	1	No	2116.40
514	ELEC-3.1.6	Supply of 80W MV Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Elton / RK / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.			1900.00
515	ELEC-3.1.7	Supply of 125W MV Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Wipro / G.E./ Phillips.	1	No	3168.00
516	ELEC-3.1.8	Supply of 125W MV Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Crompton / Bajaj / Surya / Havells.	1	No	2227.50
517	ELEC-3.1.9	Supply of 125W MV Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Elton / RK / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart..			1950.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
518	ELEC-3.1.10	Supply of 70W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Wipro / G.E./ Phillips.	1	No	3735.00
519	ELEC-3.1.11	Supply of 70W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Crompton / Bajaj / Surya / Havells.	1	No	3679.00
520	ELEC-3.1.12	Supply of 70W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Elton / RK / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart..	1	No	3200.00
521	ELEC-3.1.13	Supply of 150W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Wipro / G.E./ Phillips.	1	No	5484.00
522	ELEC-3.1.14	Supply of 150W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Crompton / Bajaj / Surya / Havells.	1	No	5113.00
523	ELEC-3.1.15	Supply of 150W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Elton / RK / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart..	1	No	4950.00
524	ELEC-3.1.16	Supply of 250W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Wipro / G.E./ Phillips.	1	No	6300.00
525	ELEC-3.1.17	Supply of 250W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Crompton / Bajaj / Surya / Havells.	1	No	6086.00
526	ELEC-3.1.18	Supply of 250W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP65 protection of makes Elton / RK / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart..	1	No	5400.00
527	ELEC-3.1.19	Supply of 150W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 protection of makes Wipro / G.E./ Phillips.	1	No	5535.00
528	ELEC-3.1.20	Supply of 150W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 protection of makes Crompton / Bajaj / Surya / Havells.	1	No	4960.00
529	ELEC-3.1.21	Supply of 150W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 protection of makes Elton / RK / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart..	1	No	4200.00
530	ELEC-3.1.22	Supply of 250W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 protection of makes Wipro / G.E./ Phillips.	1	No	7200.00
531	ELEC-3.1.23	Supply of 250W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 protection of makes Crompton / Bajaj / Surya / Havells.	1	No	7000.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
532	ELEC-3.1.24	Supply of 250W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 protection of makes Elton / RK / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart..	1	No	6800.00
533	ELEC-3.1.25	Supply of 400W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 protection of makes Wipro / G.E./ Phillips.	1	No	7650.00
534	ELEC-3.1.26	Supply of 400W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 protection of makes Crompton / Bajaj / Surya / Havells.	1	No	7200.00
535	ELEC-3.1.27	Supply of 400W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 protection of makes Elton / RK / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart..	1	No	6200.00
536	ELEC-3.1.28	Supply of 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.	1	No	7763.00
537	ELEC-3.1.29	Supply of 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 / Havells.	1	No	7400.00
538	ELEC-3.1.30	Supply of 250W 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 / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart..	1	No	6800.00
539	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.	1	No	14991.00
540	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 / Havells.	1	No	14299.00
541	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.	1	No	8663.00
542	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 / Havells.	1	No	7976.00
543	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 / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart..	1	No	7178.00
544	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.	1	No	16898.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
545	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 / Havells.	1	No	15666.00
546	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.	1	No	731.00
547	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 / Havells.	1	No	692.00
548	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 / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.	1	No	600.00
549	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.	1	No	1716.00
550	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 / Havells.	1	No	1474.00
551	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 / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.	1	No	1200.00
552	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.	1	No	2623.00
553	ELEC-3.1.45	Supply of 80W MV Well glass and low bay luminaire of IP 65 integral type of makes Crompton / Bajaj / Surya / Havells.	1	No	2227.00
554	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.	1	No	2673.00
555	ELEC-3.1.47	Supply of 70W SV Well glass and low bay luminaire of IP 65 integral type of makes Crompton / Bajaj / Surya / Havells.	1	No	2587.00
3.2		POST TOP LANTERN LUMINAIRES			
556	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.	1	No	2980.00
557	ELEC-3.2.2	Supply of 80W MV integral type standard Post Top Lantern Luminaire of BJPTI 80 MV or its equivalent with all accessories. makes Crompton / Bajaj / Surya.	1	No	3650.00
558	ELEC-3.2.3	Supply of 70W SV / MH integral HID lamp post top lantern BJDPTI 70SV / MH LPF or its equivalent with diamond diffuser etc complete with all accessories of makes Bajaj / Crompton / Surya.	1	No	3640.00
3.3		ACCESSORIES FOR MV / SV / MH LUMINAIRES			
559	ELEC-3.3.1	Supply of 80W MV copper ballast of makes Wipro / G.E./ Phillips / Crompton / Bajaj / Surya / Havells.	1	No	800.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
560	ELEC-3.3.2	Supply of 80W MV copper ballast of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.	1	No	720.00
561	ELEC-3.3.3	Supply of 125W MV copper ballast.of makes Wipro / G.E./ Phillips / Crompton / Bajaj / Surya / Havells.	1	No	820.00
562	ELEC-3.3.4	Supply of 125W MV copper ballast.of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.	1	No	730.00
563	ELEC-3.3.5	Supply of 70 W SV / MH copper ballast.of makes Wipro / G.E./ Phillips.	1	No	800.00
564	ELEC-3.3.6	Supply of 70 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / Havells.	1	No	720.00
565	ELEC-3.3.7	Supply of 70 W SV / MH copper ballast.of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.	1	No	650.00
566	ELEC-3.3.8	Supply of 150 W SV / MH copper ballast.of makes Wipro / G.E./ Phillips.	1	No	1250.00
567	ELEC-3.3.9	Supply of 150 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / Havells.	1	No	1125.00
568	ELEC-3.3.10	Supply of 150 W SV / MH copper ballast.of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.	1	No	1010.00
569	ELEC-3.3.11	Supply of 250 W SV / MH copper ballast.of makes Wipro / G.E./ Phillips.	1	No	1800.00
570	ELEC-3.3.12	Supply of 250 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / Havells.	1	No	1600.00
571	ELEC-3.3.13	Supply of 250 W SV / MH copper ballast.of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.	1	No	1370.00
572	ELEC-3.3.14	Supply of 400 W SV / MH copper ballast.of makes Wipro / G.E./ Phillips.	1	No	2600.00
573	ELEC-3.3.15	Supply of 400 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / Havells.	1	No	2340.00
574	ELEC-3.3.16	Supply of 400 W SV / MH copper ballast.of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.	1	No	1900.00
575	ELEC-3.3.17	Supply of Ignitor for SV / MH Lamp of makes Wipro / G.E./ Phillips / Crompton / Bajaj / Surya / Havells.	1	No	190.00
576	ELEC-3.3.18	Supply of 4 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	120.00
577	ELEC-3.3.19	Supply of 4 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	106.00
578	ELEC-3.3.20	Supply of 4 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	85.00
579	ELEC-3.3.21	Supply of 10 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	200.00
580	ELEC-3.3.22	Supply of 10 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	180.00
581	ELEC-3.3.23	Supply of 10 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	150.00
582	ELEC-3.3.24	Supply of 15 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	240.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
583	ELEC-3.3.25	Supply of 15 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	180.00
584	ELEC-3.3.26	Supply of 15 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	150.00
585	ELEC-3.3.27	Supply of 20 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	320.00
586	ELEC-3.3.28	Supply of 20 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	250.00
587	ELEC-3.3.29	Supply of 20 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	230.00
588	ELEC-3.3.30	Supply of 33 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	520.00
589	ELEC-3.3.31	Supply of 33 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	480.00
590	ELEC-3.3.32	Supply of 33 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	400.00
591	ELEC-3.3.33	Supply of 42 mfd HPF Capacitor of makes Wipro / G.E./ Phillips make	1	No	580.00
592	ELEC-3.3.34	Supply of 42 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	500.00
593	ELEC-3.3.35	Supply of 42 mfd HPF Capacitor of makes Elton / RK / Ballst makers / Flourcraft / Mahita Electro / Capart.	1	No	450.00
3.4		LAMPS			
594	ELEC-3.4.1	Supply of 500W Hallozen Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	108.00
595	ELEC-3.4.2	Supply of 500W Hallozen Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	80.00
596	ELEC-3.4.3	Supply of 500W Hallozen Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	60.00
597	ELEC-3.4.4	Supply of 1000W Hallozen Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	130.00
598	ELEC-3.4.5	Supply of 1000W Hallozen Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	100.00
599	ELEC-3.4.6	Supply of 1000W Hallozen Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	80.00
600	ELEC-3.4.7	Supply of 70W SV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	495.00
601	ELEC-3.4.8	Supply of 70W SV Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	450.00
602	ELEC-3.4.9	Supply of 70W SV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	400.00
603	ELEC-3.4.10	Supply of 150W SV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	710.00
604	ELEC-3.4.11	Supply of 150W SV Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	650.00
605	ELEC-3.4.12	Supply of 150W SV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	600.00
606	ELEC-3.4.13	Supply of 250W SV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	770.00
607	ELEC-3.4.14	Supply of 250W SV Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	720.00
608	ELEC-3.4.15	Supply of 250W SV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	680.00
609	ELEC-3.4.16	Supply of 400W SV Lamp of makes Wipro / G.E./ Phillips /	1	No	840.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
		Osram.			
610	ELEC-3.4.17	Supply of 400W SV Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	800.00
611	ELEC-3.4.18	Supply of 400W SV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	780.00
612	ELEC-3.4.19	Supply of 70W double end MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	605.00
613	ELEC-3.4.20	Supply of 70W double end MH Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	580.00
614	ELEC-3.4.21	Supply of 70W double end MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	530.00
615	ELEC-3.4.22	Supply of 150W double end MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	900.00
616	ELEC-3.4.23	Supply of 150W double end MH Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	850.00
617	ELEC-3.4.24	Supply of 150W double end MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	800.00
618	ELEC-3.4.25	Supply of 70W MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	913.00
619	ELEC-3.4.26	Supply of 70W MH Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	890.00
620	ELEC-3.4.27	Supply of 70W MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	850.00
621	ELEC-3.4.28	Supply of 150W MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	990.00
622	ELEC-3.4.29	Supply of 150W MH Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	950.00
623	ELEC-3.4.30	Supply of 150W MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	900.00
624	ELEC-3.4.31	Supply of 250W MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	1350.00
625	ELEC-3.4.32	Supply of 250W MH Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	1200.00
626	ELEC-3.4.33	Supply of 250W MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	1100.00
627	ELEC-3.4.34	Supply of 400W MH Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	1540.00
628	ELEC-3.4.35	Supply of 400W MH Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	1450.00
629	ELEC-3.4.36	Supply of 400W MH Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	1400.00
630	ELEC-3.4.37	Supply of 80W MV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	180.00
631	ELEC-3.4.38	Supply of 80W MV Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	160.00
632	ELEC-3.4.39	Supply of 80W MV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	140.00
633	ELEC-3.4.40	Supply of 125W MV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	190.00
634	ELEC-3.4.41	Supply of 125W MV Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	170.00
635	ELEC-3.4.42	Supply of 125W MV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	150.00
636	ELEC-3.4.43	Supply of 250W MV Lamp of makes Wipro / G.E./ Phillips /	1	No	450.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
		Osram.			
637	ELEC-3.4.44	Supply of 250W MV Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	420.00
638	ELEC-3.4.45	Supply of 250W MV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	400.00
639	ELEC-3.4.46	Supply of 400W MV Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	640.00
640	ELEC-3.4.47	Supply of 400W MV Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	620.00
641	ELEC-3.4.48	Supply of 400W MV Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	600.00
642	ELEC-3.4.49	Supply of 160W MLL Lamp of makes Wipro / G.E./ Phillips / Osram.	1	No	240.00
643	ELEC-3.4.50	Supply of 160W MLL Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	220.00
644	ELEC-3.4.51	Supply of 160W MLL Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	200.00
3.5		NATURE SWITCHES			
645	ELEC-3.5.1	Supply of Swadeep 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	10560.00
646	ELEC-3.5.2	Supply of Swadeep 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	11080.00
647	ELEC-3.5.3	Supply of Swadeep 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	12640.00
648	ELEC-3.5.4	Supply of Swadeep 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	12640.00
649	ELEC-3.5.5	Supply of Swadeep 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	13680.00
650	ELEC-3.5.6	Supply of Swadeep 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	18360.00
3.6		INTERNAL LUMINAIRES			
651	ELEC-3.6.1	Supply of 1 x 11W Mirror light with all standard accessories diffuser of makes Wipro / G.E./ Phillips.	1	No	645.00
652	ELEC-3.6.2	Supply of 1 x 11W Mirror light with all standard accessories diffuser of makes Crompton / Bajaj / Surya / Havells.	1	No	550.00
653	ELEC-3.6.3	Supply of 1 x 11W Mirror light with all standard accessories diffuser of makes Elton / RK / Krishilite / Fixolite / Kumar / Flourcraft.	1	No	500.00
654	ELEC-3.6.4	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 Wipro / G.E./ Phillips.	1	No	660.00
655	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 / Surya / Havells.	1	No	610.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
656	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 / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart / Million	1	No	520.00
657	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.	1	No	860.00
658	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 / Havells.	1	No	810.00
659	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 / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart / Million	1	No	700.00
660	ELEC-3.6.10	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 Wipro / G.E./ Phillips.	1	No	1025.00
661	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 / Havells.	1	No	975.00
662	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 / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	800.00
663	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.	1	No	1225.00
664	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 / Havells.	1	No	1175.00
665	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 / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	980.00
666	ELEC-3.6.16	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 Wipro / G.E./ Phillips.	1	No	350.00
667	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 / Havells.	1	No	300.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
668	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 / Fixolite / Kumar / Million / Gold Medal / Vimal / Indo Asian / Flourcraft.	1	No	270.00
669	ELEC-3.6.19	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 Wipro / G.E./ Phillips.	1	No	1200.00
670	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.	1	No	1050.00
671	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 / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	850.00
672	ELEC-3.6.22	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 Wipro / G.E./ Phillips.	1	No	1350.00
673	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 / Havells.	1	No	1150.00
674	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 / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.	1	No	1020.00
675	ELEC-3.6.25	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 Wipro / G.E./ Phillips.	1	No	2400.00
676	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 / Havells.	1	No	2200.00
677	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 / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart.	1	No	1800.00
678	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.	1	No	2600.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
679	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 / Havells.	1	No	2375.00
680	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 / Indo Asian / Flourcraft.	1	No	1975.00
681	ELEC-3.6.31	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 Wipro / G.E./ Phillips.	1	No	1485.00
682	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 / Havells.	1	No	1330.00
683	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 / Fixolite / Kumar / Indo Asian / Flourcraft.	1	No	1200.00
684	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.	1	No	1600.00
685	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 / Havells.	1	No	1440.00
686	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 / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft.	1	No	1296.00
687	ELEC-3.6.37	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 Wipro / G.E./ Phillips.	1	No	4525.00
688	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	4455.00
689	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.	1	No	4725.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
690	ELEC-3.6.40	Supply of 2 x 36W CFL Paralite louver (P5) Surface / Recessed low glare Mirror Optic luminaire comprising bright anodised aluminium reflector with Electronic Ballast of makes Crompton / Bajaj / Surya / Havells.	1	No	4200.00
691	ELEC-3.6.41	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised aluminium reflector with VPIT Choke of makes Wipro / G.E./ Phillips.	1	No	4000.00
692	ELEC-3.6.42	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised aluminium reflector with VPIT Choke of makes Crompton / Bajaj / Surya / Havells.	1	No	3243.00
693	ELEC-3.6.43	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised aluminium reflector with Electronic Ballast of makes Wipro / G.E./ Phillips.	1	No	4200.00
694	ELEC-3.6.44	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised aluminium reflector with Electronic Ballast of makes Crompton / Bajaj / Surya / Havells.	1	No	3645.00
695	ELEC-3.6.45	Supply of 1 x 28W surface pendent mounting T5 Luminaire plastic housing with integrated reflector extruded aluminium luminaire with Electronic Ballast and all standard accessories.of makes Crompton / Bajaj / Surya / Havells.	1	No	760.00
696	ELEC-3.6.46	Supply of 1 x 28W surface pendent mounting T5 Luminaire plastic housing with integrated reflector extruded aluminium luminaire with Electronic Ballast and all standard accessories.of makes Elton / Indo Asian / Fluorocraft / Elliot.	1	No	650.00
697	ELEC-3.6.47	Supply of 1 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with aluminium/Matt finished reflector with all standard accessories of makes Wipro / G.E./ Phillips.	1	No	900.00
698	ELEC-3.6.48	Supply of 1 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with aluminium/Matt finished reflector with all standard accessories of makes Crompton / Bajaj / Surya / Havells.	1	No	759.00
699	ELEC-3.6.49	Supply of 2 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with aluminium/Matt finished reflector with all standard accessories of makes Wipro / G.E./ Phillips.	1	No	1069.00
700	ELEC-3.6.50	Supply of 2 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with aluminium/Matt finished reflector with all standard accessories of makes Crompton / Bajaj / Surya / Havells.	1	No	1013.00
701	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.	1	No	1150.00
702	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 / Havells.	1	No	1035.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
703	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.	1	No	1475.00
704	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 / Havells.	1	No	1350.00
705	ELEC-3.6.55	Supply of 70W metal halid down light Recessed mounting with control gear of makes Wipro / G.E./ Phillips.	1	No	2500.00
706	ELEC-3.6.56	Supply of 70W metal halid down light Recessed mounting with control gear of makes Crompton / Bajaj / Surya / Havells.	1	No	2200.00
707	ELEC-3.6.57	Supply of Recessed mounting 12V 50W adjustable Halozen down light with white colour gold shade including transformerWipro / G.E./ Phillips.	1	No	742.00
708	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 / Havells.	1	No	668.00
709	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.	1	No	980.00
710	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	880.00
711	ELEC-3.6.61	Supply of 9/13W VPIT Ballast for CFL of makes Wipro / G.E./ Phillips.	1	No	140.00
712	ELEC-3.6.62	Supply of 9/13W VPIT Ballast for CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	126.00
713	ELEC-3.6.63	Supply of 9/13W VPIT Ballast for CFL of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	110.00
714	ELEC-3.6.64	Supply of 18W VPIT Ballast for CFL of makes Wipro / G.E./ Phillips.	1	No	140.00
715	ELEC-3.6.65	Supply of 18W VPIT Ballast for CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	120.00
716	ELEC-3.6.66	Supply of 18W VPIT Ballast for CFL of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	110.00
717	ELEC-3.6.67	Supply of 20W Copper Wound Ballast of makes Wipro / G.E./ Phillips.	1	No	180.00
718	ELEC-3.6.68	Supply of 20W Copper Wound Ballast of makes Crompton / Bajaj / Surya / Havells.	1	No	160.00
719	ELEC-3.6.69	Supply of 20W Copper Wound Ballast of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	145.00
720	ELEC-3.6.70	Supply of 40W Copper Wound Ballast of makes Wipro / G.E./ Phillips.	1	No	180.00
721	ELEC-3.6.71	Supply of 40W Copper Wound Ballast of makes Crompton / Bajaj / Surya / Havells.	1	No	160.00
722	ELEC-3.6.72	Supply of 40W Copper Wound Ballast of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	145.00
723	ELEC-3.6.73	Supply of 18/20W VPIT Ballast Wipro / G.E./ Phillips.	1	No	180.00
724	ELEC-3.6.74	Supply of 18/20W VPIT Ballast Crompton / Bajaj / Surya /	1	No	160.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
		Havells.			
725	ELEC-3.6.75	Supply of 18/20W VPIT Ballast Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	145.00
726	ELEC-3.6.76	Supply of 36/40W VPIT Ballast Wipro / G.E./ Phillips.	1	No	210.00
727	ELEC-3.6.77	Supply of 36/40W VPIT Ballast Crompton / Bajaj / Surya / Havells.	1	No	180.00
728	ELEC-3.6.78	Supply of 36/40W VPIT Ballast Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	170.00
729	ELEC-3.6.79	Supply of 40W Starter of makes Wipro / G.E./ Phillips.	1	No	10.00
730	ELEC-3.6.80	Supply of 40W Starter of makes Crompton / Bajaj / Surya / Havells.	1	No	8.00
731	ELEC-3.6.81	Supply of 40W Starter of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	7.00
732	ELEC-3.6.82	Supply of Rotor holder(FTL) of makes Wipro / G.E./ Phillips.	1	No	20.00
733	ELEC-3.6.83	Supply of Rotor holder(FTL) of makes Crompton / Bajaj / Surya / Havells.	1	No	18.00
734	ELEC-3.6.84	Supply of Rotor holder(FTL) of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	16.00
735	ELEC-3.6.85	Supply of HID Lamp holder of makes Wipro / G.E./ Phillips.	1	No	50.00
736	ELEC-3.6.86	Supply of HID Lamp holder of makes Crompton / Bajaj / Surya / Havells.	1	No	45.00
737	ELEC-3.6.87	Supply of HID Lamp holder of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	40.00
738	ELEC-3.6.88	Supply of CFL holder of makes Wipro / G.E./ Phillips.	1	No	30.00
739	ELEC-3.6.89	Supply of CFL holder of makes Crompton / Bajaj / Surya / Havells.	1	No	25.00
740	ELEC-3.6.90	Supply of CFL holder of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	23.00
741	ELEC-3.6.91	Supply of FTL Starter holder of makes Wipro / G.E./ Phillips.	1	No	14.00
742	ELEC-3.6.92	Supply of FTL Starter holder of makes Crompton / Bajaj / Surya / Havells.	1	No	12.00
743	ELEC-3.6.93	Supply of FTL Starter holder of makes Elton / RK / Ballast Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	11.00
744	ELEC-3.6.94	Supply of 36W Electronic Ballast for FTL.of makes Wipro / G.E./ Phillips.	1	No	600.00
745	ELEC-3.6.95	Supply of 36W Electronic Ballast for FTL.of makes Crompton / Bajaj / Surya / Havells./Trinic	1	No	550.00
746	ELEC-3.6.96	Supply of 36W Electronic Ballast for FTL.of makes Elton / RK / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft.	1	No	500.00
3.7		FLUORESCENT / CFL LAMPS			
747	ELEC-3.7.1	Supply of 40W-60W Lamp of makes Wipro / G.E./ Phillips.	1	No	12.00
748	ELEC-3.7.2	Supply of 40W-60W Lamp of makes Crompton / Bajaj / Surya / Havells,	1	No	11.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
749	ELEC-3.7.3	Supply of 40W-60W Lamp of makes Elton / RK / Starter Makers / Krishilite / Fixolite / Kumar / Style Lamp / Indo Asian / Flourcraft / Mahita Electro / Capart	1	No	10.00
750	ELEC-3.7.4	Supply of 100W Lamp of makes Wipro / G.E./ Phillips.	1	No	13.00
751	ELEC-3.7.5	Supply of 100W Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	12.00
752	ELEC-3.7.6	Supply of 100W Lamp of makes Elton / Kumar / Style Lamp / Mahita Electro / Capart	1	No	11.00
753	ELEC-3.7.7	Supply of 40W - 60W Milky Lamp of makes Wipro / G.E./ Phillips.	1	No	14.00
754	ELEC-3.7.8	Supply of 40W - 60W Milky Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	13.00
755	ELEC-3.7.9	Supply of 40W - 60W Milky Lamp of makes Elton / Kumar / Style Lamp / Mahita Electro / Capart	1	No	12.00
756	ELEC-3.7.10	Supply of Night Lamp of makes Wipro / G.E./ Phillips.	1	No	11.00
757	ELEC-3.7.11	Supply of Night Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	10.00
758	ELEC-3.7.12	Supply of Night Lamp of makes Elton / Kumar / Style Lamp / Mahita Electro / Capart	1	No	9.00
759	ELEC-3.7.13	Supply of 18/20W fluorescent Lamp of makes Wipro / G.E./ Phillips.	1	No	41.00
760	ELEC-3.7.14	Supply of 18/20W fluorescent Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	39.00
761	ELEC-3.7.15	Supply of 18/20W fluorescent Lamp of makes Elton / Kumar / Style Lamp / Mahita Electro / Capart	1	No	38.00
762	ELEC-3.7.16	Supply of 36/40W fluorescent Lamp of makes Wipro / G.E./ Phillips.	1	No	45.00
763	ELEC-3.7.17	Supply of 36/40W fluorescent Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	40.00
764	ELEC-3.7.18	Supply of 36/40W fluorescent Lamp of makes Elton / Kumar / Style Lamp / Mahita Electro / Capart	1	No	38.00
765	ELEC-3.7.19	Supply of 28W T5 Lamp of makes Crompton / Bajaj / Phillips / Surya / Havells.	1	No	120.00
765	ELEC-3.7.20	Supply of 9W Pin type CFL Lamp of makes Wipro / G.E./ Phillips.	1	No	75.00
766	ELEC-3.7.21	Supply of 9W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	70.00
767	ELEC-3.7.22	Supply of 11W Pin type CFL Lamp of makes Wipro / G.E./ Phillips.	1	No	80.00
768	ELEC-3.7.23	Supply of 11W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	75.00
769	ELEC-3.7.24	Supply of 13W Pin type CFL Lamp of makes Wipro / G.E./ Phillips.	1	No	105.00
770	ELEC-3.7.25	Supply of 13W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	100.00
771	ELEC-3.7.26	Supply of 18W Pin type CFL Lamp of makes Wipro / G.E./ Phillips.	1	No	115.00
772	ELEC-3.7.27	Supply of 18W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	110.00
773	ELEC-3.7.28	Supply of 26W Pin type CFL Lamp of makes Wipro / G.E./ Phillips.	1	No	160.00
774	ELEC-3.7.29	Supply of 26W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	150.00
775	ELEC-3.7.30	Supply of 36W Pin type CFL Lamp of makes Wipro / G.E./ Phillips.	1	No	135.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
776	ELEC-3.7.31	Supply of 36W Pin type CFL Lamp of makes Crompton / Bajaj / Surya / Havells.	1	No	130.00
777	ELEC-3.7.32	Supply of up to 5W Retrofit tiny CFL of makes Wipro / G.E./ Phillips.	1	No	115.00
778	ELEC-3.7.33	Supply of up to 5W Retrofit tiny CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	110.00
779	ELEC-3.7.34	Supply of up to 8W Retrofit tiny CFL of makes Wipro / G.E./ Phillips.	1	No	125.00
780	ELEC-3.7.35	Supply of up to 8W Retrofit tiny CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	120.00
781	ELEC-3.7.36	Supply of up to 10/11W Retrofit tiny CFL of makes Wipro / G.E./ Phillips.	1	No	135.00
782	ELEC-3.7.37	Supply of up to 10/11W Retrofit tiny CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	130.00
783	ELEC-3.7.38	Supply of up to 13/14W Retrofit tiny CFL of makes Wipro / G.E./ Phillips.	1	No	110.00
784	ELEC-3.7.39	Supply of up to 13/14W Retrofit tiny CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	100.00
785	ELEC-3.7.40	Supply of 15W Retrofit tiny CFL of makes Wipro / G.E./ Phillips.	1	No	180.00
786	ELEC-3.7.41	Supply of 15W Retrofit tiny CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	130.00
787	ELEC-3.7.42	Supply of up to 18/20W Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	170.00
788	ELEC-3.7.43	Supply of up to 18/20W Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	150.00
789	ELEC-3.7.44	Supply of 23W Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	200.00
790	ELEC-3.7.45	Supply of 23W Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	180.00
791	ELEC-3.7.46	Supply of up to 25/26W Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	200.00
792	ELEC-3.7.47	Supply of up to 25/26W Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	180.00
793	ELEC-3.7.48	Supply of up to 5W Non - Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	70.00
794	ELEC-3.7.49	Supply of up to 5W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	65.00
795	ELEC-3.7.50	Supply of up to 7 W Non - Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	100.00
796	ELEC-3.7.51	Supply of up to 7 W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	70.00
797	ELEC-3.7.52	Supply of up to 9 W Non - Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	100.00
798	ELEC-3.7.53	Supply of up to 9 W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	80.00
799	ELEC-3.7.54	Supply of up to 11W Non - Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	110.00
800	ELEC-3.7.55	Supply of up to 11W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	80.00
801	ELEC-3.7.56	Supply of up to 13W Non - Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	130.00
802	ELEC-3.7.57	Supply of up to 13W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	115.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
803	ELEC-3.7.58	Supply of up to 18W Non - Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	125.00
804	ELEC-3.7.59	Supply of up to 18W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	110.00
805	ELEC-3.7.60	Supply of up to 20W Non - Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	200.00
806	ELEC-3.7.61	Supply of up to 20W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	180.00
807	ELEC-3.7.62	Supply of up to 27W Non - Retrofit CFL of makes Wipro / G.E./ Phillips.	1	No	230.00
808	ELEC-3.7.63	Supply of up to 27W Non - Retrofit CFL of makes Crompton / Bajaj / Surya / Havells.	1	No	210.00
3.8		ENERGY CONSERVING FIXTURES			
809	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 auto cut off at high voltage suitable for 36/40W tube.	1	No	850.00
810	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	875.00
811	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	900.00
812	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	975.00
813	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	3,450.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
814	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	3,550.00
815	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
816	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
IV th		SECTION			
4.1		U.G. CABLES			
817	ELEC-4.1.1	Supply of 4 Sqmm 2 Core.XLPE PVC armoured aluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	77.00
818	ELEC-4.1.2	Supply of 4 Sqmm 2 Core.XLPE PVC armoured aluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	69.00
819	ELEC-4.1.3	Supply of 4 Sqmm 2 Core.XLPE PVC armoured aluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	66.00
820	ELEC-4.1.4	Supply of 6 Sqmm 2 Core.XLPE PVC armoured aluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	91.00
821	ELEC-4.1.5	Supply of 6 Sqmm 2 Core.XLPE PVC armoured aluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	82.00
822	ELEC-4.1.6	Supply of 6 Sqmm 2 Core.XLPE PVC armoured aluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	78.00
823	ELEC-4.1.7	Supply of 10 Sqmm 2 Core.XLPE PVC armoured aluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	108.00
824	ELEC-4.1.8	Supply of 10 Sqmm 2 Core.XLPE PVC armoured aluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	98.00
825	ELEC-4.1.9	Supply of 10 Sqmm 2 Core.XLPE PVC armoured aluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	93.00
826	ELEC-4.1.10	Supply of 4 Sqmm 4 Core.XLPE PVC armoured aluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	91.00
827	ELEC-4.1.11	Supply of 4 Sqmm 4 Core.XLPE PVC armoured aluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	82.00
828	ELEC-4.1.12	Supply of 4 Sqmm 4 Core.XLPE PVC armoured aluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	78.00
829	ELEC-4.1.13	Supply of 6 Sqmm 4 Core.XLPE PVC armoured aluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	109.00
830	ELEC-4.1.14	Supply of 6 Sqmm 4 Core.XLPE PVC armoured aluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	98.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
831	ELEC-4.1.15	Supply of 6 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	93.00
832	ELEC-4.1.16	Supply of 10 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	124.00
833	ELEC-4.1.17	Supply of 10 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	112.00
834	ELEC-4.1.18	Supply of 10 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	106.00
835	ELEC-4.1.19	Supply of 16 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	136.00
836	ELEC-4.1.20	Supply of 16 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	123.00
837	ELEC-4.1.21	Supply of 16 Sqmm 4 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	117.00
838	ELEC-4.1.22	Supply of 25 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	174.00
839	ELEC-4.1.23	Supply of 25 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	158.00
840	ELEC-4.1.24	Supply of 25 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	149.00
841	ELEC-4.1.25	Supply of 35 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	207.00
842	ELEC-4.1.26	Supply of 35 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	187.00
843	ELEC-4.1.27	Supply of 35 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	177.00
844	ELEC-4.1.28	Supply of 50 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	274.00
845	ELEC-4.1.29	Supply of 50 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	247.00
846	ELEC-4.1.30	Supply of 50 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	234.00
847	ELEC-4.1.31	Supply of 70 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	354.00
848	ELEC-4.1.32	Supply of 70 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	320.00
849	ELEC-4.1.33	Supply of 70 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	303.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
850	ELEC-4.1.34	Supply of 95 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	460.00
851	ELEC-4.1.35	Supply of 95 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	416.00
852	ELEC-4.1.36	Supply of 95 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	394.00
853	ELEC-4.1.37	Supply of 120 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	563.00
854	ELEC-4.1.38	Supply of 120 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	510.00
855	ELEC-4.1.39	Supply of 120 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	483.00
856	ELEC-4.1.40	Supply of 150 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	641.00
857	ELEC-4.1.41	Supply of 150 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	580.00
858	ELEC-4.1.42	Supply of 150 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	550.00
859	ELEC-4.1.43	Supply of 185 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	785.00
860	ELEC-4.1.44	Supply of 185 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	710.00
861	ELEC-4.1.45	Supply of 185 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	673.00
862	ELEC-4.1.46	Supply of 240 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	997.00
863	ELEC-4.1.47	Supply of 240 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	902.00
864	ELEC-4.1.48	Supply of 240 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	855.00
865	ELEC-4.1.49	Supply of 300 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	1219.00
866	ELEC-4.1.50	Supply of 300 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	1103.00
867	ELEC-4.1.51	Supply of 300 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	1045.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
868	ELEC-4.1.52	Supply of 400 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Torrent / Nicco / Universal / CCI.	1	Mtr	1527.00
869	ELEC-4.1.53	Supply of 400 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Polycab / RPG / Finolex / Havells / Paragon / Unicab / V-Guard.	1	Mtr	1382.00
870	ELEC-4.1.54	Supply of 400 Sqmm 3.5 Core.XLPE PVC armoured alluminium cable of makes Power Plast / Payal / Delton / Asian / Finecab / Suncab / Surana.	1	Mtr	1309.00
4.2		CABLE GLANDS			
871	ELEC-4.2.1	Supply and Fixing of heavy duty flange type brass cable glands for 2 to 4 core, 2.5 Sq.mm to 6 Sq.mm PVC armoured cable with brass washers complete.	1	No	45.00
872	ELEC-4.2.2	Supply and Fixing of heavy duty flange type brass cable glands for 2 to 4 core, 10 Sq.mm PVC armoured cable with brass washers complete.	1	No	70.00
873	ELEC-4.2.3	Supply and Fixing of heavy duty flange type brass cable glands for 4 core, 16 Sq.mm / 3.5 core 25Sq.mm PVC armoured cable with brass washers complete.	1	No	95.00
874	ELEC-4.2.4	Supply and Fixing of heavy duty flange type brass cable glands for 3.5 core, 35 Sq.mm / 3.0 core 50Sq.mm PVC armoured cable with brass washers complete.	1	No	100.00
875	ELEC-4.2.5	Supply and Fixing of heavy duty flange type brass cable glands for 3.5 core, 50 Sq.mm PVC armoured cable with brass washers complete.	1	No	115.00
876	ELEC-4.2.6	Supply and Fixing of heavy duty flange type brass cable glands for 3.5 core, 70 Sq.mm PVC armoured cable with brass washers complete.	1	No	138.00
877	ELEC-4.2.7	Supply and Fixing of heavy duty flange type brass cable glands for 3.5 core, 95 Sq.mm PVC armoured cable with brass washers complete.	1	No	170.00
878	ELEC-4.2.8	Supply and Fixing of heavy duty flange type brass cable glands for 3.5 core, 120 Sq.mm PVC armoured cable with brass washers complete.	1	No	180.00
879	ELEC-4.2.9	Supply and Fixing of heavy duty flange type brass cable glands for 3.5 core, 150 Sq.mm PVC armoured cable with brass washers complete.	1	No	200.00
880	ELEC-4.2.10	Supply and Fixing of heavy duty flange type brass cable glands for 3.5 core, 185 Sq.mm PVC armoured cable with brass washers complete.	1	No	242.00
881	ELEC-4.2.11	Supply and Fixing of heavy duty flange type brass cable glands for 3.5 core, 240 Sq.mm PVC armoured cable with brass washers complete.	1	No	290.00
882	ELEC-4.2.12	Supply and Fixing of heavy duty flange type brass cable glands for 3.5 core, 300 Sq.mm PVC armoured cable with brass washers complete.	1	No	350.00
883	ELEC-4.2.13	Supply and Fixing of heavy duty flange type brass cable glands for 3.5 core, 400 Sq.mm PVC armoured cable with brass washers complete.	1	No	462.00
4.3		LUGS			
884	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	20.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
885	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	27.00
886	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	30.00
887	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	35.50
888	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	50.00
889	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	59.00
890	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	80.00
891	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	94.00
892	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	135.00
893	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	195.00
894	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	258.00
895	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	380.00
896	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	11.00
897	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	13.00
898	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	15.00
899	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	18.00
900	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	23.00
901	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	25.00
902	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	32.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
903	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	37.00
904	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	42.00
905	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	65.00
906	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	85.00
907	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	110.00
4.4		CABLE JOINTS			
908	ELEC-4.4.1	Providing and erecting epoxy staight through joint out door / indoor for L.T, PVC Armoured cable 1100V grade complete with ferrule, bushings, 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 2.5Sqmm to 16.00Sqmm.	1	No	550.00
909	ELEC-4.4.2	Providing and erecting epoxy staight through joint out door / indoor for L.T, PVC Armoured cable 1100V grade complete with ferrule, bushings, 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 25Sqmm to 50.00Sqmm.	1	No	781.00
910	ELEC-4.4.3	Providing and erecting epoxy staight through joint out door / indoor for L.T, PVC Armoured cable 1100V grade complete with ferrule, bushings, 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 70Sqmm to 95.00Sqmm.	1	No	900.00
911	ELEC-4.4.4	Providing and erecting epoxy staight through joint out door / indoor for L.T, PVC Armoured cable 1100V grade complete with ferrule, bushings, 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 120Sqmm to 185.00Sqmm.	1	No	1,475.00
912	ELEC-4.4.5	Providing and erecting epoxy staight through joint out door / indoor for L.T, PVC Armoured cable 1100V grade complete with ferrule, bushings, 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 240Sqmm.	1	No	1,980.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
913	ELEC-4.4.6	Providing and erecting epoxy staight through joint out door / indoor for L.T, PVC Armoured cable 1100V grade complete with ferrule, bushings, 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 300Sqmm.	1	No	2,350.00
914	ELEC-4.4.7	Providing and erecting epoxy staight through joint out door / indoor for L.T, PVC Armoured cable 1100V grade complete with ferrule, bushings, 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 400Sqmm.	1	No	2,750.00
915	ELEC-4.4.8	Supply and Transportation of DURO LINE (Duro Guard) or its equivalent make of Outer dia 50mm and Inner dia 38mm double walled corrugated HDPE duct made as per specification EN - 500 86-2-4/IS 14930 Part.	1	Mtr	117.60
916	ELEC-4.4.9	Supply and Transportation of DURO LINE (Duro Guard) or its equivalent make of Outer dia 63mm and Inner dia 50mm double walled corrugated HDPE duct made as per specification EN - 500 86-2-4/IS 14930 Part.	1	Mtr	92.00
917	ELEC-4.4.10	Supply and Transportation of DURO LINE (Duro Guard) or its equivalent make of Outer dia 78mm and Inner dia 63mm double walled corrugated HDPE duct made as per specification EN - 500 86-2-4/IS 14930 Part.	1	Mtr	144.00
918	ELEC-4.4.11	Supply and Transportation of DURO LINE (Duro Guard) or its equivalent make of Outer dia 90mm and Inner dia 76mm double walled corrugated HDPE duct made as per specification EN - 500 86-2-4/IS 14930 Part.	1	Mtr	155.00
919	ELEC-4.4.12	Supply and Transportation of DURO LINE (Duro Guard) or its equivalent make of Outer dia 120mm and Inner dia 103.50mm double walled corrugated HDPE duct made as per specification EN - 500 86-2-4/IS 14930 Part.	1	Mtr	241.00
920	ELEC-4.4.13	Supply and Transportation of DURO LINE (Duro Guard) or its equivalent make of Outer dia 160mm and Inner dia 152mm double walled corrugated HDPE duct made as per specification EN - 500 86-2-4/IS 14930 Part.	1	Mtr	358.00
921	ELEC-4.4.14	Supply and Transportation of DURO LINE (Duro Guard) or its equivalent make of Outer dia 180mm and Inner dia 152mm double walled corrugated HDPE duct made as per specification EN - 500 86-2-4/IS 14930 Part.	1	Mtr	470.00
922	ELEC-4.4.15	Supply and Transportation of DURO LINE (Duro Guard) or its equivalent make of Outer dia 200mm and Inner dia 170mm double walled corrugated HDPE duct made as per specification EN - 500 86-2-4/IS 14930 Part.	1	Mtr	548.00
V th		SECTION			
5.1		FANS			
923	ELEC-5.1.1	Supply of 48" (1200mm) Sweep Ceiling Fan without Regulator.of makes Crompton High Speed / Bajaj Ultima / Havells Velocity / Usha Astra / Orient Summer Pride.	1	No	1400.00
924	ELEC-5.1.2	Supply of 48" (1200mm) Sweep Ceiling Fan without Regulator.of makes Crompton Decora / Bajaj G Gold / Havells Deco / Usha Striker / Orient PSPO.	1	No	1500.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
925	ELEC-5.1.3	Supply of 48" (1200mm) Sweep Ceiling Fan without Regulator.of makes Crompton Aura / Bajaj R Gold / Havells Festiva./Usha Premium	1	No	1600.00
926	ELEC-5.1.4	Supply of 56" (1400mm) Sweep Ceiling Fan without Regulator.of makes Crompton High Speed / Bajaj Ultima / Havells Velocity / Usha Astra / Orient Summer Pride.	1	No	1550.00
927	ELEC-5.1.5	Supply of 56" (1400mm) Sweep Ceiling Fan without Regulator.of makes Crompton Decora / Bajaj G Gold / Havells Deco / Usha Striker / Orient PSPO.	1	No	1700.00
928	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	1750.00
929	ELEC-5.1.7	Supply of 16" (400mm) Wall mounted Fan of makes Crompton SDX Gold / Bajaj Victor / Havells Remote / Usha / Orient.	1	No	2045.00
930	ELEC-5.1.8	Supply of 16" (400mm) Pedestal Fan of makes Crompton SDX Gold / Bajaj Victor / Havells Remote / Usha / Orient.	1	No	2360.00
931	ELEC-5.1.9	Supply of 18" (450mm) Air Circulators of makes Crompton / Bajaj / Havells / Orient / Almounard.	1	No	5500.00
932	ELEC-5.1.10	Supply of 24" (600mm) Air Circulators of makes Crompton / Bajaj / Havells / Orient / Almounard.	1	No	6000.00
933	ELEC-5.1.11	Supply of 12" (300mm) Cabin fan of makes Crompton / Bajaj / Havells / Orient.	1	No	1305.00
934	ELEC-5.1.12	Supply of 12" (300mm) ISI, Fresh Air fan of makes Crompton / Bajaj / Havells / Orient.	1	No	1100.00
935	ELEC-5.1.13	Supply of 9" (225mm) ISI, Fresh Air fan of makes Crompton / Bajaj / Havells / Orient.	1	No	1150.00
936	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	2300.00
937	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	2800.00
938	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	3500.00
5.2		WATER HEATERS			
939	ELEC-5.2.1	Supply of 25 Ltrs Geyser with Copper tank with Metal body of makes Venus / Bajaj / Racold / Usha / Crompton / V-Guard.	1	No	6450.00
940	ELEC-5.2.2	Supply of 35 Ltrs Geyser with Copper tank with Metal body of makes Venus / Bajaj / Racold / Usha / Crompton / V-Guard.	1	No	8750.00
941	ELEC-5.2.3	Supply of 25 Ltrs Geyser with Copper tank with ABS Plastic body of makes Venus / Bajaj / Racold / Usha / Crompton / V-Guard.	1	No	8050.00
942	ELEC-5.2.4	Supply of 35 Ltrs Geyser with Copper tank with ABS Plastic body of makes Venus / Bajaj / Racold / Usha / Crompton / V-Guard.	1	No	9950.00
5.3		ACCESSORIES FOR WATER HEATERS			
943	ELEC-5.3.1	Heating element of 1.5 / 2.0 / 3.0 KW.	1	No	330.00
944	ELEC-5.3.2	Supply of thermostat with range 30 ⁰ to 90 ⁰ C.Adjustable and suitable for 25 to 50 Ltrs. Capacity.	1	No	200.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
945	ELEC-5.3.3	Supply of pressure release valve for water heater of 15 to 50 Ltrs.capacity.	1	No	200.00
946	ELEC-5.3.4	Flexible Nylon / PVC Metallic hose pipe	1	No	110.00
5.4		ACCESSORIES FOR MOTORS			
947	ELEC-5.4.1	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
948	ELEC-5.4.2	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	1,450.00
949	ELEC-5.4.3	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	3,830.00
950	ELEC-5.4.4	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	4,595.00
951	ELEC-5.4.5	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	5,760.00
952	ELEC-5.4.6	Erecting 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	6,097.00
953	ELEC-5.4.7	Single phasing preventer connected to A.C. supply upto 45A range.	1	No	2,106.00
954	ELEC-5.4.8	Motor made from GI sheet of 18SWG for protection from rain complete.	1	No	45.00
5.5		REPAIRS TO AIR CONDITIONERS			
955	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	1,065.00
956	ELEC-5.5.2	Copper tubing between indoor and outdoor unit for split Air-Conditioner including foaming etc., complete.	1	Ft	195.00
957	ELEC-5.5.3	Supply of 1.0 / 1.5 Ton brand new sealed compressor.	1	No	8,150.00
958	ELEC-5.5.4	Supply of 2.0 Ton brand new sealed compressor.	1	No	9,250.00
959	ELEC-5.5.5	1/6th H.P multi speed Fan Motor suitable for 1.0 / 1.5 / 2.0 Ton Window A.C.Unit.	1	No	600.00
960	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
961	ELEC-5.5.7	Thermostat switch suitable for 1.0 / 1.5 / 2.0 Ton A.C.Unit.	1	No	410.00
962	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
963	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
964	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
965	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
966	ELEC-5.5.12	Air filter suitable for 1.50 Ton Window A.C.Unit P.V.C. / NYLON.	1	No	225.00
967	ELEC-5.5.13	Air filter suitable for 1.50 Ton Split A.C.Unit P.V.C. / NYLON.	1	No	475.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
968	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
969	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
970	ELEC-5.5.16	Fan blade for 1.0 / 1.5 Ton A.C.Machine.	1	No	160.00
971	ELEC-5.5.17	Grill of 1.0 / 1.5 ton A.C. Machine (for assembled Units).	1	No	427.00
972	ELEC-5.5.18	Grill of 1.0 / 1.5 ton A.C. Machine of branded units.	1	No	1,700.00
973	ELEC-5.5.19	Rotary / Selector switch by new one.	1	No	115.00
974	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	1,500.00
975	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	2,100.00
976	ELEC-5.5.22	Spray painting of Refrigerator using good quality paint after scraping the surface etc.	1	No	720.00
977	ELEC-5.5.23	New sealed compressor of 1/8 HP suitable for 165 to 185 Ltrs. Capacity Refrigerator.	1	No	3,100.00
978	ELEC-5.5.24	Sealed compressor of 1/6 HP suitable for 285 / 310 Ltrs. Capacity Refrigerator.	1	No	3,750.00
979	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	1,590.00
980	ELEC-5.5.26	Bush for fan motor of 80-150 Ltrs.	1	No	125.00
981	ELEC-5.5.27	Fan hook of 12/15mm dia M.S. rod / bar	1	No	20.00
982	ELEC-5.5.28	19/20mm steel tube down rod of 1 meter length.	1	No	60.00
983	ELEC-5.5.29	Resistance type regulator for ceiling fans 900/1200/1400mm sweep complete erected on existing board.	1	No	40.00
5.6		REPAIRS TO MOTORS AND REWINDING, BEARINGS			
984	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
985	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
986	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
987	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
988	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
989	ELEC-5.6.6	Bearing of table / cabin / pedestal / ceiling / exhaust fan complete with alignment of shaft and tested.	1	No	84.00
990	ELEC-5.6.7	Bearing of bush / rubber / ring washers complete with alignment of shaft and tested.	1	No	40.00
991	ELEC-5.6.8	Capacitor of table / cabin / pedestal / ceiling / exhaust fan complete.	1	No	38.00
992	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	7,95,069.00
993	ELEC-5.6.10	Transformer oil tested as per IS-335 - 1972 (per Ltr)	1	Ltr	90.00
994	ELEC-5.6.11	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

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
995	ELEC-5.6.12	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
996	ELEC-5.6.13	ABC powder (store pressure type) Fire extinguisher 5 kg confirm to IS- Standards	1	No	5,100.00
997	ELEC-5.6.14	ABC powder (store pressure type) Fire extinguisher 10 kg confirm to IS- Standards	1	No	7,200.00
VI th		SECTION			
6.1		SWAGED POLES / OCTOGONAL POLES, GARDEN POSTS AND ACCESSORIES			
998	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	65.00
999	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	60.00
1000	ELEC-6.1.3	Supply of different sizes of M. S. Pipe brackets (Rate per K.G)	1	Kg	60.00
1001	ELEC-6.1.4	Fabrication, Transportation and supply of high 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.	1	No	9145.00
1002	ELEC-6.1.5	Fabrication, Transportation and supply of high 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.	1	No	13930.00
1003	ELEC-6.1.6	Fabrication, Transportation and supply of high 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 170 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.	1	No	14800.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
1004	ELEC-6.1.7	Fabrication, Transportation and supply of high 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 240 mm,. Top 90mm with 4mm thick, base plate 325 x325 x20mm and 4 Nos of M24 x 850 long 'J' bolts along with template of Makes Bajaj / Aster.	1	No	23185.00
1005	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	1125.00
1006	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	1485.00
1007	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	1296.00
1008	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	2295.00
1009	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 dia and top 100mm 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 sword type decorative double arm bracket 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. Make: Bajaj / Aster.	1	No	22500.00
1010	ELEC-6.1.13	Foundation and erection charges for 9 mtrs long Octagonal 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
1011	ELEC-6.1.14	Fabrication, transportation and supply of 12 Mtrs Polygon High Mast with single section of 3mm thick of Bottom 360mm and Top 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. Make: Bajaj / Aster.	1	No	87975.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
1012	ELEC-6.1.15	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 360mm and Top 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. Make: Bajaj / Aster.	1	No	128751.00
1013	ELEC-6.1.16	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 360mm and Top 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 lamp of Makes Bajaj / Aster.	1	No	154894.00
1014	ELEC-6.1.17	Supply of feeder pillar box with 14 SWG CRCA sheet with 30A switch gear with necessary MCB's, MCCB, timer, connectors and provision for energy meter etc.,	1	No	24745.00
1015	ELEC-6.1.18	Supply of feeder pillar box with 14 SWG CRCA sheet with 63A switch gear with necessary MCB's, MCCB, timer, connectors and provision for energy meter etc.,	1	No	29700.00
1016	ELEC-6.1.19	Earth work excavation with a approximate quantity of 9.0 Cum for erection of 12 Mtrs high mast and refilling with a quantity of 0.53 Cum of PCC 1:4:8 , 2.22 Cum M 20 grade concrete and 111 Kgs reinforced steel of Fe 415, 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, Carriage, Feeder pillar box and Luminaire etc complete.	1	No	56146.00
1017	ELEC-6.1.20	Earth work excavation with a approximate quantity of 9.0 Cum for erection of 16 Mtrs high mast and refilling with a quantity of 0.53 Cum of PCC 1:4:8 , 2.22 Cum M 20 grade concrete and 111 Kgs reinforced steel of Fe 415, 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, Carriage, Feeder pillar box and Luminaire etc complete.	1	No	71588.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
1018	ELEC-6.1.21	Earth work excavation with a approximate quantity of 9.0 Cum for erection of 20 Mtrs high mast and refilling with a quantity of 0.53 Cum of PCC 1:4:8 , 2.22 Cum M 20 grade concrete and 111 Kgs reinforced steel of Fe 415, 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, Carriage, Feeder pillar box and Luminaire etc complete.	1	No	91102.00
6.2		CONTROL PANEL			
1019	ELEC-6.2.2	Fabrication and erection of following guage 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.(Rate per Sq. inch) - 14 SWG CRCA sheet steel enclosure	1	sq. inch	2.25
1020	ELEC-6.2.3	Fabrication and erection of following guage 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.(Rate per Sq. inch) 16 SWG CRCA sheet steel enclosure	1	sq. inch	2.00
1021	ELEC-6.2.4	Fabrication and erection of following guage 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.(Rate per Sq. inch) 18 SWG CRCA sheet steel enclosure	1	sq. inch	1.80
6.3		METERING EQUIPMENT			
1022	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.(Conzen/AE/MECO/ HPL make)	1	No	2,500.00
1023	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.(Conzen/AE/MECO/ HPL make)	1	No	450.00
1024	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. (Conzen/AE/MECO/ HPL make)	1	No	2,500.00
1025	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. (Conzen/AE/MECO/ HPL make)	1	No	450.00
1026	ELEC-6.3.5	Supply and erection of Digital frequency meter of size 96x96mm on existing box / panel board including connections etc., complete. (Conzen/AE/MECO/ HPL make)	1	No	4,556.00
1027	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. (Conzen/AE/MECO/ HPL make)	1	No	2,700.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
1028	ELEC-6.3.7	Supply and erection of L.T. 3phase Analog 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.(HPL/Conzerv/AE makes)	1	No	10,023.00
1029	ELEC-6.3.8	Supply and erection of Analog selector switch for voltmeter / Ammeter on the existing box / panel including connections etc., complete. (HPL/Conzerv/AE makes)	1	No	175.00
1030	ELEC-6.3.9	Supply and erection of Analog LED indicator lamps on the existing box / panel board.(HPL/Conzerv/AE makes)	1	No	135.00
1031	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. (HPL/Conzerv/AE makes)	1	No	450.00
1032	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. (HPL/Conzerv/AE makes)	1	No	1,012.00
1033	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. (HPL/Conzerv/AE makes)	1	No	3,037.00
6.4		SUB STATION EQUIPMENT			
1034	ELEC-6.4.1	Carryout routine maintenance, servicing and testing of 630A to 1000A L.T.ACB by cleaning fixed contacts, moving contacts and archchutes including servicing and putting the ACB in perfect working condition after detting all relay and ON, OFF mechanism etc.	1	No	1,800.00
1035	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	2,500.00
1036	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	4,350.00
1037	ELEC-6.4.4	Testing of Transformer oil for dielectric breakdown strength.	1	No	500.00
1038	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	2,500.00
1039	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	3,500.00
1040	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
1041	ELEC-6.4.8	Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -500 / 1000 KVA	1	No	1,050.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
1042	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
1043	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
1044	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
1045	ELEC-6.4.12	Replacing old and unserviceable gasket of L.T bushing for the following transformer capacity. 500 / 1000 KVA	1	No	1,450.00
1046	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- For copper coils	1	Kg	590.00
1047	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 - For aluminium coils	1	Kg	390.00
1048	ELEC-6.4.15	Insulating HT / LT copper / aluminium coils for Transformers.	1	No	300.00
1049	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	3,000.00
1050	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	4,000.00
1051	ELEC-6.4.18	Replacing H.T bushing for distribution Transformer by new one.	1	No	350.00
1052	ELEC-6.4.19	Replacing H.T bushing metal parts for distribution Transformer by new one.	1	No	380.00
1053	ELEC-6.4.20	Replacing L.T bushing for distribution Transformer by new one for the following capacities. - Upto 315 KVA	1	No	165.00
1054	ELEC-6.4.21	Replacing L.T bushing for distribution Transformer by new one for the following capacities.- 500 / 1000 KVA	1	No	175.00
1055	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
1056	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
1057	ELEC-6.4.24	Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. -500 KVA	1	No	1,300.00
1058	ELEC-6.4.25	Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. - 1000 KVA	1	No	2,000.00
1059	ELEC-6.4.26	Drying the repaired transformer with appropriate heat / air of following capacity of transformers. -Upto 315 KVA	1	No	3,000.00
1060	ELEC-6.4.27	Drying the repaired transformer with appropriate heat / air of following capacity of transformers. -500 / 1000KVA	1	No	4,200.00
1061	ELEC-6.4.28	Loading and Unloadng of transformer from site to Workshop or vice verse. -Upto 500 KVA	1	No	4,500.00
1062	ELEC-6.4.29	Loading and Unloadng of transformer from site to Workshop or vice verse. -630 / 1000 KVA	1	No	6,800.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
6.5		PROTECTIVE GEAR			
1063	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
1064	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
1065	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
1066	ELEC-6.5.4	Supply and erecting porcelain post type insulator suitable for 11KV line with suitable hardware on existing cross arms.	1	No	375.00
1067	ELEC-6.5.5	Supply and erecting porcelain pin/shackle type insulator suitable for L. T.	1	No	90.00
1068	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
1069	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	7,000.00
1070	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	6,100.00
1071	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	5,900.00
1072	ELEC-6.5.10	11KV, H.G fuse set including all standard accessories etc., complete with cost and conveyance of all materials.	1	No	4,000.00
1073	ELEC-6.5.11	Supply of 7/3.15 AAA C all Aluminium annealed conductor Rabbit.	1	Km	23,160.00
1074	ELEC-6.5.12	Supply of 7/2.50 AAA C all Aluminium annealed conductor Weasel.	1	Km	14,243.00
1075	ELEC-6.5.13	Supply of 9.1 Mtr PSCC Pole 280 Kg Working load.	1	No	2,585.00
1076	ELEC-6.5.14	Supply of 8.0 Mtr PSCC Pole 140 Kg Working load.	1	No	1,375.00
1077	ELEC-6.5.15	Supply of 175 x 85 mm / 150 x 75 mm RS Joist.	1	Kg	36.40
VII th		SECTION			
7.1		NET WORKING			
1078	ELEC-7.1.1	Supply of 2 Pair telephone wire of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	1010.00
1079	ELEC-7.1.2	Supply of 6 Pair telephone wire of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	2800.00
1080	ELEC-7.1.3	Supply of RG 6 Co-axil cable of makes Gold Medal / Million / Payal / Sun Light / Power Flex.	100	Mtrs	1700.00
1081	ELEC-7.1.4	Supply of LAN Cable cat - 6 (A) UTP cable of makes D Link / Finolex.	100	Mtrs	2580.00
1082	ELEC-7.1.5	Supply of Cat 6 RJ-45 information outlets including duel face plate of makes Beldan / D Link / Legrand.	1	No	340.00
1083	ELEC-7.1.6	Supply of 24 Port switches of D link make	1	No	5200.00
1084	ELEC-7.1.7	Supply of 8 Port switches of D link make	1	No	1125.00
1085	ELEC-7.1.8	Supply of 17U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	13500.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
1086	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
1087	ELEC-7.1.10	Supply of 3200 access point of D link make or its equivalent.	1	No	12500.00
1088	ELEC-7.1.11	Supply of 7 feet length patch cord of makes D link / Beldan / Krone.	1	No	220.00
1089	ELEC-7.1.12	Supply of 3 feet length patch cord of makes D link / Beldan / Krone.	1	No	200.00
1090	ELEC-7.1.13	Supply of 24 port patch panels of makes D link / Beldan / Krone.	1	No	6500.00
1091	ELEC-7.1.14	Supply of 100 pair MDF loaded with 2/10 Modular of Krone make or its equivalent.	1	No	3000.00
1092	ELEC-7.1.15	Supply of 100 pair raiser cable for telephone of makes Polycab / Finolex.	1	Mtrs	275.00
VIII th		SECTION			
8.1		MISSILLANEOUS ITEMS			
1093	ELEC-8.1.1	Supply and Installation of 600mm x 75mm x 2mm thick powder coated 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 stone masonry wall by providing hole in the wall ahere ever necessary and also including necessary masonary work etc.,	1	Mtr	1,300.00
1094	ELEC-8.1.2	Supply and Installation of 900mm x 75mm x 2mm thick powder coated ladder type 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 stone masonry wall by providing hole in the wall ahere ever necessary and also including necessary masonary work etc., complete.	1	Mtr	800.00
1095	ELEC-8.1.3	Supply and Installation of 300mm x 50mm x 2mm thick powder coated 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 stone masonry wall by providing hole in the wall ahere ever necessary and also including necessary masonary work etc., complete.	1	Mtr	725.00
1096	ELEC-8.1.4	Supply of single fancy bracket with glass shade best Indian make	1	No	195.00
1097	ELEC-8.1.5	Supply of double fancy bracket with glass shade best Indian make	1	No	350.00
1098	ELEC-8.1.6	Supply of 10" ceiling fittings with glass doom best Indian make	1	No	175.00
1099	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
1100	ELEC-8.1.8	TW Seperators / Gutties	100	Nos	150.00
1101	ELEC-8.1.9	Rawl Plugs	100	Nos	16.00
1102	ELEC-8.1.10	U Nails	100	Nos	40.00
1103	ELEC-8.1.11	Alluminium Link Clips	144	Nos	50.00
1104	ELEC-8.1.12	50 mm G.I.Nut and Bolts.	1	Set	12.00
1105	ELEC-8.1.13	63 to 100 mm G.I.Nut and Bolts.	1	Set	20.00
1106	ELEC-8.1.14	50 mm 0 Gauge Nails	1	Doz	36.00
1107	ELEC-8.1.15	63 to 100 mm 0 Gauge Nails	1	Doz	60.00

Sl. No	Item Code	Description of Item	Unit		SS RATE for 2009-10
1108	ELEC-8.1.16	Hard Coke	1	Kg	8.00
1109	ELEC-8.1.17	Salt	1	Kg	4.00
1110	ELEC-8.1.18	PVC Cleats 2 Way	100	Nos	300.00
1111	ELEC-8.1.19	PVC Cleats 4 Way	100	Nos	400.00
1112	ELEC-8.1.20	Binding Wire	1	No	50.00
1113	ELEC-8.1.21	PVC / Cotton Insulation tape Role (10 Mtrs)	1	No	15.00
1114	ELEC-8.1.22	C.I.Knob	1	No	12.00
1115	ELEC-8.1.23	Stay tight set (Jum bracket 300 mm)		Pair	250.00
1116	ELEC-8.1.24	Stay clamp with bolts and Nuts)		1 Set	160.00
1117	ELEC-8.1.25	L.T.Guy insulator	1	No	35.00
1118	ELEC-8.1.26	12 / 15 MS plain rod fan hook	1	No	20.00
1119	ELEC-8.1.27	19 / 20 mm Steel tube fan down rod	1	Rm	60.00
1120	ELEC-8.1.28	Consealed box PVC / MS with hook for fan	1	No	100.00
1121	ELEC-8.1.29	Coil Earthing	1	No	60.00
1122	ELEC-8.1.30	Cable root Indicators	1	No	75.00
1123	ELEC-8.1.31	40 mm x 40 mm x 6 mm angle iron with l bolt.	1	Kg	200.00
1124	ELEC-8.1.32	50 mm x 50 mm x 6 mm angle iron or Flat.	1	Kg	40.00
1125	ELEC-8.1.33	65 mm x 65 mm x 6 mm angle iron or Flat.	1	Kg	40.00
1126	ELEC-8.1.34	Acrylic Cover of size 4" x 7" for night lamps.	1	No	15.00
1127	ELEC-8.1.35	TW / PVC Round Blocks	1	No	6.00
1128	ELEC-8.1.36	G.I.Funnel with Mesh 1/2" x 4"	1	No	75.00
1129	ELEC-8.1.37	Asbestos Sheet	1	Sqft	20.00
1130	ELEC-8.1.38	First Aid box 18" x 12" x 8"	1	No	1,000.00
1131	ELEC-8.1.39	11 KV/22 KV Hand gloves	1	No	140.00
1132	ELEC-8.1.40	Copper plate / Copper strip (Per K. G)	1	Kg	390.00
1133	ELEC-8.1.41	No. 8/10 SWG copper wire (per K. G)	1	Kg	390.00
1134	ELEC-8.1.42	PVC Insulated copper winding wire of fine quality (per K. G)	1	Kg	550.00
1135	ELEC-8.1.43	No. 14 SWG copper wire (per K. G)	1	Kg	390.00
1136	ELEC-8.1.44	Copper winding wire (per K. G)	1	Kg	490.00
1137	ELEC-8.1.45	G. I Strip/ Plate/Wire/ M. S (per K. G)	1	Kg	55.00
1138	ELEC-8.1.46	Alluminum Bus bars/Strips/accessories	1	Kg	185.00
1139	ELEC-8.1.47	Alluminum winding wire	1	Kg	390.00
1140	ELEC-8.1.48	6.2 Volt series bulb (25 Nos.)	25	Nos	82.50
1141	ELEC-8.1.49	6.2 Volt series bulb with navar plate(25 Nos.)	25	Nos	87.50
1142	ELEC-8.1.50	10 K. W Rotating machine	1	No	15,000.00

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	Supply Rates for all the materials are based on market rates plus Sales Tax/ Material VAT.
3	Works Contract VAT for General/ Composition Scheme on finished items may be allowed as applicable.
4	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 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



GOVERNMENT OF ANDHRA PRADESH

SCHEDULE OF RATES AS PER A.P. REVISED STANDARD DATA FOR THE YEAR 2009-2010 *(Effective from 1st June, 2009)*

BOARD OF CHIEF ENGINEERS

Procs.No.ENC/IW/P&M/EE3/DEE10/AE/13305/09/Vol-26 , dt: 24 -7-2009.

Sub:- Schedule of Rates as per Revised Standard Data for the year 2009-10 – approved- Printing & Communication of S. Rs – 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/SSR/2009-10/Vol-1/T1/2009 Dt.26.06.09 & 21.07.09.

3. Commissioner, labour department Lr.No:N1/3527/2009, dt: 30- 03-2009.

4. Minutes of BOCEs meeting for Schedule of Rates held on dt.14-7-2009.

-oOo-

The Government have approved Revised Standard Data vide ref 1st cited. The Schedule of Rates as per A.P. Revised Standard Data for the year 2009-10 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 2nd cited.

For Irrigation & CAD Work Items, The regional Superintending Engineers of Irrigation Circles of Hyderabad, Chittoor & Dowlaiswaram in charge of Telangana, Rayalaseema and Dowlaiswaram respectively and Superintending Engineer, Mechanical Circle, Hyderabad have furnished draft rates of Basic input data for Irrigation & CAD works. Accordingly, the draft rates for Irrigation & Command Area Development are prepared.

The labour rates are obtained from the Commissioner, labour department vide the reference 3rd cited.

Based on the proposals, the draft Schedule of Rates for the year 2009-10 was reviewed and finalized in the annual Board of Chief Engineers meeting held on 14-7-2009.

The Procedure for the adoption of Irrigation work items is incorporated in the Annexure-A.

One hard copy & compact disc containing Schedule of Rates are communicated. No other items other than the items communicated by this Office shall be introduced in the S.R.

The Heads of Department and Officers mentioned below are authorized to print the Schedule of Rates for the year 2009-10. The unauthorized printing & selling of the SR is strictly prohibited. The Schedule of Rates for 2009-10 will be in force until the new SR comes in to force.

The revised rates will come into force from 1st June of 2009.

The receipt of the proceedings may be acknowledged.

Encl: Annexure-A.

Sd/-M.K.Rahaman,24/7/09
Engineer-in-Chief (I.W.)
Chairman, BOCE(S.R)

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 2009-10 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.

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) 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, and VAT as additional.
- 3) 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.
- 4) 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.**
- 5) Any discrepancies / corrections required for improper basic input data appearing in the approved data's of Irrigation work items in the software package may be brought to the notice of undersigned for issuing corrections.

Sd/-M.K.Rahaman,24/7/09
Engineer-In-Chief (IW)
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:

15% 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, Dhoni, 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 within the interior Agency / Tribal limits, i.e. for the works located within & upto 16 KMs from any all weather route inside Agency / Tribal.
- b) 40% extra is allowed for the works located within 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 1.5 times or more than the width	...	120% extra
IV) Silt removal in restricted areas such as U. T's., Culverts and Syphons.	...	120% extra
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 of road boundary drains, model sections of canals.	...	75% extra
VII) High berm cutting of not more than 150 mm average thickness and sectioning for roads	...	50% extra

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.217 (industries and commerce department), dated 29. 9.2004 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 2009-10
1	2	3
I.	SKILLED CATEGORY:	
1	Bar bender	224.00
2	Black smith / Tin smith / Rivetor	224.00
3	Blaster (Licensed)	224.00
4	Carpenter CI- I	224.00
5	Electrician (Licensed)	224.00
6	Fitter CI- I	224.00
7	Floor Polisher / Tile Layer	224.00
8	Foreman	224.00
9	Gauge reader	206.00
10	Maistry / Work Inspector with Non-technical Qualification SSLC/SSC/HSC	206.00
11	Mason CI- I / Brick layer CI- I	224.00
12	Mechanic CI- I	224.00
13	Operator Air compressor / DG set	224.00
14	Operator Batching plant	224.00
15	Operator Bus/Ambulance/ Lorry/ Tanker	215.00
16	Operator Concrete / Asphalt mixer	224.00
17	Operator Concrete / Asphalt paver	224.00
18	Operator Concrete pump / Placer/ ice plant	224.00
19	Operator Core drilling machine	224.00
20	Operator Crane/ Tower crane/ Cable way	224.00
21	Operator Drilling jumbo / Loco / Winch	224.00
22	Operator Grouting/ Guniting/ Shotcreting	224.00
23	Operator Jackhammer/Pneumatic tamper	224.00
24	Operator Pump / Ventilation fan	224.00

SI No.	CATEGORY OF WORKER	S. Rate for 2009-10
1	2	3
25	Operator Lathe/Drilling/Shearing machine	224.00
26	Operator Bending / Planing machine	224.00
27	Operator Road roller	198.00
28	Operator Shovel / Scraper / Dozer	224.00
29	Operator Spillway / Sluice gate	224.00
30	Operator Crusher / Conveyor / Mucker	224.00
31	Operator Tipper / Dumper / Transit mixer	241.00
32	Operator Concrete vibrator	224.00
33	Operator Vibratory plain / pad foot roller	224.00
34	Operator Wagon drill / Drifter	224.00
35	Painter CI- I	224.00
36	Plumber (Licensed) / Pipe fitter	224.00
37	Sarang / Khalasi	224.00
38	Spun pipe moulder	224.00
39	Stone chiseller CI- I / Stone cutter CI- I	224.00
40	Struct. steel Fabricator / Marker / Erector	224.00
41	Welder / Gas Cutter	224.00
42	Welder (X-ray quality)	224.00
II.	SEMI SKILLED CATEGORY:	
1	Asphalt Sprayer / Boiler attendant	206.00
2	Bhisti	206.00
3	Boatman with boat	215.00
4	Carpenter CI- II / Erector shuttering	206.00
5	Cartman with double bullock cart	223.00
6	Cartman with single bullock cart	241.00
7	Chavali / Navagani	206.00
8	Crowbarman / Jumper man	206.00

SI No.	CATEGORY OF WORKER	S. Rate for 2009-10
1	2	3
9	Fitter CI- II	206.00
10	Gang man / Head / Survey mazdoor	206.00
11	Gardener / Trained mali	206.00
12	Helper Air compressor / DG set	206.00
13	Helper Batching plant	206.00
14	Helper Blasting	206.00
15	Helper Bus/ Ambulance/ Lorry/ Tanker	206.00
16	Helper Bending/Shearing/Planing machine	206.00
17	Helper Carpenter	206.00
18	Helper Concrete / Asphalt mixer	206.00
19	Helper Concrete / Asphalt paver	206.00
20	Helper Core drilling machine	206.00
21	Helper Crane/ Tower crane/ Cable way	206.00
22	Helper Drilling jumbo / Loco / Winch	206.00
23	Helper Fitter / Fabrication	206.00
24	Helper Grouting/ Guniting/ Shotcreting	206.00
25	Helper Jack hammer / Pneumatic tamper	206.00
26	Helper Laboratory / Instrumentation	206.00
27	Helper Road roller	206.00
28	Helper Shovel / Scraper / Dozer	206.00
29	Helper Crusher / Conveyor / Mucker	206.00
30	Helper Tipper / Dumper/ Transit mixer	206.00
31	Helper Vibrator	206.00
32	Helper Vibratory plain/ pad foot roller	206.00
33	Helper Wagon drill/ Drifter	206.00
34	Lineman Electric / Telephone	206.00
35	Mason CI- II / Brick layer CI-II	206.00

SI No.	CATEGORY OF WORKER	S. Rate for 2009-10
1	2	3
36	Mechanic CI- II	206.00
37	Painter CI- II	206.00
38	Patkari / Neeraganti / Sowdy	206.00
39	Stone Chiseller CI- II	206.00
40	Stone breaker / Hammer man	206.00
41	Valve man / Canal sluice operator	206.00
III.	UN-SKILLED CATEGORY:	
1	Cement / Asphalt handling mazdoor	170.00
2	Civic worker	170.00
3	Heavy mazdoor	170.00
4	Light mazdoor	170.00
5	Watchman	170.00
IV.	OTHER CATEGORY:	
1	Care-taker / conductor / Lift attender	206.00
2	Cook / Mess man	206.00
3	Dhobi	206.00
4	Diploma Engineer / Surveyor	300.00
5	Diver with headgear	250.00
6	Graduate / Laboratory Assistant	250.00
7	Graduate Engineer/ Geologist	350.00
8	Horticulture Assistant / Photographer	210.00
9	ITI certificate holder / Tracer / Printer	250.00
10	Literate mazdoor	206.00
11	Stenographer / Computer Operator	250.00
12	Telephone / Wireless Operator	250.00
13	Typist / Job Typist	250.00

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 limits only.

**BASIC INPUT DATA
FOR
IRRIGATION WORK ITEMS**

STATEMENT OF RATES FOR MATERIALS**FOR THE YEAR : 2009-10****GENERAL GUIDE LINES FOR REVISING RATES OF MATERIALS:**

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

The rates provided for useful rubble / stone chips from excavation shall be at dump yard.

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2009-10
1	2	3	4
1	Acetylene gas	cum	240.00
2	Asphalt 80/ 100 Grade	Kg	30.00
3	Binding wire	Kg	50.00
4	Burnt stone slab 10 cm thick	sqm	200.00
5	Cement 43 Gr (including loading charges)	tonne	4,300.00
6	Chequered plate	Kg	35.00
7	Coarse aggregate 10-4.75 mm(including seigniorage charges)	cum	745.00
8	Coarse aggregate 20-10 mm(including seigniorage charges)	cum	1,020.00
9	Coarse aggregate 40-20 mm(including seigniorage charges)	cum	970.00
10	Coarse aggregate 80-40 mm(including seigniorage charges)	cum	555.00
	The aggregate rates mentioned above (from sl.no.7 to sl.no10) are inclusive of seigniorage charges of Rs.45/ 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	20.00
12	Copper sheet 16 SWG	kg	390.00
13	Coursed rubble stone 30 x 30 x 45 cm(including seigniorage charges)	Each	12.00
14	Coursed rubble stone 30 x 30 x 60 cm(including seigniorage charges)	Each	14.00

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2009-10
1	2	3	4
15	Curing Compound	ltr	90.00
16	D - cord	Rm	9.00
17	Delay - noiseless trunk	Each	18.00
18	Detonating fuse coil	Rm	6.50
19	Detonating shock tube / Cord relays	Rm	50.00
20	Detonator delay type	Each	17.00
21	Detonator electric	Each	10.00
22	Detonator ordinary	Each	5.00
23	Empty cement bag	Each	3.00
24	Explosive ANFO	kg	25.00
25	Explosive ANFO high strength booster	kg	55.00
26	Explosive small dia (Kelvex-220 or equivalent)	kg	48.00
27	Fine aggregate / sand (unscreened)(including seigniorage charges)	cum	120.00
28	Fine aggregate / sand (screened)(including seigniorage charges)	cum	250.00
29	Geo-textile (filter fabric) 160 gsm	sqm	75.00
30	Geo-textile (filter fabric) 200 gsm	sqm	90.00
31	Geo-textile (filter fabric) 250 gsm	sqm	110.00
32	G I Pipe 100 mm dia B Class	Rm	500.00
33	G I Pipe 15 mm dia A class	Rm	68.00
34	G I pipe 25 mm dia A class	Rm	100.00
35	G I pipe 40 mm dia B class	Rm	170.00
36	G I pipe 50 mm dia A class	Rm	190.00
37	G I Pipe 80 mm dia B Class	Rm	260.00
38	G.I Bolts / Nuts and Washers	kg	72.00
39	G.I sheet (plain)	tonne	42,000.00
40	Hariyala turfing sods	sqm	20.00
41	Hectometer stone one line dressed	Each	160.00

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2009-10
1	2	3	4
42	Hemp yarn	kg	50.00
43	Honne wood planks	cum	40,000.00
44	Hume pipe with collar 150 mm dia	Rm	200.00
45	Hume pipe with collar 300 mm dia	Rm	400.00
46	J- Bolts 30 cm long	Each	19.00
47	Jungle wood planks	cum	16,000.00
48	Khandki stone 15 to 20 cm height	Each	6.00
49	Khandki stone 20 to 25 cm height	Each	8.00
50	Khandki stone 25 to 30 cm height	Each	10.00
51	Kilometer stone one line dressed	Each	300.00
52	LDPE sheet (Geo membrane) 500 micron thick	sqm	60.00
53	LDPE sheet (Geo membrane) 750 micron thick	sqm	90.00
54	LDPE sheet (Geo membrane) 1000 micron thick	sqm	120.00
55	M S Bolts / Nuts / Washers	kg	45.00
56	Murum(including seigniorage charges and loading charges)	cum	65.00
57	Oxalic acid	ltr	50.00
58	Oxygen gas	cum	35.00
59	PVC sealing strip	Rm	32.00
60	PVC water stopper 310 mm wide	Rm	365.00
61	PVC pipe of 100 mm dia	Rm	130.00
62	Reinforcement steel (including loading charges) (HYSD/TMT)	tonne	31,000.00
63	Resin bond Cement capsule	Each	50.00
64	Rough stone 20 x 20 x 75 cm (Including Seigniorage Charges)	Each	10.00
65	Shahabad stone slab (including seigniorage charges and loading charges)	sqm	160.00
66	Stone chips (at dump yard / Spoil)(including seigniorage charges and loading charges)	cum	150.00
67	Stone chips (at quarry)(including seigniorage charges and loading	cum	250.00

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2009-10
1	2	3	4
	charges)		
68	Structural steel angle / channel / beam / bars (including loading charges)	tonne	32,000.00
69	Structural steel plate / flats (including loading charges)	tonne	34,500.00
70	Super Plasticizer (Conplast RP-264 or equivalent)	kg	47.00
71	Synthetic Enamel paint 1st quality	ltr	150.00
72	Synthetic adhesive (Resin + Hardener)	Kg	155.00
73	Tar felt joint filler board 12 mm thick	sqm	310.00
74	Tar felt joint filler board 20 mm thick	sqm	500.00
75	Through stones 20 x 20 x 30 to 45 cm long(including seigniorage charges and loading charges)	Each	15.00
76	Through stones 25 x 25 x 45 to 60 cm long(including seigniorage charges and loading charges)	Each	25.00
77	Through stones 30 x 30 x 65 to 75 cm long(including seigniorage charges and loading charges)	Each	35.00
78	Un-coursed rubble stones (at dump yard /Spoil)(including seigniorage charges and loading charges)	cum	130.00
79	Un-coursed rubble stones (at quarry)(including seigniorage charges and loading charges)	cum	220.00
80	Water proofing compound	kg	50.00
81	Welding electrodes 4 mm dia	Each	9.00
82	Wire brush	Each	30.00
83	Wire mesh 20 gauge	sqm	150.00
84	Zinc chromate red oxide primer paint	ltr	80.00
85	inorganic zinc silicate	ltr	400.00
86	solvent less coal tar epoxy paint	ltr	150.00
87	Zinc phosphate primer	ltr	140.00
88	Allkyd based iron oxide paint	ltr	110.00
89	cost of hdpe /light black MS casing pipe (150 mm Dia)	Rm	480.00

ADDITIONAL MATERIALS FOR GATES & HOISTS**FOR THE YEAR : 2009-10****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.

	Basic metal / kg	Casting / machining or forging / kg	Excise duty on (1 + 2) %	Total rate / (1+2+3) kg
	1	2	3	4
Cast steel components :(Basic metal - steel)	17.00	56.25	13.19	100
Wheel / Pulley / Hub / Plummer / Roller	17.00	64.69	14.7	95
Drum / Gear	17.00	73.13	16.22	105
Pinion				
Forged steel components : (Basic metal - structural steel				
Hook / Shackle	24.00	84.38	19.51	130
Alloy steel components : (Basic metal - alloy steel)				
Shaft (carbon steel)	60.00	61.88	21.94	145
Pin (stainless steel)	80.00	67.5	26.55	175
Bronze, aluminum alloy components : (Bronze alloy)				
Bearing / Bush	175.00	146.25	57.83	

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 2009-10
1	2	3	4
1	Alloy steel (IS : 1570-carbon steel) shafts	kg	120.00
2	Alloy steel (IS : 1570-stainless steel) pins	kg	235.00
3	Bolt / Nut / Washer (hot dipped galvanized)	kg	85.00
4	Bolt / Nut / Washer (stainless steel)	kg	190.00
5	Bronze/Aluminum alloy(IS:305)bearings/bushes	kg	500.00
6	Cast iron blocks	kg	50.00
7	Cast steel drums / gears	kg	100.00
8	Cast steel pinions	kg	145.00
9	Cast steel wheels / pulleys / hubs / rollers / retainers	kg	100.00
10	Chemical for de-greasing/ derusting/phosphate coating	ltr	90.00
11	Coal tar epoxy paint	ltr	118.00
12	Forged steel hooks / shackles	kg	160.00
13	MS pipe 200 / 300 mm dia	kg	105.00
14	MS pipe 32 mm dia	Rm	120.00
15	MS pipe 25 mm dia	Rm	100.00
16	Rubber bottom seal (IS : 11855)	Rm	500.00
17	Rubber side seal (music note type Teflon claded) (IS : 11855)	Rm	950.00
18	Rubber side seal (music note type uncladed) (IS : 11855)	Rm	750.00
19	Rubber side seal Z-type (IS : 11855)	Rm	1,650.00
20	Rubber corner seal (teflon claded) (IS : 11855)	Rm	1,950.00
21	Rubber corner seal (un claded) (IS : 11855)	Rm	1,750.00
22	Stainless steel plates / flats	kg	150.00
23	Welding electrode 4 mm dia x 450 mm (radiographic low hydrogen)	Each	9.00
24	Welding electrode 4 mm dia x 450 mm (stainless steel)	Each	13.75

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2009-10
1	2	3	4
25	Wire rope 6x37 constn (IS : 2266)	kg	100.00
26	Zinc	kg	110.00
27	Zinc rich (zinc content : 90 %) epoxy primer	ltr	350.00

MATERIALS FOR POWER SUPPLY WORKS**FOR THE YEAR : 2009-10**

SI No.	Description of Material	Unit	S. Rate for 2009-10
1	Electric pole with fixtures	Each	3,000.00
2	Flood light 500 W	Each	250.00
3	Flood light set	Each	1,800.00
4	Flousscent tube light 40 W	Each	45.00
5	Flousscent tube light set	Each	300.00
6	HT / LT Circuit breaker with accessories	Set	198,000.00
7	HT / LT Line conductor	1000 m	14,500.00
8	PVC Armoured cable 10 sqmm and below	Rm	165.00
9	PVC Armoured cable 16 sqmm	Rm	245.00
10	PVC Armoured cable 25 sqmm	Rm	325.00
11	PVC Armoured cable 70 sqmm	Rm	550.00

DETAILS OF CAPITAL COST OF MACHINERY / EQUIPMENT**FOR THE YEAR : 2009-10****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.

SI No:	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2009-10
1	2	3	4
1	Agitator car / Transit mixer 2 cum (excluding tyres)	Each	1,640,000
	tyres and tubes 6 sets		60,000
2	Air compressor 5 cmm electric	Each	420,000
3	Air compressor 7 cmm diesel	Each	620,000
4	Air compressor 7 cmm electric	Each	600,000
5	Air compressor 8.5 cmm diesel	Each	720,000
6	Air compressor 8.5 cmm electric	Each	680,000
7	Air compressor 15 cmm electric	Each	900,000
8	Angle Dozer 90 hp	Each	3,700,000
9	Batching plant 0.5 cum with accessories	Each	925,000
10	Batching plant 2 x 1.00 cum with accessories	Each	2,450,000

SI No:	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2009-10
1	2	3	4
11	Batching plant 2 x 1.50 cum with accessories	Each	3,100,000
12	Bending machine	Each	175,000
13	Clamp shell and hoisting ropes	Each	20,000
14	Concrete bucket 1.5 cum	Each	40,000
15	Concrete hand mixer 45/30 ltr	Each	10,000
16	Concrete mixer 300/200 ltr(diesel)	Each	110,000
17	Concrete mixer 300/200 ltr (electric)	Each	100,000
18	Concrete mixer 600/400 ltr(diesel)	Each	185,000
19	Concrete mixer 600/400 ltr (electric)	Each	155,000
20	Concrete paver 100 Sqm / hr	Each	1,650,000
21	Convey mucker (excluding tyres)	Each	2,840,000
	tyres and tubes 6 sets		60,000
22	Core drilling machine	Each	770,000
23	Diesel generating set 30 KVA	Each	330,000
24	Diesel generating set 50 KVA	Each	430,000
25	Diesel Loco 45 hp	Each	1,200,000
26	Dewatering pump 5 hp diesel	Each	29,000
27	Dewatering pump 5 hp electric	Each	15,000
28	Dewatering pump 10 hp diesel	Each	45,000
29	Dewatering pump 10 hp electric	Each	23,000
30	Dewatering pump 20 hp diesel	Each	120,000
31	Dewatering pump 20 hp electric	Each	43,000
32	Drifter	Each	627,000
33	Drilling jumbo (excluding tyres)	Each	915,000
	tyres and tubes 6 sets		60,000
34	Dumper 4.5 cum (excluding tyres)	Each	840,000

SI No:	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2009-10
1	2	3	4
	tyres and tubes 6 sets		60,000
35	Geophysical Ele.resistivity meter	Each	275,000
36	Grouting pump	Each	70,000
37	Guniting / sand blasting equipment	Each	189,000
38	Ice plant with accessories 30 t / day	Each	1,650,000
39	Jack hammer	Each	39,000
40	Needle vibrator 40 mm petrol	Each	13,500
41	Needle vibrator 40 mm electric	Each	15,500
42	Needle vibrator 60 mm petrol	Each	14,000
43	Needle vibrator 60 mm electric	Each	18,000
44	Planing machine 4 m stroke	Each	527,000
45	Plate shearing machine up to 12 mm	Each	281,000
46	Pneumatic placer 0.5 cum	Each	400,000
47	Pneumatic tamper	Each	48,500
48	Pug cutting machine	Each	13,000
49	Pusher leg	Each	30,000
50	Road roller diesel 10 t	Each	600,000
51	Shovel 0.50 cum 75 hp	Each	2,300,000
52	Shovel 0.85 cum 110 hp	Each	3,900,000
53	Stationery derrick crane 5 t	Each	450,000
54	Tipper 5 cum (excluding tyres)	Each	1,140,000
	tyres and tubes 6 sets		60,000
55	Tipping tub 1.5 cum	Each	110,000
56	Tower crane 5 tonne	Each	5,500,000
57	Transformer 250 KVA	Each	290,000
58	Truck 10 t (excluding tyres)	Each	840,000

SI No:	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2009-10
1	2	3	4
	tyres and tubes 6 sets		60,000
59	Truck mounted derrick crane 5 t (excluding tyres)	Each	1,440,000
	tyres and tubes 6 sets		60,000
60	Upright drilling machine	Each	40,000
61	Ventilation fan 20 hp	Each	125,000
62	Vibratory pad foot roller 8 t	Each	1,800,000
63	Wagon drill	Each	450,000
64	Water tanker 8000 ltr (excluding tyres)	Each	840,000
	tyres and tubes 6 sets		60,000
65	Welding set	Each	35,000
66	Winch 35 hp electric	Each	256,000

ACCESSORIES TO MACHINERY / EQUIPMENT FOR THE YEAR : 2009-10

SI No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2009-10
1	2	3	4
1	Casing shoe bit	Each	7,500
2	Diamond core bit BX size	Each	9,000
3	Diamond core bit NX size	Each	14,000
4	Double tube core barrel	Each	10,000
5	Extension drill rod with coupling sleeve	Rm	1,500
6	Jack hammer drill rod 1.5 m	Each	3,000
7	Jack hammer drill rod 2.5 m	Each	5,000
8	Nozzle for Guniting / sand blasting gun	Each	500
9	Paving Cylinder	Each	20,000
10	Rails 30R (30 kg / m)	tonne	33,000
11	Reamer shell	Each	3,500
12	T.C.Cross bit 50 mm dia	Each	4,500
13	T.C.Cross bit 75 mm dia	Each	7,500
14	T.C.Cross bit 100 mm dia	Each	9,500
15	Tyres and Tubes for truck	Set	12,500
16	Wire rope 16 mm dia	Rm	150
17	Excavation of drain with Excavator	cum	20

AGGREGATE CRUSHING & PROCESSING PLANT

SI No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2009-10
1	2	3	4
1	Jaw crusher 900 x 500 mm (120 tph) with 50 hp motor	Each	1,400,000
2	Jaw crusher 500 x 300 mm (60 tph) with 30 hp motor	Each	800,000
3	Jaw crusher 400 x 225 mm (10 tph) with 25 hp motor	Each	400,000
4	Jaw plates 900 x 500 mm (serreted)	Set	100,000
5	Jaw plates 500 x 300 mm (serreted)	Set	44,000
6	Jaw plates 400 x 225 mm (serreted)	Set	30,000
7	Nylon Conveyor belt 3 ply 600 mm width	Rm	1,500
8	Nylon Conveyor belt 3 ply 1000 mm width	Rm	2,500

OTHER COSTS ON MATERIAL / MACHINERY / EQUIPMENT FOR THE YEAR : 2009-10

- 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 2009-10
1	2	3	4
1	Air hose 25 mm dia	Rm	100.00

SI No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2009-10
1	2	3	4
2	Air hose 50 mm dia	Rm	200.00
3	Demand charges (HT-2B) on power supply	KVA / month	195.00
4	Diesel	ltr	36.00
5	Electric power (HT-2B category) including tax	Kwhr	4.30
6	Excise duty on Gates / Hoist supplies	%	0.0%
7	Insurance charges on machinery	% / annum	1.00%
8	Interest on capital cost	% / annum	12.00%
9	Lubricants	ltr	182.00
10	Petrol	ltr	50.00
11	Rivets	kg	70.00
12	Road tax on transport vehicles	Rs./annum	13,000.00
13	Shalimastic sealing compound	kg	60.00
14	Shutter oil	ltr	45.00
15	Structural steel fabrication	kg	12.00
16	Sundries (Lump sum for un quantified inputs)	LS	30.00
17	Water hose (pressure) 20 mm dia	Rm	150.00
18	Steel wedges	LS	10.00
19	Elbows / Nipple / Plugs etc.,	LS	10.00
20	Soldering materials	LS	10.00
21	Steam circulation arrangement	LS	10.00
22	Fuel charges (gas for heating)	LS	10.00
23	Vulcanizing materials	LS	10.00
24	Other accessories / controls / junctions	LS	10.00
25	Miscellaneous fittings / switches etc	LS	10.00
26	Anchors / supports for cables / lights	LS	10.00
27	Civil works for foundations / pedestals / duct etc	LS	10.00

SI No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2009-10
1	2	3	4
28	Gas cutting set (2 No's 15 m hose and nozzle unit)	EACH	9,500.00
29	Grease	Kg	135.00
30	Welding holder set (cable / holder / gloves / mask etc)	EACH	4,400.00
31	Use rate of ropes	LS	100.00

MATERIALS FOR GATES AND HOISTS**FOR THE YEAR : 2009-10**

SI No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2009-10
1	Worm reducers	EACH	150,000
2	Electric motor 20 hp(Double Shaft)	EACH	80,000
3	Electric motor 17.5 hp(Double Shaft)	EACH	55,000
4	Electric motor 12.5 hp(Double Shaft)	EACH	45,000
5	Electric motor 5 hp(Double Shaft)	EACH	25,000
6	Electric motor 3 hp (Double Shaft)	EACH	17,000
7	Electric motor 2 hp (Double Shaft)	EACH	8,500
8	Floating shaft 300 mm dia	Kg	120
9	Manual operating system	EACH	20,000
10	Gate position indicator	EACH	115,000
11	Ele-magnetic brake	EACH	21,000
12	Electric cable / switch / control panel etc	LS	25,000
13	Wire rope sockets	EACH	2,500

Other "Over Heads" to be added in the Basic Data wherever applicable for Irrigation Work Items for the year 2009-10

Sl.No	Description	%	Category of works
1	Add for Contractors' Overheads and profit including Labour importation	14%	General
2	VAT @	4%	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 @	5.0%	Tunnel & Allied Works
23	Add for conveyor system @	3%	Dam & Allied Works
24	Add for electric sub-station / Demand charges @	3%	Dam & Allied Works
25	Add for trestle bridge for tower crane truck @	4%	Dam & Allied Works

Materials other than covered under irrigation**For the year 2009-10**

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
M-002	Quarried stone 150 - 200 mm size for Hand Broken (Excluding lead charges)	cum	120
M-003	Boulder with minimum size of 300 mm for Pitching	cum	140
M-004	Coarse Sand for filling(Including seigniorage charges)	cum	100
M-005	Coarse sand for Mortar (Including Seigniorage Charges)	cum	120
M-006	Fine sand (including seigniorage charges)	cum	Rate as per item no.28 , material rates of Irrigation
M-007	Moorum (including seigniorage charges)	cum	Rate as per item no.56 , material rates of Irrigation
M-008	Gravel/Quarry spall	Cum	65
M-009	Granular Material or hard murrum for GSB works	Cum	65
M-010	Granular Material or hard murrum for GSB works	Cum	
M-011	Fly ash conforming to IS: 3812 (Part II & I)	Cum	40
M-012	Filter media/Filter Material as per Table 300-3 (MoRT&H Specification)	Cum	300
M-013	Close graded Granular sub-base Material 53 mm to 9.5 mm	cum	600
M-014	Close graded Granular sub-base Material 37.5 mm to 9.5 mm	cum	620
M-015	Close graded Granular sub-base Material 26.5 mm to 9.5 mm	cum	640
M-016	Close graded Granular sub-base Material 9.5 mm to 4.75 mm	cum	540
M-017	Close graded Granular sub-base Material 9.5 mm to 2.36 mm	cum	530
M-018	Close graded Granular sub-base Material 4.75mm to 2.36 mm	cum	470

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
M-019	Close graded Granular sub-base Material 4.75mm to 75 micron mm		450
M-020	Close graded Granular sub-base Material 2.36 mm	cum	450
M-021	Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.	cum	250
M-022	Coarse graded Granular sub-base Material 2.36 mm & below	cum	410
M-023	Coarse graded Granular sub-base Material 4.75mm to 75 micron mm		440
M-024	Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm	cum	440
M-025	Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm	cum	515
M-026	Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm	cum	560
M-027	Coarse graded Granular sub-base Material 26.5 mm to 9.5 mm	cum	610
M-028	Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm	cum	620
M-029	Coarse graded Granular sub-base Material 53 mm to 26.5mm	cum	760
	The aggregate rates mentioned below (from M030 to M055) are inclusive of seigniorage charges of Rs.45/ 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)		
M-030	Aggregates below 5.6 mm	cum	500
M-031	Aggregates 22.4 mm to 2.36 mm	cum	800
M-032	Aggregates 22.4 mm to 5.6 mm	cum	900
M-033	Aggregates 45 mm to 2.8 mm	cum	625
M-034	Aggregates 45 mm to 22.4 mm	cum	970
M-035	Aggregates 53 mm to 2.8 mm	cum	800
M-036	Aggregates 53 mm to 22.4 mm	cum	760
M-037	Aggregates 63 mm to 2.8 mm	cum	620
M-038	Aggregates 63 mm to 45 mm	cum	590
M-039	Aggregates 90 mm to 45 mm	cum	555

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
M-040	Aggregates 10 mm to 5 mm	cum	745
M-041	Aggregates 11.2 mm to 0.09 mm	cum	625
M-042	Aggregates 13.2 mm to 0.09 mm	cum	700
M-043	Aggregates 13.2 mm to 5.6 mm	cum	800
M-044	Aggregates 13.2 mm to 10 mm	cum	890
M-045	Aggregates 20 mm to 10 mm	cum	1020
M-046	Aggregates 25 mm to 10 mm	cum	980
M-047	Aggregates 19 mm to 6 mm	cum	900
M-048	Aggregates 37.5 mm to 19 mm	cum	955
M-049	Aggregates 37.5 mm to 25 mm	cum	940
M-050	Aggregates 6 mm nominal size	cum	650
M-051	Aggregates 10 mm nominal size	cum	815
M-052	Aggregates 13.2/12.5 mm nominal size	cum	975
M-053	Aggregates 20 mm nominal size	cum	1170
M-054	Aggregates 25 mm nominal size	cum	1150
M-055	Aggregates 40 mm nominal size	cum	740
M-056	AC pipe 100 mm dia	metre	Rate as per PH item
M-057	Acrylic polymer bonding coat	litre	350
M-058	Aluminum Paint	litre	255
M-059	Aluminum alloy plate 2mm Thick	sqm	260
M-060	Aluminum alloy/Galvanised steel	tonne	48,000
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	700
M-062	Aluminum studs 100 x 100 mm fitted with lens reflectors	No's	3,000
M-063	Barbed wire	kg	59
M-064	Bearing (Cost of parts)	No's	430

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
M-065	Bearing (Cast steel rocker bearing assembly of 250 tonne)	No's	600
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,)	Cu.cm	0.5
M-067	Bearing (Forged steel roller bearing of 250 tonne)	No's	As per Market Competitive rates.
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	5
M-072	Binding wire	kg	Rate as per item no.3 , material rates of Irrigation
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	22,480
M-075	Bitumen (80-100 grade) (Excluding taxes)	tonne	21,680
M-076	Bitumen (Cutback)	tonne	As per rates fixed by R&B Dept based on refinery rates
M-077	Bitumen (emulsion)(Excluding taxes)	tonne	23,996
M-078	Bitumen (modified graded)	tonne	As per rates fixed by R&B Dept based on refinery

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
			rates
M-079	Brick	each	As per Building SSR
M-080	C.I. shoes for the pile	kg	40
M-081	Cement	tonne	Rate as per item no.5 , material rates of Irrigation
M-082	Cold twisted bars (HYSD/TMT Bars)	tonne	Rate as per item no.62 , material rates of Irrigation
M-083	Collar for joints 300 mm dia	No's	123
M-084	Compressible Fibre Board(20mm thick)	sqm	400
M-085	Connectors/ Staples	each	60
M-086	Copper Plate(12m long x 250mmwide)	kg	370
M-087	Corrosion resistant Structural steel	tonne	50,000
M-088	Corrugated sheet, 3 mm thick, "Thrie" beam section railing	kg	150
M-089	Credit for excavated rock found suitable for use	cum	100
M-090	Curing compound	liter	Rate as per item no.15 , material rates of Irrigation
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	cum	25
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	1,000

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
M-095	Epoxy compound with accessories for preparing epoxy mortar	kg	250
M-096	Epoxy mortar	kg	80
M-097	Epoxy primer	kg	460
M-098	Epoxy resin-hardner mix for prime coat	kg	480
M-099	Flag of red color cloth 600 x 600 mm	each	20
M-100	Flowering Plants	each	25
M-101	Galvanised MS flat clamp	No's	150
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	130
M-103	Galvanised structural steel plate 200 mm wide, 6 mm thick, 24 m long	kg	700
M-104	Gelatin 80%	kg	500
M-105	Geo grids	sqm	As per local competitive quotations
M-106	Geo membrane	sqm	rate covered from sl.no.52 to 54 of material items of Irrigation
M-107	Geo nets	sqm	As per local competitive quotations
M-108	Geo textile	sqm	rate covered from sl.no.29 to 31 of material items of Irrigation
M-109	Geo textile filter fabric	sqm	As per local competitive quotations
M-110	GI bolt 10 mm Dia	No's	16
M-111	Grouting pump with agitator	hour	Rate covered

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
			in hire charges of machinery of Irrigation items
M-112	Grass (Doob)	kg	3
M-113	Grass (Fine)	kg	4
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	65
M-122	LDO for steam curing	litre	45
M-123	M.S. Clamps	No's	150
M-124	M.S. Clamps	kg	600
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	31,000
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	metre	Rate as per local competitive

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
	beams, two central beams, chloroprene seal, anchorage elements, support and control system, all steel sections protected against corrosion and installed by the manufacturer or his authorised representative		quotations
M-129	Nipples 12mm	No's	12
M-130	Nuts and bolts	kg	60
M-131	Paint	litre	180
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	100
M-137	Pipes 200 mm dia, 2.5 m long for drainage	metre	300
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	190
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	40
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	90
M-147	Quick setting compound	kg	320
M-148	Random Rubble Stone	cum	200
M-149	RCC Pipe NP 4 heavy duty non pressure pipe 1000 mm dia	metre	Rate as per

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
M-150	RCC Pipe NP 4 heavy duty non pressure pipe 1200 mm dia	metre	PH items
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 competitive quotations
M-153	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Copper Strips)	metre	
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	3
M-159	Sand bags (Cost of sand and Empty cement bag)	No's	13
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	50
M-162	Seeds	kg	12
M-163	Selected earth	cum	60
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	10
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	1,600

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
M-169	Square Rubble Coursed Stone	cum	1,600
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	700
M-173	Steel helmet and cushion block on top of pile head during driving.	kg	1,500
M-174	Steel pipe 25 mm external dia as per IS:1239	metre	200
M-175	Steel pipe 50 mm external dia as per IS:1239	metre	400
M-176	Steel wire rope 20 mm	kg	130
M-177	Steel wire rope 40 mm	kg	150
M-178	Strip seal expansion joint	metre	Rate as per local competitive quotations
M-179	Structural Steel(HYSD/TMT bars)	tonne	31,000
M-180	Super plasticizer admixture IS marked as per 9103-1999	kg	Rate as per item no.70 , material rates of Irrigation
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	each	rate covered from sl.no.75 to 77 of material items of Irrigation
M-183	Tie rods 20mm diameter	No's	30
M-184	Tiles size 300 x 300 mm and 25 mm thick	each	As per

Sl. No.	Description	Unit	S. Rate for 2009-10
1	2	3	4
M-185	Timber	cum	Building SSR
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	1,800
M-189	Water	KL	50
M-190	Water based cement paint	litre	80
M-191	Welded steel wire fabric	kg	105
M-192	Wire mesh 50mm x 50mm size of 3mm wire	kg	175
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	900
M-196	Wooden staff for fastening of flag 25 mm dia, one m long	each	50
Item 8.3	Printing new letter and figures of any shade <u>(ii)</u> English Roman	per cm height per letter	1.00
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	

BUILDING ITEMS

(The Schedule of Rates will be
finalised by
the Committee constituted vide
G.O.Rt.No.471 TR&B(R1) Dept
Dt.20-4-2007)

PUBLIC HEALTH ITEMS

PUBLIC HEALTH ITEMS

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
1	RATES OF LABOUR (SKILLED WORKMEN)		
	1. Caulker	Per Day	As per Labour rates of SR
	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 SSR is applicable for occasional employment.		
2	RATES FOR EARTH WORK :		
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.		
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.		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
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 up to 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 up to 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)		
	DIAMETER OF PIPE/Fittings in mm :		To follow as per AP. Standard data
	80mm to 1000mm dia		
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)		
	DIAMETER OF PIPE/Fittings in mm :		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
	80mm to 750mm dia		To follow as per AP. Standard data
	800	Per Metre	328.20
	900	Per Metre	426.60
	1000	Per Metre	554.60
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 :		
	80mm to 800mm		To follow as per AP. Standard data
	900	Each Joint	9440.00
	1000	Each Joint	10545.00
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 :		
	80mm to 1000mm dia		To follow as per AP. Standard data
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 :		
	80mm to 750mm dia		To follow as per AP. Standard data
	800	Each Joint	3920.00
	900	Each Joint	4610.00
	1000	Each Joint	5310.00
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 up to 500 meters excluding cost of rubber rings as per BIS No.783/85.		
	per every 25 mm dia.	Per Metre	11.22
11b	Lowering the RCC S/S pipes carefully into the trenches laying them true to alignment and gradient, jointing with rubber rings and		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
	testing including filling with water with a water lead up to 500 meters <u>including cost of rubber rings</u> as per BIS No. 783/1985		
	per every 25 mm dia.	Per Metre	
	80mm to 600mm		To follow as per AP. Standard data
	700		181.00
	800		217.00
	900		260.00
	1000		312.00
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 :		
	DIA in mm		
	15mm to 150mm	Per Metre	To follow as per AP. Standard data
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	17.38
	40	Per Metre	17.38
	32	Per Metre	16.94
	25	Per Metre	15.84
	20	Per Metre	14.52
	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) Including cost of pipe& jointing materials		
	<u>DIA of Pipes in mm .</u>		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
	100mm to 450mm	Per Metre	To follow as per AP. Standard data
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		
	DIA of Pipes in mm .		
	63mm to 315mm	Per Metre	To follow as per AP. Standard data
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	22.00
	75	Per Metre	24.00
	90	Per Metre	27.00
	110	Per Metre	31.00
	125	Per Metre	37.00
	140	Per Metre	40.00
	160	Per Metre	43.00
	180	Per Metre	47.00
	200	Per Metre	51.00
	225	Per Metre	56.00
	250	Per Metre	60.00
	280	Per Metre	66.00
	315	Per Metre	131.00
	355	Per Metre	145.00
	400	Per Metre	162.00
	450	Per Metre	180.00
	NOTE:- For item 9 to 16 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,		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
	rubber insertion, sluice valve and tail pieces		
	<u>Dia of Valve in mm.</u>		
	80mm to 450mm	Each	To follow as per AP. Standard data
17	Labour charges for fixing Air valves 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	98.00
	65	Each	104.00
	80	Each	114.00
	100	Each	134.00
	125	Each	208.00
	150	Each	227.00
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	80.00
	40	Each	92.00
	50(Double Air valves)	Each	97.00
	65	Each	104.00
	80	Each	114.00
	100	Each	133.00
	125	Each	207.00
	150	Each	226.00
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	114.00
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.		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
	80mm to 600mm	Per Metre	To follow as per AP. Standard data
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 refilling.		
	100mm to 300mm	Per Metre	To follow as per AP. Standard data
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.		
	<u>Dia of Pipes in mm</u>		
	15mm to 50mm	Per Metre	To follow as per AP. Standard data
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	274.15
24	Cutting A.C. Pipes without water in mains Dia of pipes in mm.		
	<u>Dia of Pipes in mm</u>		
	80	Each cut	18.00
	100	Each cut	18.00
	125	Each cut	18.00
	150	Each cut	18.00
	200	Each cut	19.00
	250	Each cut	30.00
	300	Each cut	30.00
	350	Each cut	38.00
	400	Each cut	42.00
	450	Each cut	52.00
	500	Each cut	58.00
	600	Each cut	64.00
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.		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
	a) Cutting open B.T. road surface (as well as asphalt concrete up to 75 mm thick) including water bound macadam	10 Sqm	323.50
	b) Cutting open C.C. road surface	1 Cum	900.00
	c) Cutting open water bound macadam road including soiling	1 Cum	110.13
27	Bailing out water.(For PH item)		
	a) Bailing out water from the pipe line trenches with oil engine driven pump sets, including hire charges, fuel charges and wages for Driver and Helper.	HP/Hour	25.30
	b) Bailing out water from the pipe line trenches with Electric Driven pump set including hire charges, current charges and wages for Driver and Helper.	HP/Hour	18.48
	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 RM	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	7228.98
	b) 1 to 2 m deep under water.	10 Cum	10355.40
	c) 2 to 5 m deep under water.	10 Cum	15544.54
	d) Beyond 5 m deep under water for every additional 1 m depth over item 'c'	10 Cum	2969.89
	NOTE:- The above rates do not include rock requiring blasting or chiseling		
31	Laying and jointing glazed stoneware pipes including loose 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 Stone Ware pipes.		
	a) 200 mm to 400 mm	Per Metre	326.70
32	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	22.00
33	Centering and scaffolding charges for RCC members including all materials and labour charges for forming and dismantling.		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
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	1683.50
	2) Slabs for thickness above (300 mm)		3365.70
	3) Side walls curved surfaces.		1272.50
	4) Side wall straight surfaces.		1131.90
	5) Dome.		1378.50
	6) Roof Slab.		848.90
	7) Column footing.		928.10
	8) Column braces and beams		567.60
	9) Circular braces, ring beams & circular column.		621.90
	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 and above --- 27%		
b)	For Ground level works :-		
	1) Slabs	1 Sqm	As per Common SSR
	2) Beams & Lintels	1 Sqm	
	3) Sun shades	1 Sqm	
	4) RCC vertical walls of plane surface up to 3 m height such as ground level tanks clarifiers and sludge digesters etc.	1 Sqm	519.80
	5) RCC vertical walls of circular faces up to 3 m height.	1 Sqm	663.10
	NOTE: Scaffolding for every extra height of 1 m or part thereof but not less than 0.5 m.	10 Sqm	
34	Lift or de lift 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	82.30
	b) De lifting 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	25.00
35	Labour charges for fixing ventilating shafts complete with all accessories.	Each	To follow as per AP. Standard data
36	Labour charges for fixing water closets including fixing of foot rests (for all sizes).	Each	Relevant Building SSR items.
37	Labour charges for fixing of flushing cistern including fixing of flush pipes, lead pipe, jointing etc., complete	Each	

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
38	Labour charges for fixing wash hand basin including fixing of inlet and waste pipe connections etc., complete	Each	
39	Fixing urinal with inlet and waste pipe connections etc., complete.	Each	
40	Refilling the trench for pipe line with excavated earth including watering and tamping etc., complete	10 Cum	
41 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.
41 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
42	Removal of wet silt and sludge from sullage drains with aid of baskets and vessels.	10 Cum	868.00
43	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		To adopt as per AP. Standard data
	Up to 2 m below GL/m	Per metre	
	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.		
44	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., complete.		Observed Data
45	Rates for OHSRs/ELSRs including fixtures with a staging of 15 m, without Seismic analysis.		
a	500 Kilo litres	Per litre	7.32
b	1000 Kilo litres	Per litre	6.64
c	1500 Kilo litres	Per litre	6.27
d	2000 Kilo litres	Per litre	5.99
e	2500 Kilo litres	Per litre	5.70
	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 Rs.4,300/- per tonne for cement and Rs.31,000/- 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.		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
	4) The above rates shall be increased / decreased due to increase / decrease in the cost of cement by Basic rate x (Rc-4300) 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-31000) 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 are applicable for wind pressure up to 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 up to Zone-II earth quake. b) for Zone-III earth quake the above rates are to be increased by 33 1/3% .		
	11) Fixtures include.		
	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 pre cast 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 all-round 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.		
46	Rates for OHSRs/ELSRs including fixtures with a staging of 10 m without Seismic analysis.		
a	Up to 10,000 Litres capacity	Per litre	28.29
b	15,000 Litres capacity	Per litre	19.46
c	20,000 Litres capacity	Per litre	19.11
d	40,000 Litres capacity	Per litre	18.54

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
e	60,000 Litres capacity	Per litre	14.07
f	1,00,000 Litres capacity	Per litre	12.99
g	2,00,000 Litres capacity	Per litre	11.37
h	3,00,000 Litres capacity	Per litre	10.66
i	4,00,000 Litres capacity	Per litre	9.40
j	4,50,000 Litres capacity	Per litre	8.14
	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 Rs.4,300/- per tonne for cement and Rs.31,000/- per tonne for steel.		
	2) For every metre of staging less than 15 m, the rate shall be reduced by Rs.0.02 paise per litre.		
	3) For every metre of staging above 15 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 (Rc-4300) 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-31000) 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) Fixtures include :		
	a) RCC or Aluminum ladder inside 0.45 m wide.		
	b) Spiral staircase on the outside.		
	c) Lightning arrestor, including conductor and earthing etc.		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
	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 No's		
	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		
47	Construction of Rapid Gravity Filtration Plant including civil, mechanical and electrical fully automation including trial running etc., complete.		
	1) 2.0 Mld	Per litre	1.87
	2) 5.0 Mld	Per litre	1.71
	3) 10.0 Mld	Per litre	1.53
	4) 20.0 Mld	Per litre	1.38
	5) 30.00 Mld and above	Per litre	1.21
	NOTE :-		
	a) For intermediate ranges proportional rates may be adopted		
	b) The above rates are applicable with cement @ rate of Rs.4,300/- MT and steel of 31,000/MT.		
	4)The above rates shall be increased / decreased due to increase / decrease in the cost of cement by Basic rate x (Rc-4300) 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-31000) x 0.00002 Rs = Rate of steel (Rs per Mt) at this 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)The components of the Filtration Plant are as follows.		
A)	Civil Works: (all works of VRCC shall be in M30 design mix).		
	1)Stilling chamber .		
	2)Ventury flume channel with measuring devices		
	3)Flash mixer chamber		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
	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.		
	6) Wash water tank of suitable capacity.		
	7) All the doors and windows are of aluminum 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.		
B)	Mechanical Equipment		
	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,		
	9) Spares & Tools for 2 years		
C)	Electrical Equipment		
	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)	Automation for flow measurements		
	1) Automated Lab testing equipment of internationally approved 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,		

Sl. No.	Description	Unit	S of Rate for 2009-10
1	2	3	4
	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).		
Note :	1) Alam tanks must be bound with corrosion resistant material (HDPE Lining, Bitumen Coating, tiles etc)		
	2) Mechanical equipment for alam mixing and in flocculation tank must be corrosive resistant (due to Alam)		

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

Sl. No.	Description				
1	2				
1	MANUFACTURE, SUPPLY AND DELIVERY OF R.C.C. PLAIN ENDED PIPES CONFORMING TO B.I.S. 458/2003 , EX-FACTORY, EXCLUDING TRANSPORTATION, TAXES & DUTIES				
	Size	Unit	S Rate For 2009-10		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Metre	114.00		
	100 mm dia	Metre	134.00		
	150 mm dia	Metre	158.00		
	200 mm dia	Metre	189.00		
	225 mm dia	Metre	206.00		
	250 mm dia	Metre	219.00		
	300 mm dia	Metre	317.00	728.00	737.00
	350 mm dia	Metre	394.00	896.00	913.00
	400 mm dia	Metre	453.00	992.00	1012.00
	450 mm dia	Metre	556.00	1136.00	1146.00
	500 mm dia	Metre	608.00	1286.00	1404.00
	600 mm dia	Metre	905.00	1845.00	2160.00
	700 mm dia	Metre	1155.00	2277.00	2874.00
	800 mm dia	Metre	1410.00	3003.00	3736.00
	900 mm dia	Metre	1767.00	3755.00	4652.00
	1000 mm dia	Metre	2152.00	4686.00	6361.00
	1100 mm dia	Metre	2560.00	5499.00	7352.00
	1200 mm dia	Metre	3049.00	6465.00	8582.00
	1400 mm dia	Metre	4153.00	8333.00	11812.00
	1600 mm dia	Metre	4791.00	10757.00	14050.00
	1800 mm dia	Metre	6298.00	14203.00	18763.00

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

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

Cement. Rs.4,300/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.31,000/- 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. 31,000/- , S2 = Cost of M S Rods

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

C1 = Rs. 4,300/- 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.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	S Rates for 2009-10.		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Each	34.00		
	100 mm dia	Each	37.00		
	150 mm dia	Each	38.00		
	200 mm dia	Each	52.00		
	225 mm dia	Each	56.00		
	250 mm dia	Each	61.00		
	300 mm dia	Each	80.00	112.00	112.00
	350 mm dia	Each	99.00	141.00	141.00
	400 mm dia	Each	108.00	160.00	160.00
	450 mm dia	Each	172.00	214.00	214.00
	500 mm dia	Each	196.00	255.00	255.00
	600 mm dia	Each	262.00	334.00	334.00
	700 mm dia	Each	340.00	445.00	445.00
	800 mm dia	Each	475.00	568.00	568.00
	900 mm dia	Each	572.00	663.00	663.00
	1000 mm dia	Each	669.00	828.00	828.00
	1100 mm dia	Each	815.00	1045.00	1045.00
	1200 mm dia	Each	987.00	1309.00	1309.00
	1400 mm dia	Each	1276.00	1657.00	1657.00
	1600 mm dia	Each	1626.00	2118.00	2118.00
	1800 mm dia	Each	1661.00	2721.00	2721.00

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.4,300/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.31,000/- 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. Rods = $(S2 - S1) / 1000 \times Ws$. R2 = Variation (increase / decrease) in cost (Rs. per each) due to change in the cost of Cement = $(C2 - C1) / 1000 \times Wc$.

S1 = Rs. 31,000/- , S2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 4300/- , 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.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	S. Rates for 2009-10		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Metre	142.00		
	100 mm dia	Metre	162.00		
	150 mm dia	Metre	191.00		
	200 mm dia	Metre	235.00		
	225 mm dia	Metre	256.00		
	250 mm dia	Metre	273.00		
	300 mm dia	Metre	384.00	935.00	983.00
	350 mm dia	Metre	494.00	1191.00	1211.00
	400 mm dia	Metre	544.00	1320.00	1342.00
	450 mm dia	Metre	678.00	1457.00	1468.00
	500 mm dia	Metre	780.00	1661.00	1796.00
	600 mm dia	Metre	1101.00	2325.00	2351.00
	700 mm dia	Metre	1424.00	2954.00	3029.00
	800 mm dia	Metre	1820.00	3902.00	3939.00
	900 mm dia	Metre	2291.00	4889.00	4952.00
	1000 mm dia	Metre	2783.00	5529.00	5852.00
	1100 mm dia	Metre	3271.00	6496.00	6736.00
	1200 mm dia	Metre	3701.00	7652.00	7871.00
	1400 mm dia	Metre	5275.00	10126.00	11120.00
	1600 mm dia	Metre	6522.00	13085.00	13231.00
	1800 mm dia	Metre	7296.00	17284.00	17670.00

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.4,300/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.31,000/- 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. 31,000/- , **S2** = Cost of M S Rods (Rs. Per

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

C1 = Rs. 4,300/- , **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.

4. 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	S. Rates for 2009-10		
			P1 - Class	P2 - Class	P3 - Class
	80 mm dia	Metre	190.00	212.00	240.00
	100 mm dia	Metre	214.00	253.00	292.00
	150 mm dia	Metre	295.00	377.00	461.00
	200 mm dia	Metre	344.00	490.00	645.00
	225 mm dia	Metre	387.00	556.00	716.00
	250 mm dia	Metre	423.00	593.00	748.00
	300 mm dia	Metre	570.00	854.00	1056.00
	350 mm dia	Metre	709.00	1190.00	1531.00
	400 mm dia	Metre	840.00	1578.00	2023.00
	450 mm dia	Metre	897.00	1867.00	2487.00
	500 mm dia	Metre	1194.00	2022.00	2821.00
	600 mm dia	Metre	1634.00	3014.00	3903.00
	700 mm dia	Metre	2170.00	3945.00	4954.00
	800 mm dia	Metre	2715.00	4673.00	5986.00
	900 mm dia	Metre	3274.00	5490.00	
	1000 mm dia	Metre	4124.00	6271.00	
	1100 mm dia	Metre	4943.00		
	1200 mm dia	Metre	5811.00		

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.4,300/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.31,000/- 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 X Wc.

S1 = Rs. 31,000/-

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

C1 = Rs. 4,300/-

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. 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	S. Rates for 2009-10		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Each	16.00		
	100 mm dia	Each	20.00		
	150 mm dia	Each	35.00		
	200 mm dia	Each	41.00		
	225 mm dia	Each	45.00		
	250 mm dia	Each	51.00		
	300 mm dia	Each	63.00	80.00	80.00
	350 mm dia	Each	72.00	95.00	95.00
	400 mm dia	Each	79.00	109.00	109.00
	450 mm dia	Each	91.00	124.00	124.00
	500 mm dia	Each	119.00	142.00	142.00
	600 mm dia	Each	155.00	206.00	206.00
	700 mm dia	Each	212.00	247.00	247.00
	800 mm dia	Each	268.00	300.00	300.00
	900 mm dia	Each	336.00	405.00	405.00
	1000 mm dia	Each	394.00	489.00	489.00
	1100 mm dia	Each	474.00	626.00	626.00
	1200 mm dia	Each	757.00	787.00	787.00
	1400 mm dia	Each	833.00	866.00	866.00
	1600 mm dia	Each	1037.00	1057.00	1057.00
	1800 mm dia	Each	1293.00	1350.00	1350.00
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	16.00	16.00	16.00
	100 mm dia	Each	20.00	21.00	21.00
	150 mm dia	Each	35.00	35.00	35.00
	200 mm dia	Each	41.00	41.00	41.00
	225 mm dia	Each	45.00	46.00	48.00
	250 mm dia	Each	51.00	53.00	54.00
	300 mm dia	Each	63.00	66.00	69.00
	350 mm dia	Each	72.00	84.00	91.00
	400 mm dia	Each	79.00	109.00	112.00
	Size		P1 - Class	P2 - Class	P3 - Class
	450 mm dia	Each	91.00	125.00	128.00
	500 mm dia	Each	119.00	142.00	148.00

PUBLIC HEALTH ITEMS

	600 mm dia	Each	155.00	176.00	178.00
	700 mm dia	Each	212.00	232.00	247.00
	800 mm dia	Each	268.00	296.00	296.00
	900 mm dia	Each	336.00	375.00	
	1000 mm dia	Each	394.00	453.00	
	1100 mm dia	Each	474.00		
	1200 mm dia	Each	757.00		

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

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

Sl.No.	Description	Rate up to 5 Kms Lead including Loading, unloading and stacking	Rate for every additional 1 KM lead or part thereof.	Rate up to 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	CONVEYANCE OF R.C.C. PLAIN ENDED PIPES ON ALL WEATHER ROADS INCLUDING LOADING, UNLOADING AND STACKING (per Metre)				
		NP - 2 Class		NP - 3 Class & NP - 4 Class	
	80 mm dia	2.00	0.10		
	100 mm dia	2.40	0.10		
	150 mm dia	3.50	0.20		
	200 mm dia	4.60	0.20		
	225 mm dia	5.40	0.30		
	250 mm dia	6.20	0.30		
	300 mm dia	9.20	0.40	24.20	0.60
	350 mm dia	12.00	0.70	26.10	0.70
	400 mm dia	13.90	0.80	30.80	1.00
	450 mm dia	17.60	1.00	33.80	1.20
	500 mm dia	19.20	1.20	37.00	1.20
	600 mm dia	27.70	1.80	55.40	2.50
	700 mm dia	35.40	2.50	61.50	3.00
	800 mm dia	41.60	2.50	73.80	3.00
	900 mm dia	47.70	2.50	96.90	5.60
	1000 mm dia	70.80	5.30	117.00	5.60
	1100 mm dia	77.70	5.30	126.10	6.10
	1200 mm dia	87.70	5.60	141.50	6.10
	1400 mm dia	106.20	5.60	192.40	6.40
	1600 mm dia	123.10	5.60	230.80	6.40
	1800 mm dia	141.50	5.60	307.70	8.90

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

Sl. No.	Description	Rate up to 5 Kms Lead including Loading, unloading & stacking	Rate for every additional 1 KM lead or part thereof.	Rate up to 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	CONVEYANCE OF R.C.C. SOCKET AND SPIGOT PIPES ON ALL WEATHER ROADS INCLUDING LOADING, UNLOADING AND STACKING (per Metre of effective length)				
	Size	NP - 2 & P1 Class		NP – 3 & NP - 4 Class	
	80 mm dia	2.50	0.10		
	100 mm dia	2.90	0.20		
	150 mm dia	4.10	0.20		
	200 mm dia	5.30	0.40		
	225 mm dia	6.30	0.40		
	250 mm dia	7.00	0.60		
	300 mm dia	10.50	0.70	28.90	0.90
	350 mm dia	13.10	0.80	30.80	1.10
	400 mm dia	15.90	1.00	38.40	2.00
	450 mm dia	18.20	1.10	42.30	2.00
	500 mm dia	20.40	1.20	46.20	2.10
	600 mm dia	26.90	2.00	63.10	3.00
	700 mm dia	32.70	2.10	84.60	5.90
	800 mm dia	45.40	3.20	100.00	5.90
	900 mm dia	67.70	5.80	115.40	5.90
	1000 mm dia	77.00	5.80	121.60	5.90
	1100 mm dia	86.90	5.90	130.70	5.90
	1200 mm dia	96.90	5.90	146.20	6.10
	1400 mm dia	120.00	5.90	195.40	6.10
	1600 mm dia	143.10	6.10	230.80	6.50
	1800 mm dia	176.90	6.10	307.70	8.90
		P2 - Class		P3 – Class	
	80 mm dia	2.50	0.10	2.50	0.10
	100 mm dia	2.90	0.20	2.90	0.20
	150 mm dia	4.10	0.20	4.10	0.20
	200 mm dia	5.70	0.40	7.70	0.60
	225 mm dia	7.70	0.60	8.60	0.70
	250 mm dia	8.10	0.70	10.20	0.80
	300 mm dia	15.40	0.90	17.60	1.00
	350 mm dia	19.40	1.10	24.60	1.20
	400 mm dia	23.10	1.20	33.10	2.00
	450 mm dia	29.20	1.90	40.70	2.00
	500 mm dia	33.10	2.00	50.00	2.90
	600 mm dia	43.90	2.00	71.50	3.70
	700 mm dia	64.60	4.00	105.40	5.90
	800 mm dia	86.20	5.60	133.90	5.90
	900 mm dia	105.10	5.90		
	1000 mm dia	129.30	6.10		

8. 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	S Rates for 2009-10			
			Class - 10	Class - 15	Class - 20	Class - 25
	80 mm dia	Rate/Metre		131.00	142.00	177.00
	100 mm dia	Rate/Metre		172.00	218.00	269.00
	125 mm dia	Rate/Metre		225.00	281.00	353.00
	150 mm dia	Rate/Metre		319.00	397.00	496.00
	200 mm dia	Rate/Metre		531.00	673.00	856.00
	250 mm dia	Rate/Metre		671.00	864.00	1084.00
	300 mm dia	Rate/Metre		943.00	1220.00	1555.00
	350 mm dia	Rate/Metre		1152.00	1496.00	1879.00
	400 mm dia	Rate/Metre		1500.00	1953.00	2423.00
	450 mm dia	Rate/Metre		1764.00	2336.00	2927.00
	500 mm dia	Rate/Metre		2189.00	2862.00	3596.00
	600 mm dia	Rate/Metre		3108.00	4050.00	5162.00
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 up to 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		22.00	22.00	22.00
	100 mm dia	Rate/Metre		32.00	32.00	32.00
	125 mm dia	Rate/Metre		35.00	35.00	35.00
	150 mm dia	Rate/Metre		42.00	42.00	42.00
	200 mm dia	Rate/Metre		55.00	55.00	55.00
	250 mm dia	Rate/Metre		66.00	66.00	66.00
	300 mm dia	Rate/Metre		82.00	82.00	82.00
	350 mm dia	Rate/Metre		139.00	139.00	139.00
	400 mm dia	Rate/Metre		208.00	208.00	208.00
	450 mm dia	Rate/Metre		254.00	254.00	254.00
	500 mm dia	Rate/Metre		323.00	323.00	323.00
	600 mm dia	Rate/Metre		347.00	347.00	347.00
	<p>1. The above rates of AC Pipes are based on the Cement cost of RS 4,300/- per MT (Including all taxes and freight).</p> <p>2. The above rates of AC pipes are based on the Fiber cost of Rs 40,600/- 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>$W \times 0.85 \times IC$ Where W = Weight of pipe in Kgs/Rmt IC = Increase/Decrease in cost of cement</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>$W \times 0.15 \times IF$ Where : W=: Weight of pipe in Kgs/Rmt IF = Increase /Decrease in cost of fiber</p>					

Note:	1) The Fiber rates are to be obtained from A.C. Pipe manufacturer of “Mazza” process. 2) The cement rate shall be communicated by the sub-committee of Board of Chief engineers. 3) The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate	
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.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	S Rates for 2009-10.			
			Class - 10	Class - 15	Class - 20	Class - 25
	80 mm dia	Rate/Each		69.00	72.00	83.00
	100 mm dia	Rate/Each		90.00	93.00	112.00
	125 mm dia	Rate/Each		112.00	122.00	147.00
	150 mm dia	Rate/Each		128.00	160.00	199.00
	200 mm dia	Rate/Each		237.00	253.00	323.00
	250 mm dia	Rate/Each		275.00	346.00	442.00
	300 mm dia	Rate/Each		359.00	464.00	596.00
	350 mm dia	Rate/Each		468.00	605.00	775.00
	400 mm dia	Rate/Each		721.00	942.00	1214.00
	450 mm dia	Rate/Each		865.00	1140.00	1470.00
	500 mm dia	Rate/Each		1031.00	1380.00	1768.00
	600 mm dia	Rate/Each		1242.00	1547.00	1979.00

1. The above rates of AC Coupling are based on the Cement cost of RS 4,300/- per MT (Including all taxes and freight).

2. The above rates of AC Coupling are based on the Fiber cost of Rs 40,600/- 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.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	S Rates for 2009-10.			
			Class - 10	Class - 15	Class - 20	Class - 25
	80 mm dia	Each Set		42.00	42.00	42.00
	100 mm dia	Each Set		51.00	51.00	51.00
	125 mm dia	Each Set		67.00	67.00	67.00
	150 mm dia	Each Set		85.00	85.00	85.00
	200 mm dia	Each Set		87.00	87.00	87.00
	250 mm dia	Each Set		102.00	102.00	102.00
	300 mm dia	Each Set		102.00	102.00	102.00
	350 mm dia	Each Set		115.00	115.00	115.00
	400 mm dia	Each Set		141.00	141.00	141.00
	450 mm dia	Each Set		166.00	166.00	166.00
	500 mm dia	Each Set		192.00	192.00	192.00
	600 mm dia	Each Set		217.00	217.00	217.00

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

11. S. RATES FOR PRE-STRESSED (NON-CYLINDER) CONCRETE PIPES

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	S Rates for 2009-10.					
			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	2470.00	2470.00	2490.00	2500.00	2540.00	2630.00
	400 MM DIA	Metre	2660.00	2680.00	2700.00	2730.00	2770.00	2810.00
	450 MM DIA	Metre	2830.00	2840.00	2860.00	2910.00	2970.00	3030.00
	500 MM DIA	Metre	3060.00	3070.00	3080.00	3140.00	3190.00	3280.00
	600 MM DIA	Metre	3520.00	3530.00	3560.00	3650.00	3750.00	3850.00
	700 MM DIA	Metre	4310.00	4310.00	4360.00	4440.00	4580.00	4670.00
	800 MM DIA	Metre	5070.00	5090.00	5200.00	5300.00	5490.00	5630.00
	900 MM DIA	Metre	5870.00	5880.00	5990.00	6200.00	6410.00	6710.00
	1000 MM DIA	Metre	6880.00	6900.00	7070.00	7300.00	7610.00	7950.00
	1100 MM DIA	Metre	7800.00	7870.00	8050.00	8440.00	8720.00	9060.00
	1200 MM DIA	Metre	8640.00	8740.00	8980.00	9400.00	9780.00	10170.00
	1300 MM DIA	Metre	11700.00	12230.00	12730.00	13220.00	14080.00	15050.00
	1400 MM DIA	Metre	13410.00	13960.00	14700.00	15470.00	16400.00	17070.00
	1500 MM DIA	Metre	15220.00	15870.00	16530.00	17590.00	18620.00	19380.00
	1600 MM DIA	Metre	17020.00	17760.00	18510.00	20380.00	20910.00	21780.00
2	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.							
	350 MM DIA	Metre	120.00	120.00	120.00	120.00	120.00	120.00
	400 MM DIA	Metre	130.00	130.00	130.00	130.00	130.00	130.00
	450 MM DIA	Metre	150.00	150.00	150.00	150.00	150.00	150.00
	500 MM DIA	Metre	160.00	160.00	160.00	160.00	160.00	160.00
	600 MM DIA	Metre	195.00	195.00	195.00	195.00	195.00	195.00
	700 MM DIA	Metre	230.00	230.00	230.00	230.00	230.00	230.00
	800 MM	Metre	260.00	260.00	260.00	260.00	260.00	260.00

Public Health Items

	DIA							
	900 MM DIA	Metre	285.00	285.00	285.00	285.00	285.00	285.00
	1000 MM IA	Metre	330.00	330.00	330.00	330.00	330.00	330.00
	1100 MM IA	Metre	370.00	370.00	370.00	370.00	370.00	370.00
	1200 MMDIA	Metre	410.00	410.00	410.00	410.00	410.00	410.00
	1300 MM DIA	Metre	465.00	465.00	465.00	465.00	465.00	465.00
	1400 MM DIA	Metre	525.00	525.00	525.00	525.00	525.00	525.00
	1500 MM DIA	Metre	570.00	570.00	570.00	570.00	570.00	570.00
	1600 MM DIA	Metre	640.00	640.00	640.00	640.00	640.00	640.00
3	CONVEYANCE OF PRE-STRESSED (NON-CYLINDER) CONCRETE PIPIES 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)							
	350 MM DIA	PerKM/M	0.90	0.90	0.90	0.90	0.90	0.90
	400 MM DIA	PerKM/M	0.90	0.90	0.90	0.90	0.90	0.90
	450 MM DIA	PerKM/M	1.00	1.00	1.00	1.00	1.00	1.00
	500 MM DIA	PerKM/M	1.10	1.10	1.10	1.10	1.10	1.10
	600 MM DIA	PerKM/M	1.30	1.30	1.30	1.30	1.30	1.30
	700 MM DIA	PerKM/M	2.20	2.20	2.20	2.20	2.20	2.20
	800 MM DIA	PerKM/M	2.20	2.20	2.20	2.20	2.20	2.20
	900 MM DIA	PerKM/M	2.20	2.20	2.20	2.20	2.20	2.20
	1000 MM DIA	PerKM/M	3.40	3.40	3.40	3.40	3.40	3.40
	1100 MM DIA	PerKM/M	3.40	3.40	3.40	3.40	3.40	3.40
	1200 MM DIA	PerKM/M	6.70	6.70	6.70	6.70	6.70	6.70
	1300 MM DIA	PerKM/M	6.80	6.80	6.80	6.80	6.80	6.80
	1400 MM DIA	PerKM/M	6.80	6.80	6.80	6.80	6.80	6.80
	1500 MM DIA	PerKM/M	6.80	6.80	6.80	6.80	6.80	6.80
	1600 MM DIA	PerKM/M	7.60	7.60	7.60	7.60	7.60	7.60
4	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.							
	350 MM DIA	Per Pair	8,500.00	8,500.00	8,500.00	8,500.00	8,500.00	8,500.00
	400 MM DIA	Per Pair	9,750.00	9,750.00	9,750.00	9,750.00	9,750.00	9,750.00
	450 MM DIA	Per Pair	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00

Public Health Items								
	500 MM DIA	Per Pair	12,250.00	12,250.00	12,250.00	12,250.00	12,250.00	12,250.00
	600 MM DIA	Per Pair	14,700.00	14,700.00	14,700.00	14,700.00	14,700.00	14,700.00
	700 MM DIA	Per Pair	17,200.00	17,200.00	17,200.00	17,200.00	17,200.00	17,200.00
	800 MM DIA	Per Pair	19,700.00	19,700.00	19,700.00	19,700.00	19,700.00	19,700.00
	900 MM DIA	Per Pair	22,200.00	22,200.00	22,200.00	22,200.00	22,200.00	22,200.00
	1000 MM DIA	Per Pair	24,500.00	24,500.00	24,500.00	24,500.00	24,500.00	24,500.00
	1100 MM DIA	Per Pair	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00
	1200 MM DIA	Per Pair	29,500.00	29,500.00	29,500.00	29,500.00	29,500.00	29,500.00
	1300 MM DIA	Per Pair	31,800.00	31,800.00	31,800.00	31,800.00	31,800.00	31,800.00
	1400 MM DIA	Per Pair	37,500.00	37,500.00	37,500.00	37,500.00	37,500.00	37,500.00
	1500 MM DIA	Per Pair	44,000.00	44,000.00	44,000.00	44,000.00	44,000.00	44,000.00
	1600 MM DIA	Per Pair	49,000.00	49,000.00	49,000.00	49,000.00	49,000.00	49,000.00
5	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.							
	Diameter and thickness	Unit	Rate	Diameter and thickness		Unit	Rate	
	80 mm DIA x 15 mm thick	Each Flange	550.00	500 mm DIA x 20 mm thick		Each Flange	5,560.00	
	100 mm DIA x 15 mm thick	Each Flange	750.00	600 mm DIA x 20 mm thick		Each Flange	7,000.00	
	125 mm DIA x 15 mm thick	Each Flange	900.00	700 mm DIA x 25 mm thick		Each Flange	9,900.00	
	150 mm DIA x 15 mm thick	Each Flange	1,200.00	750 mm DIA x 25 mm thick		Each Flange	10,900.00	
	200 mm DIA x 15 mm thick	Each Flange	1,500.00	800 mm DIA x 25 mm thick		Each Flange	12,200.00	
	250 mm DIA x 15 mm thick	Each Flange	1,950.00	900 mm DIA x 25 mm thick		Each Flange	14,000.00	
	300 mm DIA x 15 mm thick	Each Flange	2,210.00	1000 mm DIA x 25 mm thick		Each Flange	16,500.00	
	350 mm DIA x 18 mm thick	Each Flange	3,220.00	1050 mm DIA x 25 mm thick		Each Flange	17,480.00	
	400 mm DIA x 18 mm thick	Each Flange	4,020.00	1100 mm DIA x 25 mm thick		Each Flange	18,900.00	
	450 mm DIA x 18 mm thick	Each Flange	4,670.00	1200 mm DIA x 32 mm thick		Each Flange	25,100.00	

Note: a) The above rate of PSC pipes are based on the HT wire cost of Rs.44,250/-MT (Basic+ CED+ST & freight). and cement price of Rs.4,300/- 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 $= (C2-C1)/1000 \times Wc$.

H1 = Rs. 44,250/- H2 = Cost of HT Wire (Rs. Per MT including all taxes and freight) at the time of preparation of estimate. C1 = Rs. 4300/- 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.35,000/- 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. RATES FOR PRE-STRESSED (CYLINDER) CONCRETE PIPES

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	S.S Rates for 2009-10.								
			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	4650.00	4650.00	4650.00	4650.00	4660.00	4710.00	4780.00	4840.00	4900.00
	450 MM DIA	Meter	5020.00	5020.00	5020.00	5040.00	5090.00	5160.00	5230.00	5310.00	5370.00
	500 MM DIA	Meter	5500.00	5500.00	5510.00	5570.00	5640.00	5710.00	5780.00	5890.00	5970.00
	600 MM DIA	Meter	6520.00	6560.00	6650.00	6740.00	6830.00	6920.00	7050.00	7180.00	7310.00
	700 MM DIA	Meter	7520.00	7620.00	7740.00	7860.00	7980.00	8100.00	8240.00	8430.00	8570.00
	800 MM DIA	Meter	8850.00	8980.00	9150.00	9310.00	9470.00	9620.00	9810.00	10010.00	10250.00
	900 MM DIA	Meter	10520.00	10690.00	10900.00	11110.00	11310.00	11500.00	11770.00	12040.00	12300.00
	1000 MM DIA	Meter	12180.00	12410.00	12660.00	12920.00	13170.00	13400.00	13710.00	14040.00	14370.00
	1100 MM DIA	Meter	12470.00	12730.00	13010.00	13280.00	13560.00	13810.00	14130.00	14470.00	15210.00
	1200 MM DIA	Meter	14110.00	14410.00	14740.00	15070.00	15410.00	15710.00	16080.00	16820.00	17350.00
	1300 MM DIA	Meter	15680.00	16050.00	16430.00	16820.00	17210.00	17560.00	18440.00	18920.00	19520.00
	1400 MM DIA	Meter	17170.00	17600.00	18050.00	18500.00	18950.00	19830.00	20380.00	20950.00	22210.00
	1500 MM DIA	Meter	18630.00	19100.00	19570.00	20040.00	21020.00	21550.00	22360.00	23580.00	21450.00
	1600 MM DIA	Meter	21010.00	21530.00	22060.00	23060.00	23670.00	24280.00	25790.00	26460.00	27110.00
	1700 MM DIA	Meter	22610.00	23210.00	23860.00	25000.00	25690.00	26970.00	28130.00	28860.00	29550.00
	1800 MM DIA	Meter	24770.00	25400.00	26640.00	27410.00	28160.00	29560.00	30790.00	31660.00	32520.00
	1900 MM DIA	Meter	28850.00	29570.00	30950.00	31810.00	33280.00	34200.00	35590.00	36560.00	37470.00
	2000 MM DIA	Meter	30810.00	32180.00	33110.00	34070.00	35750.00	36760.00	38330.00	39440.00	40430.00
2	Cost of laying jointing, testing to Hydrostatic field test pressure including cost of 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.										

	400 MM DIA	Meter	280.00	280.00	280.00	280.00	280.00	280.00	280.00	280.00	280.00
	450 MM DIA	Meter	330.00	330.00	330.00	330.00	330.00	330.00	330.00	330.00	330.00
	500 MM DIA	Meter	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
	600 MM DIA	Meter	420.00	420.00	420.00	420.00	420.00	420.00	420.00	420.00	420.00
	700 MM DIA	Meter	480.00	480.00	480.00	480.00	480.00	480.00	480.00	480.00	480.00
	800 MM DIA	Meter	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00
	900 MM DIA	Meter	620.00	620.00	620.00	620.00	620.00	620.00	620.00	620.00	620.00
	1000 MM DIA	Meter	680.00	680.00	680.00	680.00	680.00	680.00	680.00	680.00	680.00
	1100 MM DIA	Meter	770.00	770.00	770.00	770.00	770.00	770.00	770.00	770.00	770.00
	1200 MM DIA	Meter	840.00	840.00	840.00	840.00	840.00	840.00	840.00	840.00	840.00
	1300 MM DIA	Meter	900.00	900.00	900.00	900.00	900.00	900.00	900.00	900.00	900.00
	1400 MM DIA	Meter	990.00	990.00	990.00	990.00	990.00	990.00	990.00	990.00	990.00
	1500 MM DIA	Meter	1100.00	1100.00	1100.00	1100.00	1100.00	1100.00	1100.00	1100.00	1100.00
	1600 MM DIA	Meter	1190.00	1190.00	1190.00	1190.00	1190.00	1190.00	1190.00	1190.00	1190.00
	1700 MM DIA	Meter	1340.00	1340.00	1340.00	1340.00	1340.00	1340.00	1340.00	1340.00	1340.00
	1800 MM DIA	Meter	1420.00	1420.00	1420.00	1420.00	1420.00	1420.00	1420.00	1420.00	1420.00
	1900 MM DIA	Meter	1550.00	1550.00	1550.00	1550.00	1550.00	1550.00	1550.00	1550.00	1550.00
	2000 MM DIA	Meter	1650.00	1650.00	1650.00	1650.00	1650.00	1650.00	1650.00	1650.00	1650.00
3	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)										
	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	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
	600 MM DIA	Per KM/M	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
	700 MM DIA	Per KM/M	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
	800 MM DIA	Per KM/M	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
	900 MM DIA	Per KM/M	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
	1000 MM DIA	Per KM/M	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
	1100 MM DIA	Per KM/M	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
	1200 MM DIA	Per KM/M	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70

Public Health Items											
	1300 MM DIA	Per KM/M	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
	1400 MM DIA	Per KM/M	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
	1500 MM DIA	Per KM/M	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
	1600 MM DIA	Per KM/M	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
	1700 MM DIA	Per KM/M	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
	1800 MM DIA	Per KM/M	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
	1900 MM DIA	Per KM/M	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
	2000 MM DIA	Per KM/M	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60

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

HT Wire: - Rs.44,250/- (including all taxes & freight)

HR Coil (Hot Rolled): - Rs.34,250/- (including all taxes & freight)

Cement Cost Rs. 4,300/- 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. 44,250/- H2 = Cost of HT Wire (Rs. Per MT including all taxes and freight) at the time of preparation of estimate. R1 =

Rs. 34,250/- R2 = Cost of HR Coil (Rs. Per MT including all taxes and freight) at the time of preparation of estimate. C1 = Rs. 4300/- 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. RATES FOR BAR WRAPPED STEEL CYLINDRICAL (BWSC) PIPES

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.	Rs.
			4 -12 Kg/cm ²	14 Kg/cm ²	16 Kg/cm ²	18 Kg/cm ²	20 Kg/cm ²	22 Kg/cm ²	24 Kg/cm ²	26 Kg/cm ²	28 Kg/cm ²	30 Kg/cm ²
	250 MM DIA	Meter	2550.00	2550.00	2550.00	2550.00	2550.00	2550.00	2550.00	2570.00	2580.00	2730.00
	300 MM DIA	Meter	2860.00	2860.00	2860.00	2860.00	2860.00	2880.00	2940.00	3040.00	3080.00	3260.00
	350 MM DIA	Meter	3480.00	3480.00	3480.00	3490.00	3500.00	3510.00	3580.00	3690.00	3780.00	3970.00
	400 MM DIA	Meter	3810.00	3810.00	3820.00	3840.00	3850.00	4010.00	4150.00	4290.00	4420.00	5060.00
	450 MM DIA	Meter	4190.00	4200.00	4220.00	4230.00	4410.00	4580.00	4750.00	4920.00	5100.00	5600.00
	500 MM DIA	Meter	4690.00	4700.00	4720.00	4910.00	5130.00	5340.00	5580.00	5760.00	6200.00	6590.00
	600 MM DIA	Meter	6150.00	6180.00	6200.00	6520.00	6830.00	7100.00	7420.00	7730.00	8190.00	8680.00
	700 MM DIA	Meter	7380.00	7470.00	7920.00	8360.00	8790.00	9240.00	9860.00	10180.00	10650.00	11450.00
	800 MM DIA	Meter	8300.00	8880.00	9450.00	9990.00	10530.00	11340.00	11910.00	12850.00	13420.00	14410.00
	900 MM DIA	Meter	10270.00	10560.00	11280.00	11980.00	12650.00	13140.00	14590.00	15450.00	16170.00	17460.00
	1000 MM DIA	Meter	11460.00	12420.00	13220.00	14040.00	14900.00	16290.00	17700.00	19050.00	19840.00	21510.00
	1100 MM DIA	Meter	16590.00	16870.00	16800.00	18360.00	20160.00	21470.00	23610.00	24930.00	26550.00	29230.00
	1200 MM DIA	Meter	18340.00	18750.00	19190.00	21110.00	23150.00	25150.00	27170.00	27930.00	31280.00	34930.00
2	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.											
	250 MM DIA	Meter	217.00	217.00	217.00	217.00	217.00	217.00	217.00	217.00	217.00	217.00
	300 MM DIA	Meter	254.00	254.00	254.00	254.00	254.00	254.00	254.00	254.00	254.00	254.00
	350 MM DIA	Meter	302.00	302.00	302.00	302.00	302.00	302.00	302.00	302.00	302.00	302.00
	400 MM DIA	Meter	338.00	338.00	338.00	338.00	338.00	338.00	338.00	338.00	338.00	338.00
	450 MM DIA	Meter	386.00	386.00	386.00	386.00	386.00	386.00	386.00	386.00	386.00	386.00
	500 MM DIA	Meter	423.00	423.00	423.00	423.00	423.00	423.00	423.00	423.00	423.00	423.00
	600 MM DIA	Meter	519.00	519.00	519.00	519.00	519.00	519.00	519.00	519.00	519.00	519.00
	700 MM DIA	Meter	604.00	604.00	604.00	604.00	604.00	604.00	604.00	604.00	604.00	604.00

	800 MM DIA	Meter	688.00	688.00	688.00	688.00	688.00	688.00	688.00	688.00	688.00	688.00
	900 MM DIA	Meter	809.00	809.00	809.00	809.00	809.00	809.00	809.00	809.00	809.00	809.00
	1000 MM DIA	Meter	894.00	894.00	894.00	894.00	894.00	894.00	894.00	894.00	894.00	894.00
	1100 MM DIA	Meter	1050.00	1050.00	1061.00	1061.00	1082.00	1082.00	1103.00	1103.00	1103.00	1103.00
	1200 MM DIA	Meter	1176.00	1176.00	1218.00	1218.00	1239.00	1239.00	1281.00	1281.00	1281.00	1365.00
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)											
	250 MM DIA	Per KM/M	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	300 MM DIA	Per KM/M	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	350 MM DIA	Per KM/M	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
	400 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
	450 MM DIA	Per KM/M	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
	500 MM DIA	Per KM/M	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	600 MM DIA	Per KM/M	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
	700 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
	800 MM DIA	Per KM/M	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
	900 MM DIA	Per KM/M	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
	1000 MM DIA	Per KM/M	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
	1100 MM DIA	Per KM/M	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
	1200 MM DIA	Per KM/M	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30

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

HR Plates - Rs.34,250/- per MT (Basic+CED+ST & freight)

Wire rods - Rs.34,000/- per MT (Basic+CED+ST & freight)

Cement Cost Rs. 4,300/-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. 34,250/- H2 = Cost of HR Plate (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

W1 = Rs. 34,000/- W2 = Cost of Wire rods

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

C1 = Rs. 4,300/- C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at

the time of preparation of estimate

W_h=Weight of HR Plate required (Kg.) per metre of pipe.

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

W_w = 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. RATES FOR M.S.SPIRAL PIPES (2009-10)

Sl.No.	Description	Unit	Thickness in mm	Rate (Rs.)
1	2	3	4	5
1	Manufacture, Supply and Delivery of MS Spiral Pipes Conforming to IS 3589/2001 with thickness of in lining and out coating as per Designs, including transportation to anywhere in AP and excluding taxes & duties, etc.			
	400 MM DIA	Meter	6.00	3474.50
	500 MM DIA	Meter	6.00	4437.50
	500 MM DIA	Meter	8.00	5385.50
	600 MM DIA	Meter	6.00	5278.00
	600 MM DIA	Meter	8.00	6413.00
	700 MM DIA	Meter	6.00	6168.50
	700 MM DIA	Meter	8.00	7488.50
	700 MM DIA	Meter	10.00	9740.50
	800 MM DIA	Meter	6.00	7109.00
	800 MM DIA	Meter	8.00	8614.00
	800 MM DIA	Meter	10.00	10126.00
	900 MM DIA	Meter	6.00	7899.50
	900 MM DIA		8.00	9589.50
	900 MM DIA	Meter	10.00	11289.50
	900 MM DIA	Meter	12.00	12991.50
	1000 MM DIA	Meter	6.00	8940.00
	1000 MM DIA	Meter	8.00	10815.00
	1000 MM DIA	Meter	10.00	12695.00
	1000 MM DIA	Meter	12.00	14497.00
	1100 MM DIA	Meter	6.00	11080.50
	1100 MM DIA	Meter	8.00	13140.50
	1100 MM DIA	Meter	10.00	15210.50
	1100 MM DIA	Meter	12.00	17282.50
	1200 MM DIA	Meter	6.00	12821.00
	1200 MM DIA	Meter	8.00	15066.00
	1200 MM DIA	Meter	10.00	17316.00
	1200 MM DIA	Meter	12.00	19576.00
	1200 MM DIA	Meter	14.00	21846.00
	1300 MM DIA	Meter	6.00	14081.50
	1300 MM DIA	Meter	8.00	16491.50
	1300 MM DIA	Meter	10.00	18926.50
	1300 MM DIA	Meter	12.00	21371.50
	1300 MM DIA	Meter	14.00	23823.50
	1300 MM DIA		16.00	26286.50

Sl.No.	Description	Unit	Thickness in mm	Rate (Rs.)
1	2	3	4	5
	1400 MM DIA	Meter	6.00	14852.00
	1400 MM DIA	Meter	8.00	17467.00
	1400 MM DIA	Meter	10.00	20087.00
	1400 MM DIA	Meter	12.00	22717.00
	1400 MM DIA	Meter	14.00	25357.00
	1400 MM DIA	Meter	16.00	28002.00
	1500 MM DIA	Meter	8.00	18692.50
	1500 MM DIA	Meter	10.00	21502.50
	1500 MM DIA	Meter	12.00	24312.50
	1500 MM DIA	Meter	14.00	27137.50
	1500 MM DIA	Meter	16.00	29967.50
	1500 MM DIA	Meter	18.00	32802.50
	1600 MM DIA	Meter	8.00	19683.00
	1600 MM DIA	Meter	10.00	22658.00
	1600 MM DIA	Meter	12.00	25658.00
	1600 MM DIA	Meter	14.00	28668.00
	1600 MM DIA	Meter	16.00	31683.00
	1600 MM DIA	Meter	18.00	34703.00
	1700 MM DIA	Meter	8.00	20893.50
	1700 MM DIA	Meter	10.00	24068.50
	1700 MM DIA	Meter	12.00	27253.50
	1700 MM DIA	Meter	14.00	30445.50
	1700 MM DIA	Meter	16.00	33643.50
	1700 MM DIA	Meter	18.00	36853.50
	1800 MM DIA	Meter	8.00	22119.00
	1800 MM DIA	Meter	10.00	25479.00
	1800 MM DIA	Meter	12.00	28849.00
	1800 MM DIA	Meter	14.00	32229.00
	1800 MM DIA	Meter	16.00	35609.00
	1800 MM DIA	Meter	18.00	39004.00
	1800 MM DIA	Meter	20.00	42404.00
	1900 MM DIA	Meter	10.00	26639.50
	1900 MM DIA	Meter	12.00	30191.50
	1900 MM DIA	Meter	14.00	33754.50
	1900 MM DIA	Meter	16.00	37324.50
	1900 MM DIA	Meter	18.00	40904.50
	1900 MM DIA	Meter	20.00	44486.50
	2000 MM DIA	Meter	10.00	27800.00
	2000 MM DIA	Meter	12.00	31540.00
	2000 MM DIA	Meter	14.00	35285.00
	2000 MM DIA	Meter	16.00	39040.00
	2000 MM DIA	Meter	18.00	42805.00
	2000 MM DIA	Meter	20.00	46570.00
	2000 MM DIA	Meter	22.00	50310.00

Sl.No.	Description	Unit	Thickness in mm	Rate (Rs.)
1	2	3	4	5
	2100 MM DIA	Meter	10.00	29210.50
	2100 MM DIA	Meter	12.00	33135.50
	2100 MM DIA	Meter	14.00	37065.50
	2100 MM DIA	Meter	16.00	41005.50
	2100 MM DIA	Meter	18.00	44953.50
	2100 MM DIA	Meter	20.00	48905.50
	2100 MM DIA	Meter	22.00	52870.50
	2200 MM DIA	Meter	10.00	30371.00
	2200 MM DIA	Meter	12.00	34481.00
	2200 MM DIA	Meter	14.00	38596.00
	2200 MM DIA	Meter	16.00	42721.00
	2200 MM DIA	Meter	18.00	46851.00
	2200 MM DIA	Meter	20.00	50991.00
	2200 MM DIA	Meter	22.00	55141.00
	2200 MM DIA	Meter		
	2300 MM DIA	Meter	10.00	31781.50
	2300 MM DIA	Meter	12.00	36076.50
	2300 MM DIA	Meter	16.00	44686.50
	2300 MM DIA	Meter	18.00	49001.50
	2300 MM DIA	Meter	20.00	53326.50
	2300 MM DIA	Meter	22.00	57656.50
	240 MM DIA	Meter	10.00	32940.00
	2400 MM DIA	Meter	12.00	37420.00
	2400 MM DIA	Meter	14.00	41907.00
	2400 MM DIA	Meter	16.00	46402.00
	2400 MM DIA	Meter	18.00	50902.00
	2400 MM DIA	Meter	20.00	55412.00
	2400 MM DIA	Meter	22.00	59847.00
	2500 MM DIA	Meter	10.00	34352.50
	2500 MM DIA	Meter	14.00	43687.50
	2500 MM DIA	Meter	16.00	48367.50
	2500 MM DIA	Meter	18.00	53052.50
	2500 MM DIA	Meter	20.00	57747.50
	2500 MM DIA	Meter	22.00	62447.50
	2600 MM DIA	Meter	12.00	40358.00
	2600 MM DIA	Meter	14.00	45218.00
	2600 MM DIA	Meter	16.00	50083.00
	2600 MM DIA	Meter	18.00	54953.00
	2600 MM DIA	Meter	20.00	59833.00
	2600 MM DIA	Meter	22.00	64718.00
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			

Sl.No.	Description	Unit	Thickness in mm	Rate (Rs.)
1	2	3	4	5
	400 MM DIA	Meter		338.00
	500 MM DIA	Meter		423.00
	600 MM DIA	Meter		519.00
	700 MM DIA	Meter		604.00
	800 MM DIA	Meter		688.00
	900 MM DIA	Meter		809.00
	1000 MM DIA	Meter		894.00
	1100 MM DIA	Meter		1050.00
	1200 MM DIA	Meter		1176.00
	1300 MM DIA	Meter		1352.00
	1400 MM DIA	Meter		1555.00
	1500 MM DIA	Meter		1788.00
	1600 MM DIA	Meter		2056.00
	1700 MM DIA	Meter		2364.00
	1800 MM DIA	Meter		2719.00
	1900 MM DIA	Meter		3127.00
	2000 MM DIA	Meter		3596.00
	2100 MM DIA	Meter		4136.00
	2200 MM DIA	Meter		4756.00
	2300 MM DIA	Meter		5470.00
	2400 MM DIA	Meter		6290.00
	2500 MM DIA	Meter		7234.00
	2600 MM	Meter		8319.00

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

MS Plates = Rs 33,300/- 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 "R₁".

R₁ = Variation (Increase/Decrease) in cost (Rs. Per meter) due to change in cost of MS Plates = $(M_2 - M_1) / 1000 \times W_m$

M₁ = Rs 33,300/-

M₂ = Cost of MS Plates (Rs. Per MT including all taxes and freight)
at the time of preparation of estimate

W_m = 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. 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 any where 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	S. Rates for 2009-10. Rs.				
			3 Bar	6 Bar	9 Bar	12 Bar	15 Bar
	300 MM DIA	Metre	2400.00	2465.00	2535.00	2603.00	2715.00
	350 MM DIA	Metre	2575.00	2611.00	2692.00	2766.00	2894.00
	400 MM DIA	Metre	2868.00	2996.00	3105.00	3250.00	3378.00
	450 MM DIA	Metre	3365.00	3494.00	3685.00	3866.00	4087.00
	500 MM DIA	Metre	3832.00	3987.00	4215.00	4479.00	4735.00
	600 MM DIA	Metre	4870.00	5072.00	5380.00	5928.00	6204.00
	700 MM DIA	Metre	5840.00	6106.00	6848.00	7469.00	8035.00
	800 MM DIA	Metre	7148.00	7486.00	8082.00	8792.00	9493.00
	900 MM DIA	Metre	8936.00	9316.00	10121.00	10977.00	11886.00
	1000 MM DIA	Metre	10709.00	11202.00	12050.00	13142.00	14166.00
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. Rates for 2009-10. Rs.				
			3 Bar	6 Bar	9 Bar	12 Bar	15 Bar
	300 MM DIA	Metre	88.00	88.00	88.00	88.00	88.00
	350 mm dia	Metre	132.00	132.00	132.00	132.00	132.00
	400 mm dia	Metre	198.00	198.00	198.00	198.00	198.00
	450 mm dia	Metre	242.00	242.00	242.00	242.00	242.00
	500 mm dia	Metre	308.00	308.00	308.00	308.00	308.00
	600 mm dia	Metre	330.00	330.00	330.00	330.00	330.00
	700 mm dia	Metre	374.00	374.00	374.00	374.00	374.00
	800 mm dia	Metre	440.00	440.00	440.00	440.00	440.00
	900 mm dia	Metre	484.00	484.00	484.00	484.00	484.00
	1000 mm dia	Meter	561.00	561.00	561.00	561.00	561.00

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%) 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 form the principal manufacturers.

The rates of raw materials are:

- 1) Hoop Glass Fibre Rovings - Rs.80.69/kg (Excluding CED&ST)
 2) Chop Glass - Rs.102.18/kg (Excluding CED&ST)
 3) Resin - Rs.95.00/kg (Excluding CED&ST)

16. S. RATES FOR H.D.P.E PIPES FOR THE YEAR 2009-10. (PE - 80 Grade)

Sl.No	Description	2.5 kg/ sqcm	4.0 kg/ sqcm
1	2	3	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 up to 90 mm dia in coil & above 90 mm dia straight length in 6 M.)		
	Rate per Meter		
	OD 20 mm	-	-
	OD 25 mm	-	-
	OD 32 mm	-	-
	OD 40 mm	-	31.00
	OD 50 mm	-	45.00
	OD 63 mm	40.00	62.00
	OD 75 mm	63.00	85.00
	OD 90 mm	84.00	123.00
	OD 110 mm	118.00	183.00
	OD 125 mm	149.00	236.00
	OD 140 mm	194.00	292.00
	OD 160 mm	251.00	382.00
	OD 180 mm	312.00	482.00
	OD 200 mm	383.00	590.00
	OD 225 mm	500.00	771.00
	OD 250 mm	616.00	954.00
	OD 280 mm	774.00	1189.00
	OD 315 mm	972.00	1511.00
	OD 355 mm	1182.00	1825.00
	OD 400 mm	1533.00	2365.00
	OD 450 mm	1935.00	3004.00
	OD 500 mm	2384.00	3692.00
	OD 560 mm(New Item)	2943.00	4555.00
	OD 630 mm(New Item)	3723.00	5761.00
	OD 710 mm(New Item)	4736.00	7321.00
	OD 800 mm(New Item)	6002.00	9268.00
	OD 900 mm(New Item)	7565.00	11743.00
	OD 1000 mm(New Item)	9326.00	14460.00

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.75,610/- 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. S.S. RATES FOR H.D.P.E PIPES FOR THE YEAR 2009-10. (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 up to 90 mm dia in coil & above 90 mm dia straight length in 6 M.)				(New Item)	(New Item)
	Rate per Meter					
	OD 25 mm					30.00
	OD 32 mm			32.00	42.00	50.00
	OD 40 mm		41.00	49.00	64.00	77.00
	OD 50 mm	51.00	63.00	76.00	100.00	119.00
	OD 63 mm	76.00	97.00	117.00	157.00	188.00
	OD 75 mm	108.00	137.00	165.00	224.00	267.00
	OD 90 mm	154.00	196.00	235.00	318.00	385.00
	OD 110 mm	231.00	293.00	349.00	478.00	572.00
	OD 125 mm	295.00	377.00	452.00	613.00	739.00
	OD 140 mm	370.00	472.00	567.00	771.00	927.00
	OD 160 mm	483.00	615.00	739.00	1004.00	1207.00
	OD 180 mm	608.00	779.00	934.00	1268.00	1527.00
	OD 200 mm	753.00	961.00	1152.00	1571.00	1881.00
	OD 225 mm	975.00	1245.00	1498.00	1980.00	2385.00
	OD 250 mm	1200.00	1540.00	1849.00	2446.00	2938.00
	OD 280 mm	1504.00	1927.00	2316.00	3075.00	3688.00
	OD 315 mm	1907.00	2440.00	2930.00	3876.00	4663.00
	OD 355 mm	2389.00	3052.00	3668.00	4930.00	5916.00
	OD 400 mm	3155.00	4025.00	4825.00	6383.00	7657.00
	OD 450 mm (New Item)	3910.00	5007.00	6017.00	8067.00	9660.00
	OD 500 mm (New Item)	4833.00	6173.00	7419.00	9968.00	11896.00
	OD 560 mm(New Item)	5543.00	7083.00	8452.00	10967.00	
	OD 630 mm(New Item)	6984.00	8961.00	10706.00	12839.00	
	OD 710 mm(New Item)	8890.00	11355.00	13598.00		
	OD 800 mm(New Item)	11282.00	14418.00	17328.00		
	OD 900 mm(New Item)	14292.00	18252.00			
	OD 1000 mm(New Item)	17624.00				

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.76,610/- 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. RATES FOR H.D.P.E FITTINGS FOR THE YEAR 2009-10.

	Manufacture, supply, & 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	(New Item)
I (a)	PIPE ENDS LONG NECK	Rate per Each
	OD 50 mm	54.00
	OD 63 mm	68.00
	OD 75 mm	81.00
	OD 90 mm	105.00
	OD 110 mm	145.00
	OD 125 mm	260.00
	OD 140 mm	263.00
	OD 160 mm	366.00
	OD 180 mm	520.00
	OD 200 mm	669.00
	OD 225 mm	767.00
	OD 250 mm	897.00
	OD 280 mm	1005.00
	OD 315 mm	1158.00
	OD 355 mm	2419.00
	OD 400 mm	3224.00
	OD 450 mm	5365.00
	OD 500 mm	5971.00
(b)	MS FLANGES	Rate per Each
	OD 50 mm	97.00
	OD 63 mm	124.00
	OD 75 mm	155.00
	OD 90 mm	167.00
	OD 110 mm	175.00
	OD 125 mm	242.00
	OD 140 mm	261.00
	OD 160 mm	343.00
	OD 180 mm	484.00
	OD 200 mm	627.00
	OD 225 mm	784.00
	OD 250 mm	926.00
	OD 280 mm	1051.00
	OD 315 mm	1236.00
	OD 355 mm	2093.00

	OD 400 mm	2596.00
	OD 450 mm	3388.00
	OD 500 mm	3881.00
(c)	END CAPS	Rate per Each
	OD 50 mm	35.00
	OD 63 mm	43.00
	OD 75 mm	55.00
	OD 90 mm	71.00
	OD 110 mm	83.00
	OD 125 mm	114.00
	OD 140 mm	133.00
	OD 160 mm	203.00
	OD 180 mm	329.00
	OD 200 mm	361.00
	OD 225 mm	376.00
	OD 250 mm	533.00
	OD 280 mm	545.00
	OD 315 mm	748.00
	OD 355 mm	1153.00
	OD 400 mm	2015.00
	OD 450 mm	3240.00
	OD 500 mm	5971.00
(d)	REDUCERS	Rate per Each
	OD 50 mm	49.00
	OD 63 mm	72.00
	OD 75 mm	118.00
	OD 90 mm	164.00
	OD 110 mm	248.00
	OD 125 mm	344.00
	OD 140 mm	480.00
	OD 160 mm	665.00
	OD 180 mm	859.00
	OD 200 mm	1055.00
	OD 225 mm	1437.00
	OD 250 mm	2042.00
	OD 280 mm	2887.00
	OD 315 mm	3310.00
	OD 355 mm	4673.00

	OD 400 mm	4846.00
	OD 450 mm	5841.00
	OD 500 mm	8827.00
(e)	TEES	Rate per Each
	OD 50 mm	69.00
	OD 63 mm	108.00
	OD 75 mm	132.00
	OD 90 mm	233.00
	OD 110 mm	275.00
	OD 125 mm	415.00
	OD 140 mm	574.00
	OD 160 mm	987.00
	OD 180 mm	1340.00
	OD 200 mm	1843.00
	OD 225 mm	2617.00
	OD 250 mm	3583.00
	OD 280 mm	5018.00
	OD 315 mm	7153.00
	OD 355 mm	10200.00
	OD 400 mm	14938.00
	OD 450 mm	21220.00
	OD 500 mm	29142.00
(f)	BENDS	Rate per Each
	OD 50 mm	43.00
	OD 63 mm	97.00
	OD 75 mm	125.00
	OD 90 mm	215.00
	OD 110 mm	284.00
	OD 125 mm	418.00
	OD 140 mm	550.00
	OD 160 mm	820.00
	OD 180 mm	1178.00
	OD 200 mm	1597.00
	OD 225 mm	2265.00
	OD 250 mm	3105.00
	OD 280 mm	4478.00
	OD 315 mm	6192.00
	OD 355 mm	8583.00

	OD 400 mm	12946.00
	OD 450 mm	19034.00
	OD 500 mm	25803.00
II	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 up to site, transit insurance, loading, unloading, stacking, providing and fixing etc. complete as specified and directed	
	SIZE	Rate Each
	(Main pipe outer diameter in mm & Tapping size in Inches)	Rs.
	63x1/2"	799.20
	63 x3/4"	799.20
	63 x1"	799.20
	63 x1/2"	799.20
	75 x1/2"	799.20
	75 x3/4"	799.20
	75 x1	799.20
	90 x1/2"	799.20
	90 x3/4"	799.20
	90 x1"	799.20
	90 x 1 1/4"	1036.80
	90 x 1 1/2"	1036.80
	90 x2"	1036.80
	110x1/2"	799.20
	110 x3/4"	799.20
	110 x1"	799.20
	110 x 1 1/4"	1036.80
	110x1 1/2"	1036.80
	110x2"	1036.80
	160 x1/2"	799.20
	160 x3/4"	799.20
	160 x1"	799.20
	160 x 1 1/4"	1132.80
	160 x 1 1/2"	1132.80
	160 x 2"	1132.80
	200 x 1/2"	1128.00
	200 x 3/4"	1128.00
	200 x 1"	1128.00

	200 x 1 1/4"	1632.00
	200 x 2"	1632.00
	250 x 1/2"	1128.00
	250 x 3/4"	1128.00
	250 x 1"	1128.00
	250 x 1 1/4"	1632.00
	250 x 1 1/2"	1632.00
	250 x 2"	1632.00
	315 x 1/2"	1344.00
	315 x 3/4"	1344.00
	315x1"	1344.00
	315x1 1/4"	1824.00
	315x1 1/2"	1824.00
	315x2"	1824.00

19. S. RATES FOR PVC PIPES FOR THE YEAR 2009-10

Sl. No.	Description	TEST PRESSURE			
		2.5 Kgs/cm ²	4.0 Kgs/cm ²	6 Kgs/cm ²	10 Kgs/cm ²
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				9.00
	25				14.00
	32				22.00
	40			22.00	34.00
	50			33.00	53.00
	63		35.00	50.00	78.00
	75		51.00	70.00	111.00
	90	47.00	71.00	101.00	157.00
	110	70.00	103.00	146.00	236.00
	125	90.00	134.00	185.00	309.00
	140	110.00	167.00	240.00	381.00
	160	146.00	221.00	311.00	502.00
	180	184.00	282.00	402.00	643.00
	200	235.00	343.00	488.00	781.00
	225	303.00	448.00	647.00	1031.00
	250	368.00	524.00	805.00	1267.00
	280	473.00	689.00	1015.00	1604.00
	315	596.00	874.00	1274.00	2024.00

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.50,957/- 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.RATES FOR NON- PRESSURE P.V.C.U PIPES FOR THE YEAR 2009-10

Code No	Description	
1	2	4
	Manufacture, supply, & delivery of Unplasticised 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) <u>with solvent cement jointing</u> as per specification inclusive of transportation to the Sub-Divisional stores any where in A.P, excluding Central Excise duty, Cess, & VAT etc.,	S. Rates for 2009-10
	Rate per Meter	Rs.
	Pipe Series (S25)	
	OD 110 mm	-
	OD 125 mm	-
	OD 160 mm	192.00
	OD 200 mm	292.00
	OD 250mm	453.00
	OD 315 mm	714.00
	Pipe Series (S20)	
	OD 110 mm	-
	OD 125 mm	149.00
	OD 160 mm	238.00
	OD 200 mm	361.00
	OD 250mm	563.00
	OD 315 mm	884.00
	Pipe Series (S16.5)	
	OD 110 mm	131.00
	OD 125 mm	177.00
	OD 160 mm	276.00
	OD 200 mm	429.00
	OD 250mm	665.00
	OD 315 mm	1050.00

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.50,957/- 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. RATES FOR NON- PRESSURE P.V.C.U PIPES FOR THE YEAR 2009-10

Code No	Description	
1	2	4
	Manufacture, supply, & delivery of Unplasticised 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 Elastomeric Seal Ring Joints (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.,	S. Rates for the 2009-10
	Rate per Meter	Rs.
	Pipe Series (S25)	
	OD 110 mm	-
	OD 125 mm	-
	OD 160 mm	206.00
	OD 200 mm	313.00
	OD 250mm	485.00
	OD 315 mm	764.00
	Pipe Series (S20)	
	OD 110 mm	-
	OD 125 mm	161.00
	OD 160 mm	254.00
	OD 200 mm	384.00
	OD 250mm	600.00
	OD 315 mm	941.00
	Pipe Series (S16.5)	
	OD 110 mm	140.00
	OD 125 mm	189.00
	OD 160 mm	295.00
	OD 200 mm	455.00
	OD 250mm	707.00
	OD 315 mm	1116.00

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.50,957/- 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. RATES FOR CENTRIFUGALLY CAST (SPUN)IRON PRESSURE PIPES

Sl. No.	Description	Unit	S. Rates for 2009-10		
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	611.00	663.00	712.00
	100	Rmt	740.00	814.00	869.00
	125	Rmt	928.00	1014.00	1091.00
	150	Rmt	1117.00	1223.00	1318.00
	200	Rmt	1630.00	1769.00	1914.00
	250	Rmt	2196.00	2392.00	2588.00
	300	Rmt	2833.00	3097.00	3355.00
	350	Rmt	3634.00	3942.00	4276.00
	400	Rmt	4424.00	4835.00	5219.00
	450	Rmt	5358.00	5887.00	6349.00
	500	Rmt	6350.00	6917.00	7484.00
	600	Rmt	8384.00	9153.00	9914.00
	700	Rmt	11082.00	12107.00	13080.00
	750	Rmt	12411.00	13570.00	14721.00
	800	Rmt	13893.00	15137.00	16374.00
	900	Rmt	16931.00	21675.00	20017.00
	1000	Rmt	20341.00	22220.00	24016.00
II	NEW ITEM				
	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
	100 Per KM/RMT		0.18	0.19	0.20
	125 Per KM/RMT		0.25	0.26	0.28
	150 Per KM/RMT		0.29	0.31	0.32
	200 Per KM/RMT		0.44	0.46	0.48
	250 Per KM/RMT		0.54	0.57	0.60

	300	Per KM/RMT		0.79	0.83	0.88
	350	Per KM/RMT		1.00	1.05	1.11
	400	Per KM/RMT		1.21	1.27	1.34
	450	Per KM/RMT		1.45	1.53	1.61
	500	Per KM/RMT		1.74	1.83	1.93
	600	Per KM/RMT		1.61	1.70	1.79
	700	Per KM/RMT		1.74	1.83	1.93
	750	Per KM/RMT		2.90	3.05	3.22
	800	Per KM/RMT		4.84	4.84	4.84
	900	Per KM/RMT		4.84	4.84	4.84
	1000	Per KM/RMT		4.84	4.84	4.84

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. 19,000/-

23.S. RATES FOR DUCTILE IRON PRESSURE PIPES

Sl. No.	Description	Unit	S. Rate for 2009-10	
1	2	3	4	5
1	CENTRIFUGALLY CAST (SPUN) DUCTILE IRON PRESSURE PIPES FOR WATER, GAS AND SEWAGE WITH SOCKET SPIGOT ENDS 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 JOINTING) WITH CEMENT MORTAR LINING INSIDE THE PIPES WITH OUTSIDE ZINC COATING. RATES ARE EX-FACTORY, EXCLUDING TRANSPORTATION, TAXES & DUTIES.			
	Nominal Dia in mm	Rmt	K9	K7
	100	Rmt	858.00	768.00
	150	Rmt	1264.00	1024.00
	200	Rmt	1685.00	1479.00
	250	Rmt	2210.00	1989.00
	300	Rmt	2799.00	2560.00
	350	Rmt	3490.00	3224.00
	400	Rmt	4211.00	3920.00
	450	Rmt	5041.00	4726.00
	500	Rmt	5864.00	5640.00
	600	Rmt	7732.00	7510.00
	700	Rmt	10019.00	9734.00
	750	Rmt	11241.00	10913.00
	800	Rmt	12399.00	12046.00
	900	Rmt	15132.00	14704.00
	1000	Rmt	17922.00	17415.00
2	CENTRIFUGALLY CAST (SPUN) DUCTILE IRON PRESSURE PIPES FOR WATER, GAS AND SEWAGE WITH PLAIN ENDS CONFORMING TO I.S.: 8329/2000 IN 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.			
	Nominal Dia in mm		K9	K7
	100	Rmt	785.00	647.00
	150	Rmt	1147.00	929.00
	200	Rmt	1562.00	1334.00
	250	Rmt	2075.00	1733.00
	300	Rmt	2626.00	2293.00
	350	Rmt	3263.00	2883.00
	400	Rmt	3937.00	3495.00
	450	Rmt	4648.00	4196.00
	500	Rmt	5571.00	5001.00
	600	Rmt	7169.00	6629.00
	700	Rmt	9096.00	8820.00

	750	Rmt	10192.00	9874.00
	800	Rmt	11252.00	10910.00
	900	Rmt	13607.00	13193.00
	1000	Rmt	16176.00	15684.00
3	CENTRIFUGALLY CAST (SPUN) DUCTILE IRON PRESSURE PIES WITH FLANGED (WELDED) ENDS 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 CEMENT MORTAR LINING INSIDE THE PIPES WITH OUTSIDE ZINC COATING. RATES ARE EX-FACTORY, EXCLUDING TRANSPORTATION, TAXES & DUTIES.			
	Nominal Dia in mm		1.0 Mt. Length	2.0 Mt. Length
	100	Each	3275.00	4202.00
	150	Each	4611.00	5951.00
	200	Each	6068.00	7887.00
	250	Each	7913.00	10341.00
	300	Each	9861.00	12922.00
	350	Each	15520.00	19327.00
	400	Each	19404.00	24006.00
	450	Each	23445.00	28872.00
	500	Each	28362.00	34739.00
	600	Each	40164.00	48552.00
	700	Each	47943.00	58586.00
	800	Each	59081.00	72245.00
	900	Each	70387.00	86304.00
	1000	Each	90383.00	109305.00
			3.0 Mt. Length	4.0 Mt. Length
	100	Each	5131.00	5550.00
	150	Each	7292.00	8003.00
	200	Each	9708.00	10801.00
	250	Each	12768.00	14259.00
	300	Each	15981.00	17955.00
	350	Each	23135.00	25067.00
	400	Each	28608.00	30545.00
	450	Each	34297.00	36497.00
	500	Each	41118.00	43626.00
	600	Each	56937.00	59821.00
	700	Each	69229.00	73222.00
	800	Each	85407.00	90421.00
	900	Each	102222.00	108478.00
	1000	Each	128226.00	134667.00

			5.0 Mt. Length	
	100	Each	6456.00	
	150	Each	9332.00	
	200	Each	12621.00	
	250	Each	16683.00	
	300	Each	21022.00	
	350	Each	28873.00	
	400	Each	35140.00	
	450	Each	41919.00	
	500	Each	49990.00	
	600	Each	68187.00	
	700	Each	83842.00	
	800	Each	103555.00	
	900	Each	128363.00	
	1000	Each	153547.00	
4	NEW ITEM			
	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
	100	Per KM/RMT	0.17	0.18
	150	Per KM/RMT	0.25	0.28
	200	Per KM/RMT	0.32	0.37
	250	Per KM/RMT	0.42	0.48
	300	Per KM/RMT	0.53	0.61
	350	Per KM/RMT	0.66	0.75
	400	Per KM/RMT	0.79	0.90
	450	Per KM/RMT	0.97	1.08
	500	Per KM/RMT	1.12	1.25
	600	Per KM/RMT	1.61	1.65
	700	Per KM/RMT	2.42	2.42
	750	Per KM/RMT	2.90	2.90
	800	Per KM/RMT	4.84	4.84
	900	Per KM/RMT	4.84	4.84
	1000	Per KM/RMT	4.84	4.84

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 SSR =Rs.19,000

24. S. RATES FOR DUCTILE IRON FITTINGS

Sl. No.	Description	Unit	
1	2	3	
	CENTRIFUGALLY CAST (SPUN) DUCTILE IRON FITTINGS CONFORMING TO IS:9523/2000 HAVING DIMENTIONS 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		
	Nominal dia in mm		
	80 x 80	Each	946.00
	100 x 80	Each	1,096.00
	100 x 100	Each	1,244.00
	150 x 80	Each	1,530.00
	150 x 100	Each	1,680.00
	150 x 150	Each	2,049.00
	200 x 80	Each	2,110.00
	200 x 100	Each	2,257.00
	200 x 150	Each	2,705.00
	200 x 200	Each	3,220.00
	250 x 80	Each	2,659.00
	250 x 100	Each	2,866.00
	250 x 150	Each	3,355.00
	250 x 200	Each	3,897.00
	250 x 250	Each	4,633.00
	300 x 80	Each	3,356.00
	300 x 100	Each	3,763.00
	300x 150	Each	4,678.00
	300x 200	Each	4,875.00
	300x 250	Each	6,097.00
	300 x 300	Each	6,525.00
	350 x 80	Each	5,327.00
	350 x 100	Each	4,863.00
	350 x 150	Each	6,429.00
	350 x 200	Each	6,390.00
	350 x 250	Each	8,266.00
	350 x 300	Each	10,103.00
	350 x 350	Each	9,462.00
	400 x 80	Each	5,630.00
	400 x 100	Each	5,870.00
	400 x 150	Each	6,712.00
	400 x 200	Each	7,516.00

	400 x 250	Each	10,103.00
	400 x 300	Each	9,495.00
	400 x 350	Each	11,940.00
	400 x 400	Each	12,216.00
	450 x 80		7,991.00
	450 x 100		7,146.00
	450 x 150		9,001.00
	450 x 200		9,920.00
	450 x 250		9,860.00
	450 x 300		12,308.00
	450 x 350		15,614.00
	450 x 400		15,706.00
	450 x 450		15,890.00
	500 x 80		10,070.00
	500 x 100		9,176.00
	500 x 150		12,144.00
	500 x 200		11,409.00
	500 x 250		14,809.00
	500 x 300		15,204.00
	500 x 350		16,981.00
	500 x 400		16,558.00
	500 x 450		19,746.00
	500 x 500		20,253.00
	600 x 80		14,908.00
	600 x 100		15,303.00
	600 x 150		16,290.00
	600 x 200		15,364.00
	600 x 250		17,870.00
	600 x 300		19,746.00
	600 x 350		22,707.00
	600 x 400		24,188.00
	600 x 450		28,137.00
	600 x 500		28,631.00
	600 x 600		32,580.00
	700X200		26,811.00
	700X400		38,473.00
	700X700 NEW ITEM		50,598.00
	750X200 NEW ITEM		30,570.00
	750X400 NEW ITEM		36,156.00
	750X750 NEW ITEM		59,452.00
	800X200 NEW ITEM		30,148.00
	800X400 NEW ITEM		42,692.00
	800X600 NEW ITEM		64,301.00
	800X800 NEW ITEM		65,566.00
	900X200 NEW ITEM		38,791.00

	900X400 NEW ITEM		52,074.00
	900X600 NEW ITEM		84,330.00
	900X900 NEW ITEM		88,757.00
	1000X200 NEW ITEM		49,135.00
	1000X400 NEW ITEM		62,748.00
II	DI All socket Tees		
	Nominal dia in mm		
	80 x 80	Each	869.00
	100 x 80	Each	1,013.00
	100 x 100	Each	1,089.00
	150 x 80	Each	1,448.00
	150 x 100	Each	1,521.00
	150 x 150	Each	1,809.00
	200 x 80	Each	2,023.00
	200 x 100	Each	2,164.00
	200 x 150	Each	2,459.00
	200 x 200	Each	2,913.00
	250 x 80	Each	2,572.00
	250 x 100	Each	2,632.00
	250 x 150	Each	3,115.00
	250 x 200	Each	3,523.00
	250 x 250	Each	4,039.00
	300 x 80	Each	4,119.00
	300 x 100	Each	3,664.00
	300 x150	Each	4,779.00
	300x 200	Each	4,555.00
	300 x250	Each	5,767.00
	300 x 300	Each	5,699.00
	350x80	Each	5,327.00
	350x100	Each	5,419.00
	350x150	Each	6,246.00
	350x200	Each	6,889.00
	350x250	Each	8,266.00
	350x300	Each	9,185.00
	350x350	Each	9,368.00
	400x80	Each	6,705.00
	400x100	Each	6,613.00
	400x150	Each	8,266.00
	400x200	Each	8,450.00
	400x250	Each	9,644.00
	400x300	Each	11,022.00
	400x350	Each	11,665.00
	400x400	Each	11,940.00
	450x80	Each	8,083.00
	450x100	Each	8,266.00

	450x150	Each	9,644.00
	450x200	Each	10,563.00
	450x250	Each	11,022.00
	450x300	Each	12,859.00
	450x350	Each	13,777.00
	450x400	Each	15,155.00
	450x450	Each	15,430.00
	500x80	Each	10,366.00
	500x100	Each	10,564.00
	500x150	Each	12,341.00
	500x200	Each	12,835.00
	500x250	Each	14,809.00
	500x300	Each	15,796.00
	500x350	Each	17,277.00
	500x400	Each	18,296.00
	500x450	Each	19,746.00
	500x500	Each	20,239.00
	600x80	Each	16,389.00
	600x100	Each	16,586.00
	600x150	Each	16,784.00
	600x200	Each	16,981.00
	600x250	Each	18,265.00
	600x300	Each	20,733.00
	600x350	Each	22,609.00
	600x400	Each	23,695.00
	600x450	Each	26,657.00
	600x500	Each	28,631.00
	600x600	Each	29,618.00
III	DI double socket TAPERS (Reducer)		
	Nominal dia in mm		
	100 x 80	Each	571.00
	150 x 80	Each	930.00
	150 x 100	Each	922.00
	200x80	Each	1,579.00
	200 x 100	Each	1,433.00
	200 x 150	Each	1,413.00
	250x80	Each	2,224.00
	250x100	Each	2,142.00
	250 x 150	Each	2,003.00
	250 x 200	Each	1,936.00
	300x100	Each	3,131.00
	300 x 150	Each	2,760.00
	300x 200	Each	2,746.00
	300 x 250	Each	2,545.00

	350 x 150	Each	4,592.00
	350 x 200	Each	3,980.00
	350 x 250	Each	3,819.00
	350 x 300	Each	3,590.00
	400x200	Each	6,246.00
	400 x 250	Each	4,992.00
	400 x 300	Each	4,837.00
	400 x 350	Each	4,437.00
	450x200	Each	7,807.00
	450x250	Each	7,440.00
	450x300	Each	6,797.00
	450 x 350	Each	5,950.00
	450 x 400	Each	5,559.00
	500x250	Each	9,675.00
	500x300	Each	9,478.00
	500 x 350	Each	8,179.00
	500 x 400	Each	7,669.00
	500x450	Each	8,392.00
	600x300	Each	14,217.00
	600x350	Each	14,710.00
	600x400	Each	13,822.00
	600x450	Each	13,427.00
	600 x 500	Each	10,764.00
	700 x 500 NEW ITEM	Each	17,837.00
	700 x 600 NEW ITEM	Each	15,995.00
	750 x 500 NEW ITEM	Each	20,649.00
	750 x 600 NEW ITEM	Each	20,164.00
	800 x 600 NEW ITEM	Each	23,072.00
	800 x 700 NEW ITEM	Each	22,878.00
	900 x 700 NEW ITEM	Each	32,282.00
	900 x 800 NEW ITEM	Each	30,052.00
	1000 x 800 NEW ITEM	Each	39,843.00
	1000 x 900 NEW ITEM	Each	35,481.00
IV	DI Flanged socket	PN-10	
	Nominal dia in mm	Rate/Unit	
	80	639.00	639.00
	100	725.00	725.00
	150	1,129.00	1,129.00
	200	1,611.00	1,611.00
	250	2,121.00	2,121.00
	300	2,717.00	2,717.00
	350	3,789.00	3,789.00
	400	4,564.00	4,564.00
	450	5,348.00	5,348.00

	500	6,967.00	6,967.00
	600	10,366.00	10,366.00
	700 (NEW ITEM)	18,946.00	18,946.00
	750 NEW ITEM	24,226.00	24,226.00
	800 NEW ITEM	24,192.00	24,192.00
	900 NEW ITEM	30,514.00	30,514.00
	1000 NEW ITEM	39,275.00	39,275.00
V	DI Flanged Spigot	PN-10	
	Nominal dia in mm	Rate/Unit	
	80	646.00	646.00
	100	807.00	807.00
	150	1,049.00	1,049.00
	200	1,340.00	1,340.00
	250	1,916.00	1,916.00
	300	2,653.00	2,653.00
	350	3,491.00	3,491.00
	400	4,840.00	4,840.00
	450	5,917.00	5,917.00
	500	7,201.00	7,201.00
	600	9,580.00	9,580.00
	700 NEW ITEM	25,054.00	25,054.00
	750 NEW ITEM	27,746.00	27,746.00
	800 NEW ITEM	29,033.00	29,033.00
	900 NEW ITEM	37,101.00	37,101.00
	1000 NEW ITEM	45,030.00	45,030.00
VI	DI double Socket Duck foot bend.	Rate/Unit	
	80	Each	1,145.00
	100	Each	1,461.00
	150	Each	2,447.00
	200	Each	4,105.00
	250	Each	6,509.00
	300	Each	8,733.00
	350	Each	13,226.00
	400	Each	16,533.00
	450	Each	21,125.00
	500	Each	32,580.00
	600	Each	43,440.00
VII	DI double Flange Duckfoot bend.		
	80	Each	1,415.00
	100	Each	1,697.00
	150	Each	2,926.00
	200	Each	4,774.00
	250	Each	7,899.00
	300	Each	10,930.00
	350	Each	15,754.00

	400	Each	19,451.00
	450	Each	27,556.00
	500	Each	39,380.00
	600	Each	51,389.00
VIII	DI All socket Cross.		
	Nominal dia in mm		
	80 x 80	Each	1,263.00
	100 x 80	Each	1,461.00
	100 x 100	Each	1,579.00
	150 x 80	Each	1,848.00
	150 x 100	Each	2,053.00
	150 x 150	Each	2,684.00
	200 x 80	Each	2,668.00
	200 x 100	Each	2,877.00
	200 x 150	Each	3,790.00
	200 x 200	Each	4,105.00
	250 x 80	Each	3,707.00
	250 x 100	Each	4,037.00
	250 x 150	Each	4,284.00
	250 x 200	Each	5,273.00
	250 x 250	Each	6,261.00
	300 x 80	Each	4,779.00
	300 x 100	Each	4,861.00
	300 x150	Each	5,438.00
	300x 200	Each	6,465.00
	300 x250	Each	6,756.00
	300 x 300	Each	8,568.00
	350x80	Each	6,797.00
	350x100	Each	6,889.00
	350x150	Each	8,174.00
	350x200	Each	8,266.00
	350x250	Each	9,277.00
	350x300	Each	11,940.00
	350x350	Each	12,491.00
	400x80	Each	8,634.00
	400x100	Each	8,677.00
	400x150	Each	8,726.00
	400x200	Each	8,768.00
	400x250	Each	14,604.00
	400x300	Each	15,522.00
	400x350	Each	15,880.00
	400x400	Each	16,058.00
	450x80	Each	10,287.00
	450x100	Each	10,471.00

	450x150	Each	12,491.00
	450x200	Each	12,675.00
	450x250	Each	17,267.00
	450x300	Each	18,002.00
	450x350	Each	19,196.00
	450x400	Each	20,115.00
	450x450	Each	20,574.00
	500x80	Each	13,427.00
	500x100	Each	13,526.00
	500x150	Each	16,290.00
	500x200	Each	16,488.00
	500x250	Each	21,720.00
	500x300	Each	21,819.00
	500x350	Each	22,214.00
	500x400	Each	24,090.00
	500x450	Each	27,150.00
	500x500	Each	26,854.00
	600x80	Each	21,424.00
	600x100	Each	21,523.00
	600x150	Each	21,621.00
	600x200	Each	21,918.00
	600x250	Each	28,829.00
	600x300	Each	28,730.00
	600x350	Each	29,322.00
	600x400	Each	31,692.00
	600x450	Each	38,701.00
	600x500	Each	39,491.00
	600x600	Each	39,491.00
IX	DI All Flange Tee.		
	Nominal dia in mm		
	80 x 80	Each	1,415.00
	100 x 80	Each	1,591.00
	100 x 100	Each	1,680.00
	150 x 80	Each	2,475.00
	150 x 100	Each	2,564.00
	150 x 150	Each	2,829.00
	200 x 80	Each	3,625.00
	200 x 100	Each	3,820.00
	200 x 150	Each	3,978.00
	200 x 200	Each	4,332.00
	250 x 80	Each	5,878.00
	250 x 100	Each	5,970.00
	250 x 150	Each	6,338.00
	250 x 200	Each	6,980.00

	250 x 250	Each	7,072.00
	300 x 80	Each	7,623.00
	300 x 100	Each	7,951.00
	300 x150	Each	8,817.00
	300x 200	Each	8,726.00
	300 x250	Each	9,460.00
	300 x 300	Each	10,379.00
	350x80	Each	11,245.00
	350x100	Each	11,346.00
	350x150	Each	11,448.00
	350x200	Each	11,911.00
	350x250	Each	13,474.00
	350x300	Each	13,879.00
	350x350	Each	15,500.00
	400x80	Each	13,677.00
	400x100	Each	14,183.00
	400x150	Each	15,095.00
	400x200	Each	14,690.00
	400x250	Each	15,399.00
	400x300	Each	16,007.00
	400x350	Each	17,020.00
	400x400	Each	17,222.00
	450x80	Each	17,628.00
	450x100	Each	17,830.00
	450x150	Each	18,641.00
	450x200	Each	18,843.00
	450x250	Each	19,654.00
	450x300	Each	19,755.00
	450x350	Each	20,262.00
	450x400	Each	21,072.00
	450x450	Each	22,794.00
	500x80	Each	22,503.00
	500x100	Each	22,719.00
	500x150	Each	23,044.00
	500x200	Each	23,260.00
	500x250	Each	23,801.00
	500x300	Each	28,886.00
	500x350	Each	29,103.00
	500x400	Each	29,319.00
	500x450	Each	31,375.00
	500x500	Each	31,915.00
	600x80	Each	37,758.00
	600x100	Each	37,866.00
	600x150	Each	38,948.00

	600x200	Each	40,030.00
	600x250	Each	40,246.00
	600x300	Each	40,571.00
	600x350	Each	41,111.00
	600x400	Each	41,652.00
	600x450	Each	42,193.00
	600x500	Each	43,275.00
	600x600	Each	45,980.00
	700X200	Each	39,137.00
	700X400	Each	50,499.00
	700X700	Each	75,749.00
	750X200	Each	47,217.00
	750X400	Each	58,327.00
	750X750	Each	86,606.00
	800X200	Each	51,762.00
	800X400	Each	64,386.00
	800X600	Each	97,211.00
	800X800	Each	100,493.00
	900X200	Each	65,018.00
	900X400	Each	75,749.00
	900X600	Each	121,198.00
	900X900	Each	142,660.00
	1000X200	Each	91,270.00
	1000X400	Each	137,182.00
	1000X1000 (New Item)	Each	153,177.00
X	DI All Flange Cross.		
	Nominal dia in mm		
	80 x 80	Each	1,945.00
	100 x 80	Each	2,078.00
	100 x 100	Each	2,299.00
	150 x 80	Each	3,271.00
	150 x 100	Each	3,448.00
	150 x 150	Each	3,713.00
	200 x 80	Each	4,420.00
	200 x 100	Each	4,597.00
	200 x 150	Each	5,304.00
	200 x 200	Each	5,835.00
	250 x 80	Each	7,807.00
	250 x 100	Each	7,991.00
	250 x 150	Each	8,909.00
	250 x 200	Each	9,828.00
	250 x 250	Each	10,103.00
	300 x 80	Each	10,838.00
	300 x 100	Each	10,930.00
	300 x150	Each	11,389.00

	300x 200	Each	12,032.00
	300 x250	Each	12,216.00
	300 x 300	Each	13,134.00
	350x80	Each	15,804.00
	350x100	Each	16,007.00
	350x150	Each	16,209.00
	350x200	Each	16,817.00
	350x250	Each	17,324.00
	350x300	Each	17,425.00
	350x350	Each	19,147.00
	400x80	Each	18,438.00
	400x100	Each	20,262.00
	400x150	Each	20,363.00
	400x200	Each	20,869.00
	400x250	Each	21,173.00
	400x300	Each	15,005.00
	400x350	Each	23,807.00
	400x400	Each	23,909.00
	450x80	Each	22,896.00
	450x100	Each	24,719.00
	450x150	Each	24,820.00
	450x200	Each	24,868.00
	450x250	Each	25,530.00
	450x300	Each	25,631.00
	450x350	Each	29,075.00
	450x400	Each	30,088.00
	450x450	Each	30,696.00
	500x80	Each	33,322.00
	500x100	Each	33,863.00
	500x150	Each	33,971.00
	500x200	Each	34,404.00
	500x250	Each	36,243.00
	500x300	Each	37,541.00
	500x350	Each	38,515.00
	500x400	Each	39,921.00
	500x450	Each	40,787.00
	500x500	Each	41,111.00
	600x80	Each	49,009.00
	600x100	Each	49,219.00
	600x150	Each	49,442.00
	600x200	Each	50,307.00
	600x250	Each	50,632.00
	600x300	Each	51,822.00
	600x350	Each	53,464.00

	600x400	Each	57,220.00
	600x450	Each	57,635.00
	600x500	Each	58,145.00
	600x600	Each	59,362.00
XI	DI double Flange Reducer		
	Nominal dia in mm		
	100 x 80	Each	884.00
	150 x 80	Each	1,503.00
	150 x 100	Each	1,591.00
	200x80	Each	2,254.00
	200 x 100	Each	1,768.00
	200 x 150	Each	1,964.00
	250x80	Each	2,939.00
	250x100	Each	3,123.00
	250 x 150	Each	2,755.00
	250 x 200	Each	2,847.00
	300x100	Each	3,858.00
	300 x 150	Each	3,858.00
	300x 200	Each	3,664.00
	300 x 250	Each	3,674.00
	350 x 150	Each	4,225.00
	350 x 200	Each	4,409.00
	350 x 250	Each	4,501.00
	350 x 300	Each	4,592.00
	400x200	Each	5,775.00
	400 x 250	Each	5,876.00
	400 x 300	Each	5,977.00
	400 x 350	Each	6,078.00
	450x200	Each	8,105.00
	450x250	Each	7,801.00
	450x300	Each	7,902.00
	450 x 350	Each	7,092.00
	450 x 400	Each	6,797.00
	500x250	Each	12,333.00
	500x300	Each	11,901.00
	500 x 350	Each	12,009.00
	500 x 400	Each	12,225.00
	500x450	Each	12,550.00
	600x300	Each	18,500.00
	600x350	Each	16,012.00
	600x400	Each	16,228.00
	600x450	Each	16,445.00
	600 x 500	Each	16,661.00
	700X600	Each	35,349.00

	750X600	Each	39,389.00
	800X700	Each	45,449.00
	900X800	Each	56,812.00
	1000X900	Each	72,601.00
	1000x800(New item)	Each	55,906.00
XII	Blank Flange		
	80 (New item)	Each	259.20
	100 (New item)	Each	380.80
	150 (New item)	Each	609.60
	200 (New item)	Each	838.40
	250 (New item)	Each	1,344.00
	300 (New item)	Each	1,929.60
	350 (New item)	Each	2,857.60
	400 (New item)	Each	3,550.40
	450 (New item)	Each	4,848.80
	500 (New item)	Each	5,995.20
	600 (New item)	Each	8,670.40
	700	Each	23,084.00
	750	Each	25,729.00
	800	Each	31,380.00
	900	Each	40,878.00
	1000	Each	58,705.00
XIII	Mechanical Joint		
A.	80 mm		
	MJ-Double Socket bend-90 degree	Each	1,910.00
	MJ-Double Socket bend-45 degree	Each	1,797.00
	MJ-Double Socket bend-22.5 degree	Each	1,740.00
	MJ-Double Socket bend-11.25 degree	Each	1,708.00
	MJ-All Socket Tee-90 degree	Each	2,714.00
	MJ-All Socket flanged branch Tee-90 degree	Each	2,360.00
	MJ-Collar	Each	1,609.00
	MJ-Flanged Socket	Each	1,317.00
B.	100 mm		
	MJ-Double Socket bend-90 degree	Each	1,857.00
	MJ-Double Socket bend-45 degree	Each	1,797.00
	MJ-Double Socket bend-22.5 degree	Each	1,740.00
	MJ-Double Socket bend-11.25 degree	Each	1,708.00
	MJ-All Socket Tee-100X80	Each	2,546.00
	MJ-All Socket Tee-100X100	Each	2,681.00
	MJ-Double Socket flanged branch Tee-100X80	Each	2,360.00
	MJ-Double Socket flanged branch Tee-100X100	Each	2,387.00
	MJ-Double Socket Reducer-100X80	Each	2,033.00
	MJ-Collar	Each	1,830.00
	MJ-Flanged socket	Each	1,317.00

C	150 mm		
	MJ-Double Socket bend-90 degree	Each	3,271.00
	MJ-Double Socket bend-45 degree	Each	3,006.00
	MJ-Double Socket bend-22.5 degree	Each	2,857.00
	MJ-Double Socket bend-11.25 degree	Each	2,782.00
	MJ-All Socket Tee-150X80	Each	3,890.00
	MJ-All Socket Tee-150X100	Each	3,978.00
	MJ-All Socket Tee-150X150	Each	4,774.00
	MJ-Double Socket flanged branch Tee-150X80	Each	3,536.00
	MJ-Double Socket flanged branch Tee-150X100	Each	3,713.00
	MJ-Double Socket flanged branch Tee-150X150	Each	4,155.00
	MJ-Double Socket Reducer-150X80	Each	2,343.00
	MJ-Double Socket Reducer-150x100	Each	2,406.00
	MJ-Collar	Each	2,847.00
	MJ-Flanged socket	Each	1,998.00
D	200 mm		
	MJ-Double Socket bend-90 degree	Each	4,880.00
	MJ-Double Socket bend-45 degree	Each	4,019.00
	MJ-Double Socket bend-22.5 degree	Each	3,754.00
	MJ-Double Socket bend-11.25 degree	Each	3,625.00
	MJ-All Socket Tee-200X80	Each	4098.00
	MJ-All Socket Tee-200X100	Each	5,039.00
	MJ-All Socket Tee-200X150	Each	5,797.00
	MJ-All Socket Tee-200X200	Each	6,454.00
	MJ-Double Socket flanged branch Tee-200X80	Each	4,173.00
	MJ-Double Socket flanged branch Tee-200X100	Each	4,638.00
	MJ-Double Socket flanged branch Tee-200X150	Each	5,169.00
	MJ-Double Socket flanged branch Tee-200X200	Each	5,788.00
	MJ-Double Socket Reducer-200X80	Each	3,050.00
	MJ-Double Socket Reducer-200x100	Each	3,056.00
	MJ-Double Socket Reducer-200x150	Each	3,401.00
	MJ-Collar	Each	3,713.00
	MJ-Flanged socket	Each	2,785.00
E	250 mm		
	MJ-Double Socket bend-90 degree	Each	6,723.00
	MJ-Double Socket bend-45 degree	Each	5,806.00
	MJ-Double Socket bend-22.5 degree	Each	5,298.00
	MJ-Double Socket bend-11.25 degree	Each	5,071.00
	MJ-All Socket Tee-250X80	Each	6,595.00
	MJ-All Socket Tee-250X100	Each	6,685.00
	MJ-All Socket Tee-250X150	Each	8,114.00
	MJ-All Socket Tee-250X200	Each	8,296.00
	MJ-All Socket Tee-250X250	Each	9,277.00
	MJ-Double Socket flanged branch Tee-250X80	Each	6,218.00
	MJ-Double Socket flanged branch Tee-250X100	Each	6,308.00
	MJ-Double Socket flanged branch Tee-250X150	Each	7,276.00
	MJ-Double Socket flanged branch Tee-250X200	Each	7,594.00

	MJ-Double Socket flanged branch Tee-250X250	Each	8,421.00
	MJ-Double Socket Reducer-250X80	Each	4,041.00
	MJ-Double Socket Reducer-250x100	Each	4,225.00
	MJ-Double Socket Reducer-250x150	Each	4,563.00
	MJ-Double Socket Reducer-250x200	Each	4,655.00
	MJ-Collar	Each	5,235.00
	MJ-Flanged socket	Each	3,912.00
F	300 mm		
	MJ-Double Socket bend-90 degree	Each	8,983.00
	MJ-Double Socket bend-45 degree	Each	7,787.00
	MJ-Double Socket bend-22.5 degree	Each	7,023.00
	MJ-Double Socket bend-11.25 degree	Each	6,685.00
	MJ-All Socket Tee-300X80	Each	8,266.00
	MJ-All Socket Tee-300X100	Each	8,358.00
	MJ-All Socket Tee-300X150	Each	9,736.00
	MJ-All Socket Tee-300X200	Each	10,103.00
	MJ-All Socket Tee-300X250	Each	11,573.00
	MJ-All Socket Tee-300X300	Each	12,399.00
	MJ-Double Socket flanged branch Tee-300X80	Each	7,880.00
	MJ-Double Socket flanged branch Tee-300X100	Each	7,971.00
	MJ-Double Socket flanged branch Tee-300X150	Each	9,122.00
	MJ-Double Socket flanged branch Tee-300X200	Each	9,441.00
	MJ-Double Socket flanged branch Tee-300X250	Each	10,910.00
	MJ-Double Socket flanged branch Tee-300X300	Each	11,553.00
	MJ-Double Socket Reducer-300x100	Each	5,603.00
	MJ-Double Socket Reducer-300x150	Each	5,878.00
	MJ-Double Socket Reducer-300x200	Each	5,646.00
	MJ-Double Socket Reducer-300x250	Each	6,062.00
	MJ-Collar	Each	6,797.00
	MJ-Flanged socket	Each	5,089.00
G	350 mm		
	MJ-Double Socket bend-90 degree	Each	13,140.00
	MJ-Double Socket bend-45 degree	Each	11,976.00
	MJ-Double Socket bend-22.5 degree	Each	10,861.00
	MJ-Double Socket bend-11.25 degree	Each	10,254.00
	MJ-All Socket Tee-350X80	Each	12,137.00
	MJ-All Socket Tee-350X100	Each	12,237.00
	MJ-All Socket Tee-350X150	Each	13,981.00
	MJ-All Socket Tee-350X200	Each	14,466.00
	MJ-All Socket Tee-350X250	Each	17,089.00
	MJ-All Socket Tee-350X300	Each	17,830.00
	MJ-All Socket Tee-350X350	Each	19,046.00
	MJ-Double Socket flanged branch Tee-350X80	Each	11,722.00
	MJ-Double Socket flanged branch Tee-350X100	Each	11,763.00

	MJ-Double Socket flanged branch Tee-350X150	Each	13,271.00
	MJ-Double Socket flanged branch Tee-350X200	Each	13,677.00
	MJ-Double Socket flanged branch Tee-350X250	Each	16,108.00
	MJ-Double Socket flanged branch Tee-350X300	Each	16,716.00
	MJ-Double Socket flanged branch Tee-350X350	Each	17,628.00
	MJ-Double Socket Reducer-350x150	Each	8,510.00
	MJ-Double Socket Reducer-350x200	Each	8,579.00
	MJ-Double Socket Reducer-350x250	Each	8,937.00
	MJ-Double Socket Reducer-350x300	Each	9,064.00
	MJ-Collar	Each	9,675.00
	MJ-Flanged socket	Each	7,801.00
H	400 mm		
	MJ-Double Socket bend-90 degree	Each	16,918.00
	MJ-Double Socket bend-45 degree	Each	14,711.00
	MJ-Double Socket bend-22.5 degree	Each	13,037.00
	MJ-Double Socket bend-11.25 degree	Each	11,773.00
	MJ-All Socket Tee-400X80	Each	14,264.00
	MJ-All Socket Tee-400X100	Each	14,364.00
	MJ-All Socket Tee-400X150	Each	16,289.00
	MJ-All Socket Tee-400X200	Each	16,796.00
	MJ-All Socket Tee-400X250	Each	20,160.00
	MJ-All Socket Tee-400X300	Each	21,376.00
	MJ-All Socket Tee-400X350	Each	22,490.00
	MJ-All Socket Tee-400X400	Each	23,503.00
	MJ-Double Socket flanged branch Tee-400X80	Each	13,879.00
	MJ-Double Socket flanged branch Tee-400X100	Each	13,981.00
	MJ-Double Socket flanged branch Tee-400X150	Each	15,601.00
	MJ-Double Socket flanged branch Tee-400X200	Each	16,007.00
	MJ-Double Socket flanged branch Tee-400X250	Each	19,249.00
	MJ-Double Socket flanged branch Tee-400X300	Each	20,262.00
	MJ-Double Socket flanged branch Tee-400X350	Each	21,072.00
	MJ-Double Socket flanged branch Tee-400X400	Each	22,085.00
	MJ-Double Socket Reducer-400x200	Each	10,637.00
	MJ-Double Socket Reducer-400x250	Each	10,739.00
	MJ-Double Socket Reducer-400x300	Each	10,840.00
	MJ-Double Socket Reducer-400x350	Each	11,448.00
	MJ-Collar	Each	10,941.00
	MJ-Flanged socket	Each	9,422.00
I	450 mm		
	MJ-Double Socket bend-90 degree	Each	21,883.00
	MJ-Double Socket bend-45 degree	Each	16,716.00
	MJ-Double Socket bend-22.5 degree	Each	15,703.00
	MJ-Double Socket bend-11.25 degree	Each	14,636.00
	MJ-All Socket Tee-450X80	Each	16,615.00

	MJ-All Socket Tee-450X100	Each	16,817.00
	MJ-All Socket Tee-450X150	Each	19,046.00
	MJ-All Socket Tee-450X200	Each	19,451.00
	MJ-All Socket Tee-450X250	Each	24,415.00
	MJ-All Socket Tee-450X300	Each	25,428.00
	MJ-All Socket Tee-450X350	Each	26,644.00
	MJ-All Socket Tee-450X400	Each	27,657.00
	MJ-All Socket Tee-450X450	Each	28,468.00
	MJ-Double Socket flanged branch Tee-450X80	Each	16,311.00
	MJ-Double Socket flanged branch Tee-450X100	Each	16,412.00
	MJ-Double Socket flanged branch Tee-450X150	Each	18,337.00
	MJ-Double Socket flanged branch Tee-450X200	Each	18,742.00
	MJ-Double Socket flanged branch Tee-450X250	Each	23,301.00
	MJ-Double Socket flanged branch Tee-450X300	Each	24,314.00
	MJ-Double Socket flanged branch Tee-450X350	Each	25,226.00
	MJ-Double Socket flanged branch Tee-450X400	Each	26,239.00
	MJ-Double Socket flanged branch Tee-450X450	Each	27,295.00
	MJ-Double Socket Reducer-450x200	Each	13,271.00
	MJ-Double Socket Reducer-450x250	Each	12,967.00
	MJ-Double Socket Reducer-450x300	Each	13,069.00
	MJ-Double Socket Reducer-450x350	Each	13,575.00
	MJ-Double Socket Reducer-450x400	Each	13,575.00
	MJ-Collar	Each	12,664.00
	MJ-Flanged socket	Each	11,346.00
J.	500 mm		
	MJ-Double Socket bend-90 degree	Each	22,229.00
	MJ-Double Socket bend-45 degree	Each	17,340.00
	MJ-Double Socket bend-22.5 degree	Each	16,141.00
	MJ-Double Socket bend-11.25 degree	Each	15,495.00
	MJ-All Socket Tee-500X80	Each	15,495.00
	MJ-All Socket Tee-500X100	Each	15,680.00
	MJ-All Socket Tee-500X150	Each	17,986.00
	MJ-All Socket Tee-500X200	Each	18,355.00
	MJ-All Socket Tee-500X250	Each	22,413.00
	MJ-All Socket Tee-500X300	Each	22,782.00
	MJ-All Socket Tee-500X350	Each	24,903.00
	MJ-All Socket Tee-500X400	Each	25,457.00
	MJ-All Socket Tee-500X450	Each	28,224.00
	MJ-All Socket Tee-500X500	Each	28,409.00
	MJ-Double Socket flanged branch Tee-500X80	Each	15,126.00
	MJ-Double Socket flanged branch Tee-500X100	Each	15,311.00
	MJ-Double Socket flanged branch Tee-500X150	Each	17,340.00
	MJ-Double Socket flanged branch Tee-500X200	Each	17,617.00
	MJ-Double Socket flanged branch Tee-500X250	Each	21,583.00

	MJ-Double Socket flanged branch Tee-500X300	Each	21,675.00
	MJ-Double Socket flanged branch Tee-500X350	Each	23,612.00
	MJ-Double Socket flanged branch Tee-500X400	Each	24,442.00
	MJ-Double Socket flanged branch Tee-500X450	Each	27,117.00
	MJ-Double Socket flanged branch Tee-500X500	Each	28,685.00
	MJ-Double Socket Reducer-500x250	Each	13,005.00
	MJ-Double Socket Reducer-500x300	Each	13,098.00
	MJ-Double Socket Reducer-500x350	Each	13,651.00
	MJ-Double Socket Reducer-500x400	Each	13,466.00
	MJ-Double Socket Reducer-500x450	Each	13,466.00
	MJ-Collar	Each	14,573.00
	MJ-Flanged socket	Each	11,622.00
K.	600 mm	Each	
	MJ-Double Socket bend-90 degree	Each	32,467.00
	MJ-Double Socket bend-45 degree	Each	24,903.00
	MJ-Double Socket bend-22.5 degree	Each	20,845.00
	MJ-Double Socket bend-11.25 degree	Each	18,908.00
	MJ-All Socket Tee-600X80	Each	22,966.00
	MJ-All Socket Tee-600X100	Each	23,151.00
	MJ-All Socket Tee-600X150	Each	23,612.00
	MJ-All Socket Tee-600X200	Each	24,074.00
	MJ-All Socket Tee-600X250	Each	29,331.00
	MJ-All Socket Tee-600X300	Each	29,884.00
	MJ-All Socket Tee-600X350	Each	30,991.00
	MJ-All Socket Tee-600X400	Each	32,928.00
	MJ-All Socket Tee-600X450	Each	38,462.00
	MJ-All Socket Tee-600X500	Each	39,200.00
	MJ-All Socket Tee-600X600	Each	40,583.00
	MJ-Double Socket flanged branch Tee-600X80	Each	22,690.00
	MJ-Double Socket flanged branch Tee-600X100	Each	22,874.00
	MJ-Double Socket flanged branch Tee-600X150	Each	23,151.00
	MJ-Double Socket flanged branch Tee-600X200	Each	23,428.00
	MJ-Double Socket flanged branch Tee-600X250	Each	28,501.00
	MJ-Double Socket flanged branch Tee-600X300	Each	28,778.00
	MJ-Double Socket flanged branch Tee-600X350	Each	29,700.00
	MJ-Double Socket flanged branch Tee-600X400	Each	31,729.00
	MJ-Double Socket flanged branch Tee-600X450	Each	37,263.00
	MJ-Double Socket flanged branch Tee-600X500	Each	38,739.00
	MJ-Double Socket flanged branch Tee-600X600	Each	42,151.00
	MJ-Double Socket Reducer-600x300	Each	18,539.00
	MJ-Double Socket Reducer-600x350	Each	18,908.00
	MJ-Double Socket Reducer-600x400	Each	18,724.00
	MJ-Double Socket Reducer-600x450	Each	18,631.00
	MJ-Double Socket Reducer-600x500	Each	17,433.00

	MJ-Collar	Each	18,410.00
	MJ-Flanged socket	Each	16,510.00
	MJ Collar 700mm	Each	21,177.00
	MJ Collar 750mm	Each	23,068.00
	MJ Collar 800mm	Each	26,390.00
	MJ Collar 900mm	Each	33,073.00
	MJ Collar 1000mm	Each	44,358.00

1	2	3	4	5	6
XIV	DI double socket Bends				
	Nominal dia in mm Rate/Each	90°	45°	22½ °	11¼°
	80	621.00	552.00	486.00	483.00
	100	764.00	691.00	622.00	619.00
	150	1395.00	1112.00	1034.00	965.00
	200	2238.00	1808.00	1592.00	1453.00
	250	3180.00	2473.00	2116.00	1958.00
	300	4626.00	3508.00	2994.00	2707.00
	350	7369.00	5007.00	4138.00	3672.00
	400	9567.00	6311.00	5063.00	4581.00
	450	12519.00	8316.00	6667.00	5795.00
	500	16608.00	11067.00	8905.00	7612.00
	600	25422.00	17010.00	13501.00	11485.00
	700	-	28722.00	22567.00	19490.00
	750	-	35619.00	25644.00	20926.00
	800	-	38979.00	29235.00	24311.00
	900	-	56374.00	42280.00	34691.00
	1000	-	79251.00	58237.00	45629.00
XV	DI double Flange Bends				
	Nominal dia in mm Rate/Each	90°	45°	22½ °	11¼°
	80	834.00	788.00	769.00	751.00
	100	1001.00	1001.00	918.00	918.00
	150	1752.00	1585.00	1418.00	1418.00
	200	2627.00	2290.00	2002.00	2104.00
	250	5031.00	4858.00	3470.00	3470.00
	300	6940.00	6660.00	5205.00	4597.00
	350	8824.00	7385.00	6426.00	6138.00
	400	11317.00	9399.00	9216.00	9016.00
	450	16305.00	11509.00	11317.00	11030.00

	500	18874.00	19284.00	18054.00	17028.00
	600	30363.00	29645.00	22054.00	22054.00
	700	60039.00	45629.00	41722.00	37012.00
	750	71086.00	43948.00	45327.00	39134.00
	800	78287.00	61360.00	52924.00	43435.00
	900(New Item)	112565.00	81292.00	69835.00	61270.00
	1000	—	138170.00	91708.00	78137.00

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 special/fitting in kg each.

P2 = Revised rate of special/fitting in Rs.

P1 = Rate of special/fitting in Rs. 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. 19,000/-

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

Sl. No.	Description	Unit	S Rates For 2009-10
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	39.00
	100mm dia	Each	61.00
	125mm dia	Each	72.00
	150mm dia	Each	88.00
	200mm dia	Each	108.00
	250mm dia	Each	120.00
	300mm dia	Each	184.00
	350mm dia	Each	232.00
	400mm dia	Each	253.00
	450mm dia	Each	273.00
	500mm dia	Each	378.00
	600mm dia	Each	448.00
	700mm dia	Each	595.00
	750mm dia	Each	661.00
	800mm dia	Each	793.00
	900mm dia	Each	957.00
	1000mm dia	Each	1047.00

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

26.S. RATES FOR CI PIPES AND SPECIALS

Sl. No.	Description	Quality or sort	Rate/ Kg including packing, forwarding, transit risk and delivery any where in A.P. for the year 2009-10. Rs.
1	2	3	4
	MANUFACTURE, SUPPLY AND DELIVERY OF CAST IRON PIPES AND FITTINGS (Spls.) 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.	I.S. No. 7181/1986 5531/1988 3950/1979 & 8794/1988	40.70

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.19,000.00/- per M.T.(excluding CED, Tax & Fright)

Coke : Rs.23,500.00/- 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. S.RATES FOR C.I. D/F VALVES

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	3,640	4,368	
	65	4,022	4,827	
	80	4,255	5,105	
	100	5,673	6,807	
	125	7,090	8,509	
	150	8,509	10,210	
	200	14,914	17,592	
	250	21,094	25,345	
	300	28,956	33,437	
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	65,113	71,629	
	400	77,184	89,548	
	450	96,914	112,411	
	500	111,183	129,168	
	600	162,851	191,519	
	700	269,698		
	750	378,949		
	800	441,870		

	900	525,008		
	1000	811,200		
	1100	916,500		
	1200	1,092,000		
Note:	By Pass arrangement extra @ 7.5% for above 500mm dia. Valves.			
3	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.			
	DIA IN MM	Rate/Each	P.N 0.6	PN-1.0
	50			2,236
	65			2,795
	80			3,355
	100			4,472
	125			5,590
	150		6,708	8,384
	200		13,380	16,725
	250		19,405	24,258
	300		29,195	36,492
	350	40,166		49,306
	400	51,324		64,149
	450	86,449		108,068
	500	104,278		130,355
	600	166,599		208,255
4	Manufacture, Supply and delivery of CI D/F Kinetic Double 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.			
	DIA IN MM	Rate/Each	PN-1.0	
	40		2,638	
	50		3,188	
	80		4,264	
	100		5,714	
	150		12,873	
	200		21,317	
5	Manufacture, Supply and delivery of CI D/F Double Air Valve suitable for working pressure up to 10kg/Cm2 conforming to G & K Fig.H7 excluding transportation, Central Excise duty and sale tax etc., complete.			
	DIA IN MM	Rate/Each	PN-1.0	
	40		1,637	

	50		2,261	
	80		3,132	
	100		3,886	
	150		10,126	
	200		17,661	
6	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.			
	DIA IN MM	Rate/Each	PIN 1.0	PIN 1.6
	40		7,506	8,633
	50		8,759	10,074
	80		11,539	13,265
	100		15,894	18,288
	150		31,317	36,027
	200		46,701	53,710
7	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.

28. S RATES FOR C.I. D/F SOFT SEATED GATE / SLUICE VALVES

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 Rate/Each	Rs.	Rs.
	50	4,480.00	4,927.00
	80	5,737.00	6,310.00
	100	7,579.00	8,337.00
	150	12,396.00	13,634.00
	200	19,976.00	21,973.00
	250	27,430.00	30,173.00
	300	46,400.00	51,039.00
	350	141,700.00	153,400.00
	400	153,400.00	165,100.00
	450	195300.00	203400.00
	500	203400.00	211500.00
	600	252000.00	276300.00
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.RATES FOR C.I. BUTTERFLY VALVES .

Sl. No.	Description	TEST PRESSURES		
1	2	3	4	5
1	Manufacture, Supply and delivery of CI Wafer Lug type Butterfly Valves conforming to IS 13095/1991 (Reaffirmed 1998) excluding transportation, CED and taxes etc., complete. Operation done with worm actuator ISI marked Rate at Ex-Factory.	PN-0.6	PN-1.0	PN-1.6 (New Item)
	DIA IN MM Rate / Each	Rs.	Rs.	Rs.
	40	2,177.00	2,283.00	2,756.00
	50	2,356.00	2,483.00	2,995.00
	65	2,789.00	2,921.00	3,585.00
	80	3,439.00	3,630.00	4,382.00
	100	4,607.00	4,846.00	6,134.00
	125	5,762.00	6,061.00	7,648.00
	150	6,904.00	7,268.00	9,241.00
	200	10,754.00	11,285.00	15,932.00
	250	15,400.00	16,197.00	25,225.00
	300	21,242.00	24,959.00	33,191.00
	350	32,129.00	33,456.00	45,737.00
	400	38,767.00	40,759.00	55,747.00
	450	49,786.00	52,442.00	71,626.00
	500	67,178.00	70,630.00	96,479.00
	600	97,847.00	102,891.00	119,566.00
	700	198,660.00	150,022.00	179,652.00
	800	201,136.00	205,982.00	225,696.00
	900	249,594.00	255,701.00	281,457.00
	1000	305,354.00	312,523.00	363,769.00
	1100	361,114.00	369,345.00	477,945.00
	1200	408,909.00	427,495.00	562,913.00
2	Manufacture, Supply and delivery of CI Wafer type Butterfly Valves conforming to IS 13095/1991 excluding transportation, CED and taxes etc., complete. Operation without worm actuator. (ISI marked) Rate at Ex-Factory.		PN-1.0	PN-1.6
	DIA IN MM Rate / Each			
	80		2,435.00	2,782.00
	100		3,320.00	3,795.00
	125		4,563.00	5,216.00
	150		5,119.00	5,850.00
	200		14,108.00	16,123.00
	250		22,398.00	25,597.00
	300		29,507.00	33,722.00

3	Manufacture, Supply and delivery of CI D/F Butterfly Valves manually gear operated conforming to IS 13095/1991 excluding transportation, CED and taxes etc., complete. ISI marked Rate at Ex-Factory.		PN-1.0	PN-1.6
	DIA IN MM	Rate / Each		
	300		34,973.00	39,970.00
	350		54,116.00	61,847.00
	400		64,793.00	74,049.00
	450		75,704.00	86,519.00
	500		89,272.00	102,026.00
	600		105,089.00	120,102.00
	700		157,727.00	180,259.00
	750		185,905.00	212,462.00
	800		198,005.00	226,292.00
	900		247,390.00	282,731.00
	1000		318,633.00	364,152.00
	1100		420,563.00	480,642.00
	1200		493,572.00	564,082.00
	1300		697,003.00	796,575.00
	1400		790,402.00	903,316.00
	1500		901,829.00	1,030,662.00
	1600		1,171,709.00	1,339,095.00
	1800		1,331,741.00	1,521,989.00
	2000		1,793,993.00	2,050,278.00

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 RATES FOR WATER HAMMER CONTROL DEVICES**(Rate Each in Rs.)**

Sl. No.	Description	TEST PRESSURE				Additional charges for Flanged ended valves
		10 Kgs/cm ²	15 Kgs/cm ²	20 Kgs/cm ²	25 Kgs/cm ²	
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	60,707.00	70,862.00	75,049.00	82,555.00	
	200	63,420.00	72,932.00	78,404.00	86,242.00	
	250	71,555.00	82,289.00	88,461.00	97,307.00	
	300	80,527.00	92,606.00	99,553.00	109,507.00	
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	81,870.00	94,150.00	101,211.00	111,332.00	7,094.00
	400	90,495.00	104,068.00	111,874.00	123,065.00	8,554.00
	450	105,253.00	121,042.00	130,119.00	143,132.00	10,222.00
	500	121,645.00	139,891.00	150,384.00	165,423.00	11,057.00
	525/550	130,662.00	148,536.00	163,594.00	179,954.00	14,290.00
	600	146,298.00	168,242.00	180,860.00	198,946.00	20,385.00
	650	163,764.00	180,142.00	204,758.00	221,031.00	23,053.00
	700	190,885.00	210,078.00	238,659.00	257,747.00	27,537.00
	750	211,434.00	232,607.00	264,318.00	285,493.00	30,917.00
	800	257,564.00	296,200.00	318,413.00	350,252.00	34,839.00
	900	306,131.00	352,050.00	371,338.00	416,300.00	42,141.00
	1000	371,338.00	371,338.00	371,338.00	516,015.00	53,510.00
	1050	375,052.00	375,052.00	375,052.00	543,323.00	55,651.00
	1100	473,102.00	536,460.00	584,886.00	643,376.00	61,960.00
	1200	569,421.00	626,375.00	713,575.00	768,755.00	70,095.00
	1400	854,132.00	939,561.00	1,070,364.00	1,153,131.00	105,144.00
	1500	995,209.00	1,094,720.00	1,243,984.00	1,343,392.00	98,572.00

	1600	1,015,113.00	1,116,613.00	1,268,864.00	1,370,258.00	100,544.00
3	Manufacture, Supply and delivery of DI Air Cushion valves / Quick Released damped Air Valves (QRDA) as per AWWA, Ex-factory excluding transportation, Central Excise duty and sale tax etc., complete.					
	DIA IN MM Rate/Each	Rs.	Rs.	Rs.	Rs.	
	100	52,990.00	60,939.00	67,032.00	73,733.00	
	150	80,527.00	92,606.00	101,865.00	112,053.00	
	200	85,951.00	98,843.00	108,728.00	119,600.00	
4	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.

31. S. RATES FOR CAST STEEL VALVES FOR THE YEAR 2009-10

Sl.No.	Description	TEST PRESSURES			
1	2	3	4	5	6
1	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 & 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 & pumping stations) excluding transportation, Central Excise duty and sale tax etc., complete. ISI Marked	Class-150 Body 425PSI Seat 300 PSI PN-20	Class-300 Body 1100 PSI Seat 750 PSI PN-30	FOR Enclosed Spur Gear Arrangement.	
	Rate/Each			Class 150	Class 300
	DIA IN MM	Rs.	Rs.	Rs.	
	40	4,724.00	9,447.00		
	50	7,784.00	14,171.00		
	65	9,741.00	17,714.00		
	80	11,683.00	21,256.00		
	100	15,582.00	28,341.00		
	125	19,984.00	36,335.00		
	150	23,380.00	42,512.00		
	200	37,760.00	76,758.00	46,215.00	84,444.00
	250	53,147.00	120,814.00	61,602.00	128,500.00
	300	67,136.00	152,607.00	75,591.00	160,293.00
	350	89,524.00	203,476.00	101,053.00	213,957.00
	400	181,857.00	413,311.00	193,386.00	423,792.00
	450	203,839.00	454,188.00	215,369.00	464,669.00
	500	239,811.00	545,025.00	251,340.00	555,506.00
	600	273,784.00	621,329.00	285,314.00	631,810.00
	700	529,583.00		541,112.00	
	750	569,551.00		585,692.00	
	800	659,480.00		675,621.00	
	900	779,386.00		795,527.00	
	1000	999,213.00		1,015,354.00	
	1100	1,079,150.00		1,095,291.00	
	1200	1,219,039.00		1,235,180.00	

2	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 & Seat Rings. excluding transportation, Central Excise duty and sale tax etc., complete					
	DIA IN MM	Rate/Each Rs.	PN-20	PN-30		
	40		4,696.00	8,539.00		
	50		6,988.00	12,717.00		
	65		8,734.00	15,897.00		
	80		10,481.00	19,076.00		
	100		14,380.00	25,435.00		
	125		17,986.00	32,702.00		
	150		19,775.00	35,972.00		
	200		29,976.00	65,403.00		
	250		41,967.00	109,005.00		
	300		59,953.00	136,256.00		
	350		79,937.00	181,675.00		
	400		163,871.00	372,434.00		
	450		183,855.00	417,853.00		
	500		215,830.00	490,523.00		
	600		249,803.00	567,734.00		
3	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 & Seat Rings excluding transportation, Central Excise duty and sale tax etc., complete.					
				Rate/Each		
	DIA IN MM			Rs.		
	500			363,350.00		
	600			454,188.00		
	700			545,025.00		
	750			672,198.00		
	800			999,213.00		
	900			1,199,055.00		
	1000			1,308,060.00		
	1100			1,544,238.00		
	1200			1,562,405.00		

4	(NEW ITEM) 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.				
	DIA IN mm Rate/Each	PN-1.0/1.6	PN-2.5		
	300	69,350	86,450		
	350	93,290	117,230		
	400	112,100	145,350		
	450	135,850	171,950		
	500	154,850	197,600		
	600	180,500	231,800		
	700	283,100	351,500		
	750	351,500	437,000		
	800	385,700	479,750		
	900	437,000	548,150		
	1000	693,500	864,500		
	1100	864,500	1,121,000		
	1200	1,035,500	1,121,000		
	1300	1,387,000	1,548,500		
	1400	1,463,000	1,634,000		
	1500	1,548,500	1,719,500		
	1600	1,805,000	2,061,500		
	1800	2,232,500	2,403,500		
	2000	3,087,500	3,344,000		
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. S RATES FOR DI D/F VALVES FOR THE YEAR 2009-10

Rate/Each in Rs.

Sl. No.	Description	TEST PRESSURE			
		PN 10	PN 16		
1	2	3	4	5	6
1	Manufacture, supply and delivery of Single Chamber DI <u>Air Valve</u> 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.S Epoxy powder coating (EP-P) inside and outside colour blue. Drilled as per IS:1538.				
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>	<u>PN 25</u>	
	50	25473	25473	32775	
	80	33983	33983	33983	
	100	39675	39675	45626	
	150	48300	48300	55200	
	200	52900	52900	61525	
2	Manufacture, Supply and delivery of DI D/F <u>Gate Valves</u> (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.				
	DIA IN MM	PN 10	PN 16	PN 25	PN 40
	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	1,365,228	
	1100	831,375	–		
	1200	968,651	968,651	1,525,131	
	1400	2,081,819	2,081,819		
	1600	2,482,376	2,482,376		
	1800	3,044,778	3,044,778		
	2000	5,201,268	5,201,268		
	2200	7,509,052	7,509,052		
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, 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.				
	DIA IN MM	PN 10	PN 16	PN 25	PN 40
	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				
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>		
	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 "Anti-Shock – 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	-	37575	37575	
	80 mm dia	-	58950	58950	
	100 mm dia	-	65000	65000	
	150 mm dia	-	133300	133300	
	200 mm dia	-	200200	200200	
7	Manufacturer and supply of Metal Seated Gate Valve Non- Rising Stem with by-pass & gear operated, for water and sewage applications 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	1,080,039	1,080,039		
	DN800	1,365,553	1,365,553		
	DN 900	1,543,628	1,543,628		
	DN 1000	1,729,506	1,729,506		
	DN 1100	2,678,623	2,678,623		
	DN 1200	2,356,607	2,356,607		
	DN 1400	6,711,898	6,711,898		
	DN 1600	10,638,898	10,638,898		
	DN1800	15,871,625	15,871,625		
8	Manufacture and supply of Concentric Butterfly Valve short body as per ISO 5752, BS 5155, DIN 3202 F-16 with gear box. Construction material Body and Disc of Ductile Iron GGG-40/SG400/12 DIN 1693, BS 2789 grade 400-12. EPDM food grade quality rubber liner vulcanized to the body, externally Electro statically applied epoxy Flange connection as per IS 1538.				
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>		
	DN 350 Gear Operated	133,282	133,282		
	DN 400 Gear Operated	184,326	184,326		
	DN 450 Gear Operated	235,300	235,300		
	DN 500 Gear Operated	259,297	259,297		
	DN 600 Gear Operated	415,832	415,832		
	DN 700 Gear Operated	534,819	534,819		
	DN 800 Gear Operated	651,228	651,228		
	DN 900 Gear Operated	897,446	897,446		
	DN 1000 Gear Operated	1,057,867	1,057,867		
9	Manufacture and supply of <u>Concentric Butterfly Valve</u> short body as per ISO 5752, BS 5155+B105, DIN 3202 F-16 or equivalent with gear box. Designed for Maintenance Free with Free Replacement Against Damage of Inside Rubber Lining within. Valve shall be hindrance free flow, drop tight at closure and capable of regulating flow. Construction material Body and Disc of Ductile Iron GGG-40/SG 400-12 DIN 1693, BS 2789 or equivalent grade. EPDM rubber liner vulcanized to the B121body, externally Electro statically applied epoxy minimum 200μ ral 5017, Shaft of Stainless Steel AISI 431 Leakage tested for seat 1.1 x PN and body 1.5 x PN. Flange connection as per IS 1538, ISO 7005.B71				
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>		
	DN 1200 Gear Operated	1,456,490	1,580,860		

	DN 1400 Gear Operated	1,809,969	1,903,288		
	DN 1600 Gear Operated	2,949,036	3,180,968		
	DN 1800 Gear Operated	4,746,666	5,093,316		
	DN 2000 Gear Operated	5,656,135	6,141,753		
10	Manufacture and supply of <u>Resilient Seated Swing Check Valve</u> , Face to Face to as per IS. short, with and without lever and weight. Construction material Body, Bonnet and Hinge of Ductile Iron GGG-50 /SG500-7 or equivalent grade 420-12. Disc is having core of ductile iron GGG-50/SG500-7 or equivalent with fully encapsulated by vulcanized EPDM food grade quality chlorine resistant rubber Coating internally and externally Electro statically applied epoxy, Shaft of Stainless Steel A1SI431 Leakage tested for seat 1.1 x PN and body 1.5 x PN. Flange connection as per IS 1538.	-			
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>		
	Without Lever & Weight				
	DN 050	22,332	22,332		
	DN080	21,109	21,109		
	DN100	24,616	24,616		
	DN 150	36,914	36,914		
	DN200	50,340	50,340		
	DN250	105837	105837		
	DN 300	119627	119627		
	With Lever & Weight				
	DN 050	24,337	24,337		
	DN080	23,113	23,113		
	DN100	27,112	27,112		
	DN 150	40,344	40,344		
	DN200	54,357	54,357		
	DN250	113,112	113,112		
	DN 300	126,902	126,902		
11	Manufacturer and supply of <u>Dismantling Joint</u> For water, gas and sewage applications. The Dismantling joint enables easy installation and dismantling of valves, metering equipment, pump etc. It compensates for axial displacement of the pipe during installation / dismantling. The material construction of Flange outer / inner body, gland ring of mild steel A Coating of Epoxy resin, EPDM food grade quality rubber; Threaded rod, stud bolt, nut of steel 4.8 Zinc plated. Connecting two flanged ends above ground or In chamber. Flange connection as per IS 1538.				
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>		
	80	10,969	10,969		
	100	12,678	12,678		
	150	20,903	20,903		
	200	29,356	29,356		
	250	43,173	43,173		

	300	55,642	55,642		
	350	66,386	66,386		
	400	83,209	83,209		
	450	95,557	95,557		
	500	122,485	122,485		
	600	166,235	166,235		
	700	184,533	184,533		
	800	236,742	236,742		
	900	272,596	272,596		
	1000	347,555	347,555		
	1100	393,708	393,708		
	1200	536,953	536,953		
	1300	595,443	595,443		
	1400	662,183	662,183		
	1600	861,527	861,527		

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 RATES FOR SFRC MAN-HOLE FRAME WITH COVERS

Sl.No.	Description	Unit	S. Rates for 2009-10.
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	1176.00
b)	H.D.-20 with 500mm dia clear opening	Each	1516.00
c)	H.D.-10with 560mmdia clear opening(New item)	Each	1190.00
d)	H.D.-20 with 560mm dia clear opening	Each	1626.00
e)	H.D.-35 with 560mm dia clear opening.	Each	1742.00
f)	24x24 MD 10	Each	1282.00
g)	24x18 MD 10	Each	1180.00
h)	24x24 HD 20	Each	1442.00
i)	24x18 HD 20	Each	1469.00
j)	Deviders 0.9 mtr.	Each	3017.00
II	Manufacture as per company's standard 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	124.00

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

34. S.Rate for CI and M.S. DISMANTLING JOINTS (NEW ITEM)

Sl.No.	Description	Unit	2009-10.
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	2,723
	80	Each	2,981
	100	Each	3,913
	125	Each	5,030
	150	Each	5,518
	200	Each	7,825
	250	Each	9,316
	300	Each	14,906
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		35,354
	400		40,513
	450		43,953
	500		52,606
	600		61,214
	700		68,101
	750		69,823
	800		83,596
	900		87,214
	1000		104,468
	1100		113,094
	1200		130,346
	1300		147,597
	1400		165,185
	1600		182,471
	1800		216,084
	2000		268,905
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 RATES FOR FUSION BONDED EPOXY COATING FOR THE YEAR 2009-10.

Sl. No.	Description	Unit	Rate (Rs.)
1	2	3	4
	Providing fusion bonded epoxy coating not less than 175 microns thickness and up to 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 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.	per MT	10,000.00

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

36. OTHER ITEMS

Sl. No.	Description	Unit	S. Rates for 2009-10.
1	2	3	4
1	SUPPLY AND DELIVERY OF PIG LEAD 99.99 % PURE INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.	Per Kg	218.40
	SUPPLY AND DELIVERY OF LEAD WOOL BEST QUALITY INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.	Per Kg	114.40
2	SUPPLY AND DELIVERY OF SPUN YARN OF BEST QUALITY INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.	Per Kg	85.30
3	SUPPLY AND DELIVERY OF RUBBER PACKING INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.		
	a) 3 mm thick	Per Kg	69.80
	b) 6 mm thick	Per Kg	69.80
4	SUPPLY AND DELIVERY OF BOLTS AND NUTS WITH DOUBLE WASHERS INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE. (1/2" TO 1")	Per Kg	85.00

Conveyance Charges of Material

LEAD, LIFT, LOADING AND UNLOADING CHARGES FOR MATERIALS FOR THE YEAR: 2009-10

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

A. (Lead) Conveyance Charges for materials by head load**FOR THE YEAR: 2009-10**

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	27.69	16.15	35.24
3	Total lead up to 150 m	55.37	32.30	70.47

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.

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: 2009-10

(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 for water/ 1000 litres/ Bricks 1000
1	2	3	4	5	6	7
1	Lead up to 1 km	20.12	17.68	11.05	26.01	11.05
2	Lead up to 2 km	28.16	24.76	15.47	36.41	15.47
3	Lead up to 3 km	37.55	37.55	23.47	55.22	20.63
4	Lead up to 4 km	45.59	45.59	28.50	67.05	25.05
5	Lead up to 5 km	53.64	53.64	33.53	78.88	29.47
6	for Every km beyond 5 km up to 30 km	8.05	8.05	5.03	11.83	4.42
7	for Every km beyond 30 km	6.71	6.71	4.19	9.86	3.68

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	9.16	18.32	30.23	36.24	25.19
2	Unloading	4.58	9.16	30.23	36.24	25.19

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	62.75	71.91	78.45	83.75	21.52
2	Unloading	22.41	35.96	78.45	83.75	21.52

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

SI 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	28.27	56.19
2	Unloading	8.56	8.56

F. LIFT CHARGES FOR MATERIALS BY HEAD LOAD

SI 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	3.23	2.33	4.31

HIRE CHARGES

HIRE CHARGES OF PLANT & MACHINERY**FOR THE YEAR : 2009-10**

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	572.00	545.00	139.46	1256.46
2	Air compressor 5 cmm (electric)	Hour	64.00	130.00	83.85	277.85
3	Air compressor 7 cmm (diesel)	Hour	158.00	446.00	107.33	711.33
4	Air compressor 7 cmm (electric)	Hour	92.00	173.00	83.85	348.85
5	Air compressor 8.5 cmm (diesel)	Hour	184.00	557.00	107.33	848.33
6	Air compressor 8.5 cmm (electric)	Hour	104.00	217.00	83.85	404.85
7	Air compressor 15 cmm (electric)	Hour	92.00	481.00	89.44	662.44
8	Angle Dozer 90 hp	Hour	1162.00	381.00	111.80	1654.80
9	Batching plant 0.5 cum	Hour	89.00	58.00	160.96	307.96
10	Batching plant 2 x 1.00 cum	Hour	235.00	173.00	160.96	568.96
11	Batching plant 2 x 1.50 cum	Hour	297.00	212.00	160.96	669.96
12	Bending machine 3000 x 12 mm	Hour	14.00	58.00	67.08	139.08
13	Clamp shell and hoisting ropes	Hour	4.00	0.00	0.00	4.00
14	Concrete bucket 1.5 cum	Hour	11.00	0.00	0.00	11.00
15	Concrete hand mixer 45 / 30 ltr	Hour	4.00	0.00	0.00	4.00
16	Concrete mixer 300 / 200 (diesel)	Hour	39.00	50.00	111.80	200.80
17	Concrete mixer 300 / 200 ltr (electric)	Hour	36.00	19.00	111.80	166.80
18	Concrete mixer 600 / 400 (diesel)	Hour	66.00	99.00	111.80	276.80
19	Concrete mixer 600 / 400 ltr (electric)	Hour	56.00	38.00	111.80	205.80
20	Concrete paver 100 sqm / hr	Hour	250.00	0.00	163.24	413.24
21	Convey mucker	Hour	604.00	134.00	132.29	870.29
22	Core drilling machine	Hour	224.00	149.00	134.16	507.16

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
23	Diesel generating set 30 KVA	Hour	44.00	396.00	67.08	507.08
24	Diesel generating set 50 KVA	Hour	57.00	594.00	67.08	718.08
25	Diesel Loco 45 hp	Hour	217.00	334.00	83.85	634.85
26	Dewatering pump 5 hp (diesel)	Hour	7.00	50.00	55.91	112.91
27	Dewatering pump 5 hp (electric)	Hour	2.00	19.00	41.92	62.92
28	Dewatering pump 10 hp (diesel)	Hour	11.00	99.00	55.91	165.91
29	Dewatering pump 10 hp (electric)	Hour	3.00	38.00	41.92	82.92
30	Dewatering pump 20 hp (diesel)	Hour	31.00	198.00	55.91	284.91
31	Dewatering pump 20 hp (electric)	Hour	5.00	77.00	41.92	123.92
32	Drifter	Hour	192.00	0.00	167.70	359.70
33	Drilling jumbo	Hour	259.00	27.00	89.44	375.44
34	Dumper 4.5 cum	Hour	349.00	249.00	111.57	709.57
35	Geophysical Electric resistivity meter	Hour	58.00	0.00	0.00	58.00
36	Grouting pump	Hour	17.00	19.00	134.16	170.16
37	Guniting / sand blast equipment	Hour	75.00	0.00	111.80	186.80
38	Ice plant & accessories 30 t / day	Hour	124.00	549.00	67.08	740.08
39	Jack hammer	Hour	12.00	0.00	167.70	179.70
40	Needle vibrator 40 mm (petrol)	Hour	5.00	10.00	80.48	95.48
41	Needle vibrator 40 mm (electric)	Hour	6.00	4.00	80.48	90.48
42	Needle vibrator 60 mm (petrol)	Hour	5.00	15.00	80.48	100.48
43	Needle vibrator 60 mm (electric)	Hour	7.00	6.00	80.48	93.48
44	Planing machine 4 m stroke	Hour	80.00	58.00	107.33	245.33
45	Plate shearing machine up to 12 mm	Hour	28.00	77.00	67.08	172.08
46	Pneumatic placer 0.5 cum	Hour	119.00	0.00	43.68	162.68
47	Pneumatic tamper	Hour	12.00	0.00	134.16	146.16

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
48	Pug cutting machine	Hour	5.00	2.00	0.00	7.00
49	Pusher leg	Hour	7.00	0.00	0.00	7.00
50	Road roller diesel 10 t	Hour	140.00	446.00	100.84	686.84
51	Shovel 0.50 cum 75 hp	Hour	617.00	297.00	111.80	1025.80
52	Shovel 0.85 cum 110 hp	Hour	1047.00	545.00	111.80	1703.80
53	Stationery derrick crane	Hour	60.00	0.00	0.00	60.00
54	Tipper 5 cum	Hour	314.00	187.00	87.17	588.17
55	Tipping tub 1.5 cum	Hour	30.00	0.00	0.00	30.00
56	Tower crane 5 tonne	Hour	640.00	100.00	89.44	829.44
57	Transformer 250 KVA	Hour	3456.00	0.00	0.00	3456.00
58	Truck 10 t	Hour	248.00	187.00	82.10	517.10
59	Truck mounted derrick crane 5 t	Hour	380.00	187.00	82.10	649.10
60	Upright drilling machine	Hour	16.00	19.00	87.36	122.36
61	Ventilation fan 20 hp	Hour	6.00	77.00	14.46	97.46
62	Vibratory pad foot roller 8 t	Hour	821.00	644.00	134.16	1599.16
63	Wagon drill	Hour	131.00	0.00	134.16	265.16
64	Water tanker 8000 ltr	Hour	248.00	187.00	82.10	517.10
65	Welding set	Hour	12.00	46.00	0.00	58.00
66	Winch 35 hp (electric)	Hour	89.00	94.00	134.16	317.16

ANNEXURE

Seigniorage and Cess charges:

- i) The seigniorage charges as fixed by the Government in G.O. Ms. No. 217 Industries and Commerce (M-1) Department dated 29-9-2004, shall be as follows:

Sl.No	Name of the Minor Mineral	Unit	Rates of seigniorage fee(In Rupees)
1	2	3	4
1	Building Stone	M ³ /MT	Rs 45/ 30(Rupees Forty five/Thirty)
2	Rough Stone/Boulders	M ³ /MT	Rs 45/ 30(Rupees Forty five/Thirty)
3	Road Metal & Ballast	M ³ /MT	Rs 45/ 30(Rupees Forty five/Thirty)
3(a)	Dimensional Stone used for Kerbs & Cubes	MT	Rs 80(Rupees Eighty)
4	Limekankar/Limestone	MT	The rate of Royalty as applicable to limestone(other than L.D.Grade) in respect of Major Minerals as per the 2 nd schedule of the Mines and Minerals (D&R)Act 1957.
5	Lime shell	MT	Rs 80(Rupees Eighty)
6	Marble	M ³ /MT	Rs.150/60(Rupees one hundred and fifty/sixty)
7	Marble Chips	MT	Rs.40(Rupees Forty)
8	Moram/Gravel&Ordinary earth	M ³ /MT	Rs.20/12(Rupees Twenty/Twelve)
9	Ordinary Sand/Sand Manufactured from Boulders useful for Civil Construction	M ³	Rs.36(Rupees Thirty Six)
10	Shingle	M ³	Rs.15(Rupees Fifteen)
11	Chalcedony Pebbles	MT	Rs.30(Rupees Thirty)
12	Puller's Earth/Bentonite	MT	Rs.100(Rupees Hundred)-White Rs.40(Rupees Forty)-Off White
13	Shale/Slate	MT	Rs.100(Rupees Hundred)
14	Rehmati	M ³	Rs.15(Rupees Fifteen)
15	Limestone Slabs	--	Rs.6(Rupees Six)per Sq.Mt or Rs.80(Rupees Eighty)per Mt Which ever is higher
a(i)	Colour	--	Rs.4(Rupees Four)per Sq.Mt or Rs.50(Rupees Fifty)per Mt Which ever is higher
a(ii)	White	--	Rs.4(Rupees Four)per Sq.Mt or Rs.50(Rupees Fifty)per Mt Which ever is higher

(b)	Black	--	Rs.3(Rupees Three)per Sq.Mt or Rs.40(Rupees Forty)per Mt Which ever is higher
16	Ordinary Clay, Silt and Brick Earth used in the Manufacture of Bricks including Mangalore Tiles	--	Rs 3500 (Rupees Three thousand and five hundred)per kiln per annum for Bricks & Tiles

(Rate per Cubic metre)

17	Granite useful for Cutting & Polishing	More than 270 Cms x 150 cms Size	Below 270 cm x 150 cm size	Below 75 Cm Size
a	Black Granite Galaxy Variety	Rs.3000/-(Rupees three thousand)	Rs.2250/- (Rupees Two thousand two hundred and fifty)	Rs.1000/- (Rupees one thousand)
b.	Black Granite other than Galaxy Variety	Rs.2250/-(Rupees Two thousand two hundred and fifty)	Rs.1750/- (Rupees one thousand seven hundred and fifty)	Rs.750/- (Rupees Seven hundred and fifty)
c.	Colour Granite of Srikakulam Blue, Indian Aurora of Nizamabad District,Leptinites of Coastal Dists,Black Pearl of Prakasam & Guntur District	Rs.2250/-(Rupees Two thousand two hundred and fifty)	Rs.1750/- (Rupees one thousand seven hundred and fifty)	Rs.750/- (Rupees Seven hundred and fifty)
d.	Colour Granite of other Varities	Rs.1750/-(Rupees one thousand seven hundred and fifty)	Rs.1500/- (Rupees One thousand and five hundred)	Rs.750/- (Rupees Seven hundred and fifty)

Note: In respect of Black Galaxy Granite, Incentive of Rs.250(Rupees two hundred and fifty)per Cubic meter is allowed for the Blocks above 75 cms provided they are processed in the Granite industry within State/Country

SCHEDULE – II

Rates of Dead Rent

Sl No	Name of the Minor Mineral	Rate of Dead Rent per hectare per Annum
1	2	3
1	Black Granite	Rs.50,000/-(Rupees fifty thousand)

2	Colour Granite	Rs.40,000/-(Rupees forty thousand)
3	Limestone other than classified Major Minerals used for Lime burning for Building construction purpose, Marble, Boulders, Building stone including stone used for road metal, Ballast concrete and other construction purposes shale, slate and Phylits, Mosaic Chips, Fuller's Earth/Bentonite	Rs. 25,000/- (Rupees twenty five thousand)
4	Gravel, Morrum, Shingle, Lime Stone Slabs used for flooring purposes, Lime Kankar, Chalcedony Pebbles used in the Building purposes, Lime Shell for burning used for building purposes and Rehmatti	Rs. 15,000/- (Rupees fifteen thousand)

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.