



GOVERNMENT OF ANDHRA PRADESH

**SCHEDULE OF RATES
AS PER
A.P. REVISED STANDARD DATA
FOR THE YEAR 2012-2013
(Effective from 1st June, 2012)**

BOARD OF CHIEF ENGINEERS

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GOVERNMENT OF ANDHRA PRADESH

**PART-I&PART-IV
SCHEDULE OF RATES
AS PER
A.P. REVISED STANDARD DATA
FOR THE YEAR 2012-2013
(Effective from 1st June, 2012)**

BOARD OF CHIEF ENGINEERS

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

Procs.No.ENC/IW/P&M/EE3/DEE10/5/AE/13305/12/Vol-34 , dt:09.7.2012.

Sub: Schedule of Rates as per Revised Standard Data for the year 2012-13 – Irrigation & CAD works (part-1) and Drinking water supply schemes (part-4) - approved- Printing & Communication of SoRs – Reg.

Ref: 1. G.O.Ms.No.49, I & CAD (PW: Reforms) Dept., dt.:2-3-2009.
2. E-in-C (PH) Lr.No.146/T1/SoR/2012-13/2012 dt.17.04.2012.
3. Commissioner, lab our department rates down loaded from Net.
4. Minutes of B.O.CE's meeting for Schedule of Rates held on dt.14-6-2012.

-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 2012-13 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.

The ENC(R&B) Department and ENC (P.R) Department have not furnished the SoR as per A.P.Revised Standard Data.

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

The labour rates are obtained from the Commissioner, labour department vide reference 3rd cited for finalizing the rates for SoR 2012-13.

Based on the proposals, the draft Schedule of Rates for the year 2012-13 were reviewed and finalized in the annual Board of Chief Engineers meeting held on 14-6-2012.

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

The approved basic rates are applicable to the datas as per A.P.Revised Standard Data approved by the Government vide G.O. 1st cited. The Government approval is necessary to adopt any other data (i.e) MORT&H Data for adopting the Road & Bridge Works (Part-2).

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

One hard copy & compact disc containing Schedule of Rates is here with communicated. No other items other than the items communicated by this Office shall be introduced in the SoR.

The Heads of Department and Officers mentioned below are authorized to print the Schedule of Rates for the year 2012-13. The unauthorized printing & selling of the SoR is strictly prohibited. The Schedule of Rates for 2012-13 will be in force until the new SoR comes in to force.

The revised rates will come into force from 1st June of 2012.

The receipt of the proceedings may be acknowledged.

Encl: Annexure-A.

Sd/- L. Narayan Reddy, dt:09.07.2012
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 2012-13 & Standard data, part-1 (Irrigation & CAD works) to all Engineers-in-Chief, Chief Engineers of Irrigation & CAD Department for favour of information.

II) Copy to the Superintending Engineer, Irrigation Circle, Irrigation & CAD Department, Red Hill, Hyderabad for necessary action.

Sd/- L. Narayan Reddy, dt:09.07.2012
Engineer-in-Chief(I.W.)
Chairman, BOCE(S.R)

Important – Read The following

ANNEXURE- A

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

Sd/- L. Narayan Reddy, dt:09.07.2012
Engineer-in-Chief(I.W.)
Chairman, BOCE(S.R)

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IRRIGATION & CAD WORKS

PREAMBLE

PREAMBLE

I.0 AREA ALLOWANCES:

A) CORPORATIONS & MUNICIPALITIES:

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

B) JAIL COMPOUNDS:

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

C) INDUSTRIAL AREA:

- a. 20% over basic rates on labour component works allowed for works situated within 10 Kms belt of Industrial area of, Jeedimetla, Lingampally, Ibrahimpatnam, Tandur in Ranga Reddy District, Ibrahimpatnam, Vuyyuru, Jaggaiahpetta 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, Wadeppally of Nalgonda District, Nagapally (Centenary Colony, Begumpet "X" roads), Takkelapally of Karimnagar District, Hindupur, Tadipatri, Anantapur, Guntakal, Rayalcheruvu, Yadiki of Anantapur District and

Adoni, Dhone, Cement Nagar, Nandyal, Kurnool, Yemmiganur & Bethamcherla of Kurnool District, Anakapally of Vishakhapatnam District.

D) AGENCY / TRIBAL AREAS:

- a) 25% extra is allowed for the works located 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 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 Common item for all earth works (COM-MWRK-Manual Works) for corresponding soil and Standard data items. 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:**Note:**

The rates of the materials indicated in the SOR are inclusive of Seigniorage Charges for materials as fixed by the Government in G.O. Ms.No.198 (Industries and Commerce Dept.) dt: 13.08.2009. In case of revision, the revised rates as fixed by Mines and Geology Department have to be adopted and material rates shall be revised accordingly.

LABOUR RATES

LABOUR RATES

Sl No.	CATEGORY OF WORKER	S. Rate for 2012-13
1	2	3
I.	SKILLED CATEGORY:	
1	Bar bender	330
2	Black smith / Tin smith / Rivetor	315
3	Blaster (Licensed)	355
4	Carpenter Cl- I	315
5	Electrician (Licensed)	355
6	Fitter Cl- I	315
7	Floor Polisher / Tile Layer	315
8	Foreman	355
9	Gauge reader	300
10	Maistry / Work Inspector with Non-technical Qualification SSLC/SSC/HSC	300
11	Mason Cl- I / Brick layer Cl- I	315
12	Mechanic Cl- I	315
13	Operator Air compressor / DG set	315
14	Operator Batching plant	355
15	Operator Bus/Ambulance/ Lorry/ Tanker	315
16	Operator Concrete / Asphalt mixer	315
17	Operator Concrete / Asphalt paver	315
18	Operator Concrete pump / Placer/ ice plant	315
19	Operator Core drilling machine	355
20	Operator Crane/ Tower crane/ Cable way	355
21	Operator Drilling jumbo / Loco / Winch	315
22	Operator Grouting/ Guniting/ Shotcreting	315
23	Operator Jackhammer/Pneumatic tamper	315
24	Operator Pump / Ventilation fan	315
25	Operator Lathe/Drilling/Shearing machine	355
26	Operator Bending / Planing machine	315
27	Operator Road roller	315

Sl No.	CATEGORY OF WORKER	S. Rate for 2012-13
1	2	3
28	Operator Shovel / Scraper / Dozer	355
29	Operator Spillway / Sluice gate	315
30	Operator Crusher / Conveyor / Mucker	315
31	Operator Tipper / Dumper / Transit mixer	355
32	Operator Concrete vibrator	315
33	Operator Vibratory plain / pad foot roller	315
34	Operator Wagon drill / Drifter	355
35	Painter CI- I	350
36	Plumber / Pipe fitter	350
37	Sarang / Khalasi	315
38	Spun pipe moulder	315
39	Stone chiseller CI- I / Stone cutter CI- I	315
40	Struct. steel Fabricator / Marker / Erector	355
41	Welder / Gas Cutter	315
42	Welder (X-ray quality)	355
II.	SEMI SKILLED CATEGORY:	
1	Asphalt Sprayer / Boiler attendant	285
2	Bhisti	285
3	Boatman with boat	300
4	Carpenter CI- II / Erector shuttering	285
5	Cartman with double bullock cart	330
6	Cartman with single bullock cart	310
7	Chavali / Navagani	285
8	Crowbarman / Jumper man	285
9	Fitter CI- II	285
10	Gang man / Head / Survey mazdoor	285
11	Gardener / Trained mali	285
12	Helper Air compressor / DG set	285
13	Helper Batching plant	285
14	Helper Blasting	285

Sl No.	CATEGORY OF WORKER	S. Rate for 2012-13
1	2	3
15	Helper Bus/ Ambulance/ Lorry/ Tanker	285
16	Helper Bending/Shearing/Planing machine	285
17	Helper Carpenter	285
18	Helper Concrete / Asphalt mixer	285
19	Helper Concrete / Asphalt paver	285
20	Helper Core drilling machine	285
21	Helper Crane/ Tower crane/ Cable way	285
22	Helper Drilling jumbo / Loco / Winch	285
23	Helper Fitter / Fabrication/Electrician	285
24	Helper Grouting/ Guniting/ Shotcreting	285
25	Helper Jack hammer / Pneumatic tamper	285
26	Helper Laboratory / Instrumentation	285
27	Helper Road roller	285
28	Helper Shovel / Scraper / Dozer	285
29	Helper Crusher / Conveyor / Mucker	285
30	Helper Tipper / Dumper/ Transit mixer	285
31	Helper Vibrator	285
32	Helper Vibratory plain/ pad foot roller	285
33	Helper Wagon drill/ Drifter	285
34	Lineman Electric / Telephone	285
35	Mason Cl- II / Brick layer Cl-II	285
36	Mechanic Cl- II	285
37	Painter Cl- II	300
38	Patkari / Neeraganti / Sowdy	285
39	Stone Chiseller Cl- II	285
40	Stone breaker / Hammer man	285
41	Valve man / Canal sluice operator	285
III.	UN-SKILLED CATEGORY:	
1	Cement / Asphalt handling mazdoor	250
2	Civic worker	250
3	Heavy mazdoor	250

Sl No.	CATEGORY OF WORKER	S. Rate for 2012-13
1	2	3
4	Light mazdoor	250
5	Watchman	250
IV. OTHER CATEGORY:		
1	Care-taker / conductor / Lift Attender	300
2	Cook / Mess man	300
3	Dhobi	300
4	Diploma Engineer / Surveyor	450
5	Diver with headgear	365
6	Graduate / Laboratory Assistant	350
7	Graduate Engineer/ Geologist	600
8	Horticulture Assistant / Photographer	300
9	ITI certificate holder / Tracer / Printer	350
10	Literate mazdoor	285
11	Stenographer / Computer Operator	400
12	Telephone / Wireless Operator	350
13	Typist / Job Typist	350
14	CAD operator with Diploma in Engineering/General degree with CAD certificate	500
15	Jeep Driver	355
16	Data Processing Operator	500

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

BASIC INPUT DATA FOR IRRIGATION WORK ITEMS

**STATEMENT OF RATES FOR MATERIALS
FOR THE YEAR : 2012-13
GENERAL GUIDE LINES FOR REVISING RATES OF MATERIALS:**

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

Sl No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2012-13
1	2	3	4
1	Acetylene gas	cum	306
2	Asphalt 80/100 Grade	Kg	37
3	Binding wire	Kg	65
4	Burnt stone slab 10 cm thick	sqm	253
5	Cement 43 Gr (including loading charges) Note: As per Monthly rate fixed by Sub-Committee.	tonne	5100 (Rate for 6/2012)
6	Chequered plate	Kg	55
7	Coarse aggregate 10-4.75 mm(including Seigniorage charges)	cum	788
8	Coarse aggregate 20-10 mm(including Seigniorage charges)	cum	1076
9	Coarse aggregate 40-20 mm(including Seigniorage charges)	cum	1024
10	Coarse aggregate 80-40 mm(including Seigniorage charges)	cum	588
	The aggregate rates mentioned above (from Sl.No.7 to Sl.No.10) are inclusive of Seigniorage charges of Rs.50/cum, blasting charges of Rs.70/cum and 25% machine crushing charges. However, if the metal is obtained from hand broken, the blasting and crushing charges shall be deducted. The aggregate shall be HB Stone of Granite, Dolomite, Dolerite and Trap. (Quartzite and Basalt with aggregate impact of less than 20)		
11	Coir brush	Each	39

Part I – Basic Input Data for Irrigation work items-Common SoR 2012-13

Sl No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2012-13
1	2	3	4
12	Copper sheet 16 SWG	kg	607
13	Coursed rubble stone 30 x 30 x 45 cm(including Seigniorage charges)	Each	18
14	Coursed rubble stone 30 x 30 x 60 cm(including Seigniorage charges)	Each	22
15	Curing Compound	ltr	123
16	D – cord	Rm	15
17	Delay - noiseless trunk	Each	19
18	Detonating fuse coil	Rm	10
19	Detonating shock tube / Cord relays	Rm	60
20	Detonator delay type	Each	21
21	Detonator electric	Each	12
22	Detonator ordinary	Each	8
23	Empty cement bag	Each	4
24	Explosive ANFO	kg	37
25	Explosive ANFO high strength booster	kg	71
26	Explosive small dia (Kelvex-220 or equivalent)	kg	63
27	(a)Fine aggregate/ sand(un- screened) for concrete items & filter items) (Including Seigniorage charges)	cum	375
	(b) Sand for filling(Including Seigniorage charges)		288
28	Fine aggregate /Sand (Screened) for mortar ,plastering items and Sand blasting items(Including Seigniorage charges)	cum	490
29	Geo-textile (filter fabric) 160 gsm	sqm	98
30	Geo-textile (filter fabric) 200 gsm	sqm	115
31	Geo-textile (filter fabric) 250 gsm	sqm	138
32	G I Pipe 100 mm dia B Class	Rm	650
33	G I Pipe 15 mm dia A class	Rm	95
34	G I pipe 25 mm dia A class	Rm	145
35	G I pipe 40 mm dia B class	Rm	265
36	G I pipe 50 mm dia A class	Rm	290

Part I – Basic Input Data for Irrigation work items-Common SoR 2012-13

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2012-13
1	2	3	4
37	G I Pipe 80 mm dia B Class	Rm	450
38	G.I Bolts / Nuts and Washers	kg	97
39	G.I sheet (plain)	tonne	57,375
40	Hariyala turfing sods	sqm	25
41	Hectometer stone one line dressed	Each	208
42	Hemp yarn	kg	65
43	Honne wood planks	cum	49,333
44	Hume pipe with collar 150 mm dia	Rm	288
45	Hume pipe with collar 300 mm dia	Rm	568
46	J- Bolts 30 cm long	Each	30
47	Jungle wood planks	cum	19,833
48	Khandki stone 15 to 20 cm height	Each	10
49	Khandki stone 20 to 25 cm height	Each	12
50	Khandki stone 25 to 30 cm height	Each	14
51	Kilometer stone one line dressed	Each	385
52	LDPE sheet (Geo membrane) 500 micron thick	sqm	78
53	LDPE sheet (Geo membrane) 750 micron thick	sqm	113
54	LDPE sheet (Geo membrane) 1000 micron thick	sqm	160
55	M S Bolts / Nuts / Washers	kg	76
56	Murum(including Seigniorage charges and loading charges)	cum	110
57	Oxalic acid	ltr	66
58	Oxygen gas	cum	45
59	PVC sealing strip	Rm	39
60	PVC water stopper 310 mm wide	Rm	435
61	PVC pipe of 100 mm dia	Rm	157
62	Reinforcement steel (including loading charges) (HYSD/TMT) Note: As per Monthly rate fixed by Sub-Committee	tonne	48,000 (Rate for 6/2012)
63	Resin bond Cement capsule	Each	61

Part I – Basic Input Data for Irrigation work items-Common SoR 2012-13

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2012-13
1	2	3	4
64	Rough stone 20 x 20 x 75 cm (Including Seigniorage Charges)	Each	21
65	Shahabad stone slab (including Seigniorage charges and loading charges)	sqm	200
66	Stone chips (at dump yard/Spoil)(including Seigniorage charges and loading charges)	cum	195
67	Stone chips (at quarry)(including Seigniorage charges and loading charges)	cum	337
68	Structural steel angle / channel / beam / bars (including loading charges) Note: As per Monthly rate fixed by Sub-Committee	tonne	48,500 (Rate for 6/2012)
69	Structural steel plate / flats (including loading charges) Note: As per Monthly rate fixed by Sub-Committee	tonne	46,000 (Rate for 6/2012)
70	Super Plasticizer (Conplast RP-264 or equivalent)	kg	69
71	Synthetic Enamel paint 1st quality	ltr	216
72	Synthetic adhesive (Resin + Hardener)	Kg	307
73	Tar felt joint filler board 12 mm thick	sqm	370
74	Tar felt joint filler board 20 mm thick	sqm	570
75	Through stones 20 x 20 x 30 to 45 cm long(including Seigniorage charges and loading charges)	Each	21
76	Through stones 25 x 25 x 45 to 60 cm long(including Seigniorage charges and loading charges)	Each	35
77	Through stones 30 x 30 x 65 to 75 cm long(including Seigniorage charges and loading charges)	Each	55
78	Un-coursed rubble stones (at dump yard /Spoil) (including Seigniorage charges and loading charges)	cum	178
79	Un-coursed rubble stones (at quarry)(including Seigniorage charges and loading charges)	cum	293
80	Water proofing compound	kg	66

Part I – Basic Input Data for Irrigation work items-Common SoR 2012-13

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2012-13
1	2	3	4
81	Welding electrodes 4 mm dia	Each	12
82	Wire brush	Each	38
83	Wire mesh 20 gauge	sqm	193
84	Zinc chromate red oxide primer paint	ltr	156
85	inorganic zinc silicate	ltr	595
86	solvent less coal tar epoxy paint	ltr	233
87	Zinc phosphate primer	ltr	189
88	Allkyd based iron oxide paint	ltr	169
89	a) Cost of hdpe (80mm dia)	Rm	560
	b) light black MS casing pipe 80mm dia (4mm thick)	Rm	605
90	welded steel wire fabric 100X100X5 mm size	Kg	133

**ADDITIONAL MATERIALS FOR GATES & HOISTS
FOR THE YEAR: 2012-13**

GUIDE LINES:

- a. For cast steel / Alloy steel / Forged steel / Bronze, aluminum alloy components the rates shall be inclusive of cost of basic metal for these components, casting / forging charges, machining charges and applicable excise duty on finished alloy component.
- b. For other materials the rates shall be prevailing market rates.

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2012-13
1	2	3	4
1	Alloy steel (IS : 1570-carbon steel) shafts	kg	177
2	Alloy steel (IS : 1570-stainless steel) pins	kg	375
3	Bolt / Nut / Washer (hot dipped galvanized)	kg	114
4	Bolt / Nut / Washer (stainless steel)	kg	296
5	Bronze/Aluminum alloy(IS:305)bearings/bushes	kg	788
6	Cast iron blocks	kg	74
7	Cast steel drums / gears	kg	187
8	Cast steel pinions	kg	181
9	Cast steel wheels / pulleys / hubs / rollers / retainers	kg	163
10	Chemical for de-greasing/ derusting/phosphate coating	ltr	124
11	Coal tar epoxy paint	ltr	187
12	Forged steel hooks / shackles	kg	237
13	MS pipe 200 / 300 mm dia	kg	159
14	MS pipe 32 mm dia	Rm	170
15	MS pipe 25 mm dia	Rm	136
16	Rubber bottom seal (IS : 11855)	Rm	766
17	Rubber side seal (music note type Teflon claded) (IS : 11855)	Rm	1864
18	Rubber side seal (music note type uncladed) (IS : 11855)	Rm	1467
19	Rubber side seal Z-type (IS : 11855)	Rm	2427

Part I – Additional Materials for Gates & Hoists-Common SoR 2012-13

Sl No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2012-13
1	2	3	4
20	Rubber corner seal (Teflon claded) (IS : 11855)	Rm	3721
21	Rubber corner seal (un claded) (IS : 11855)	Rm	3089
22	Stainless steel plates / flats	kg	241
23	Welding electrode 4 mm dia x 450 mm (radiographic low hydrogen)	Each	16
24	Welding electrode 4 mm dia x 450 mm (stainless steel)	Each	24
25	Wire rope 6x37 constn (IS : 2266)	kg	227
26	Zinc	kg	149
27	Zinc rich (zinc content : 90 %) epoxy primer	ltr	592

**MATERIALS FOR POWER SUPPLY WORKS
FOR THE YEAR : 2012-13**

Sl No.	Description of Material	Unit	S. Rate for 2012-13
1	Electric pole with fixtures	Each	For establishing Electrical Sub-Stations at the Project Sites wherever necessary, the rates approved by APTRANSCO may be followed.
2	Flood light 500 W	Each	
3	Flood light set	Each	
4	Flousscent tube light 40 W	Each	
5	Flousscent tube light set	Each	
6	HT / LT Circuit breaker with accessories	Set	
7	HT / LT Line conductor	1000 m	
8	PVC Armoured cable 10 sqmm and below	Rm	
9	PVC Armoured cable 16 sqmm	Rm	
10	PVC Armoured cable 25 sqmm	Rm	
11	PVC Armoured cable 70 sqmm	Rm	

DETAILS OF CAPITAL COST OF MACHINERY / EQUIPMENT
FOR THE YEAR: 2012-13
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.

Sl No:	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2012-13
1	2	3	4
1	Agitator car / Transit mixer 2 cum (excluding tyres)	Each	21,60,000
	tyres and tubes 6 sets		86,000
2	Air compressor 5 cmm electric	Each	7,15,000
3	Air compressor 7 cmm diesel	Each	9,61,000
4	Air compressor 7 cmm electric	Each	8,63,000
5	Air compressor 8.5 cmm diesel	Each	10,86,000
6	Air compressor 8.5 cmm electric	Each	11,30,000
7	Air compressor 15 cmm electric	Each	13,72,000
8	Angle Dozer 90 hp	Each	54,91,000
9	Batching plant 0.5 cum with accessories	Each	12,07,000
10	Batching plant 2 x 1.00 cum with accessories	Each	42,52,000
11	Batching plant 2 x 1.50 cum with accessories	Each	54,43,000
12	Bending machine	Each	5,55,000
13	Clamp shell and hoisting ropes	Each	30,000
14	Concrete bucket 1.5 cum	Each	58,000
15	Concrete hand mixer 45/30 ltr	Each	16,000
16	Concrete mixer 300/200 ltr(diesel)	Each	1,45,000
17	Concrete mixer 300/200 ltr (electric)	Each	1,40,000
18	Concrete mixer 600/400 ltr(diesel)	Each	2,65,000
19	Concrete mixer 600/400 ltr (electric)	Each	2,58,000

Part I – Capital Cost of Machinery/ Equipment-Common SoR 2012-13

Sl No:	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2012-13
1	2	3	4
20	Concrete paver 100 Sqm / hr	Each	23,71,000
21	Convey mucker (excluding tyres)	Each	38,68,000
	tyres and tubes 6 sets		86,000
22	Core drilling machine	Each	11,14,000
23	Diesel generating set 30 KVA	Each	5,01,000
24	Diesel generating set 50 KVA	Each	6,45,000
25	Diesel Loco 45 hp	Each	21,26,000
26	Dewatering pump 5 hp diesel	Each	43,000
27	Dewatering pump 5 hp electric	Each	26,000
28	Dewatering pump 10 hp diesel	Each	62,000
29	Dewatering pump 10 hp electric	Each	59,000
30	Dewatering pump 20 hp diesel	Each	1,96,000
31	Dewatering pump 20 hp electric	Each	1,02,000
32	Drifter	Each	10,62,000
33	Drilling jumbo (excluding tyres)	Each	13,11,000
	tyres and tubes 6 sets		86,000
34	Dumper 4.5 cum (excluding tyres)	Each	14,77,000
	tyres and tubes 6 sets		86,000
35	Geophysical Ele.resistivity meter	Each	4,89,000
36	Grouting pump	Each	1,04,000
37	Guniting / sand blasting equipment	Each	2,88,000
38	Ice plant with accessories 30 t / day	Each	22,87,000
39	Jack hammer	Each	68,000
40	Needle vibrator 40 mm petrol	Each	20,000
41	Needle vibrator 40 mm electric	Each	22,000
42	Needle vibrator 60 mm petrol	Each	21,000
43	Needle vibrator 60 mm electric	Each	26,000
44	Planing machine 4 m stroke	Each	7,86,000
45	Plate shearing machine up to 12 mm	Each	4,26,000

Part I – Capital Cost of Machinery/ Equipment-Common SoR 2012-13

Sl No:	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2012-13
1	2	3	4
46	Pneumatic placer 0.5 cum	Each	5,84,000
47	Pneumatic tamper	Each	85,000
48	Pug cutting machine	Each	16,000
49	Pusher leg	Each	53,000
50	Road roller diesel 10 t	Each	8,52,000
51	Shovel 0.50 cum 75 hp	Each	37,75,000
52	Shovel 0.85 cum 110 hp	Each	63,88,000
53	Stationery derrick crane 5 t	Each	6,55,000
54	Tipper 5 cum (excluding tyres)	Each	16,31,000
	tyres and tubes 6 sets		86,000
55	Tipping tub 1.5 cum	Each	2,42,000
56	Tower crane 5 tonne	Each	74,88,000
57	Transformer 250 KVA	Each	4,53,000
58	Truck 10 t (excluding tyres)	Each	14,96,000
	tyres and tubes 6 sets		86,000
59	Truck mounted derrick crane 5 t (excluding tyres)	Each	19,65,000
	tyres and tubes 6 sets		86,000
60	Upright drilling machine	Each	58,000
61	Ventilation fan 20 hp	Each	2,66,000
62	Vibratory pad foot roller 8 t	Each	29,86,000
63	Wagon drill	Each	6,55,000
64	Water tanker 8000 ltr (excluding tyres)	Each	14,25,000
	tyres and tubes 6 sets		86,000
65	Welding set	Each	49,000
66	Winch 35 hp electric	Each	3,73,000

ACCESSORIES TO MACHINERY / EQUIPMENT FOR THE YEAR : 2012-13

Sl No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2012-13
1	2	3	4
1	Casing shoe bit	Each	10,000
2	Diamond core bit BX size	Each	10,000
3	Diamond core bit NX size	Each	12,000
4	Double tube core barrel	Each	13,000
5	Extension drill rod with coupling sleeve	Rm	2000
6	Jack hammer drill rod 1.5 m	Each	4000
7	Jack hammer drill rod 2.5 m	Each	6000
8	Nozzle for Guniting / sand blasting gun	Each	700
9	Paving Cylinder	Each	28,000
10	Rails 30R (30 kg / m)	tonne	49,000
11	Reamer shell	Each	5000
12	T.C. Cross bit 50 mm dia	Each	5000
13	T.C. Cross bit 75 mm dia	Each	10,000
14	T.C. Cross bit 100 mm dia	Each	12,000
15	Tyres and Tubes for truck	Set	17,000
16	Wire rope 16 mm dia	Rm	265
17	Excavation of drain with Excavator	cum	30

AGGREGATE CRUSHING & PROCESSING PLANT

Sl No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2012-13
1	2	3	4
1	Jaw crusher 900 x 500 mm (120 tph) with 50 hp motor	Each	19,34,000
2	Jaw crusher 500 x 300 mm (60 tph) with 30 hp motor	Each	10,98,000
3	Jaw crusher 400 x 225 mm (10 tph) with 25 hp motor	Each	5,61,000
4	Jaw plates 900 x 500 mm (serreted)	Set	1,43,000
5	Jaw plates 500 x 300 mm (serreted)	Set	62,000
6	Jaw plates 400 x 225 mm (serreted)	Set	43,000
7	Nylon Conveyor belt 3 ply 600 mm width	Rm	2,000
8	Nylon Conveyor belt 3 ply 1000 mm width	Rm	3,000

**OTHER COSTS ON MATERIAL / MACHINERY / EQUIPMENT
FOR THE YEAR : 2012-13**

- 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.

Sl No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2012-13
1	2	3	4
1	Air hose 25 mm dia	Rm	145
2	Air hose 50 mm dia	Rm	259
3	Demand charges (HT-2B) on power supply	KVA / month	241
4	Diesel	ltr	46
5	Electric power (HT-2B category) including tax	Kwhr	7.50
6	Excise duty on Gates / Hoist supplies	%	0%
7	Insurance charges on machinery	% / annum	1%
8	Interest on capital cost	% / annum	12%
9	Lubricants	ltr	239
10	Petrol	ltr	75
11	Rivets	kg	86
12	Road tax on transport vehicles	Rs./annum	15,767
13	Shalimastic sealing compound	kg	79
14	Shutter oil	ltr	68
15	Structural steel fabrication	kg	21
16	Sundries (Lump sum for un quantified inputs)	LS	36
17	Water hose (pressure) 20 mm dia	Rm	190
18	Steel wedges	LS	14
19	Elbows / Nipple / Plugs etc.,	LS	15
20	Soldering materials	LS	15
21	Steam circulation arrangement	LS	15

Part I – Other Costs on Material/ Machinery/ Equipment - Common SoR 2012-13

Sl No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2012-13
1	2	3	4
22	Fuel charges (gas for heating)	LS	15
23	Vulcanizing materials	LS	15
24	Other accessories / controls / junctions	LS	deleted
25	Miscellaneous fittings / switches etc	LS	deleted
26	Anchors / supports for cables / lights	LS	deleted
27	Civil works for foundations / pedestals / duct etc	LS	deleted
28	Gas cutting set (2 No's 15 m hose and nozzle unit)	Each	12,350
29	Grease	Kg	221
30	Welding holder set (cable / holder / gloves / mask etc)	Each	6,375
31	Use rate of ropes	LS	130

MATERIALS FOR GATES AND HOISTS
FOR THE YEAR : 2012-13

Sl No.	DESCRIPTION OF MATERIAL	UNIT	S Rate for 2012-13
1	Worm reducers	Each	2,04,000
2	Electric motor 20 hp(Double Shaft)	Each	1,10,000
3	Electric motor 17.5 hp(Double Shaft)	Each	78,000
4	Electric motor 12.5 hp(Double Shaft)	Each	66,000
5	Electric motor 5 hp(Double Shaft)	Each	30,000
6	Electric motor 3 hp (Double Shaft)	Each	21,000
7	Electric motor 2 hp (Double Shaft)	Each	11,000
8	Floating shaft 300 mm dia	Kg	164
9	Manual operating system	Each	26,200
10	Gate position indicator	Each	1,78,000
11	Ele-magnetic brake	Each	32,000
12	Electric cable / switch / control panel etc	LS	45,800
13	Wire rope sockets	Each	4,200

Other "Over Heads" to be added in the Basic Data wherever applicable for Irrigation Work Items for the year 2012-13

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

Materials other than covered under irrigation
For the year 2012-13
GENERAL GUIDE LINES FOR REVISING RATES OF MATERIALS:

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

Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
M-002	Quarried stone 150 - 200 mm size for Hand Broken (Excluding lead charges)	cum	171
M-003	Boulder with minimum size of 300 mm for Pitching	cum	186
M-004	Sand for filling (Including Seigniorage charges)	cum	Rate as per item no.27(b) of material of I&CAD
M-005	Fine aggregate/ sand(un-screened)for concrete items, &filter items)Including Seigniorage charges)	cum	Rate as per item no.27(a) of material of I&CAD
M-006	Fine aggregate /Sand (Screened) for mortar for plastering items and sand blasting items. (Including Seigniorage charges)	cum	Rate as per item no.28 of material of I&CAD
M-007	Murum (including Seigniorage charges)	cum	Rate as per item no.56 of Material rates of I&CAD.
M-008	Gravel/Quarry spall	Cum	97
M-009	Granular Material or hard murum for GSB works	Cum	Deleted
M-010	Granular Material or hard murum for GSB works	Cum	98
M-011	Fly ash conforming to IS: 3812 (Part II & I)	Cum	65
	For item No.M-012 to M-029 the note shall be as follows 1) The rates mentioned are inclusive of Seigniorage charges of Rs.50/ cum, blasting charges of Rs.70/cum and 25% machine crushing charges. However, if the metal is obtained by hand broken, machine crushing charges shall be deducted. 2) If the material is obtained by hand broken from surface boulders/canal spoil, the blasting and crushing charges shall be deducted. 3)The material shall be HB Stone of Granite, Dolomite, Dolerite and Trap.(Quartzite and Basalt with aggregate impact of less than 20)		
M-012	Filter media/Filter Material as per Table 300-3	Cum	350

Part I – Other Dept.'s Basic Input - Common SoR 2012-13

Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
	(MoRT&H Specification)		
M-013	Close graded Granular sub-base Material 53 mm to 9.5 mm	cum	635
M-014	Close graded Granular sub-base Material 37.5 mm to 9.5 mm	cum	656
M-015	Close graded Granular sub-base Material 26.5 mm to 9.5 mm	cum	677
M-016	Close graded Granular sub-base Material 9.5 mm to 4.75 mm	cum	572
M-017	Close graded Granular sub-base Material 9.5 mm to 2.36 mm	cum	562
M-018	Close graded Granular sub-base Material 4.75mm to 2.36 mm	cum	499
M-019	Close graded Granular sub-base Material 4.75mm to 75 micron mm	cum	478
M-020	Close graded Granular sub-base Material 2.36 mm	cum	478
M-021	Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.	cum	357
M-022	Coarse graded Granular sub-base Material 2.36 mm & below	cum	436
M-023	Coarse graded Granular sub-base Material 4.75mm to 75 micron mm	cum	467
M-024	Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm	cum	467
M-025	Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm	cum	546
M-026	Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm	cum	593
M-027	Coarse graded Granular sub-base Material 26.5 mm to 9.5 mm	cum	646
M-028	Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm	cum	656
M-029	Coarse graded Granular sub-base Material 53 mm to 26 .5mm	cum	803
	For item No.M-030 & M-055 the note shall be as follows 1) The rates mentioned are inclusive of Seigniorage charges of Rs.50/ cum, blasting charges of Rs.70/cum and 25% machine crushing charges. However, if the metal is obtained by hand broken, machine crushing charges shall be deducted. 2) If the material is obtained by hand broken from surface boulders/canal spoil, the blasting and crushing charges shall be deducted. 3)The material shall be HB Stone of Granite, Dolomite, Dolerite and Trap.(Quartzite and Basalt		

Part I – Other Dept.'s Basic Input - Common SoR 2012-13

Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
	with aggregate impact of less than 20)		
M-030	Aggregates below 5.6 mm	cum	530
M-031	Aggregates 22.4 mm to 2.36 mm	cum	845
M-032	Aggregates 22.4 mm to 5.6 mm	cum	950
M-033	Aggregates 45 mm to 2.8 mm	cum	662
M-034	Aggregates 45 mm to 22.4 mm	cum	Rate as per item no.9 of Material rates of I&CAD.
M-035	Aggregates 53 mm to 2.8 mm	cum	845
M-036	Aggregates 53 mm to 22.4 mm	cum	803
M-037	Aggregates 63 mm to 2.8 mm	cum	656
M-038	Aggregates 63 mm to 45 mm	cum	625
M-039	Aggregates 90 mm to 45 mm	cum	Rate as per item no.10 of Material rates of I&CAD.
M-040	Aggregates 10 mm to 5 mm	cum	Rate as per item no.7 of Material rates of I&CAD.
M-041	Aggregates 11.2 mm to 0.09 mm	cum	662
M-042	Aggregates 13.2 mm to 0.09 mm	cum	740
M-043	Aggregates 13.2 mm to 5.6 mm	cum	845
M-044	Aggregates 13.2 mm to 10 mm	cum	940
M-045	Aggregates 20 mm to 10 mm	cum	Rate as per item no.8 of Material rates of I&CAD.
M-046	Aggregates 25 mm to 10 mm	cum	1034
M-047	Aggregates 19 mm to 6 mm	cum	950
M-048	Aggregates 37.5 mm to 19 mm	cum	1008
M-049	Aggregates 37.5 mm to 25 mm	cum	992
M-050	Aggregates 6 mm nominal size	cum	688
M-051	Aggregates 10 mm nominal size	cum	861
M-052	Aggregates 13.2/12.5 mm nominal size	cum	1029
M-053	Aggregates 20 mm nominal size	cum	1234
M-054	Aggregates 25 mm nominal size	cum	1213

Part I – Other Dept.'s Basic Input - Common SoR 2012-13

Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
M-055	Aggregates 40 mm nominal size	cum	782
M-056	AC pipe 100 mm dia	metre	Rate as per PH item
M-057	Acrylic polymer bonding coat	litre	430
M-058	Aluminum Paint	litre	310
M-059	Aluminum alloy plate 2mm Thick	sqm	347
M-060	Aluminum alloy/Galvanized steel	tonne	64,667
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	870
M-062	Aluminum studs 100 x 100 mm fitted with lens reflectors	No's	As per local market rate
M-063	Barbed wire	kg	74
M-064	Bearing (Cost of parts)	No's	532
M-065	Bearing (Cast steel rocker bearing assembly of 250 tonne)	No's	729
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 vulcanization,)	Cm ³	As per Market Competitive rates.
M-067	Bearing (Forged steel roller bearing of 250 tonne)	No's	
M-068	Bearing (Pot type bearing assembly consisting of a metal piston supported by a disc, PTFE pads providing sliding surfaces against stainless steel mating together with cast steel assemblies/fabricated structural steel assemblies duly painted with all components	No's	
M-069	Bearing (PTFE sliding plate bearing assembly of 80 tonnes)	No's	
M-070	Bearing (Supply of sliding plate bearing of 80 tonne)	No's	
M-071	Bentonite	kg	7
M-072	Binding wire	kg	Rate as per item no.3 of Material rates of I&CAD.
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)	Tone	
M-075	Bitumen (80-100 grade) (Excluding taxes)	Tone	
M-076	Bitumen (Cutback)	Tone	

Part I – Other Dept.'s Basic Input - Common SoR 2012-13

Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
M-077	Bitumen (emulsion)(Excluding taxes)	Tone	
M-078	Bitumen (modified graded)	Tone	
M-079	Brick	each	As per Building SSR
M-080	C.I. shoes for the pile	kg	51
M-081	Cement	tonne	Rate as per item no.5 of Material rates of I&CAD.
M-082	Cold twisted bars (HYSD/TMT Bars)	tonne	Rate as per item no.62 of Material rates of I&CAD
M-083	Collar for joints 300 mm dia	No's	153
M-084	Compressible Fibre Board(20mm thick)	sqm	487
M-085	Connectors/ Staples	each	75
M-086	Copper Plate(12m long x 250mmwide)	kg	497
M-087	Corrosion resistant Structural steel	tonne	55,333
M-088	Corrugated sheet, 3 mm thick, "Tie" beam section railing	kg	192
M-089	Credit for excavated rock found suitable for use	cum	178
M-090	Curing compound	liter	125
M-091	Delineators from ISI certified firm as per the standard drawing given in IRC - 79	each	As per local competitive quotations
M-092	Earth Cost or compensation for earth taken from private land(Excluding Seigniorage Charges)	cum	30
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	1208
M-095	Epoxy compound with accessories for preparing epoxy mortar	kg	325
M-096	Epoxy mortar	kg	105
M-097	Epoxy primer	kg	548
M-098	Epoxy resin-hardner mix for prime coat	kg	568
M-099	Flag of red color cloth 600 x 600 mm	each	24
M-100	Flowering Plants	each	36

Part I – Other Dept.'s Basic Input - Common SoR 2012-13

Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
M-101	Galvanized MS flat clamp	No's	186
M-102	Galvanized steel wire crates of mesh size 100 mm x 100 mm woven with 4mm dia. GI wire in rolls of required size.	sqm	168
M-103	Galvanized structural steel plate 200 mm wide, 6 mm thick, 24 m long	kg	860
M-104	Gelatin 80%	kg	593
M-105	Geo grids	sqm	As per local competitive quotations
M-106	(a)Geo membrane 500 micron thick	sqm	75
	(b) Geo membrane 750 micron thick	sqm	113
	(c) Geo membrane 1000 micron thick	sqm	155
M-107	Geo nets	sqm	As per local competitive quotations
M-108	(a)Geo textile 160 gsm	sqm	104
	(b) Geo textile 200 gsm	sqm	115
	(c) Geo textile 250 gsm	sqm	140
M-109	Geo textile filter fabric	sqm	As per local competitive quotations
M-110	GI bolt 10 mm Dia	No's	21
M-111	Grouting pump with agitator	hour	Rate covered in hire charges of machinery of Irrigation items
M-112	Grass (Doob)	kg	5
M-113	Grass (Fine)	kg	7
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	Tone	
M-120	Joint Sealant Compound	Kg	
M-121	Jute netting, open weave, 2.5 cm square opening for seeding and Mulching	sqm	84

Part I – Other Dept.'s Basic Input - Common SoR 2012-13

Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
M-122	LDO for steam curing	litre	62
M-123	M.S. Clamps	kg	Deleted
M-124	M.S. Clamps	kg	Rate as per local competitive quotations
M-125	M.S. shoes @ 35 Kg per pile of 15 m	kg	Rate as per local competitive quotations
M-126	Mild Steel bars	tonne	46,000
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 authorized representative	metre	Rate as per local competitive quotations
M-128	Modular strip/box seal expansion joint catering to a horizontal movement beyond 140mm and up to 210mm box/box seal joint assembly containing 3 modules/cells and comprising of edge beams, two central beams, chloroprene seal, anchorage elements, support and control system, all steel sections protected against corrosion and installed by the manufacturer or his authorized representative	metre	Rate as per local competitive quotations
M-129	Nipples 12mm	No's	17
M-130	Nuts and bolts	kg	82
M-131	Paint	litre	210
M-132	Pavement Marking Paint	litre	Rate as per local competitive quotations
M-133	Paving Fabric	Sqm	
M-134	Perforated geo synthetic pipe 150 mm dia	Metre	
M-135	Perforated pipe of cement concrete, internal dia 100 mm	Metre	
M-136	Pesticide	kg	Rate as per local competitive quotations
M-137	R.C.C Pipes 200 mm dia, 2.5 m long for drainage	metre	Rate as per PH item

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Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
M-138	Plastic sheath, 1.25 mm thick for dowel bars	Sqm	Rate as per local competitive quotations
M-139	Plastic tubes 50 cm dia , 1.2 m high	No's	
M-140	Polymer braids	metre	
M-141	Pre moulded Joint filler, 25 mm thick for expansion joint.	Sqm	
M-142	Pre-coated stone chips of 13.2 mm nominal size	Cum	
M-143	Preformed continuous chloroprene elastomer or closed cell foam sealing element with high tear strength, vulcanized in a single operation for the full length of a joint to ensure water tightness.	metre	Rate as per local competitive quotations
M-144	Pre-moulded asphalt filler board	Sqm	
M-145	Pre-packed cement based polymer concrete of strength 45 Mpa at 28 days	kg	Rate as per local competitive quotations
M-146	Primer	kg	As per building SSR
M-147	Quick setting compound	kg	As per local market rate
M-148	Random Rubble Stone	cum	263
M-149	RCC Pipe NP 4 heavy duty non pressure pipe 1000 mm dia	metre	Rate as per PH items
M-150	RCC Pipe NP 4 heavy duty non pressure pipe 1200 mm dia	metre	
M-151	RCC Pipe NP 4 heavy duty non pressure pipe 300 mm dia	metre	
M-152	Reflectorising glass beads	kg	Rate as per local 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. (Galvanized 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	5

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Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
M-159	Sand bags (Cost of sand and Empty cement bag)	No's	14
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	72
M-162	Seeds(Grass)	kg	16
M-163	Selected earth	cum	90
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	14
M-167	Sludge / Farm yard manure @ 0.18 cum per 100 sqm at site of work for turfing	cum	Rate as per local competitive quotations
M-168	Sodium vapour lamp	each	As per building SSR
M-169	Square Rubble Coursed Stone	cum	1997
M-170	Steel circular hollow pole of standard specification for street lighting to mount light at 5 m height above deck level	each	Rate to be obtained from Electricity/ Municipal Departments
M-171	Steel circular hollow pole of standard specification for street lighting to mount light at 9 m height above road level	each	
M-172	Steel drum 300 mm dia 1.2 m high/empty bitumen drum	No's	As per local competitive market rate
M-173	Steel helmet and cushion block on top of pile head during driving.	kg	
M-174	Steel pipe 25 mm external dia as per IS:1239	metre	256
M-175	Steel pipe 50 mm external dia as per IS:1239	metre	498
M-176	Steel wire rope 20 mm	kg	166
M-177	Steel wire rope 40 mm	kg	187
M-178	Strip seal expansion join	metre	Rate as per local competitive quotations
M-179	Structural Steel(HYSD/TMT bars)	tonne	Rate as per item no.62 of Material rates of I&CAD
M-180	Super plasticizer admixture IS marked as per 9103-1999	kg	58
M-181	Synthetic Geo grids as per clause 3102.8 and approved design and specifications.	sqm	Rate as per local competitive

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Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
			quotations
M-182	Through and bond stone (a) 20X20x30 to 45 cm long	each	31
	Through and bond stone (b) 25X25x45 to 60 cm long	each	38
	Through and bond stone (c) 30X30x65 to 75 cm long	each	56
M-183	Tie rods 20mm diameter	No's	46
M-184	Tiles size 300 x 300 mm and 25 mm thick	each	As per Building SSR
M-185	Timber	cum	
M-186	Traffic cones with 150 mm reflective sleeve	No's	Rate as per local competitive quotations
M-187	Tube anchorage set complete with bearing plate, permanent wedges etc	No's	
M-188	Un slaked lime	tonne	2283
M-189	Water	KiloLitre	90
M-190	Water based cement paint	litre	As per building SSR
M-191	Welded steel wire fabric	kg	134
M-192	Wire mesh 50mm x 50mm size of 3mm wire	kg	227
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	1150
M-196	Wooden staff for fastening of flag 25 mm dia, one m long	each	70
Item 8.3	Printing new letter and figures of any shade (ii) English Roman —	per cm height per letter	1.40
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	As per Building SSR

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Sl. No.	Description	Unit	S. Rate for 2012-13
1	2	3	4
	Miscellaneous Items		
1	Benching old embankment slopes 0.45 X 0.45 M	RM	3.80
2	Laying Sand Bags in the stipulated places including cost of empty cement bag, sand, thread, stitching charges and labour charges with 14% overhead charges and contractors profits.	per bag	22.60
3	Rough stone for revetment 225mm thick (including Seigniorage charges)	Cum	166.70
4	Eradication of Weed growth from Drains, Canals by spraying Chemicals	sqm	1.50
5	Thinner	ltr	125

PUBLIC HEALTH ITEMS

PUBLIC HEALTH ITEMS			
Sl. No	Description	Unit	SoR for 2012-2013
1	2	3	6
1	RATES OF LABOUR (SKILLED WORKMEN)		
	1. Caulkar	Per Day	As per Labour rates of SoR
	2. Plumber 1st Class	Per Day	
	3. Plumber 2nd Class	Per Day	
	4. Sewer Cleaner	Per Day	
	5. Well Sinker	Per Day	
	6. Pipe line Fitter 1st Class	Per Day	
	7. Pipe line Fitter 2nd Class	Per Day	
	8. Pump Driver	Per Day	
	9. Bore Mechanic	Per Day	
	10. Light Vehicle Driver	Per Day	
	Note: The rate at relevant item in common SoR is applicable for occasional employment.		
2	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.		
4	Loading or unloading materials such as C.I. Pipes, PVC Pipes, AC Pressure Pipes, DI Pipes, SW Pipes, PVC Pipes, A.C/Specials less than 300 mm dia upto 4 m in length including stacking.		
a.	C.I. Pipes/D.I. Pipes and fittings	Per Tonne	To follow as per AP. Standard data
b.	A.C. Pipes & Specials	Per Tonne	
c.	Stoneware pipes & Specials	Per Tonne	
d.	P.V.C. Pipes and fittings	Per Tonne	
5	Loading or unloading materials such as C.I. Pipes, DI pipes, SW pipes, AC pressure pipes & fittings/ specials from 300 mm to 600 mm dia upto 4 m in length including stacking.		
a.	C.I. Pipes/D.I. Pipes and fittings	Per Tonne	To follow as per AP. Standard data
b.	A.C. Pipes & Specials	Per Tonne	
c.	Stoneware pipes & Specials	Per Tonne	
6	Loading or unloading materials such as C.I. Pipes, DI pipes, PVC pipes, AC pipes less than 300 mm dia, above 4 m in length including stacking.		
a.	C.I. Pipes/D.I. Pipes and fittings	Per Tonne	To follow as per AP. Standard data
b.	A.C. Pipes & Specials	Per Tonne	
c.	P.V.C. Pipes and fittings	Per Tonne	
7	Loading or unloading materials such as C.I. Pipes, DI pipes, AC pipes from 300 mm to 600 mm above 4 m in length including stacking.		
a.	C.I. Pipes/D.I. Pipes and fittings	Per Tonne	To follow as per AP Standard data
b.	A.C. Pipes & Specials	Per Tonne	

	Note:- For loading and unloading the above materials at Railway Stations, the rates may be adopted based on the competitive quotations or the hammalae charges if prevailing.		
8. a.	Lowering C.I. / D.I. Pipes (all classes) and specials (fittings) with s/s ends carefully into trenches and laying them true to alignment and gradient including all sundries but excluding cost and conveyance of pipes from source of supply (Ref to specifications. BIS No.3114/1994)		To follow as per AP. Standard data
	DIAMETER OF PIPE/Fittings in mm :		
	80mm to 1000mm dia	Per Metre	
8. b.	Lowering C.I. / D.I. Pipes (all classes) and specials (fittings) with flanged ends carefully into trench and laying them true to alignment and gradient including all sundries but excluding cost and conveyance of pipes from source of supply. (Reference to specifications. BIS No.3114/1994)		To follow as per AP. Standard data
	DIAMETER OF PIPE/Fittings in mm :		
	80mm to 750mm dia		
	800	Per Metre	398.00
	900	Per Metre	517.00
	1000	Per Metre	673.00
9. a.	Jointing CI /DI pipes & fittings with s/s ends including cost of pig lead, spun yarn and sundries such as cost of fuel for melting lead, filling with water with lead up to 500m and testing to required pressure complete. (Reference to specifications. BIS No.3114/94/12288:1997)		
	DIAMETER OF PIPE/Fittings in mm :		To follow as per AP. Standard data
	80mm to 800mm		
	900	Each Joint	11448.00
	1000	Each Joint	12789.00

9. b.	Jointing C.I., D.I. pipes and fittings with rubber gasket (push-on-joint), excluding the cost of the gasket but including all sundries filling with water, with a water lead up to 500m and testing to required pressure, etc. complete (Reference to specifications IS 3114/1994/12888/1997)		
	DIAMETER OF PIPE/Fittings in mm :		To follow as per AP. Standard data
	80mm to 1000mm dia	Each Joint	
10	Jointing CI pipes, fittings and valves with flanged ends including cost of jointing materials such as bolts, rubber insertion, white lead including filling with water, with lead up to 500 meters and testing to required pressure complete. (Reference to specifications. BIS No.3114/1994.)		
	DIAMETER OF PIPE/Fittings/ valve in mm :		To follow as per AP. Standard data
	80mm to 750mm dia	Each Joint	
	800	Each Joint	4800.00
	900	Each Joint	5645.00
	1000	Each Joint	6501.00
11a	Lowering the RCC plain ended pipes carefully into the trench laying them true to alignment and gradient, jointing RCC pipes with cement joints including curing, the cost of jointing materials i.e., Cement Mortar (1:1.5), hemp yarn etc., and testing including filling with water with a water lead upto 500 metres excluding cost of rubber rings as per BIS No.783/85.		
	per every 25 mm dia.	Per Metre	14.30
11b	Lowering the RCC S/S pipes carefully into ready made the trenches laying them true to alignment and gradient, jointing with rubber rings and testing including filling with water with a water lead upto 500 meters <u>including cost of rubber rings</u> as per BIS No. 783/1985		
	per every 25 mm dia.	Per Metre	To follow as per AP. Standard data
	80mm to 600mm		
	700		241.00
	800		289.00
	900		347.00
	1000		415.00

12	Lowering and Jointing G.I. pipes and specials / fittings including excavation of trench of 0.5m width and 0.50 m depth in all soils except rock requiring blasting and refilling trenches after laying and jointing pipes and also including cost of jointing materials but excluding the cost of pipes. Reference to specifications. BIS No.783/85		
a	G.I. PIPES :		To follow as per AP.Standard data
	DIA in mm		
	15mm to 150mm	Per Metre	
b	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 including trench excavation and refilling.		
	DIA in mm		
	50	Per Metre	23.00
	40	Per Metre	23.00
	32	Per Metre	23.00
	25	Per Metre	21.00
	20	Per Metre	20.00
	NOTE :- (i) The above rates are applicable for the works in District only.		
	(ii) If the depth of excavation is more than 0.5 m separate rates to be worked out.		
13	Lowering and laying in ready made trench true to alignment and gradient, jointing, and testing of <u>Stone ware pipes</u> including cost of jointing material such as cement mortar (1:1) proportion and hemp yarn but excluding cost and conveyance of pipe. (Reference to specifications BIS No. 6530/72)		To follow as per AP. Standard data
	<u>DIA of Pipes in mm .</u>		
	100mm to 450mm	Per Metre	
14	Lowering, laying, jointing and testing to hydraulic test pressure including cost of water with minimum water lead of 500m for <u>UPVC pressure pipes</u> in ready made trenches true to alignment and gradient including all sundries but excluding cost & conveyance of pipes from source of supply and jointing materials as per BIS No. 7634 - Part III - 1975		To follow as per AP. Standard data
	DIA of Pipes in mm.		
	63mm to 315mm	Per Metre	
15	Laying and jointing of HDPE pipes by butt fusion welding as per IS: 7634 – part-II/1975 as amended from time to time to the alignment and gradient and testing the pipeline to the required pressure.		
	Outer Dia of pipes in MM		

	63	Per Metre	29.00
	75	Per Metre	32.00
	90	Per Metre	36.00
	110	Per Metre	41.00
	125	Per Metre	50.00
	140	Per Metre	53.00
	160	Per Metre	57.00
	180	Per Metre	63.00
	200	Per Metre	68.00
	225	Per Metre	75.00
	250	Per Metre	80.00
	280	Per Metre	88.00
	315	Per Metre	158.00
	355	Per Metre	176.00
	400	Per Metre	196.00
	450	Per Metre	218.00
16	Lowering, keeping in position and fixing C.I. sluice valves (with cap / with hand wheel & Reflex valves) excluding cost of bolts, nuts, rubber insertion, sluice valve and tail pieces		
	<u>Dia of Valve in mm.</u>		To follow
	80mm to 450mm	Each	as per AP. Standard data
17	Labour charges for fixing <u>Air valves</u> including boring the mains and threading the bore fixing nipple etc., complete.		
	<u>Dia of Air valve in mm.</u>		
	25	Each	To follow
	40	Each	as per AP. Standard data
	50	Each	124.00
	65	Each	132.00
	80	Each	144.00
	100	Each	169.00
	125	Each	264.00
	150	Each	289.00
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	117.00
	40	Each	133.00
	50(Double Air valves)	Each	141.00
	65	Each	151.00
	80	Each	165.00
	100	Each	193.00
	125	Each	301.00
	150	Each	329.00
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	145.00
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.		To follow as per AP. Standard data
	80mm to 600mm	Per Metre	
21	Uprooting of RCC pipes including breaking the collars, loosening the joint, seperating the pipes, hoisting and keeping within a lead of 10 m but excluding earthwork excavation and refilling.	Per Metre	To follow as per AP. Standard data
	100mm to 300mm		
22	Removing old G.I.pipes and specials / fittings and cleaning, scraping the pipes, hoisting and keeping with in 50m lead but excluding earth work excavation of trenches and refilling.		To follow as per AP. Standard data
	<u>Dia of Pipes in mm</u>		
	15mm to 50mm	Per Metre	
23	Cutting C.I./ DI Pipes without water in mains. Dia of pipes in mm.		
	<u>Dia of Pipes in mm</u>		
	80mm to 600mm	Each cut	To follow as per AP. Standard data
	680	Each cut	349.00

24	Cutting A.C. Pipes without water in mains. Dia of pipes in mm.		
	<u>Dia of Pipes in mm</u>		
	80	Each cut	23.00
	100	Each cut	23.00
	125	Each cut	23.00
	150	Each cut	23.00
	200	Each cut	24.00
	250	Each cut	39.00
	300	Each cut	39.00
	350	Each cut	48.00
	400	Each cut	53.00
	450	Each cut	66.00
	500	Each cut	74.00
	600	Each cut	81.00
25	Drilling and tapping CI/ DI / GI Main and fixing brass screw down ferrule and plug.		
	10 mm to 20mm	Each Tapping	To follow as per AP. Standard data
	25 mm to 40mm	Each Tapping	
26	Cutting road surface including stacking of excavated materials for pipe line trench work.		
	a) Cutting open B.T. road surface (as well as asphalt concrete upto 75 mm thick) including water bound macadam	10 Sqm	471.00
	b) Cutting open C.C. road surface	1 Cum	1309.00
	c) Cutting open water bound macadam road including soiling	1 Cum	161.00
27	Bailing out water.(For PH item)		
	a) Bailing out water from the pipe line trenches with oil engine driven pumpsets, including hire charges, fuel charges and wages for Driver and Helper.	HP/Hour	38.00
	b) Bailing out water from the pipe line trenches with Electric Driven pumpset including hire charges, current charges and wages for Driver and Helper.	HP/Hour	28.00
	NOTE:- The rate is payable on the total H.P. hours ignoring fractions less than 0.5 HP hour and rounding off 0.5 HP hour or more to the next higher integer.		
28	Shoring and strutting of trenches for water and sewer main.		

	a) Single Staging from (0 to 2.5 Mts.)	10 Sqm of Shoring area	To follow as per AP. Standard data
	b) Double staging from (2.5 m to 4.5 Mts.)	10 Sqm of Shoring area	
29	Barricading, hoarding, lighting and watching etc., for water supply and sewerage works for trenches.	10 RMT	To follow as per AP. Standard data
30	Excavation of trenches for infiltration galleries, syphon lines and connecting mains in all soils under water including all leads, lifts, shoring, strutting, bailing out water and removal of shoring and strutting materials, after completion of pipe line work.		
	a) 0 to 1 m deep under water.	10 Cum	8768.00
	b) 1 to 2 m deep under water.	10 Cum	12559.00
	c) 2 to 5 m deep under water.	10 Cum	18852.00
	d) Beyond 5 m deep under water for every additional 1 m depth over item 'c'	10 Cum	3602.00
	NOTE:- The above rates do not include rock requiring blasting or chiselling		
31	Laying and jointing perforated RCC pipes inclusive of bailing out water and jointing with cement fillets and all other incidental charges for infiltration gallery inclusive of bailing out water by pumping to keep the trench reasonably dry to facilitate the work excluding cost of perforated pipes and collars.		
	Per every 25 mm dia.	Per Metre	27.30
32	Centring and scaffolding charges for RCC members including all materials and labour charges for forming and dismantling.		
a)	for R C C Elevated Service Reservoir of staging up to 15 metre below L W L.		
	1) Slabs for thickness (150 mm to 300 mm)	One Sqm of Centering area	2343.00
	2) Slabs for thickness above (300 mm)		4684.00
	3) Side walls curved surfaces.		1770.00
	4) Side wall straight surfaces.		1575.00
	5) Dome.		1918.00
	6) Roof Slab.		1181.00
	7) Column braces and beams		790.00
	8) Circular braces, ring beams & circular column.		866.00

	Note:- For RCC ELSR of staging above 15 m, the % increase in these rates shall be as follows. 15-18 m ---- 9% 18-21m --- 15% 21-24 m --- 21% 24 m -27m --27% above27m --- 30%		
b)	For Ground level works :-		To follow as per AP. Standard data
	1) Slabs	1 Sqm	
	2) Beams & Lintels	1 Sqm	
	3) Sun shades	1 Sqm	
	4) RCC vertical walls of plane surface upto 3 m height such as ground level tanks clarifiers and sludge digesters etc.	One Sqm of Centering area	692.00
	5) RCC vertical walls of circular faces upto 3 m height.	One Sqm of Centering area	882.00
	NOTE: Scaffolding for every extra height of 1 m or part thereof but not less than 0.5 m. The above Centering charges are applicable for water retaining structures only.		
33	Lift or delift of materials :		
	a) Lifting of cement concrete for RCC elevated reservoir. For every 3 m height or part thereof over the initial lift of 5 m		106.00
	b) Delifting the materials such as stones, concrete etc., for concrete below ground level for construction of masonry ground level reservoirs, construction of masonry ground level reservoirs, inspection wells, test wells and sump wells etc., for every 2 m depth or part thereof beyond the initial depth of 4 meters from ground level.		32.00
34	Labour charges for fixing ventilating shafts complete with all accessories.		To follow as per AP. Standard data
35	Labour charges for fixing water closets including fixing of foot rests (for all sizes).		
36	Labour charges for fixing of flushing cistern including fixing of flush pipes, lead pipe, jointing etc., complete	Each	Relevant Building SSR items.
37	Labour charges for fixing wash hand basin including fixing of inlet and waste pipe connections etc., complete	Each	
38	Fixing urinal with inlet and waste pipe connections etc., complete.	Each	
39	Refilling the trench for pipe line with excavated earth including watering and tamping etc., complete	10 Cum	

40 a)	Extra allowance for isolated scattered works viz., valve pits / chambers, public fountains, meter pits and manholes, delivery cistern etc., complete.	Each	25% extra over the cost of chamber.
b)	Repairs to the existing mains, interconnections, replacement of valves/specials etc., including the cutting, jointing, bailing out of water, drying, earth work excavation etc., complete.		100% extra over the cost of work
41	Removal of wet silt and sludge from sullage drains with aid of baskets and vessels.	10 Cum	1261.00
42	Well sinking in sandy and other loose soils under water either by manual labour, divers, or dredgers, weighting the top of staining to assist sinking etc., including dewatering and other incidental charges such as hire charges for mechanical equipment etc		
	Upto 2 m below GL/m	Per metre	To adopt as per AP. Standard data
	From 2 to 4 m below GL/m	Per metre	
	From 4 to 6 m below GL/m	Per metre	
	From 6 to 8 m below GL/m	Per metre	
	From 8 to 10 m below GL/m	Per metre	
	Note:-Below 10 m for every metre depth or part thereof add Rs.250/- per m. For higher dia, observed data is to be prepared and got approved.		
43	Sinking in Hard strata other than rock but in soils like limestone, gravel, clay under water including, pumping dewatering, hire charges for mechanical equipment etc., complete.		Observed Data
44	Rates for OHSRs/ELSRs including fixtures with a staging of 15 m, without Seismic analysis.		
a	500 Kilo litres	Per litre	13.33
b	1000 Kilo litres	Per litre	12.09
c	1500 Kilo litres	Per litre	11.40
d	2000 Kilo litres	Per litre	10.92
e	2500 Kilo litres	Per litre	10.36
	NOTE: -1)For intermediate ranges proportional rates may be adopted.All VRCC shall be in M30 grade design mix.		
	2) The above rates are applicable for ELSRs/ OHSRs with Raft Foundation footings and a rate of Rs.5,100/- per tonne for cement and Rs.48,000/- per tonne for steel.		

	3) 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.		
	4) For stagings above 15 m, the rate shall be increased by Rs.0.05 paise per litre per every metre of additional staging.		
	5) The above rates shall be increased / decreased due to increase/decrease in the cost of cement by Basic rate x (Rc-5100) x 0.00007, Rc = Rate of cement (Rs per Mt) at this time of preparation of estimate.		
	6) The above rates shall be increased / decreased due to increase/decrease in the cost of Steel by Basic rate x (Rs-48,000) x 0.00002, Rs = Rate of steel (Rs per Mt) at this time of preparation of estimate.		
	7) Rate inclusive of three coats of epoxy paint to inner surface of the reservoir including roof dome.		
	8) 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.		
	9) The above rates are applicable for wind pressure upto 350 kg / sq m. For every 100 kg/sqm decrease in wind pressure, the rate is to be decreased by 5%		
	10) For tribal/Agency / Rural area, the above rates shall be increased by 10%		
	11) If the ELSR is to be designed for seismic forces a) The above rates are applied upto Zone-II earth quake. b) for Zone-III earth quake the above rates are to be increased by 33 1/3% .		
	12) <u>Fixtures include.</u>		
	a) A balcony of 1.00 m width at floor slab level/ middle ring beam level / top ring beam level with S.S Pipe hand railing upto 1.0mts height.		
	b) D.I. Manhole frame and cover of 0.60 x 0.6 m size 2 Nos.		
	c) D.I. Swan neck ventilators shall be provided in top dome and slab for Mosquito proof.		
	d) RCC Finial - 1 No.		
	e) RCC precast ladders 0.45 m wide - 2 Nos.		

	f) RCC dog legged stair case with 1.0 mts stair case flight width and 1.20mts landing width with S.S hand railing of 1.0mts height- 1 No.		
	g) Latest Water level indicator-Digital water level indicators of reputed make - 1 No		
	h) Lightening arrestor with all its accessories complete including earthing - 1 No.		
	i) Construction of R.C.C valve chambers		
	j) For 500KL to 1000KL two rows columns shall be provided.		
	k) Above 1000KL three rows columns shall be provided.		
	l) Minimum staging for all ELSR/OHSR shall be 12.0mts.		
	m) The increase in staging shall be at 1.0mt interval.		
	n) The railing provided to the gallery and staircase shall be with stainless steel of grade 304 for a height of 1.0mts		
	o). The staircase shall be enclosed with brick/CRS wall on three side and collapsible gate on front side upto 1st brace level from ground level to prevent unauthorized entry.		
	p). The above rates are exclusive of all inlet, out let, scour connection and valves. All valves near inlet, out let and for scour of ELSRs shall be D.I valves.		
45	Rates for OHSRs/ELSRs including fixtures with a staging of 10 m without Seismic analysis.		
a	Upto 10,000 Litres capacity	Per litre	57.46
b	15,000 Litres capacity	Per litre	39.51
c	20,000 Litres capacity	Per litre	38.82
d	40,000 Litres capacity	Per litre	34.37
e	60,000 Litres capacity	Per litre	26.07
f	1,00,000 Litres capacity	Per litre	24.08
g	2,00,000 Litres capacity	Per litre	21.08
h	3,00,000 Litres capacity	Per litre	19.77
i	4,00,000 Litres capacity	Per litre	17.44
j	4,50,000 Litres capacity	Per litre	15.11
	NOTE: -1) For intermediate ranges proportional rates may be adopted.All VRCC shall be in M30 grade design mix.		
	2) The above rates are applicable for Elevated Level Services Reservoirs / OHSRs with Raft Foundation and a rate of Rs.5,100/- per tonne for cement and Rs.48,000/- per tonne for steel.		

	3) For every metre of staging less than 10 m, the rate shall be reduced by Rs.0.02 paise per litre.		
	4) For every metre of staging above 10 m, the rate shall be increased by Rs.0.05 paise per litre.		
	5) The above rates shall be increased / decreased due to increase/decrease in the cost of cement by Basic rate x $(R_c - 5100) \times 0.00007$, R_c = Rate of cement (Rs per Mt) at the time of preparation of estimate.		
	6)The above rates shall be increased / decreased due to increase/decrease in the cost of Steel by Basic rate x $(R_s - 48,000) \times 0.00002$, R_s = Rate of steel (Rs per Mt) at this time of preparation of estimate.		
	7) Rate inclusive of three coats of epoxy paint to inner surface of the reservoir including roof dome.		
	8) 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.		
	9) The above rates applicable for wind pressures upto 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.		
	10) For Tribal/Agency/ Rural area, the above rates shall be increased by 10%		
	11) If the ELSR is to be designed for seismic forces cost shall be arrived by working out detailed quantities based on the design& difference to be paid extra.		
	12) If the ELSR is to be designed for seismic forces a) The above rates are applied upto Zone-II earth quake. b) for Zone-III earth quake the above rates are to be increased by 33 1/3% .		
	13) Fixtures include :		
	a) RCC or Aluminium ladder inside 0.45 m wide.		
	b) Spiral staircase on the outside shall be provided upto 200KL. Above 200KL capacity dog legged staircase shall be provided with staircase flight width of 1.0mts and landing width of 1.20mts with S.S hand railing upto 1.0 height.		

	c) Lightning arrestor, including conductor and earthing etc.		
	e) RCC finial ventilators with copper or stainless steel fly proof mesh.		
	f) D.I Manholes frame and cover 0.60x0.60 m as per IS specifications (light duty) - 2 Nos.		
	g) Water level indicator of good quality with ebonite/ copper float approved pattern - 1 No.		
	h) The ladder shall be with M.S ladder and Verticals with HDPE of 10kg/Sqcm shall be provided for single column OHSRs only.		
	i) Minimum staging for all ELSR/OHSR shall be 10.0mts.		
	j) The increase in staging shall be at 1.0mt interval.		
	k) The railing provided to the gallery and staircase shall be with stainless steel of grade 304 for a height of 1mts		
	l). The dog legged staircase shall be enclosed with brick/CRS wall on three sides and front side with M.S collapsible gate upto 1st brace level from ground level to prevent unauthorized entry.		
	m). D.I swan neck ventilators shall be provided in top dome and slab.		
	n).The above rates are exclusive of all inlet, out let connection and valves. All valves near inlet, out let and for scour of ELSRs shall be D.I valves.		
46	Construction of Rapid Gravity Filtration Plant including civil, mechanical and electrical fully automation including trial running etc., complete.		
	1) 2.0 Mld	Per litre	3.54
	2) 5.0 Mld	Per litre	3.25
	3) 10.0 Mld	Per litre	2.93
	4) 20.0 Mld	Per litre	2.62
	5) 30.00 mld and above	Per litre	2.30
	NOTE :-		
	a) For intermediate ranges proportional rates may be adopted		
	b) The above rates are applicable with cement @ rate of Rs.5,100/-MT and steel of 48,000/MT.		
	c) The above rates shall be increased / decreased due to increase/decrease in the cost of Cement by Basic rate xRc - 5,100) x 0.00007 Rc = Rate of cement (Rs per MT) at the time of preparation of estimate.		

	d) The above rates shall be increased / decreased due to increase/decrease in the cost of Steel by Basic rate x (RS - 48,000) x 0.00002 Rs = Rate of steel (Rs per MT) at the time of preparation of estimate.		
	e) For rural areas an extra allowance of 10% shall be given on basic rate.		
	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 and Aeration cascade		
	2). Ventury flume channel with measuring device		
	3) Flash Mixer chamber		
	4) .Clariflucculator / 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 has to be provided.		
	6). Wash water tank of suitable capacity		
	7) .All the doors and windows are of aluminium make		
	8) .All pipes and valves in filter beds are of D.I. make & connection from Flash mixer to Tube settler / Flocculation tank, sludge disposal pipes are of D.I. make. The size of sludge disposal pipe shall be minimum of 450 mm dia with C.I pipe.		
	9) The bottom level of the clear water control chamber must be above G.L so as to dispose the leakage water by gravity.		
	10) . Clariflucculator bridge including sludge srcapping arrangement shall be with stainless steel of Grade 304 for chemical resistance and durability		
	11) Railing for all the components shall be provided with Stainless steel of grade 304 for a height of 0.90mts.		
	12).Path ways in filter beds : Middle pathway: Minimum of 1.50mts, Side pathway: Minimum of 1.20mts.		
	13).Flooring in filter house shall be with 12mm thick Non-skid tiles.		
	14).Back wash water tank shall be constrected at a minimum height of 1.50mts above roof slab.		

	15).Filtration plant building ground floor level shall be minimum of 1.20mts above height from the neary by road crust level.		
	16). The minimum size of entrance hall shall be 12'x13' , Lab size shall be of 10'x15', Office room size shall be of 10'x15'.		
	17). The water from the treatment plant shall be tested for quantity and quality simultaneously.		
	18). Sufficient head room shall be provided at alum tank.		
	19). S.S railing of grade 304 shall be provided for staircase.		
	20). Testing of blowers as per I.S norms.		
	21).All cables shall be with copper, Cable drains shall be covered with chequered plate.		
	22).HDPE/MDPE pipes shall be provided for water drainage .		
	23).Alum storage capacity shall be for minimum period of 90 days.		
	24). Digital water flow meters, pressure gauges shall be provided of standard make		
	25).Chemical house and chlorine storage system shall be constructed out side of plant		
	26).Pneumatic tyre wheel shall be provided for the bridge clariflocculator.		
	27). Min LUX levels inside the treatment plant shall be maintained.		
	28). The length of sludge disposal drain shall be minimum of 30mts.		
	29).Yard lighting shall be provided as per norms.		
	30).Chlorimeter vaccum type: Metito/Toshocow-Jesco/ Industrial devices.		
B)	<u>Mechanical Equipment</u>		
	1)Alum dosing equipment		
	2)Flash mixer equipment.		
	3)Sludge disposal fittings by gravity		
	4)Filtration plant euqipment instrumentation and piping.		
	5)Clarifloccualation equipment (with stainless steel blades) with rotating bridge arrangeemnt etc.,		
	6)Wash water tank fittings and pumpsets with 100% stand by.		

	7) Air blower with motor 100% stand by and pipe connections.		
	8) Chlorination equipment and pipe connections with chlorinator of 100% standby, Vacuum feed Gas Chlorination has to be provided.		
	9) Spares & Tools for 2 years		
	10) Gaseous Chlorination with cylinders has to be provided with protection measures.		
C)	<u>Electrical Equipment</u>		
	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 investigations.		
D)	<u>Automation for flow measurements</u>		
	1) Automated Lab testing equipment of internationally reputed make and consumables for one year. For filtration plants of capacity 10 MLD and more automated online testing equipment shall be installed.		
	2) Automation for flow of Conductivity, Turbidity, Ph value, Residual Chlorine with recording & Storage facility (Computer based) & Alarm by SMS or other methods.		
	3) Off - Site Supervisory and Data Acquisition (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. SoRATES 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	SoR For 2012-13		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Metre	129		
	100 mm dia	Metre	149		
	150 mm dia	Metre	176		
	200 mm dia	Metre	209		
	225 mm dia	Metre	227		
	250 mm dia	Metre	243		
	300 mm dia	Metre	348	778	802
	350 mm dia	Metre	433	980	1000
	400 mm dia	Metre	499	1084	1107
	450 mm dia	Metre	612	1238	1250
	500 mm dia	Metre	673	1349	1545
	600 mm dia	Metre	995	2020	2395
	700 mm dia	Metre	1276	2512	3207
	800 mm dia	Metre	1570	3317	4194
	900 mm dia	Metre	1972	4166	5218
	1000 mm dia	Metre	2390	5170	7121
	1100 mm dia	Metre	2850	6098	8255
	1200 mm dia	Metre	3393	7181	9651
	1400 mm dia	Metre	4609	9291	13364
	1600 mm dia	Metre	5357	12054	16142
	1800 mm dia	Metre	7009	15973	21642

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

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

Cement. Rs.5,100/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.46,000/- per MT. (including all taxes and freight).

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

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

R1 = Variation (increase / decrease) in cost (Rs. per metre) due to change in the cost of M.S.

Roads = $(S2 - S1) / 1000 \times Ws$.

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

S1 = Rs. 46,000/- , S2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 5,100/- 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. SoRATES FOR R.C.C. COLLARS

Sl.No.	Description				
1	2				
1	MANUFACTURE, SUPPLY AND DELIVERY OF R.C.C. COLLARS CONFORMING TO B.I.S. 458/2003 (RATE PER EACH COLLAR) SUITABLE FOR R.C.C. PLAIN ENDED PIPES INCLUDING TRANSPORTATION BUT EXCLUDING TAXES & DUTIES				
	Size	Unit	SoR For 2012-13		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Each	38		
	100 mm dia	Each	40		
	150 mm dia	Each	42		
	200 mm dia	Each	55		
	225 mm dia	Each	59		
	250 mm dia	Each	65		
	300 mm dia	Each	86	124	124
	350 mm dia	Each	106	152	152
	400 mm dia	Each	116	173	173
	450 mm dia	Each	183	230	230
	500 mm dia	Each	209	274	274
	600 mm dia	Each	281	360	360
	700 mm dia	Each	366	486	486
	800 mm dia	Each	517	614	614
	900 mm dia	Each	618	716	716
	1000 mm dia	Each	722	897	897
	1100 mm dia	Each	885	1134	1134
	1200 mm dia	Each	1076	1420	1420
	1400 mm dia	Each	1388	1799	1799
	1600 mm dia	Each	1770	2308	2308
	1800 mm dia	Each	1854	2975	2975

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

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

Cement. Rs.5,100/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.46,000/- per MT. (including all taxes and freight).

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

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

R1 = Variation (increase / decrease) in cost (Rs. per each) due to change in the cost of M.S.

Roads = $(S2 - S1) / 1000 \times Ws$. R2 = Variation (increase / decrease) in cost (Rs. per each) due to change in the cost of Cement = $(C2 - C1) / 1000 \times Wc$.

S1 = Rs. 46,000/- , S2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 5,100/- , 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. SoRATES FOR R.C.C. S/S PIPES (Non Pressure)

Sl. No.	Description				
1	2				
1	MANUFACTURE, SUPPLY AND DELIVERY OF R.C.C. SOCKET AND SPIGOT PIPES CONFORMING TO B.I.S. 458/2003 AT EX-FACTORY (RATE PER METER OF EFFECTIVE LENGTH) EXCLUDING TRANSPORTATION, TAXES & DUTIES.				
	Size	Unit	SoR For 2012-13		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Metre	157		
	100 mm dia	Metre	178		
	150 mm dia	Metre	209		
	200 mm dia	Metre	254		
	225 mm dia	Metre	277		
	250 mm dia	Metre	297		
	300 mm dia	Metre	417	985	1050
	350 mm dia	Metre	534	1278	1300
	400 mm dia	Metre	592	1416	1441
	450 mm dia	Metre	736	1564	1576
	500 mm dia	Metre	847	1788	1941
	600 mm dia	Metre	1194	2506	2592
	700 mm dia	Metre	1549	3195	3370
	800 mm dia	Metre	1983	4226	4407
	900 mm dia	Metre	2499	5310	5530
	1000 mm dia	Metre	3027	6027	6629
	1100 mm dia	Metre	3569	7109	7658
	1200 mm dia	Metre	4054	8384	8961
	1400 mm dia	Metre	5742	11105	12699
	1600 mm dia	Metre	7100	14408	15355
	1800 mm dia	Metre	8027	19084	20588

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

Cement. Rs.5,100/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.46,000/- per MT. (including all taxes and freight).

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

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

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

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

S1 = Rs. 46,000/- , S2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 5,100/- , 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. SoRATES FOR R.C.C. S/S PIPES (Pressure)

Sl.No.	Description				
1	2				
1	MANUFACTURE, SUPPLY AND DELIVERY OF R.C.C. SOCKET AND SPIGOT PIPES CONFORMING TO B.I.S. 458/2003 EX-FACTORY (RATE PER METER OF EFFECTIVE LENGTH) EXCLUDING TRANSPORTATION, TAXES & DUTIES.				
	Size	Unit	SoR For 2012-13		
			P1 - Class	P2 - Class	P3 - Class
	80 mm dia	Metre	205	230	261
	100 mm dia	Metre	231	276	319
	150 mm dia	Metre	319	412	507
	200 mm dia	Metre	370	531	701
	225 mm dia	Metre	417	605	783
	250 mm dia	Metre	458	649	827
	300 mm dia	Metre	619	937	1172
	350 mm dia	Metre	770	1297	1685
	400 mm dia	Metre	914	1713	2218
	450 mm dia	Metre	986	2030	2743
	500 mm dia	Metre	1299	2221	3131
	600 mm dia	Metre	1779	3307	4368
	700 mm dia	Metre	2363	4376	5573
	800 mm dia	Metre	2962	5242	6771
	900 mm dia	Metre	3581	6196	
	1000 mm dia	Metre	4494	7145	
	1100 mm dia	Metre	5386		
	1200 mm dia	Metre	6340		

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

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

Cement. Rs.5,100/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.46,000/- 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. 46,000/-

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

C1 = Rs. 5,100/-, 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. SoRATES FOR RUBBER RINGS TO SUIT R.C.C. S/S PIPES

Sl. No.	Description				
1	2				
1	MANUFACTURE, SUPPLY AND DELIVERY OF RUBBER RINGS TO SUIT R.C.C. SOCKET AND SPIGOT PIPES CONFORMING TO B.I.S. 5382/ 1985 (RATE PER EACH RUBBER RING) INCLUDING TRANSPORTATION BUT EXCLUDING TAXES & DUTIES.				
	Size	Unit	SoR For 2012-13		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Each	22		
	100 mm dia	Each	26		
	150 mm dia	Each	47		
	200 mm dia	Each	55		
	225 mm dia	Each	61		
	250 mm dia	Each	68		
	300 mm dia	Each	84	107	107
	350 mm dia	Each	96	128	128
	400 mm dia	Each	106	145	145
	450 mm dia	Each	121	165	165
	500 mm dia	Each	158	189	189
	600 mm dia	Each	207	275	275
	700 mm dia	Each	282	329	329
	800 mm dia	Each	358	399	399
	900 mm dia	Each	448	540	540
	1000 mm dia	Each	524	651	651
	1100 mm dia	Each	630	834	834
	1200 mm dia	Each	1008	1048	1048
	1400 mm dia	Each	1109	1153	1153
	1600 mm dia	Each	1381	1407	1407
	1800 mm dia	Each	1720	1797	1797
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	22	22	22
	100 mm dia	Each	26	28	28
	150 mm dia	Each	47	47	47
	200 mm dia	Each	55	55	55
	225 mm dia	Each	61	62	64
	250 mm dia	Each	68	70	72
	300 mm dia	Each	84	88	92
	350 mm dia	Each	96	111	121
	400 mm dia	Each	106	145	149

	Size		P1 - Class	P2 - Class	P3 – Class
	450 mm dia	Each	121	167	171
	500 mm dia	Each	158	189	197
	600 mm dia	Each	207	234	238
	700 mm dia	Each	282	309	329
	800 mm dia	Each	358	395	395
	900 mm dia	Each	448	499	
	1000 mm dia	Each	524	603	
	1100 mm dia	Each	630		
	1200 mm dia	Each	1008		

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

6. SoRATES FOR CONVEYANCE OF R.C.C. PLAIN ENDED PIPES

Sl.No.	Description	Rate upto 5 Kms Lead including Loading, unloading and stacking	Rate for every additional 1 KM lead or part thereof.	Rate upto 5 Kms Lead including Loading, unloading and stacking	Rate for every additional 1 KM lead or part thereof.
1	2	3	4	5	6
1	CONVEYANCE OF R.C.C. PLAIN ENDED PIPES ON ALL WEATHER ROADS INCLUDING LOADING, UNLOADING AND STACKING (per Metre) SoR For 2012-13				
		NP - 2 Class		NP - 3 Class & NP - 4 Class	
	80 mm dia	2.64	0.11		
	100 mm dia	3.19	0.11		
	150 mm dia	4.73	0.22		
	200 mm dia	6.16	0.22		
	225 mm dia	7.15	0.33		
	250 mm dia	8.25	0.33		
	300 mm dia	12.21	0.44	32.23	0.88
	350 mm dia	15.95	0.99	34.76	0.99
	400 mm dia	18.48	1.10	41.03	1.32
	450 mm dia	23.43	1.32	44.99	1.54
	500 mm dia	25.52	1.54	49.28	1.54
	600 mm dia	36.96	2.42	73.7	3.41
	700 mm dia	47.08	3.41	81.95	3.96
	800 mm dia	55.44	3.41	98.23	3.96
	900 mm dia	63.58	3.41	129.03	7.48
	1000 mm dia	94.27	7.04	155.76	7.48
	1100 mm dia	103.51	7.04	167.86	8.14
	1200 mm dia	116.82	7.48	188.43	8.14
	1400 mm dia	141.35	7.48	256.08	8.47
	1600 mm dia	163.79	7.48	307.23	8.47
	1800 mm dia	188.43	7.48	409.64	11.88

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

Sl.No.	Description	Rate upto 5 Kms Lead including Loading, unloading & stacking	Rate for every additional 1 KM lead or part thereof.	Rate upto 5 Kms Lead including Loading, unloading and stacking	Rate for every additional 1 KM lead or part thereof.
1	2	3	4	5	6
1	CONVEYANCE OF R.C.C. SOCKET AND SPIGOT PIPES ON ALL WEATHER ROADS INCLUDING LOADING, UNLOADING AND STACKING (per Metre of effective length) SoR For 2012-13				
	Size	NP - 2 & P1 Class		NP – 3 & NP - 4 Class	
	80 mm dia	3.40	0.10		
	100 mm dia	3.90	0.20		
	150 mm dia	5.50	0.20		
	200 mm dia	7.00	0.40		
	225 mm dia	8.40	0.40		
	250 mm dia	9.40	0.90		
	300 mm dia	14.10	1.00	38.50	1.20
	350 mm dia	17.40	1.10	41.00	1.40
	400 mm dia	17.60	1.30	51.00	2.60
	450 mm dia	24.20	1.40	56.30	2.60
	500 mm dia	27.10	1.50	61.50	2.80
	600 mm dia	35.90	2.60	83.90	4.00
	700 mm dia	43.60	2.80	112.60	7.90
	800 mm dia	60.40	4.30	133.10	7.90
	900 mm dia	90.20	7.70	153.60	7.90
	1000 mm dia	102.50	7.70	161.90	7.90
	1100 mm dia	115.70	7.90	174.00	7.90
	1200 mm dia	129.00	7.90	194.60	8.10
	1400 mm dia	159.70	7.90	260.00	8.10
	1600 mm dia	190.40	8.10	307.20	8.70
	1800 mm dia	235.50	8.10	409.60	11.90
		P2 - Class		P3 – Class	
	80 mm dia	3.40	0.10	3.40	0.10
	100 mm dia	3.90	0.20	3.90	0.20
	150 mm dia	5.50	0.20	5.50	0.20
	200 mm dia	7.60	0.40	10.30	0.90
	225 mm dia	10.30	0.90	11.60	1.00
	250 mm dia	10.80	1.00	13.50	1.10
	300 mm dia	20.50	1.20	23.40	1.30
	350 mm dia	25.70	1.40	32.80	1.50
	400 mm dia	30.70	1.50	44.00	2.60
	450 mm dia	38.80	2.50	54.20	2.60
	500 mm dia	44.00	2.60	66.60	3.90
	600 mm dia	58.40	2.60	95.30	5.00
	700 mm dia	86.00	5.30	140.30	7.90
	800 mm dia	114.70	7.50	178.20	7.90

	900 mm dia	139.90	7.90		
	1000 mm dia	172.00	8.10		

8. SoRATES FOR A.C. PIPES

Sl.No	Description					
1	MANUFACTURE AS PER BIS NO: 1592/2003AS AMENDED FROM TIME TO TIME (MAZZA PROCESS) AND SUPPLY OF AC PRESSURE PIPES DULY MARKED WITH BIS MARK, INCLUDING COST OF MATERIAL, INCIDENTAL HANDLING, LOADING AND PACKING CHARGES BUT ARE EXCLUSIVE OF TRANSPORTATION, UNLOADING, STACKING AT DEPARTMENTAL STORES, EXCISE DUTY, VAT OCTROI AND OTHER GOVT. LEVIES.					
	Size	Unit	SoR For 2012-13			
				Class - 15	Class - 20	Class - 25
	80 mm dia	Rate/Metre		162	177	221
	100 mm dia	Rate/Metre		213	272	334
	125 mm dia	Rate/Metre		279	348	436
	150 mm dia	Rate/Metre		393	489	615
	200 mm dia	Rate/Metre		651	833	1057
	250 mm dia	Rate/Metre		824	1069	1339
	300 mm dia	Rate/Metre		1154	1503	1920
	350 mm dia	Rate/Metre		1409	1830	2307
	400 mm dia	Rate/Metre		1831	2393	2970
	450 mm dia	Rate/Metre		2171	2880	3607
	500 mm dia	Rate/Metre		2681	3524	4424
	600 mm dia	Rate/Metre		3812	4977	6343
	700 mm dia	Rate/Metre		5045	6844	8850
	750 mm dia	Rate/Metre		5750	7901	10126
	800 mm dia	Rate/Metre		6578	8951	11487
	850 mm dia	Rate/Metre		7379	10069	12936
	900 mm dia	Rate/Metre		8227	11250	14469
	1000 mm dia	Rate/Metre		10156	13811	17793
2	Lowering, laying and Jointing of AC Pressure pipes with AC Couplings or CID Joints complete with Rubber Rings in readymade trenches true to alignment and gradient including filling with water lead upto 500 mts and testing to required pressure including all sundries but excluding cost of jointing materials and conveyance from source of supply as per BIS No. 6530/72					
	80 mm dia	Rate/Metre		29.00	29.00	29.00
	100 mm dia	Rate/Metre		43.00	43.00	43.00
	125 mm dia	Rate/Metre		47.00	47.00	47.00
	150 mm dia	Rate/Metre		56.00	56.00	56.00
	200 mm dia	Rate/Metre		74.00	74.00	74.00
	250 mm dia	Rate/Metre		88.00	88.00	88.00
	300 mm dia	Rate/Metre		109.00	109.00	109.00
	350 mm dia	Rate/Metre		185.00	185.00	185.00
	400 mm dia	Rate/Metre		277.00	277.00	277.00
	450 mm dia	Rate/Metre		338.00	338.00	338.00
	500 mm dia	Rate/Metre		430.00	430.00	430.00
	600 mm dia	Rate/Metre		462.00	462.00	462.00
	700 mm dia	Rate/Metre		515.00	515.00	515.00
	750 mm dia	Rate/Metre		574.00	574.00	574.00
	800 mm dia	Rate/Metre		604.00	604.00	604.00

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	850 mm dia	Rate/Metre		644.00	644.00	644.00
	900 mm dia	Rate/Metre		703.00	703.00	703.00
	1000 mm dia	Rate/Metre		723.00	723.00	723.00
	<p>1. The above rates of AC Pipes are based on the Cement cost of RS 5,100/- per MT (Including all taxes and freight).</p> <p>2. The above rates of AC pipes are based on the Fiber cost of Rs 64,156/- 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 Kg's/Rmt</p> <p>IC = Increase/Decrease in cost of cement/Kg</p> <p>For any increase/decrease in the rate of fiber, the price of AC pipe per Rmt shall be increased/Decreased as under :</p> <p>$W \times 0.15 \times IF$ Where : W = Weight of pipe in Kg's/Rmt</p> <p>IF = Increase /Decrease in cost of fiber/Kg</p>					
Note:	<p>1) The Fiber rates are to be obtained from A.C. Pipe manufacturer of “Mazza” process.</p> <p>2) The cement rate shall be communicated by the sub-committee of Board of Chief engineers.</p> <p>3)The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate</p>					
2	Transportation of AC pressure pipes at site of work anywhere in Andhra Pradesh on motor able roads for full truck loads including transit insurance, unloading, and stacking at site of work etc. Complete (AC Couplings and Rubber rings are to be supplied free of transportation charges).					10% on the basic cost of corresponding AC Pressure pipes.

9. SoRATES FOR A.C. COUPLINGS

Sl. No.	Description					
1	2					
1	MANUFACTURE AS PER MANUFACTURERS SPECIFICATION (MAZZA PROCESS) AND SUPPLY OF A.C. COUPLINGS EXCLUDING COST OF RUBBER RINGS TO SUIT AC PRESSURE PIPES INCLUDING COST OF MATERIAL, INCIDENTAL HANDLING, PACKING,TRANSPORTATION AND UNLOADING AT SITE TRANSIT RISK BUT EXCLUDING EXCISE DUTY, VAT AND OTHER GOVT. LEVIES.					
	Size	Unit	SoR For 2012-13			
				Class - 15	Class - 20	Class – 25
	80 mm dia	Rate/Each		79	84	97
	100 mm dia	Rate/Each		102	109	131
	125 mm dia	Rate/Each		128	140	169
	150 mm dia	Rate/Each		148	185	230
	200 mm dia	Rate/Each		272	297	379
	250 mm dia	Rate/Each		318	401	512
	300 mm dia	Rate/Each		415	538	693
	350 mm dia	Rate/Each		539	696	889
	400 mm dia	Rate/Each		830	1084	1389
	450 mm dia	Rate/Each		995	1311	1683
	500 mm dia	Rate/Each		1185	1584	2024
	600 mm dia	Rate/Each		1452	1821	2329
	700 mm dia	Rate/Each		1920	2585	3361
	750 mm dia	Rate/Each		2166	2961	3821
	800 mm dia	Rate/Each		2457	3332	4312
	850 mm dia	Rate/Each		2737	3727	4832
	900 mm dia	Rate/Each		3029	4142	5379
	1000 mm dia	Rate/Each		3696	5038	6565

1. The above rates of AC Coupling are based on the Cement cost of RS 5,100/- per MT (Including all taxes and freight).

2. The above rates of AC Coupling are based on the Fiber cost of Rs 64,156/- 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. SoRATES FOR RUBBER RINGS TO SUIT A.C. COUPLINGS

Sl. No.	Description					
1	2					
1	SCHEDULE OF RATE FOR SUPPLY OF RUBBER RINGS MANUFACTURED AS PER BIS: 5382/1988 WITH BIS MARK EMBOSSED PER EACH SET SUITABLE FOR A.C. COUPLINGS INCLUDING COST OF MATERIAL, INCIDENTAL, HANDLING, PACKING, TRANSPORTATION AND UNLOADING AT SITE TRANSIT RISK ETC., BUT EXCLUDING VAT.					
	Size	Unit	SoR For 2012-13			
				Class - 15	Class - 20	Class - 25
	80 mm dia	Each Set		56	56	56
	100 mm dia	Each Set		68	68	68
	125 mm dia	Each Set		89	89	89
	150 mm dia	Each Set		113	113	113
	200 mm dia	Each Set		117	117	117
	250 mm dia	Each Set		135	135	135
	300 mm dia	Each Set		135	135	135
	350 mm dia	Each Set		154	154	154
	400 mm dia	Each Set		188	188	188
	450 mm dia	Each Set		221	221	221
	500 mm dia	Each Set		255	255	255
	600 mm dia	Each Set		289	289	289
	700 mm dia	Each Set		601	601	601
	750 mm dia	Each Set		624	624	624
	800 mm dia	Each Set		670	670	670
	850 mm dia	Each Set		747	747	747
	900 mm dia	Each Set		785	785	785
	1000 mm dia	Each Set		870	870	870

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

11. SoRATES FOR PRE-STRESSED (NON-CYLINDER) CONCRETE PIPES FOR THE YEAR 2012-13

Sl.No.	Description							
1	2							
1	MANUFACTURE, SUPPLY, DELIVERY OF PRE-STRESSED (NON-CYLINDER) CONCRETE PIPES CONFORMING TO IS 784/2001 Ex-factory excluding transportation, taxes & duties.							
	Size	Unit	SoR For 2012-13.					
			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	2448	2457	2469	2483	2534	2623
	400 MM DIA	Metre	2630	2650	2682	2717	2769	2812
	450 MM DIA	Metre	2795	2808	2842	2900	2975	3040
	500 MM DIA	Metre	3025	3039	3065	3134	3200	3296
	600 MM DIA	Metre	3476	3503	3541	3654	3773	3891
	700 MM DIA	Metre	4272	4292	4362	4468	4629	4764
	800 MM DIA	Metre	5043	5096	5230	5359	5575	5777
	900 MM DIA	Metre	5849	5896	6033	6289	6538	6987
	1000 MM DIA	Metre	6868	6930	7131	7419	7773	8188
	1100 MM DIA	Metre	7801	7917	8143	8592	8975	9404
	1200 MM DIA	Metre	8650	8801	9263	9695	10285	11088
	1300 MM DIA	Metre	9809	10365	10932	11509	12498	13642
	1400 MM DIA	Metre	11204	11847	12520	13594	14637	15428
	1500 MM DIA	Metre	13065	13825	14584	15819	16956	17854
	1600 MM DIA	Metre	14711	15577	16444	18629	19199	20215
	1700 MM DIA	Metre	15486	16120	16978	19104	21164	22255
	1800 MM DIA	Metre	16717	17800	18802	20680	22905	24103
	1900 MM DIA	Metre	17861	18861	20560	21758	23677	26473
	2000 MM DIA	Metre	19638	20883	22011	24203	27582	29699
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.							

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	350 MM DIA	Metre	160	160	160	160	160	160
	400 MM DIA	Metre	173	173	173	173	173	173
	450 MM DIA	Metre	200	200	200	200	200	200
	500 MM DIA	Metre	213	213	213	213	213	213
	600 MM DIA	Metre	261	261	261	261	261	261
	700 MM DIA	Metre	306	306	306	306	306	306
	800 MM DIA	Metre	347	347	347	347	347	347
	900 MM DIA	Metre	380	380	380	380	380	380
	1000 MM IA	Metre	439	439	439	439	439	439
	1100 MM IA	Metre	493	493	493	493	493	493
	1200 MMDIA	Metre	546	546	546	546	546	546
	1300 MM DIA	Metre	619	619	619	619	619	619
	1400 MM DIA	Metre	700	700	700	700	700	700
	1500 MM DIA	Metre	759	759	759	759	759	759
	1600 MM DIA	Metre	851	851	851	851	851	851
	1700 MM DIA	Metre	926	926	926	926	926	926
	1800 MM DIA	Metre	980	980	980	980	980	980
	1900 MM DIA	Metre	1035	1035	1035	1035	1035	1035
	2000 MM DIA	Metre	1089	1089	1089	1089	1089	1089
3	CONVEYANCE OF PRE-STRESSED (NON-CYLINDER) CONCRETE PIPEES 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	1.10	1.10	1.10	1.10	1.10	1.10
	400 MM DIA	PerKM/M	1.10	1.10	1.10	1.10	1.10	1.10
	450 MM DIA	PerKM/M	1.30	1.30	1.30	1.30	1.30	1.30
	500 MM DIA	PerKM/M	1.40	1.40	1.40	1.40	1.40	1.40
	600 MM DIA	PerKM/M	1.60	1.60	1.60	1.60	1.60	1.60
	700 MM DIA	PerKM/M	2.60	2.60	2.60	2.60	2.60	2.60

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	800 MM DIA	PerKM/M	2.60	2.60	2.60	2.60	2.60	2.60
	900 MM DIA	PerKM/M	2.60	2.60	2.60	2.60	2.60	2.60
	1000 MM DIA	PerKM/M	4.10	4.10	4.10	4.10	4.10	4.10
	1100 MM DIA	PerKM/M	4.10	4.10	4.10	4.10	4.10	4.10
	1200 MM DIA	PerKM/M	7.90	7.90	7.90	7.90	7.90	7.90
	1300 MM DIA	PerKM/M	8.00	8.00	8.00	8.00	8.00	8.00
	1400 MM DIA	PerKM/M	8.00	8.00	8.00	8.00	8.00	8.00
	1500 MM DIA	PerKM/M	8.00	8.00	8.00	8.00	8.00	8.00
	1600 MM DIA	PerKM/M	9.00	9.00	9.00	9.00	9.00	9.00
	1700 MM DIA	PerKM/M	9.00	9.00	9.00	9.00	9.00	9.00
	1800 MM DIA	PerKM/M	9.20	9.20	9.20	9.20	9.20	9.20
	1900 MM DIA	PerKM/M	9.60	9.60	9.60	9.60	9.60	9.60
	2000 MM DIA	PerKM/M	9.60	9.60	9.60	9.60	9.60	9.60
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	10,594	10,594	10,594	10,594	10,594	10,594
	400 MM DIA	Per Pair	12,151	12,151	12,151	12,151	12,151	12,151
	450 MM DIA	Per Pair	13,709	13,709	13,709	13,709	13,709	13,709
	500 MM DIA	Per Pair	15,267	15,267	15,267	15,267	15,267	15,267
	600 MM DIA	Per Pair	18,321	18,321	18,321	18,321	18,321	18,321
	700 MM DIA	Per Pair	21,436	21,436	21,436	21,436	21,436	21,436
	800 MM DIA	Per Pair	24,552	24,552	24,552	24,552	24,552	24,552
	900 MM DIA	Per Pair	27,668	27,668	27,668	27,668	27,668	27,668

	1000 MM DIA	Per Pair	30,534	30,534	30,534	30,534	30,534	30,534
	1100 MM DIA	Per Pair	33,650	33,650	33,650	33,650	33,650	33,650
	1200 MM DIA	Per Pair	36,766	36,766	36,766	36,766	36,766	36,766
	1300 MM DIA	Per Pair	39,632	39,632	39,632	39,632	39,632	39,632
	1400 MM DIA	Per Pair	46,736	46,736	46,736	46,736	46,736	46,736
	1500 MM DIA	Per Pair	54,837	54,837	54,837	54,837	54,837	54,837
	1600 MM DIA	Per Pair	61,069	61,069	61,069	61,069	61,069	61,069
	1700 MM DIA	Per Pair	68,524	68,524	68,524	68,524	68,524	68,524
	1800 MM DIA	Per Pair	78,313	78,313	78,313	78,313	78,313	78,313
	1900 MM DIA	Per Pair	90,549	90,549	90,549	90,549	90,549	90,549
	2000 MM DIA	Per Pair	108,904	108,904	108,904	108,904	108,904	108,904
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	679		90 mm DIA x 20 mm thick	Each Flange	6,863	
	100 mm DIA x 15 mm thick	Each Flange	926		600 mm DIA x 20 mm thick	Each Flange	8,639	
	125 mm DIA x 15 mm thick	Each Flange	1,111		700 mm DIA x 25 mm thick	Each Flange	12,219	
	150 mm DIA x 15 mm thick	Each Flange	1,481		750 mm DIA x 25 mm thick	Each Flange	13,453	
	200 mm DIA x 15 mm thick	Each Flange	1,851		800 mm DIA x 25 mm thick	Each Flange	15,057	
	250 mm DIA x 15 mm thick	Each Flange	2,407		900 mm DIA x 25 mm thick	Each Flange	17,279	
	300 mm DIA x 15 mm thick	Each Flange	2,727		1000 mm DIA x 25 mm thick	Each Flange	20,364	
	350 mm DIA x 18 mm thick	Each Flange	3,974		1050 mm DIA x 25 mm thick	Each Flange	21,574	
	400 mm DIA x 18 mm thick	Each Flange	4,961		1100 mm DIA x 25 mm thick	Each Flange	23,326	

	450 mm DIA x 18 mm thick	Each Flange	5,764	1200 mm DIA x 32 mm thick	Each Flange	30,978
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Note: a) The above rate of PSC pipes are based on the HT wire cost of Rs.58,750/-MT (Basic+ CED+ST & freight).

and cement price of Rs.5,100/- 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 = $(H2-H1)/1000 \times Wh$.

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

H1 = Rs. 58,750/- H2 = Cost of HT Wire (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 5,100/- 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.46,000/- 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. SoRATES FOR PRE-STRESSED (CYLINDER) CONCRETE PIPES FOR THE YEAR 2012-13

Sl No.	Description										
1	2										
1	PRE-STRESSED (CYLINDER TYPE) CONCRETE PIPES CONFORMING TO IS 784/2001 @ Ex-factory Cost of pipes, excluding transportation, laying, jointing, testing, Bends, Tees, Specials, taxes & duties Etc.										
	Size	Unit	SoR For 2012-13								
			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	4537	4537	4537	4537	4560	4609	4691	4770	4830
	450 MM DIA	Meter	4931	4931	4931	4954	5013	5085	5188	5260	5343
	500 MM DIA	Meter	5391	5391	5403	5479	5546	5637	5721	5849	5943
	600 MM DIA	Meter	6407	6454	6540	6655	6760	6866	7029	7180	7333
	700 MM DIA	Meter	7405	7522	7663	7814	7956	8095	8269	8491	8657
	800 MM DIA	Meter	8697	8861	9058	9256	9435	9620	9843	10081	10353
	900 MM DIA	Meter	10300	10510	10754	11000	11246	11468	11766	12061	12355
	1000 MM DIA	Meter	11944	12223	12518	12822	13124	13375	13724	14084	14454
	1100 MM DIA	Meter	13282	13616	13969	14287	14625	14931	15313	15718	16603
	1200 MM DIA	Meter	15060	15450	15845	16238	16642	17002	17450	18336	18969
	1300 MM DIA	Meter	16760	17211	17670	18129	18600	19015	20074	20638	21348
	1400 MM DIA	Meter	18389	18902	19437	19974	20510	21568	22225	22896	24385
	1500 MM DIA	Meter	20150	20722	21295	21858	23043	23693	24678	26139	27863
	1600 MM DIA	Meter	22730	23368	24018	25230	25968	26706	28545	29360	30153
	1700 MM DIA	Meter	24476	25213	25995	27384	28221	29784	31194	32077	32914
	1800 MM DIA	Meter	26829	27603	29117	30057	30974	32697	34200	35261	36322
	1900 MM DIA	Meter	31378	32261	33951	34950	36735	38157	39543	40721	41834
	2000 MM DIA	Meter	33475	35149	36284	37451	39489	40722	42628	43983	45184
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 etc.										
	400 MM DIA	Meter	337	337	337	337	337	337	337	337	337
	450 MM DIA	Meter	396	396	396	396	396	396	396	396	396
	500 MM DIA	Meter	432	432	432	432	432	432	432	432	432
	600 MM DIA	Meter	505	505	505	505	505	505	505	505	505
	700 MM DIA	Meter	576	576	576	576	576	576	576	576	576
	800 MM DIA	Meter	661	661	661	661	661	661	661	661	661
	900 MM DIA	Meter	745	745	745	745	745	745	745	745	745
	1000 MM DIA	Meter	816	816	816	816	816	816	816	816	816
	1100 MM DIA	Meter	925	925	925	925	925	925	925	925	925
	1200 MM DIA	Meter	1010	1010	1010	1010	1010	1010	1010	1010	1010
	1300 MM DIA	Meter	1081	1081	1081	1081	1081	1081	1081	1081	1081
	1400 MM DIA	Meter	1190	1190	1190	1190	1190	1190	1190	1190	1190
	1500 MM DIA	Meter	1321	1321	1321	1321	1321	1321	1321	1321	1321
	1600 MM DIA	Meter	1430	1430	1430	1430	1430	1430	1430	1430	1430
	1700 MM DIA	Meter	1610	1610	1610	1610	1610	1610	1610	1610	1610
	1800 MM DIA	Meter	1706	1706	1706	1706	1706	1706	1706	1706	1706
	1900 MM DIA	Meter	1862	1862	1862	1862	1862	1862	1862	1862	1862
	2000 MM DIA	Meter	1982	1982	1982	1982	1982	1982	1982	1982	1982
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	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
	600 MM DIA	Per KM/M	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	700 MM DIA	Per KM/M	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
	800 MM DIA	Per KM/M	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
	900 MM DIA	Per KM/M	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40

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	1000 MM DIA	Per KM/M	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	1100 MM DIA	Per KM/M	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	1200 MM DIA	Per KM/M	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
	1300 MM DIA	Per KM/M	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
	1400 MM DIA	Per KM/M	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
	1500 MM DIA	Per KM/M	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
	1600 MM DIA	Per KM/M	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
	1700 MM DIA	Per KM/M	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	1800 MM DIA	Per KM/M	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	1900 MM DIA	Per KM/M	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	2000 MM DIA	Per KM/M	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50

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

HT Wire: - Rs.58,750/- (including all taxes & freight)

HR Coil (Hot Rolled): - Rs.45,500/- (including all taxes & freight)

Cement Cost Rs. 5,100/- 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. 58,750/- H2 = Cost of HT Wire (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

R1 = Rs. 45,500/- R2 = Cost of HR Coil (Rs. Per MT including all taxes and freight) at the time of preparation of estimate .

C1 = Rs. 5,100/- 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. SoRATES FOR BAR WRAPPED STEEL CYLINDRICAL (BWSC) PIPES FOR THE YEAR 2012-13

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	2648	2648	2648	2648	2648	2648	2652	2693	2727	2869
	300 MM DIA	Meter	2981	2981	2981	2981	2981	3030	3119	3241	3311	3482
	350 MM DIA	Meter	3610	3610	3610	3633	3680	3731	3836	3980	4106	4287
	400 MM DIA	Meter	3962	3962	3989	4062	4120	4323	4503	4688	4844	5460
	450 MM DIA	Meter	4374	4391	4477	4548	4786	4995	5226	5433	5665	6140
	500 MM DIA	Meter	4889	4970	5067	5329	5596	5868	6171	6434	6840	7267
	600 MM DIA	Meter	6446	6566	6697	7109	7518	7858	8279	8679	9236	9702
	700 MM DIA	Meter	7780	8041	8618	9180	9713	10279	11005	11469	12042	12802
	800 MM DIA	Meter	8851	9661	10379	11030	11724	12646	13439	14439	15130	16070
	900 MM DIA	Meter	10953	11509	12432	13347	14158	14918	16430	17596	18454	19679
	1000 MM DIA	Meter	12379	13676	14765	15754	16847	18312	20047	21466	22656	24243
	1100 MM DIA	Meter	17739	18082	18369	20233	22314	23759	26337	27723	29550	32099
	1200 MM DIA	Meter	19628	20294	21159	23381	25763	27798	30185	31410	35071	38538
2	Cost of laying jointing, testing to Hydrostatic field test pressure including cost of site welding and fixing of Polypropylene Diaher cloth, cost of transportation of water and emptying pipe line after completion of field testing.											
	250 MM DIA	Meter	230	230	230	230	230	230	230	230	230	230
	300 MM DIA	Meter	270	270	270	270	270	270	270	270	270	270
	350 MM DIA	Meter	320	320	320	320	320	320	320	320	320	320
	400 MM DIA	Meter	358	358	358	358	358	358	358	358	358	358
	450 MM DIA	Meter	358	358	358	358	358	358	358	358	358	358
	500 MM DIA	Meter	448	448	448	448	448	448	448	448	448	448

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	600 MM DIA	Meter	550	550	550	550	550	550	550	550	550	550
	700 MM DIA	Meter	641	641	641	641	641	641	641	641	641	641
	800 MM DIA	Meter	730	730	730	730	730	730	730	730	730	730
	900 MM DIA	Meter	858	858	858	858	858	858	858	858	858	858
	1000 MM DIA	Meter	948	948	948	948	948	948	948	948	948	948
	1100 MM DIA	Meter	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114
	1200 MM DIA	Meter	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247
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	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	300 MM DIA	Per KM/M	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	350 MM DIA	Per KM/M	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
	400 MM DIA	Per KM/M	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
	450 MM DIA	Per KM/M	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
	500 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
	600 MM DIA	Per KM/M	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
	700 MM DIA	Per KM/M	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
	800 MM DIA	Per KM/M	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
	900 MM DIA	Per KM/M	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
	1000 MM DIA	Per KM/M	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
	1100 MM DIA	Per KM/M	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30
	1200 MM DIA	Per KM/M	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80

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

HR Plates - Rs.45,500/- per MT (Basic+CED+ST & freight)

Wire rods - Rs.48,000/- per MT (Basic+CED+ST & freight)

Cement Cost Rs. 5,100/-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. 45,500/- H2 = Cost of HR Plate (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

W1 = Rs. 48,000/- W2 = Cost of Wire rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 5,100/- 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. SoRATES FOR M.S.SPIRAL PIPES (2012-13)

Sl.No.	Description	Unit	Thicknes s in mm	Rate (Rs.)
1	2	3	4	5
1	Manufacture, Supply and Delivery of Spirally welded M.S Pipes Conforming to IS 3589/2001 including in lining with Cement motor(1:2)12mm thick using 4 numbers of 6mm dia M.S.Rings at each end of the pipe and Out coating cement motor(1:3)30mm thick by shorcreting or Guniting duly providing wire mesh of size 50x50x3mm including cost of all materials,Labour charges, transportation to anywhere in AP, but excluding taxes & duties, etc.			
	500 MM DIA	Meter	8.00	8039
	600 MM DIA	Meter	8.00	9584
	700 MM DIA	Meter	8.00	11176
	700 MM DIA	Meter	10.00	13891
	800 MM DIA	Meter	8.00	12820
	800 MM DIA	Meter	10.00	14859
	800 MM DIA	Meter	12.00	17617
	900 MM DIA		8.00	14313
	900 MM DIA	Meter	10.00	16603
	900 MM DIA	Meter	12.00	18898
	1000 MM DIA	Meter	8.00	16058
	1000 MM DIA	Meter	10.00	18592
	1000 MM DIA	Meter	12.00	21050
	1000 MM DIA	Meter	14.00	24341
	1100 MM DIA	Meter	8.00	18894
	1100 MM DIA	Meter	10.00	21681
	1100 MM DIA	Meter	12.00	24471
	1100 MM DIA	Meter	14.00	28307
	1100 MM DIA	Meter	16.00	32157
	1200 MM DIA	Meter	8.00	21335
	1200 MM DIA	Meter	10.00	24364
	1200 MM DIA	Meter	12.00	27405
	1200 MM DIA	Meter	14.00	30460
	1200 MM DIA	Meter	16.00	34594
	1200 MM DIA	Meter	18.00	38740

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	1300 MM DIA	Meter	8.00	23277
	1300 MM DIA	Meter	10.00	26554
	1300 MM DIA	Meter	12.00	29844
	1300 MM DIA	Meter	14.00	33142
	1300 MM DIA	Meter	16.00	36455
	1300 MM DIA	Meter	18.00	40814
	1300 MM DIA	Meter	20.00	45186
	1400 MM DIA	Meter	8.00	24770
	1400 MM DIA	Meter	10.00	28295
	1400 MM DIA	Meter	12.00	31832
	1400 MM DIA	Meter	14.00	35383
	1400 MM DIA	Meter	16.00	38940
	1400 MM DIA	Meter	18.00	43589
	1400 MM DIA	Meter	20.00	48251
	1400 MM DIA	Meter	22.00	52926
	1500 MM DIA	Meter	8.00	26512
	1500 MM DIA	Meter	10.00	30290
	1500 MM DIA	Meter	12.00	34071
	1500 MM DIA	Meter	14.00	37869
	1500 MM DIA	Meter	16.00	41675
	1500 MM DIA	Meter	18.00	45487
	1500 MM DIA	Meter	20.00	50340
	1500 MM DIA	Meter	22.00	55206
	1500 MM DIA	Meter	24.00	60086
	1600 MM DIA	Meter	8.00	28021
	1600 MM DIA	Meter	10.00	32026
	1600 MM DIA	Meter	12.00	36061
	1600 MM DIA	Meter	14.00	40106
	1600 MM DIA	Meter	16.00	44159
	1600 MM DIA	Meter	18.00	48221
	1600 MM DIA	Meter	20.00	53359
	1600 MM DIA	Meter	22.00	58512
	1600 MM DIA	Meter	24.00	63676
	1600 MM DIA	Meter	26.00	68852
	1700 MM DIA	Meter	8.00	29748
	1700 MM DIA	Meter	10.00	34017
	1700 MM DIA	Meter	12.00	38298
	1700 MM DIA	Meter	14.00	42590
	1700 MM DIA	Meter	16.00	46890
	1700 MM DIA	Meter	18.00	51203
	1700 MM DIA	Meter	20.00	56656
	1700 MM DIA	Meter	22.00	62123
	1700 MM DIA	Meter	24.00	67601
	1700 MM DIA	Meter	26.00	73093

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	1700 MM DIA	Meter	28.00	78596
	1800 MM DIA	Meter	8.00	31490
	1800 MM DIA	Meter	10.00	36007
	1800 MM DIA	Meter	12.00	40537
	1800 MM DIA	Meter	14.00	45079
	1800 MM DIA	Meter	16.00	49623
	1800 MM DIA	Meter	18.00	54185
	1800 MM DIA	Meter	20.00	58755
	1800 MM DIA	Meter	22.00	64414
	1800 MM DIA	Meter	24.00	70086
	1800 MM DIA	Meter	26.00	75767
	1800 MM DIA	Meter	28.00	81463
	1800 MM DIA	Meter	30.00	87170
	1900 MM DIA	Meter	8.00	32046
	1900 MM DIA	Meter	10.00	37749
	1900 MM DIA	Meter	12.00	42522
	1900 MM DIA	Meter	14.00	47310
	1900 MM DIA	Meter	16.00	52108
	1900 MM DIA	Meter	18.00	56918
	1900 MM DIA	Meter	20.00	61732
	1900 MM DIA	Meter	22.00	67673
	1900 MM DIA	Meter	24.00	73626
	1900 MM DIA	Meter	26.00	79591
	1900 MM DIA	Meter	28.00	85568
	1900 MM DIA	Meter	30.00	91558
	1900 MM DIA	Meter	32.00	97557
	2000 MM DIA	Meter	8.00	33529
	2000 MM DIA	Meter	10.00	39490
	2000 MM DIA	Meter	12.00	44515
	2000 MM DIA	Meter	14.00	49549
	2000 MM DIA	Meter	16.00	54594
	2000 MM DIA	Meter	18.00	59652
	2000 MM DIA	Meter	20.00	64712
	2000 MM DIA	Meter	22.00	69750
	2000 MM DIA	Meter	24.00	75876
	2000 MM DIA	Meter	26.00	82012
	2000 MM DIA	Meter	28.00	88163
	2000 MM DIA	Meter	30.00	94323
	2000 MM DIA	Meter	32.00	100497
	2000 MM DIA	Meter	34.00	106680
	2100 MM DIA	Meter	8.00	35220
	2100 MM DIA	Meter	10.00	41479
	2100 MM DIA	Meter	12.00	46753
	2100 MM DIA	Meter	14.00	52024
	2100 MM DIA	Meter	16.00	57328

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	2100 MM DIA	Meter	18.00	62631
	2100 MM DIA	Meter	20.00	67942
	2100 MM DIA	Meter	22.00	73268
	2100 MM DIA	Meter	24.00	79699
	2100 MM DIA	Meter	26.00	86143
	2100 MM DIA	Meter	28.00	92599
	2100 MM DIA	Meter	30.00	99064
	2100 MM DIA	Meter	32.00	105544
	2100 MM DIA	Meter	34.00	112034
	2100 MM DIA	Meter	36.00	118536
	2200 MM DIA	Meter	8.00	36701
	2200 MM DIA	Meter	10.00	43221
	2200 MM DIA	Meter	12.00	48743
	2200 MM DIA	Meter	14.00	54271
	2200 MM DIA	Meter	16.00	59813
	2200 MM DIA	Meter	18.00	65361
	2200 MM DIA	Meter	20.00	70923
	2200 MM DIA	Meter	22.00	76497
	2200 MM DIA	Meter	26.00	89930
	2200 MM DIA	Meter	28.00	96663
	2200 MM DIA	Meter	30.00	103409
	2200 MM DIA	Meter	32.00	110166
	2200 MM DIA	Meter	34.00	116936
	2200 MM DIA	Meter	36.00	123717
	2200 MM DIA	Meter	38.00	130511
	2300 MM DIA	Meter	10.00	45211
	2300 MM DIA	Meter	12.00	50980
	2300 MM DIA	Meter	16.00	62542
	2300 MM DIA	Meter	18.00	68343
	2300 MM DIA	Meter	20.00	74153
	2300 MM DIA	Meter	22.00	79970
	2300 MM DIA	Meter	26.00	94006
	2300 MM DIA	Meter	28.00	101041
	2300 MM DIA	Meter	30.00	108090
	2300 MM DIA	Meter	32.00	115149
	2300 MM DIA	Meter	34.00	122219
	2300 MM DIA	Meter	36.00	129303
	2300 MM DIA	Meter	38.00	136398
	2300 MM DIA	Meter	40.00	143503
	2400 MM DIA	Meter	10.00	46950
	2400 MM DIA	Meter	12.00	52968
	2400 MM DIA	Meter	14.00	59838
	2400 MM DIA	Meter	16.00	65877
	2400 MM DIA	Meter	18.00	71921
	2400 MM DIA	Meter	20.00	77980
	2400 MM DIA	Meter	22.00	84813

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	2400 MM DIA	Meter	26.00	92000
	2400 MM DIA	Meter	28.00	98429
	2400 MM DIA	Meter	30.00	104869
	2400 MM DIA	Meter	32.00	111319
	2400 MM DIA	Meter	34.00	117778
	2400 MM DIA	Meter	36.00	124250
	2400 MM DIA	Meter	38.00	130730
	2400 MM DIA	Meter	40.00	131540
	2400 MM DIA	Meter	42.00	138037
	2500 MM DIA	Meter	10.00	48943
	2500 MM DIA	Meter	14.00	61481
	2500 MM DIA	Meter	16.00	67766
	2500 MM DIA	Meter	18.00	74060
	2500 MM DIA	Meter	20.00	80364
	2500 MM DIA	Meter	22.00	86678
	2500 MM DIA	Meter	28.00	109492
	2500 MM DIA	Meter	30.00	117120
	2500 MM DIA	Meter	34.00	132412
	2500 MM DIA	Meter	36.00	140076
	2500 MM DIA	Meter	38.00	147752
	2500 MM DIA	Meter	40.00	155439
	2500 MM DIA	Meter	42.00	163138
	2500 MM DIA	Meter	44.00	170849
	2500 MM DIA	Meter	46.00	178572
	2600 MM DIA	Meter	12.00	57192
	2600 MM DIA	Meter	14.00	63717
	2600 MM DIA	Meter	16.00	70252
	2600 MM DIA	Meter	18.00	76793
	2600 MM DIA	Meter	20.00	83346
	2600 MM DIA	Meter	22.00	89907
	2600 MM DIA	Meter	32.00	129385
	2600 MM DIA	Meter	34.00	137315
	2600 MM DIA	Meter	36.00	145258
	2600 MM DIA	Meter	38.00	153213
	2600 MM DIA	Meter	40.00	161179
	2600 MM DIA	Meter	42.00	169157
	2600 MM DIA	Meter	44.00	177148
	2600 MM DIA	Meter	46.00	185149
	2600 MM DIA	Meter	48.00	193163
2	Cost of Laying, Jointing, Hydrostatic filed test pressure, including cost of site welding, jointing materials and cost of transportation of water including emptying pipe line after completion of filed testing			
	400 MM DIA	Meter		395
	500 MM DIA	Meter		493
	600 MM DIA	Meter		606

	700 MM DIA	Meter		704
	800 MM DIA	Meter		803
	900 MM DIA	Meter		944
	1000 MM DIA	Meter		1042
	1100 MM DIA	Meter		1225
	1200 MM DIA	Meter		1373
	1300 MM DIA	Meter		1577
	1400 MM DIA	Meter		1815
	1500 MM DIA	Meter		2086
	1600 MM DIA	Meter		2399
	1700 MM DIA	Meter		2757
	1800 MM DIA	Meter		3172
	1900 MM DIA	Meter		3648
	2000 MM DIA	Meter		4196
	2100 MM DIA	Meter		4826
	2200 MM DIA	Meter		5549
	2300 MM DIA	Meter		6381
	2400 MM DIA	Meter		7338
	2500 MM DIA	Meter		8439
	2600 MM DIA	Meter		9705

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

MS Plates = Rs 46,000/- Per MT.

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

Revised Cost = Cost as per the above table "R₁".

R₁ = Variation (Increase/Decrease) in cost (Rs. Per meter) due to change in cost of MS Plates =
(M₂-M₁)/1000 x W_m

M₁ = Rs 46,000/-

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. SoRATES 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, unloading and stacking etc., complete but excluding Central Excise duty and to be added sale tax						
	Size	Unit	SoR For 2012-13 Rs.				
			3 Bar	6 Bar	9 Bar	12 Bar	15 Bar
	300 MM DIA	Metre	2371	2436	2505	2571	2683
	350 MM DIA	Metre	2545	2581	2660	2734	2859
	400 MM DIA	Metre	2833	2960	3069	3211	3337
	450 MM DIA	Metre	3324	3453	3642	3821	4039
	500 MM DIA	Metre	3787	3941	4165	4426	4679
	600 MM DIA	Metre	4813	5012	5316	5857	6130
	700 MM DIA	Metre	5771	6033	6766	7380	7940
	800 MM DIA	Metre	7064	7397	7986	8688	9380
	900 MM DIA	Metre	8830	9205	10000	10846	11745
	1000 MM DIA	Metre	10583	11070	11907	12986	13997
2	Cost of laying jointing, testing to Hydrostatic field test pressure including cost of transportation of water and emptying pipe line after completion of field testing.						
	Size	Unit	S.S. Rates for 2012-13. Rs.				
			3 Bar	6 Bar	9 Bar	12 Bar	15 Bar
	300 mm dia	Metre	107.00	107.00	107.00	107.00	107.00
	350 mm dia	Metre	160.00	160.00	160.00	160.00	160.00
	400 mm dia	Metre	240.00	240.00	240.00	240.00	240.00
	450 mm dia	Metre	293.00	293.00	293.00	293.00	293.00
	500 mm dia	Metre	373.00	373.00	373.00	373.00	373.00
	600 mm dia	Metre	399.00	399.00	399.00	399.00	399.00
	700 mm dia	Metre	452.00	452.00	452.00	452.00	452.00
	800 mm dia	Metre	532.00	532.00	532.00	532.00	532.00
	900 mm dia	Metre	585.00	585.00	585.00	585.00	585.00
	1000 mm dia	Meter	679.00	679.00	679.00	679.00	679.00

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

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

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

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

The methodology adopted for rates is as follows:

Percentage of raw materials in the finished product of the pipe

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

The cost of variation in Raw materials are:

1) Variation in cost of Hoop Glass : h%

2) Variation in cost of Chop Glass : c%

3) Variation in cost of Resin : r%

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

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

The rates of raw materials are:

1) Hoop Glass Fibre Rovings - Rs. 71.50/kg (Excluding CED&ST)

2) Chop Glass - Rs. 98.00/kg (Excluding CED&ST)

3) Resin - Rs.110.00/kg (Excluding CED&ST)

16. S.S. RATES FOR H.D.P.E PIPES FOR THE YEAR 2012-13. (PE - 80 Grade)

Sl.No	Description	4.0 kg/ sqcm
1	2	4
	Manufacture, supply, & delivery of HDPE pipes conforming to IS 4984 - 1995 including transportation to any where in A.P, excluding excise duty, sale tax and specials etc., complete. (Supply upto 90 mm dia in coil & above 90 mm dia straight length in 6 M.)	
	Rate per Meter	
	OD 20 mm	-
	OD 25 mm	-
	OD 32 mm	-
	OD 40 mm	34
	OD 50 mm	51
	OD 63 mm	70
	OD 75 mm	96
	OD 90 mm	138
	OD 110 mm	205
	OD 125 mm	265
	OD 140 mm	327
	OD 160 mm	428
	OD 180 mm	540
	OD 200 mm	662
	OD 225 mm	862
	OD 250 mm	1067
	OD 280 mm	1330
	OD 315 mm	1690
	OD 355 mm	2049
	OD 400 mm	2655
	OD 450 mm	3374
	OD 500 mm	4145
	OD 560 mm	5123
	OD 630 mm	6479
	OD 710 mm	8233
	OD 800 mm	10421
	OD 900 mm	13205
	OD 1000 mm	16260

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.88,610/- 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(I). SoRATES FOR H.D.P.E PIPES FOR THE YEAR 2012-13. (PE - 100 Grade)

Sl. No	Description	6.0 kg/sqcm	8.0 kg/sqcm	10.0 kg/sqcm	12.5 kg/sqcm	16.0 kg/sqcm
1	2	3	4	5	6	7
I	Manufacture, supply, & delivery of HDPE pipes conforming to IS 4984 - 1995 including transportation to any where in A.P, excluding excise duty, sale tax and specials etc., complete. (Supply upto 90 mm dia in coil & above 90 mm dia straight length in 6 M.)					
	Rate per Meter					
	OD 25 mm					34
	OD 32 mm			35	46	56
	OD 40 mm		45	53	69	86
	OD 50 mm	55	69	83	108	134
	OD 63 mm	83	106	128	170	209
	OD 75 mm	118	150	180	242	297
	OD 90 mm	168	214	256	344	431
	OD 110 mm	252	320	381	517	631
	OD 125 mm	322	412	495	663	813
	OD 140 mm	404	516	620	834	1023
	OD 160 mm	528	671	807	1087	1330
	OD 180 mm	664	850	1021	1372	1680
	OD 200 mm	821	1050	1259	1699	2073
	OD 225 mm	1062	1357	1633	2143	2622
	OD 250 mm	1307	1677	2016	2647	3235
	OD 280 mm	1638	2100	2523	3326	4063
	OD 315 mm	2077	2659	3194	4193	5138
	OD 355 mm	2605	3329	4004	5333	6531
	OD 400 mm	3433	4383	5259	6905	8437
	OD 450 mm	4261	5462	6567	8729	10626
	OD 500 mm	5269	6734	8099	10783	12886
	OD 560 mm	6090	7788	9305	11992	
	OD 630 mm	7676	9854	11787	14138	
	OD 710 mm	9766	12487	14972		
	OD 800 mm	12394	15854	19070		
	OD 900 mm	15701	20070			

	OD 1000 mm	19362				
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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.89,610/- 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(II)HDPE PIPES –(PE –100 Grade) SEWER LINES FOR THE YEAR 2012-13

Sl. No	Description	6.0 kg/ sqcm	8.0 kg/ sqcm	10.0 kg/ sqcm	12.5 kg/ sqcm	16.0 kg/ sqcm
1	2	3	4	5	6	7
I	Manufacture, supply, & delivery of HDPE pipes conforming to IS 14333 - 2000 For using Under Ground Drainage and Sewerage Systems including transportation to any where in A.P, excluding excise duty, sale tax and specials etc., complete. (Supply upto 90 mm dia in coil & above 90 mm dia straight length in 6 M or 12 M.)					
	Rate per Meter					
	OD 63 mm	90	115	138	163	195
	OD 75 mm	128	163	195	232	277
	OD 90 mm	182	233	278	330	399
	OD 110 mm	262	332	396	475	568
	OD 125 mm	335	428	512	608	733
	OD 140 mm	419	534	643	765	920
	OD 160 mm	547	697	838	986	1198
	OD 180 mm	689	884	1059	1259	1515
	OD 200 mm	853	1089	1305	1559	1867
	OD 225 mm	1075	1373	1653	1965	2367
	OD 250 mm	1327	1699	2039	2427	2915
	OD 280 mm	1659	2126	2542	3051	3661
	OD 315 mm	2100	2691	3254	3848	4629
	OD 355 mm	2661	3408	4101	4893	5872
	OD 400 mm	3521	4505	5409	6449	7736
	OD 450 mm	4445	5700	6851	8151	
	OD 500 mm	5494	7027	8449	10072	
	OD 560 mm	6868	8807	10601		
	OD 630 mm	8697	11148	13394		
	OD 710 mm	11289	14460			
	OD 800 mm	14321				
	OD 900 mm	18139				

	OD 1000 mm	22410				
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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.89,610/- 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. SoRATES FOR H.D.P.E FITTINGS FOR THE YEAR 2012-13.

	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	
I (a)	PIPE ENDS LONG NECK	Rate per Each
	OD 50 mm	62
	OD 63 mm	78
	OD 75 mm	93
	OD 90 mm	121
	OD 110 mm	167
	OD 125 mm	300
	OD 140 mm	303
	OD 160 mm	422
	OD 180 mm	599
	OD 200 mm	771
	OD 225 mm	884
	OD 250 mm	1035
	OD 280 mm	1157
	OD 315 mm	1334
	OD 355 mm	2787
	OD 400 mm	3714
	OD 450 mm	6181
	OD 500 mm	6879
(b)	MS FLANGES	Rate per Each
	OD 50 mm	110
	OD 63 mm	140
	OD 75 mm	176
	OD 90 mm	189
	OD 110 mm	200
	OD 125 mm	274
	OD 140 mm	297
	OD 160 mm	390
	OD 180 mm	550
	OD 200 mm	713
	OD 225 mm	891
	OD 250 mm	1052
	OD 280 mm	1194
	OD 315 mm	1405

	OD 355 mm	2379
	OD 400 mm	2951
	OD 450 mm	3852
	OD 500 mm	4411
(c)	END CAPS	Rate per Each
	OD 50 mm	41
	OD 63 mm	50
	OD 75 mm	63
	OD 90 mm	83
	OD 110 mm	95
	OD 125 mm	131
	OD 140 mm	153
	OD 160 mm	234
	OD 180 mm	380
	OD 200 mm	415
	OD 225 mm	433
	OD 250 mm	615
	OD 280 mm	629
	OD 315 mm	861
	OD 355 mm	1329
	OD 400 mm	2321
	OD 450 mm	3733
	OD 500 mm	6879
(d)	REDUCERS	Rate per Each
	OD 50 mm x 63 mm	58
	OD 63 mm x 75 mm	83
	OD 75 mm x 90 mm	136
	OD 90 mm x 110 mm	188
	OD 110 mm x 125 mm	287
	OD 125 mm x 140 mm	396
	OD 140 mm x 160 mm	553
	OD 160 mm x 180 mm	766
	OD 180 mm x 200 mm	990
	OD 200 mm x 225 mm	1215
	OD 225 mm x 250 mm	1657
	OD 250 mm x 280 mm	2353

	OD 280 mm x 315 mm	3327
	OD 315 mm x 355 mm	3815
	OD 355 mm x 400 mm	5384
	OD 400 mm x 450 mm	5585
	OD 450 mm x 500 mm	7161
(e)	TEES	Rate per Each
	OD 50 mm	80
	OD 63 mm	126
	OD 75 mm	153
	OD 90 mm	269
	OD 110 mm	318
	OD 125 mm	479
	OD 140 mm	661
	OD 160 mm	1137
	OD 180 mm	1543
	OD 200 mm	2125
	OD 225 mm	3016
	OD 250 mm	4129
	OD 280 mm	5781
	OD 315 mm	8242
	OD 355 mm	11752
	OD 400 mm	17212
	OD 450 mm	24450
	OD 500 mm	33578
(f)	BENDS	Rate per Each
	OD 50 mm	50
	OD 63 mm	111
	OD 75 mm	144
	OD 90 mm	248
	OD 110 mm	327
	OD 125 mm	481
	OD 140 mm	634
	OD 160 mm	946
	OD 180 mm	1358
	OD 200 mm	1840
	OD 225 mm	2610
	OD 250 mm	3578

	OD 280 mm	5159
	OD 315 mm	7134
	OD 355 mm	9889
	OD 400 mm	14917
	OD 450 mm	21930
	OD 500 mm	29731
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 upto 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"	759.00
	63 x3/4"	759.00
	63 x1"	759.00
	63 x1/2"	759.00
	75 x1/2"	759.00
	75 x3/4"	759.00
	75 x1	759.00
	90 x1/2"	759.00
	90 x3/4"	759.00
	90 x1"	759.00
	90 x 1 1/4"	985.00
	90 x 1 1/2"	985.00
	90 x2"	985.00
	110x1/2"	759.00
	110 x3/4"	759.00
	110 x1"	759.00
	110 x 1 1/4"	985.00
	110x1 1/2"	985.00
	110x2"	985.00
	160 x1/2"	759.00
	160 x3/4"	759.00

	160 x1”	759.00
	160 x 1 1/4”	1076.00
	160 x 1 1/2”	1076.00
	160 x 2”	1076.00
	200 x 1/2”	1072.00
	200 x 3/4”	1072.00
	200 x 1”	1072.00
	200 x 1 1/4”	1550.00
	200 x 2”	1550.00
	250 x 1/2”	1072.00
	250 x3/4”	1072.00
	250 x1”	1072.00
	250 x 1 1/4”	1550.00
	250 x1 1/2”	1550.00
	250 x 2”	1550.00
	315 x 1/2”	1277.00
	315 x3/4”	1277.00
	315x1”	1277.00
	315x1 1/4”	1733.00
	315x1 1/2”	1733.00
	315x2”	1733.00

19. SoRATES FOR PVC PIPES FOR THE YEAR 2012-13

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				12
	25				18
	32				29
	40			27	44
	50			42	68
	63		45	65	99
	75		66	89	142
	90	59	90	129	201
	110	89	131	187	301
	125	117	170	238	393
	140	142	213	308	486
	160	189	281	398	639
	180	237	359	512	817
	200	302	436	623	995
	225	389	576	833	1326
	250	468	672	1027	1618
	280	601	880	1296	2048
	315	758	1115	1629	2584

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.64,172/- 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. SoRATES FOR NON- PRESSURE P.V.C.U PIPES FOR THE YEAR 2012-13

Code No	Description	
1	2	4
	Manufacture, supply, & delivery of Unplasticized Non-Pressure Polyvinyl Chloride(PVC-U) pipes of dark (any shade of Brown) for use in underground drainage & sewerage system conforming to IS 15328/2003) with solvent cement jointing as per specification inclusive of transportation to the Sub-Divisional stores any where in A.P, excluding Central Excise duty, Cess, & VAT etc.,	Proposed Rates 2012-13
	Rate per Meter	Rs.
	Pipe Series (S25)	
	OD 160 mm	248
	OD 200 mm	377
	OD 250mm	584
	OD 315 mm	922
	Pipe Series (S20)	
	OD 125 mm	192
	OD 160 mm	307
	OD 200 mm	466
	OD 250mm	727
	OD 315 mm	1141
	Pipe Series (S16.5)	
	OD 110 mm	169
	OD 125 mm	228
	OD 160 mm	356
	OD 200 mm	554
	OD 250mm	858
	OD 315 mm	1355

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.64,172/- 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:

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

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

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. SoRATES FOR NON- PRESSURE P.V.C.U PIPES FOR THE YEAR 2012-13

Code No	Description	
1	2	4
	Manufacture, supply, & delivery of unplasticized Non-Pressure Polyvinyl Chloride(PVC-U) pipes of dark (any shade of Brown) for use in underground drainage & sewerage systemr conforming to IS 15328/2003) with <u>Elastomeric Seal Ring Joints</u> (Ringtite PVC Pipes)as per specification inclusive of transportation to the Sub-Divisional stores any where in A.P, excluding Central Excise duty,Cess, & VAT etc.,	Proposed Rates 2012-13
	Rate per Meter	Rs.
	Pipe Series (S25)	
	OD 160 mm	265
	OD 200 mm	402
	OD 250mm	625
	OD 315 mm	984
	Pipe Series (S20)	
	OD 125 mm	207
	OD 160 mm	326
	OD 200 mm	495
	OD 250mm	773
	OD 315 mm	1212
	Pipe Series (S16.5)	
	OD 110 mm	181
	OD 125 mm	243
	OD 160 mm	380
	OD 200 mm	586
	OD 250mm	911
	OD 315 mm	1438

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.64,172/- 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. SoRATES FOR CENTRIFUGALLY CAST (SPUN)IRON PRESSURE PIPES

Sl. No.	Description	Unit	S.S. Rates for 2012-13		
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	775	840	903
	100	Rmt	944	1037	1108
	125	Rmt	1193	1302	1402
	150	Rmt	1447	1586	1709
	200	Rmt	2113	2293	2482
	250	Rmt	2847	3101	3355
	300	Rmt	3672	4016	4350
	350	Rmt	4692	5090	5521
	400	Rmt	5712	6242	6737
	450	Rmt	6910	7592	8189
	500	Rmt	8167	8897	9625
	600	Rmt	10805	11796	12776
	700	Rmt	14205	15519	16767
	750	Rmt	15910	17395	18870
	800	Rmt	17809	19404	20991
	900	Rmt	21702	26871	25656
	1000	Rmt	26072	28479	30782
	Conveyance of Centrifugally Cast (Spun) Iron Pressure Pipes and accessories including loading at Factory, un-loading at site and stacking for the following sizes. (The Minimum distance/lead in Km for destination below 100 Km to be taken as 100 Km)		Class		
	SIZE IN MM UNIT		LA	A	B
	80 Per KM/RMT		0.20	0.20	0.20
	100 Per KM/RMT		0.20	0.20	0.20
	125 Per KM/RMT		0.30	0.30	0.30
	150 Per KM/RMT		0.30	0.30	0.30

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

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

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

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

Where M= Weight of pipe in kg per metre.

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

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

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

R1 = Price of Pig Iron(Rs per MT excluding CED&ST) at the time of preparation of SSR =Rs. 29,500/-

23.S o RATES FOR DUCTILE IRON PRESSURE PIPES

Sl. No.	Description	Unit	S.S. Rate for 2012-13	
1	2	3	4	5
1	CENTRIFUGALLY CAST (SPUN) DUCTILE IRON PRESSURE PIPES FOR WATER, GAS AND SEWAGE WITH <u>SOCKET SPIGOT ENDS</u> CONFORMING TO I.S.: 8329/2000 IN STANDARD WORKING LENGTHS OF 4, 5 5.5 & 6 METER FOR CLASSIFICATION K9 & K7 SUITABLE FOR PUSH-ON-JOINT (RUBBER GASKET D JOINTING) WITH CEMENT MORTAR LINING INSIDE THE PIPES WITH OUTSIDE ZINC COATING. RATES ARE EX-FACTORY, EXCLUDING TRANSPORTATION, TAXES & DUTIES.			
	Nominal Dia in mm	Rmt	K9	K7
	100	Rmt	1014	852
	150	Rmt	1502	1184
	200	Rmt	2006	1646
	250	Rmt	2632	2206
	300	Rmt	3334	2832
	350	Rmt	4156	3561
	400	Rmt	5009	4320
	450	Rmt	5992	5191
	500	Rmt	6971	6184
	600	Rmt	9195	8226
	700	Rmt	11878	10638
	750	Rmt	13330	11915
	800	Rmt	14710	13174
	900	Rmt	17937	16071
	1000	Rmt	21270	19056
	1100	Rmt	22817	
2	CENTRIFUGALLY CAST (SPUN) DUCTILE IRON PRESSURE PIPES FOR WATER, GAS AND SEWAGE <u>WITH PLAIN ENDS</u> CONFORMING TO I.S.:8329/2000IN STANDARD WORKING LENGTHS OF 4, 5, 5.5 & 6 METER FOR CLASSIFICATION K9 & K7 WITH CEMENT MORTAR LINING INSIDE THE PIPES WITH OUTSIDE ZINC COATING. RATES ARE EX-FACTORY, EXCLUDING TRANSPORTATION, TAXES & DUTIES.			
	Nominal Dia in mm		K9	K7
	100	Rmt	933	730
	150	Rmt	1370	1052
	200	Rmt	1861	1488
	250	Rmt	2470	1937

	300	Rmt	3124	2545
	350	Rmt	3882	3194
	400	Rmt	4677	3863
	450	Rmt	5529	4622
	500	Rmt	6593	5499
	600	Rmt	8515	7281
	700	Rmt	10801	9624
	750	Rmt	12102	10761
	800	Rmt	13362	11905
	900	Rmt	16158	14395
	1000	Rmt	19208	17114
	1100	Rmt	20516	18882
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	3482	4558
	150	Each	4930	6500
	200	Each	6534	8679
	250	Each	8536	11398
	300	Each	10685	14301
	350	Each	16703	21192
	400	Each	20622	26044
	450	Each	24900	31297
	500	Each	30175	37684
	600	Each	42706	52583
	700	Each	50911	63443
	800	Each	62775	78278
	900	Each	74828	93573
	1000	Each	96010	118293
			3.0 Mt. Length	4.0 Mt. Length
	100	Each	5633	6202
	150	Each	8071	9014
	200	Each	10827	12248
	250	Each	14260	16186
	300	Each	17914	20445
	350	Each	25682	28300
	400	Each	31466	34229

	450	Each	37692	40870	
	500	Each	45195	48845	
	600	Each	62457	66844	
	700	Each	75976	81876	
	800	Each	93777	101150	
	900	Each	112319	121427	
	1000	Each	140577	150411	
			5.0 Mt. Length		
	100	Each	7255		
	150	Each	10574		
	200	Each	14394		
	250	Each	19044		
	300	Each	24067		
	350	Each	32788		
	400	Each	39645		
	450	Each	47262		
	500	Each	56342		
	600	Each	76698		
	700	Each	94386		
	800	Each	116622		
	900	Each	144130		
	1000	Each	172653		
4	Conveyance of Ductile Iron Pressure Pipes and accessories including loading at Factory, un-loading at site and stacking for the following sizes		Class		WELDED DOUBLE FLANGED PIPES
	SIZE IN MM	UNIT	K7	K9	K9
	100	Per KM/RMT	0.20	0.20	0.30
	150	Per KM/RMT	0.30	0.30	0.40
	200	Per KM/RMT	0.30	0.40	0.60
	250	Per KM/RMT	0.40	0.50	0.80
	300	Per KM/RMT	0.60	0.60	1.00
	350	Per KM/RMT	0.70	0.80	1.20
	400	Per KM/RMT	0.80	0.90	1.40
	450	Per KM/RMT	1.00	1.10	1.70
	500	Per KM/RMT	1.20	1.30	2.00
	600	Per KM/RMT	1.70	1.70	2.60
	700	Per KM/RMT	2.50	2.50	3.80
	750	Per KM/RMT	3.00	3.00	4.60
	800	Per KM/RMT	5.10	5.10	7.60
	900	Per KM/RMT	5.10	5.10	7.60
	1000	Per KM/RMT	5.10	5.10	7.60
	1100	Per KM/RMT	5.10	5.10	-

5	Supply and Delivery of Polyethylene (PE)Sleeves for Ductile Iron Pipes used to guard the pipe against corrosion.			
	DIA IN MM			
	100 MM DIA		RMT	39
	150 MM DIA		RMT	48
	200 MM DIA		RMT	61
	250 MM DIA		RMT	70
	300 MM DIA		RMT	77
	350 MM DIA		RMT	87
	400 MM DIA		RMT	121
	450 MM DIA		RMT	121
	500 MM DIA		RMT	147
	600 MM DIA		RMT	147
	700 MM DIA		RMT	190
	750 MM DIA		RMT	190
	800 MM DIA		RMT	190
	900 MM DIA		RMT	216
	1000 MM DIA		RMT	216
	1100 MM DIA		RMT	216
6	Additional price for HAC(high alumina cement motar lining)			
	DIA IN MM			
	100 MM DIA		RMT	48
	150 MM DIA		RMT	63
	200 MM DIA		RMT	77
	250 MM DIA		RMT	91
	300 MM DIA		RMT	99
	350 MM DIA		RMT	112
	400 MM DIA		RMT	154
	450 MM DIA		RMT	154
	500 MM DIA		RMT	190
	600 MM DIA		RMT	190
	700 MM DIA		RMT	244
	750 MM DIA		RMT	244
	800 MM DIA		RMT	244
	900 MM DIA		RMT	279
	1000 MM DIA		RMT	279
	1100 MM DIA		RMT	279

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

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

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

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

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

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

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

R1 = Price of Pig Iron(Rs per MT excluding CED&ST) at the time of preparation of SoR =Rs.29,500/-

24. SoRATES FOR DUCTILE IRON FITTINGS FOR THE YEAR 2012-13

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		
	Upto 500 x 500 mm dia	Kg	88.00
	Above 500 x 500 mm dia	Kg	98.00
II	DI All Socket Tees		
	Upto 300 x 300 mm dia	Kg	88.00
	Above 300 x 300 mm dia	Kg	98.00
III	DI Double socket Tapers (Reducer)		
	Upto 500 x 450 mm dia	Kg	88.00
	Above 500 x 450 mm dia	Kg	98.00
IV	DI Flanged Socket		
	Upto 500 mm dia	Kg	88.00
	Above 500 mm dia	Kg	98.00
V	DI Flanged Spigot		
	Upto 500 mm dia	Kg	88.00
	Above 500 mm dia	Kg	98.00
VI	DI Double Socket Duck Foot Bend		
	Upto 300mm dia	Kg	88.00
	Above 300mm dia	Kg	98.00
VII	DI Double Flange Duck/Foot bend		
	Upto 300 mm dia	Kg	88.00
	Above 300 mm dia	Kg	98.00
VIII	DI All socket Cross.		
	Upto 300 x 300 mm dia	Kg	88.00
	Above 300 x 300 mm dia	Kg	98.00
IX	DI All Flange Tee		
	Upto 500 x 500 mm dia	Kg	88.00
	Above 500 x 500 mm dia	Kg	98.00
X	DI All Flange Cross		
	Upto 300 x 300 mm dia	Kg	88.00

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

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

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

Sl. No.	Description	Unit	S.S Rates For 2012-13
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 COMPANY'S STANDARD PACKING, TRANSPORTATION, UNLOADING & STACKING BUT EXCLUDING CENTRAL EXCISE DUTY, SALES TAX, OCTROI AND OTHER GOVT. LEVIES ETC., COMPLETE.		
	80mm dia	Each	52
	100mm dia	Each	81
	125mm dia	Each	96
	150mm dia	Each	118
	200mm dia	Each	144
	250mm dia	Each	160
	300mm dia	Each	244
	350mm dia	Each	309
	400mm dia	Each	337
	450mm dia	Each	363
	500mm dia	Each	504
	600mm dia	Each	596
	700mm dia	Each	793
	750mm dia	Each	880
	800mm dia	Each	1055
	900mm dia	Each	1274
	1000mm dia	Each	1394

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

26. SoRATES FOR CI PIPES AND SPECIALS FOR THE YEAR 2012-13

Sl. No.	Description	Quality or sort	Rate/ Kg including packing, forwarding, transit risk and delivery any where in A.P. for the year 2012-13. Rs.
1	2	3	4
	MANUFACTURE, SUPPLY AND DELIVERY OF CAST IRON PIPES AND FITTINGS (Sppls.) 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	65.00

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.29,500/- per M.T.(excluding CED, Tax & Fright)

Coke : Rs.28,500.00/- 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. SoRATES FOR C.I. D/F VALVES FOR THE YEAR 2012-13

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

	500	1,16,742	1,35,626	
	600	1,70,994	2,01,095	
	700	2,83,183		
	750	3,97,896		
	800	4,63,964		
	900	5,51,258		
	1000	8,51,760		
	1100	9,62,325		
	1200	11,46,600		
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	P.N 0.6	PN-1.0	PN-1.6
	Rate/Each			
	50			2,348
	65			2,935
	80			3,523
	100			4,696
	125			5,870
	150		7,043	8,803
	200		14,049	17,561
	250		20,375	25,471
	300		30,655	38,317
	350	42,174		51,771
	400	53,890		67,356
	450	90,771		1,13,471
	500	1,09,492		1,36,873
	600	1,74,929		2,18,668
4	Manufacture, Supply and delivery of CI D/F Kinetic Air Valve Heavy Duty suitable for working pressure up to 16kg/Cm2 without isolating valve, conforming to IS 14845 excluding transportation, Central Excise duty and sale tax etc., complete.			
	DIA IN MM		PN-1.0	PN-1.6
	Rate/Each			
	40		2,770	3,034
	50		3,347	3,666
	80		4,477	5,504
	100		6,000	6,571
	150		13,517	14,804
	200		22,383	24,515

5	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		7,881	9,065
	50		9,197	10,578
	80		12,116	13,928
	100		16,689	19,202
	150		32,883	37,828
	200		49,036	56,396
6	Conveyance of valves and accessories including loading at factory and unloading, stacking at site of work.	10% on basic cost of valves		

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

**28. SoRATES FOR C.I. D/F SOFT SEATED GATE / SLUICE VALVES FOR THE
YEAR 2012-13**

Sl. No.	Description	PN-1.0	PN-1.6
1	2	3	4
1	Manufacture, supply and delivery of CI D/F Gate (Sluice) Valve (Soft Seated) according to standards of BS5163 – 86 type B, also available as per DIN 3352 Part-4/AWWA C509/ISO5752 with body bonnet of Cast Iron of grade FG 260 as per IS 210-1978 wedge fully rubber lined with EPDM Food grade Quality and seals of NBR and the valves should be of vacuum tight and 100% Leak proof with Face to face dimensions as per IS: 14846-2000. Flanges of the valve is according to IS1538-93(Table 6) All the valves should be with Electrostatic powder coating both inside and outside with pocket less body passage, excluding transportation, Central Excise duty and sale tax etc., complete.		
	DIA IN MM	Rs.	Rs.
	50	4,704	5,173
	80	6,024	6,626
	100	7,958	8,754
	150	13,016	14,316
	200	20,975	23,072
	250	28,802	31,682
	300	48,720	53,591
	350	1,48,785	1,61,070
	400	1,61,070	1,73,355
	450	2,05,065	2,13,570
	500	2,13,570	2,22,075
	600	2,64,600	2,90,115
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. SoRATES FOR C.I. BUTTERFLY VALVES FOR THE YEAR 2012-13.

Sl. No.	Description	TEST PRESSURES		
1	2		3	4
1	Manufacture, Supply and delivery of CI Wafer Lug type Butterfly Valves conforming to IS 13095/1991 (Reaffirmed 1998) excluding transportation, CED and taxes etc., complete. Operation done with worm actuator ISI marked Rate at Ex-Factory.		PN-1.0	PN-1.6
	DIA IN MM Rate / Each		Rs.	Rs.
	40		2,397	2,894
	50		2,607	3,145
	65		3,067	3,764
	80		3,812	4,601
	100		5,088	6,441
	125		6,364	8,030
	150		7,631	9,703
	200		11,849	16,729
	250		17,007	26,486
	300		26,207	34,851
	350		35,129	48,024
	400		42,797	58,534
	450		55,064	75,207
	500		74,162	1,01,303
	600		1,08,036	1,25,544
	700		1,57,523	1,88,635
	800		2,16,281	2,36,981
	900		2,68,486	2,95,530
	1000		3,28,149	3,81,957
	1100		3,87,812	5,01,842
	1200		4,48,870	5,91,059
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		2,557	2,921
	100		3,486	3,985

	125		4,791	5,477
	150		5,375	6,143
	200		14,813	16,929
	250		23,518	26,877
	300		30,982	35,408
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		36,722	41,969
	350		56,822	64,939
	400		68,033	77,751
	450		79,489	90,845
	500		93,736	1,07,127
	600		1,10,343	1,26,107
	700		1,65,613	1,89,272
	750		1,95,200	2,23,085
	800		2,07,905	2,37,607
	900		2,59,760	2,96,868
	1000		3,34,565	3,82,360
	1100		4,41,591	5,04,674
	1200		5,18,251	5,92,286
	1300		7,31,853	8,36,404
	1400		8,29,922	9,48,482
	1500		9,46,920	10,82,195
	1600		12,30,294	14,06,050
	1800		13,98,328	15,98,088
	2000		18,83,693	21,52,792

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. SoRATES FOR WATER HAMMER CONTROL DEVICES FOR THE YEAR 2012-13
(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	63,742	74,405	78,801	86,683	
	200	66,591	76,579	82,324	90,554	
	250	75,133	86,403	92,884	102,172	
	300	84,553	97,236	104,531	114,982	
2	Manufacture, Supply and delivery of zero velocity valve/ PSLV with MS Fabricated Body with Plain ends. as per AWWA, Ex-factory excluding transportation, Central Excise duty and sale tax etc. Complete					
	DIA IN MM Rate/ Each	Rs.	Rs.	Rs.	Rs.	Rs.
	350	90,057	1,03,565	1,11,332	1,22,465	7,803
	400	99,545	1,14,475	1,23,061	1,35,372	9,409
	450	1,15,778	1,33,146	1,43,131	1,57,445	11,244
	500	1,33,810	1,53,880	1,65,422	1,81,965	12,163
	525/550	1,43,728	1,63,390	1,79,953	1,97,949	15,719
	600	1,60,928	1,85,066	1,98,946	2,18,841	22,424
	650	1,80,140	1,98,156	2,25,234	2,43,134	25,358
	700	2,09,974	2,31,086	2,62,525	2,83,522	30,291
	750	2,32,577	2,55,868	2,90,750	3,14,042	34,009
	800	2,83,320	3,25,820	3,50,254	3,85,277	38,323
	900	3,36,744	3,87,255	4,08,472	4,57,930	46,355
	1000	4,08,472	4,08,472	4,08,472	5,67,617	58,861
	1050	4,12,557	4,12,557	4,12,557	5,97,655	61,216
	1100	5,20,412	5,90,106	6,43,375	7,07,714	68,156

	1200	6,26,363	6,89,013	7,84,933	8,45,631	77,105
	1400	9,39,545	10,33,517	11,77,400	12,68,444	1,08,429
	1500	10,94,730	12,04,192	13,68,382	14,77,731	1,10,598
	1600	11,16,624	12,28,274	13,95,750	15,07,284	1,15,658
3	Manufacture, Supply and delivery of Air Cushion valves / Quick Released damped Air Valves (QRDA) as per AWWA, Ex-factory excluding transportation, Central Excise duty and sale tax etc., complete.					
	DIA IN MM Rate/Each	Rs.	Rs.	Rs.	Rs.	
	100	58,289	67,033	73,735	81,106	
	150	88,580	1,01,867	1,12,052	1,23,258	
	200	94,546	1,08,727	1,19,601	1,31,560	
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. SoRATES FOR CAST STEEL VALVES FOR THE YEAR 2012-13.

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	5,196	10,392		
	50	8,562	15,588		
	65	10,715	19,485		
	80	12,851	23,382		
	100	17,140	31,175		
	125	21,982	39,969		
	150	25,718	46,763		
	200	41,536	84,434	50,837	92,888
	250	58,462	1,32,895	67,762	1,41,350
	300	73,850	1,67,868	83,150	1,76,322
	350	98,476	2,23,824	1,11,158	2,35,353
	400	2,00,043	4,54,642	2,12,725	4,66,171
	450	2,24,223	4,99,607	2,36,906	5,11,136
	500	2,63,792	5,99,528	2,76,474	6,11,057
	600	3,01,162	6,83,462	3,13,845	6,94,991
	700	5,82,541		5,95,223	
	750	6,26,506		6,44,261	
	800	7,25,428		7,43,183	
	900	8,57,325		8,75,080	
	1000	10,99,134		11,16,889	
	1100	11,87,065		12,04,820	
	1200	13,40,943		13,58,698	

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	PN-20	PN-30		
	Rate/Each Rs.				
	40	5,166	9,393		
	50	7,687	13,989		
	65	9,607	17,487		
	80	11,529	20,984		
	100	15,818	27,979		
	125	19,785	35,972		
	150	21,753	39,569		
	200	32,974	71,943		
	250	46,164	119,906		
	300	65,948	149,882		
	350	87,931	199,843		
	400	180,258	409,677		
	450	202,241	459,638		
	500	237,413	539,575		
	600	274,783	624,507		
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.	PN-20			
		Rate/Each			
	DIA IN MM	Rs.			
	500	399,685			
	600	499,607			
	700	599,528			
	750	739,418			
	800	10,99,134			
	900	13,18,961			
	1000	14,38,866			
	1100	16,98,662			

	1200	17,18,646			
4	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	76,285	95,095		
	350	102,619	128,953		
	400	123,310	159,885		
	450	149,435	189,145		
	500	170,335	217,360		
	600	198,550	254,980		
	700	311,410	386,650		
	750	386,650	480,700		
	800	424,270	527,725		
	900	480,700	602,965		
	1000	762,850	950,950		
	1100	950,950	12,33,100		
	1200	11,39,050	12,33,100		
	1300	15,25,700	17,03,350		
	1400	16,09,300	17,97,400		
	1500	17,03,350	18,91,450		
	1600	19,85,500	22,67,650		
	1800	24,55,750	26,43,850		
	2000	33,96,250	36,78,400		
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. SoRATES FOR DI D/F VALVES FOR THE YEAR 2012-13.

Sl. No.	Description	Rate/Each in Rs.			
		TEST PRESSURE			
		PN 10	PN 16		
1	2	3	4	5	6
1	Manufacture, supply and delivery of Single Chamber DI <u>Air Valve</u> with Body and cover in Ductile Iron of grade SG 400/12 or equivalent grade as per I.S.3896 – part.2 - 1985 and subsequent revisions. All internal parts such as float, shell etc., all cover bolts, of stainless steel, and Gaskets and seals of EPDM food grade quality Epoxy powder coating (EP-P) inside and outside colour blue. Drilled as per IS:1538.				
	DIA IN MM	PN 10	PN 16	PN 25	
	50	28020	28020	36053	
	80	37381	37381	37381	
	100	43643	43643	50189	
	150	53130	53130	60720	
	200	58190	58190	67678	
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	6708	6708	11337	
	80	8590	8590	13977	
	100	11331	11331	15848	
	150	17842	17842	26433	
	200	29649	29649	44585	
	250	41064	41064	66223	
	300	62062	62062	107415	
	350	187905	187905	314331	
	400	197083	197083	319718	
	450 With By-pass & Gear	339067	339067	637346	
	500 With By-pass & Gear	360067	360067	676818	

	600 With By-pass & Gear	463663	463663	871547	
3	Manufacture, Supply and delivery of DI D/F Butterfly Valves with GGG40/SG 400/12 or Equivalent grade as per I.S.3896-part 2-1985 and subsequent revisions, Double eccentrically Disc., with renewable soft seal on the disc and Body seat face of stainless steel / nickel weld overlay, with powder or liquid Epoxy coating with minimum thickness of 250 microns applied on both body and disc inside and outside. Face to face dimensions as per AWWA C 504 or BS 5155 or IS:13095. Drilled as per IS: 1538/ISO				
	DIA IN MM	PN 10	PN 16	PN 25	PN 40
	150	71507	71507	73814	97998
	200	77882	80410	94480	119159
	250	90743	93381	109375	166976
	300	108276	111464	124325	175330
	350	123885	135153	157412	190830
	400	156035	176781	205824	291750
	450	171299	190119	242130	
	500	172928	204120	324592	360525
	600	226645	320000	376752	395040
	700	447436	472116	709570	
	800	485075	505516	1035645	
	900	634383	634383		
	1000	795229	795229	1501751	
	1100	914513	—		
	1200	1065516	1065516	1677644	
	1400	2290001	2290001		
	1600	2730614	2730614		
	1800	3349256	3349256		
	2000	5721395	5721395		
	2200	8259957	8259957		
4	Manufacture, Supply and delivery of DI D/F Swing Check Valves Slanted/Straight seated with metallic, corrosion proof and wear resistant seat faces resilient seat, Body and Disc of ductile cast iron GGG 40/SG Iron 420/12 or equivalent grade as per IS 3896(part2)-1985 and subsequent revisions. All the inside and outside of the body is to be coated with double coating of epoxy liquid. Drilled as per IS:1538. Specification and Dimensions as per I.S 5312 or equivalent codes.				

	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>	<u>PN 25</u>	<u>PN 40</u>
	100	28334	31482		
	150	47579	52866		
	200	72153	76446	112114	146748
	250	79406	84215	136165	172057
	300	99534	105454	165766	210019
	350	117147	124176	188559	229260
	400	142307	150817	190927	248279
	500	180937	191890	241988	318434
	600	271469	287788	356730	461093
	700	391834	427317	522319	662354
	800	489935	533957	658623	834394
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	4857	4857		
	50	4857	4857		
	65	5256	5256		
	80	5731	6281		
	100	8058	8353		
	125	10127	10127		
	150	13675	13971		
	200	18554	18554		
	250	24690	24690		
	300	34742	34742		
	350	42160	45735		
6	Manufacture and supply of- Air Release – Vacuum Break – Surge Alleviation” Valve for potable water. Construction material Cylindrical Body of Ductile Iron GGG-50/SG-500-7, Three cylindrical Floats of High Density Poly Ethylene. Baffle Plate, Orifice venture and all construction bolts of stainless steel,				

	coating internally and externally. Electrostatically applied epoxy (1) Flange connection as per IS 1538, (2) Female (BSP/NTP Threaded for sizes 25 mm				
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>	<u>PN 25</u>	
	25 mm dia	12826	-	-	
	50 mm dia	-	41333	41333	
	80 mm dia	-	64845	64845	
	100 mm dia	-	71500	71500	
	150 mm dia	-	146630	146630	
	200 mm dia	-	220220	220220	
7	Manufacturer and supply of Metal Seated Gate Valve Non- Rising Stem with by-pass & gear operated, for water and sewage applications& dimensions confirming to IS 14846-2000. Material construction Body, Bonnet, Wedge and Distance Piece of ductile iron GGG-50/SG500/7 DIN1693 or equivalent. Body seat, Wedge seat and Stem nut of Aluminum Bronze BS EN 1982 CC331G/ equivalent, Stem of Stainless steel BS EN 100881.4057 or equivalent. 'O' Seal Body/ Cover is of EPDM food grade Quality. Fastners is of Steel Sheraplex coated to BS 3692 Gr 8.8 or equivalent. Body and Bonnet internally and externally blue two pack epoxy to WIS 4-52-01 Class B. Leakage tested for seat 1.1 PN and body 1.5 x PN. Flange connection as per IS 1538				
	DIA IN MM	<u>PN 10</u>	<u>PN 16</u>		
	DN700	1188043	1188043		
	DN800	1502108	1502108		
	DN 900	1697991	1697991		
	DN 1000	1902457	1902457		
	DN 1100	2946485	2946485		
	DN 1200	2592268	2592268		

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. SoRATES FOR SFRC MAN-HOLE FRAME WITH COVERS FOR THE YEAR
2012-13**

Sl.No.	Description	Unit	SoRates for 2012-13.
1	2	3	4
I	<p>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, unloading & stacking at site but excluding central excise duty, sales tax, octroi and other Govt levies etc., as applicable.</p> <p align="center"><u>ISI Mark</u></p>		Rs.
a)	M.D. -10 with 500mm dia clear opening	Each	1427
b)	H.D.-20 with 500mm dia clear opening	Each	1839
c)	H.D.-10with 560mmdia clear opening(New item)	Each	1443
d)	H.D.-20 with 560mm dia clear opening	Each	1972
e)	H.D.-35 with 560mm dia clear opening.	Each	2113
f)	24x24 MD 10	Each	1555
g)	24x18 MD 10	Each	1431
h)	24x24 HD 20	Each	1748
i)	24x18 HD 20	Each	1782
j)	Deviders 0.9 mtr.	Each	3659
II	<p>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.</p>	Each	150

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

34. SoRATES FOR CI and M.S. DISMANTLING JOINTS FOR THE YEAR 2012-13

Sl.No.	Description	Unit	2012-13.
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	3625
	80	Each	3968
	100	Each	5207
	125	Each	6695
	150	Each	7345
	200	Each	10416
	250	Each	12400
	300	Each	19841
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		47056
	400		53922
	450		58501
	500		70019
	600		81476
	700		90642
	750		92935
	800		111267
	900		116082
	1000		139048
	1100		150527
	1200		173491
	1300		196452
	1400		219861
	1600		242869
	1800		287607
	2000		357914
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. SoRATES FOR FUSION BONDED EPOXY COATING FOR THE YEAR 2012-13.

Sl. No.	Description	Unit	Rate (Rs.)
1	2	3	4
	Providing fusion bonded epoxy coating not less than 175 microns thickness and upto 300 microns to reinforcement of all diameters as per IS 13620-1993 including testing of coating at plant. The rate is inclusive of cost on account of careful handling, PVC coated binding wire instead of GI binding 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 FOR THE YEAR 2012-13

Sl. No.	Description	Unit	S.S. Rates for 2012-13.
1	2	3	4
1	SUPPLY AND DELIVERY OF PIG LEAD 99.99 % PURE INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.	Per Kg	264
2	SUPPLY AND DELIVERY OF LEAD WOOL BEST QUALITY INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.	Per Kg	139
3	SUPPLY AND DELIVERY OF SPUN YARN OF BEST QUALITY INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.	Per Kg	105
4	SUPPLY AND DELIVERY OF RUBBER PACKING INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE.		
	a) 3 mm thick	Per Kg	85
	b) 6 mm thick	Per Kg	85
5	SUPPLY AND DELIVERY OF BOLTS AND NUTS WITH DOUBLE WASHERS INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE. (1/2" TO 1")	Per Kg	102

**37. SoRATES FOR RUBBER RINGS SUITABLE FOR
SWG PIPES FOR THE YEAR 2012-13**

Sl. No.	Description	Unit	S.S Rates For 2012-13
1	2	3	4
1	Manufacture Supply of Rubber Rings made with EPDM Rubber rings(seals according to EN681 AND ASTM425) suitable for SWG pipes confirming to IS No.651/1992 any where in A.P , FOR including cost of materials, loading, unloading , handling with company standard packing , transportation, unloading and stacking but excluding central excise duty and other taxes etc complete		
	100 mm dia	Each	44
	150 mm dia	Each	66
	200 mm dia	Each	99
	230 mm dia	Each	121
	250 mm dia	Each	154
	300 mm dia	Each	176
	350 mm dia	Each	209

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

Conveyance Charges of Material

CONVEYANCE CHARGES OF MATERIALS AS PER SoR 2012-13

(COMMON TO ALL DEPARTMENTS).

**LEAD, LIFT, LOADING AND UNLOADING CHARGES FOR MATERIALS
FOR THE YEAR: 2012-13**

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

**A. (LEAD) CONVEYANCE CHARGES FOR MATERIALS BY HEAD LOAD
FOR THE YEAR: 2012-13**

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	40.70	23.80	51.80
3	Total lead up to 150 m	81.40	47.50	103.60

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

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

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

**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: 2012-13**

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

Sl No.	Distance	(Lead) charges for trucks and tippers for Earth / Sand /Gravel / Murrum/ Lime/ Surki/ per cu.meter	(Lead) charges for trucks and tippers for Rubble/Size stones/ Cut Stones/ Coarse aggregate per cu.meter	(Lead) charges for trucks and tippers for Cement/ Steel/ RCC poles/ AC & GI sheets/ Packed materials/tonne	(Lead) charges for trucks and tippers per cu.meter for PCC slabs/ Shahabad slabs/ CC & Laterite blocks/ Wood/ cum	(Lead) charges for trucks and tippers per cu.meter water/ 1000 litres	(Lead) charges for trucks per 1000 nos. of bricks
1	2	3	4	5	6	7	8
1	Lead up to 1 km	28.00	26.70	16.70	39.30	16.40	44.50
2	Lead up to 2 km	39.20	37.40	23.40	55.00	22.90	62.30
3	Lead up to 3 km	52.20	52.20	32.70	76.80	30.50	83.10
4	Lead up to 4 km	63.40	63.40	39.60	93.30	37.10	100.90
5	Lead up to 5 km	74.60	74.60	46.60	109.70	43.60	118.70
6	for Every km beyond 5 km up to 30 km	11.20	11.20	7.00	16.50	6.50	17.80
7	for Every km beyond 30 km	9.30	9.30	5.80	13.70	5.50	14.80

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

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

Sl No.	Description of item	Earth / Sand /Gravel Murrum/ / Surki/ Rs / cum	Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum	cement in Rs/tonne	steel in Rs./tonne	brick work Rs/1000 No
1	2	3	4	5	6	7
1	Loading	13.50	27.10	44.70	53.60	37.30
2	Unloading	6.75	13.55	44.70	53.60	37.30

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

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

Sl No.	Description of item	Earth / Sand /Gravel Murrum/ / Surki/ Rs / cum	Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum	cement in Rs/tonne	steel in Rs./tonne	brick work Rs/1000 No
1	2	3	4	5	6	7
1	Loading	94.40	108.00	133.70	142.60	184.10
2	Unloading	33.60	54.00	133.70	142.60	184.10

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

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

Sl No.	Description of item	Earth / Sand /Gravel Murrum/ / Surki/ Rs / cum	Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum
1	2	3	4
1	Loading	47.50	95.00
2	Unloading	14.10	14.10

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

F. LIFT CHARGES FOR MATERIALS BY HEAD LOAD

Sl No.	Total lift (Total lift includes initial lift)	Earth / Sand /Gravel Murrum/ Lime/ Surki/ Size stone / Cut stone Rubble / Coarse aggregate Rs / cum	Cement / Reinforce- ment steel Str steel Rs / tonne	PCC slab/ Shahbad slab / CC block/ BS slab / Laterite / Wood Rs / cum
1	2	3	4	5
1	Total lift up to 3 m (covered by item rate)	Initial lift	Initial lift	Initial lift
2	For Every 1.00 Lift beyond initial lift of 3 meters	4.80	3.40	6.30

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

HIRE CHARGES

**HIRE CHARGES OF PLANT & MACHINERY
FOR THE YEAR : 2012-13**

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	774.30	695.80	199.70	1669.80
2	Air compressor 5 cmm (electric)	Hour	111.50	226.60	117.00	455.10
3	Air compressor 7 cmm (diesel)	Hour	248.40	569.30	149.80	967.50
4	Air compressor 7 cmm (electric)	Hour	134.60	302.10	117.00	553.70
5	Air compressor 8.5 cmm (diesel)	Hour	280.70	711.60	149.80	1142.10
6	Air compressor 8.5 cmm (electric)	Hour	176.20	377.70	117.00	670.90
7	Air compressor 15 cmm (electric)	Hour	143.80	839.30	124.80	1107.90
8	Angle Dozer 90 hp	Hour	1745.70	486.70	166.40	2398.80
9	Batching plant 0.5 cum (6 Cum/hr)	Hour	119.10	100.70	239.60	459.40
10	Batching plant 2 x 1.00 cum (15 Cum/hr)	Hour	419.50	302.10	239.60	961.20
11	Batching plant 2 x 1.50 cum (50 Cum/hr)	Hour	537.00	369.30	239.60	1145.90
12	Bending machine 3000 x 12 mm	Hour	46.10	100.70	93.60	240.40
13	Clamp shell and hoisting ropes	Hour	5.40	0.00	0.00	5.40
14	Concrete bucket 1.5 cum	Hour	16.60	0.00	0.00	16.60
15	Concrete hand mixer 45 / 30 ltr	Hour	5.80	0.00	0.00	5.80
16	Concrete mixer 300 / 200 (diesel)	Hour	52.40	63.30	156.00	271.70
17	Concrete mixer 300 / 200 ltr (electric)	Hour	50.60	33.60	156.00	240.20
18	Concrete mixer 600 / 400 (diesel)	Hour	95.80	126.50	156.00	378.30
19	Concrete mixer 600 / 400 ltr (electric)	Hour	93.30	67.10	156.00	316.40
20	Concrete paver 100 sqm / hr	Hour	368.10	0.00	299.50	667.60
21	Convey mucker	Hour	840.40	233.60	124.80	1198.80
22	Core drilling machine	Hour	329.30	189.80	199.70	718.80
23	Diesel generating set 30 KVA	Hour	68.00	506.00	93.60	667.60
24	Diesel generating set 50 KVA	Hour	87.60	759.00	93.60	940.20
25	Diesel Loco 45 hp	Hour	390.00	426.90	117.00	933.90
26	Dewatering pump 5 hp (diesel)	Hour	11.10	63.30	78.60	153.00
27	Dewatering pump 5 hp (electric)	Hour	3.30	33.60	59.00	95.90

Hire Charges of Machinery – Common SoR 2012-13

Sl. No	Description of machinery	Unit	Hire charge in Rs	Fuel charge in Rs	Crew Charge in Rs.	Total in Rs
1	2	3	4	5	6	7
28	Dewatering pump 10 hp (diesel)	Hour	16.00	126.50	78.60	221.10
29	Dewatering pump 10 hp (electric	Hour	7.40	67.10	59.00	133.50
30	Dewatering pump 20 hp (diesel)	Hour	50.70	253.00	78.60	382.30
31	Dewatering pump 20 hp (electric	Hour	12.80	134.30	59.00	206.10
32	Drifter	Hour	331.20	0.00	249.60	580.80
33	Drilling jumbo	Hour	375.90	34.20	124.80	534.90
34	Dumper 4.5 cum	Hour	597.20	318.80	159.70	1075.70
35	Geophysical Electric resistivity meter	Hour	103.40	0.00	0.00	103.40
36	Grouting pump	Hour	25.90	33.60	187.20	246.70
37	Guniting / sand blast equipment	Hour	114.70	0.00	156.00	270.70
38	Ice plant & accessories 30 t / day	Hour	176.70	956.70	93.60	1227.00
39	Jack hammer	Hour	21.20	0.00	234.00	255.20
40	Needle vibrator 40 mm (petrol)	Hour	7.70	20.60	112.30	140.60
41	Needle vibrator 40 mm (electric)	Hour	8.50	6.70	112.30	127.50
42	Needle vibrator 60 mm (petrol)	Hour	8.10	30.90	112.30	151.30
43	Needle vibrator 60 mm (electric)	Hour	10.00	10.10	112.30	132.40
44	Planing machine 4 m stroke	Hour	122.00	100.70	149.80	372.50
45	Plate shearing machine up to 12 mm	Hour	43.20	134.30	99.80	277.30
46	Pneumatic placer 0.5 cum	Hour	174.50	0.00	61.40	235.90
47	Pneumatic tamper	Hour	21.20	0.00	187.20	208.40
48	Pug cutting machine	Hour	6.50	3.40	0.00	9.90
49	Pusher leg	Hour	13.20	0.00	0.00	13.20
50	Road roller diesel 10 t	Hour	201.50	569.30	149.80	920.60
51	Shovel 0.50 cum 75 hp	Hour	1027.10	379.50	166.40	1573.00
52	Shovel 0.85 cum 110 hp	Hour	1738.10	695.80	166.40	2600.30
53	Stationery derrick crane	Hour	88.60	0.00	0.00	88.60
54	Tipper 5 cum	Hour	454.40	239.10	124.80	818.30
55	Tipping tub 1.5 cum	Hour	65.60	0.00	0.00	65.60
56	Tower crane 5 tonne	Hour	894.80	174.60	133.10	1202.50
57	Transformer 250 KVA	Hour	5574.40	0.00	0.00	5574.40
58	Truck 10 t	Hour	424.50	239.10	117.00	780.60
59	Truck mounted derrick crane 5 t	Hour	528.30	239.10	117.00	884.40

Hire Charges of Machinery – Common SoR 2012-13

Sl. No	Description of machinery	Unit	Hire charge in Rs	Fuel charge in Rs	Crew Charge in Rs.	Total in Rs
1	2	3	4	5	6	7
60	Upright drilling machine/grinder	Hour	23.70	33.60	138.50	195.80
61	Ventilation fan 20 hp	Hour	12.00	134.30	20.30	166.60
62	Vibratory pad foot roller 8 t	Hour	1375.40	822.30	187.20	2384.90
63	Wagon drill	Hour	193.60	0.00	199.70	393.30
64	Water tanker 8000 ltr	Hour	408.80	239.10	117.00	764.90
65	Welding set	Hour	16.60	80.60	0.00	97.20
66	Winch 35 hp (electric)	Hour	130.80	164.50	187.20	482.50
67	Tractor with 2 T roller	Hour				345.00



GOVERNMENT OF ANDHRA PRADESH

PART-II
SCHEDULE OF RATES
AS PER
A.P. REVISED STANDARD DATA
FOR THE YEAR 2012-2013
(Effective from 1st June, 2012)

BOARD OF CHIEF ENGINEERS

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

Procs.No.ENC/IW/P&M/EE3/DEE10/5/AE/13305/12/Vol-34, dt:27.09.2012.

Sub: Schedule of Rates as per Revised Standard Data for the year 2012-13 – Road & Bridges works (Part-2) - approved- Printing & Communication of SoRs – Reg.

Ref: 1. G.O.Ms.No.49, I & CAD (PW: Reforms) Dept., dt.:2-3-2009.
2. E-in-C (PR) Lr.No.T1/DEE-II/rates/SoR/2012-13/12 dt.23.07.2012.
3. Minutes of B.O.CE's meeting for Schedule of Rates held on dt.17-9-2012.

-oOo-

The Government have communicated the Revised Standard Data vide ref 1st cited. The Schedule of Rates –Part-2(for Road & Bridge works) as per A.P. Revised Standard Data for the year 2012-13 is approved based on the following.

The Engineer-in-Chief, Panchayat Raj Department has furnished draft rates for Road & Bridge works for adopting A.P. Revised Standard Data(Part-2) vide ref 2nd cited.

Based on the proposals, the draft Schedule of Rates- Part-2(i.e., Road & Bridge works) for the year 2012-13 were reviewed and finalized in the Board of Chief Engineers meeting held on 17-9-2012.

The lead & lift charges are Common to all Engineering Departments. The detailed calculations are incorporated in the Lead & Lift charges chapter in the I&CAD works (Part-1) of A.P. Revised Standard Data.

The approved basic rates are applicable to the data's as per A.P.Revised Standard Data approved by the Government vide G.O. 1st cited. The Government approval is necessary to adopt any other data (i.e.) MORT&H Data for adopting the Road & Bridge Works (Part-2)SoR 2012-13 rates as per the decision taken in Board of Chief Engineers meeting.

One hard copy & compact disc containing Schedule of Rates-Part-2 are here with communicated. No other items other than the items communicated by this Office shall be introduced in the SoR-Part-2.

The Heads of Department and Officers mentioned below are authorized to print the Schedule of Rates (Part-2 i.e., Road & Bridge works) for the year 2012-13. The unauthorized printing & selling of the SoR is strictly prohibited. The Schedule of Rates for 2012-13 will be in force until the new SoR comes in to force.

Any discrepancies/corrections required for SoR –Part-2 may be brought to the notice of undersigned for issuing corrections.

The revised rates will come into force from 1st June of 2012.

The receipt of the proceedings may be acknowledged.

Encl: CD containing SoR Part-2.

Sd/-L.Narayan Reddy,dt:27.9.2012,
Engineer-in-Chief (I.W.)
Chairman, BOCE (SoR)

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.), Panchayat 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 2012-13 – Part-2 to all Engineers-in-Chief, Chief Engineers of Irrigation & CAD Department for favour of information.

II) Copy to the Superintending Engineer, Irrigation Circle, Irrigation & CAD Department, Red Hill, Hyderabad for necessary action.

Sd/-L.Narayan Reddy,dt:27.9.2012,
Engineer-in-Chief (I.W.)
Chairman, BOCE (SoR)

ROAD & BRIDGE WORKS

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PART-II

ROAD & BRIDGE WORKS

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PREAMBLE

PREAMBLE

1.0 AREA ALLOWANCES:

B) CORPORATIONS & MUNICIPALITIES:

- b) (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 corporation (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 limits (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).
- g) For works at Tirumala Hills in Chittoor District, 40% extra over the basic rates of labour component is allowed.
- h) For works at Horsely hills in Chittoor District, 30% extra over the basic rates of labour component is allowed.
- i) For works located inside Tirumala Temple, 20% extra over the basic rate of labour component specified for Tirumala Hills is allowed.
- j) For Works located inside T.T.D. Temples of Sri Padmavathi Ammavari Temple, Tiruchanoor, Sri Govindaraja Swamy Temple at Tirupathi, Sri Kapleswara Swamy Temple, Kapilatheerthm, Tirupathi and Sri Kalyana Venkateswara Swamy Temple, Srinivasa Mangapuram, 20% extra over the basic rates of labour component for Tirupathi Municipal Corporation is allowed.

B) JAIL COMPOUNDS:

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

C) INDUSTRIAL AREA:

- b. 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, Jaggaiahpetta 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, Wadeppally of Nalgonda District, **Nagapally(Centenary Colony, Begumpet “X” roads)** Takkalapally of Karimnagar District, Hindupur, Tadipatri, Anantapur, Guntakal, Rayalcheruvu, Yadiki of Anantapur District and Adoni, Dhone, Cement Nagar, Nandyal, Kurnool, Yemmiganur & Bethamcherla of Kurnool District ,Anakapally of Vishakhapatnam District.

E) AGENCY / TRIBAL AREAS:

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

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

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

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

E) GHAT ROADS:

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

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

Note below area allowances:

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

2.0 WATER LEADS:

The following labour is allowed for conveyance of water for every ½ Kilometer lead or part there of over the initial lead of ½ kilometer.

- | | | |
|--------------------|---|----------------------------|
| a) Cement concrete | : | 1.5 Women Mazdoor / Cum. |
| b) Masonry | : | 1.0 Woman Mazdoor/ Cum. |
| c) Plastering | : | 0.5 Woman Mazdoor/ 10 Sq.m |

Note:- For Water leads of over 2 KMs, specific approval of Chief Engineer concerned is necessary.

3.0 EXCAVATION OF TRIAL TRENCHES, TRIAL PITS AND EXCAVATION IN RESTRICTED PLACES: -

III) EXCAVATION OF TRIAL TRENCHES, TRIAL PITS AND EXCAVATION IN RESTRICTED PLACES: -

D. TRIAL TRENCHES:

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

E. 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 |

IV) 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 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 | ... | 75% extra |

of road boundary drains, model sections
of canals.

- VII) High berm cutting of not more than ... 50% extra
150 mm average thickness and
sectioning for roads

Note: 1) The extra percentage is allowed over 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.

4.0 Proportion of First class and 2nd class workmen under Skilled Labour:

30% of the skilled labour provided in the data may be taken as 1st Class and the remaining 70% as 2nd Class.

5.0 Revetment and apron works:

- I) The size of stone for the volume range (0.015 to 0.030 Cum) shall not be less than (0.30 X 0.30 X 0.15 to 0.30 X 0.225 X 0.225m)
- II) The size of stone for the volume range (0.011 to 0.015 Cum) shall not be less than (0.30 X 0.225 X 0.15 to 0.225 X 0.225 X 0.225 m)
- III) The rate of labour component as per the standard data book is to be adopted for revetment work only. However for apron work Rs. 3.00 per cum. should be deducted.
- IV) For the labour for the “**Rock Toe**” shall be taken as 2/3rd of the labour charges of revetment as Chief Engineer, Circular No. P3/ OT2/ T3/ 65167/78, Dt: 19.03.1980.

6.0 Deep cuts:

Deep cuts are defined as reaches of canal where excavation in all soils is for a depth of excavation 6m and more. The following increase over normal rates is permitted in deep cuts on a graded basis.

- I) Up to 6 m excavation: The S. S. R. of corresponding classification of earth work excavation is applicable.
- II) Beyond 6 m and up to 9 m excavation - 9% extra
- III) Beyond 9 m and up to 12 m excavation - 12% extra
- IV) Beyond 12 m and up to 16 m excavation - 15% extra
- V) Beyond 16 m and up to 30 m excavation - 20% extra
- VI) Beyond 30 m excavation - 40% extra

NOTE: 1) The extra percentage is only on basic rate. 2) The above percentages are not applicable for “**LEADS & LIFTS**”. 3) The above extra percentages are to be allowed only on items excluding the blasting component which may be taken as 1/3 of the rate.

7.0 The conveyance of bitumen for bulk and packed may be admitted as follows:

Packed	---	Rs.	1.75per Km/ MT
Bulk	---	Rs.	1.50 per Km/ MT (round the trip)

8.0 SEIGNIORAGE CHARGES:

Seigniorage charges for materials as fixed by the Government in G.O.Ms.No.198 (industries and commerce department), dated 13.08.2009 may be added in the data of rates in the estimate. In case of revision, the revised rates as fixed by Mines and Geology Department have to be adopted.

9.0 EARTH WORK EXCAVATION BY MACHINERY:

For items of Earth work excavation by machinery, the rates shall be adopted as per Road & Bridge works (Part-2) of A.P. Revised Standard data.

LABOUR RATES

LABOUR RATES

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
		(A) SKILLED WORKMEN		
		First Class		
1	a	Mason and stone Cutter	Day	315.00
2	b	Brick Layer	Day	315.00
3	c	Carpenter	Day	315.00
4	d	Painter	Day	350.00
5	e	Plumber	Day	350.00
6	f	Welder	Day	315.00
7	g	Fitter	Day	315.00
8	h	Electrician	Day	355.00
9	l	Cook	Day	300.00
10	2	Mechanic	Day	315.00
11	3	Rigger	Day	315.00
12	4	Rigger Syrang	Day	315.00
13	5	Well Sinker	Day	315.00
14	6	Blaster	Day	355.00
15	7	Tipper and Heavy Vehicle Driver above 12 T	Day	355.00
16		Tanker and Medium Vehicle Driver (7.5 T to 12 T)	Day	315.00
17		Tanker and Light Vehicle Driver up to 7.5 T	Day	250.00
18		Wagon Drill Operator upto 7.5 T	Day	315.00
19	8	Lorry and Heavy Vehicle Driver above 12 T	Day	355.00
20		Road Roller Driver (7.5 T to 12 T)	Day	315.00
21		Road Roller Driver up to 7.5 T	Day	250.00
22	9	Tractor Driver above 12 T	Day	355.00
23		Tractor Driver (7.5 T to 12 T)	Day	315.00
24		Tractor Driver up to 7.5 T	Day	250.00
		<u>Operator</u>		
25	10	Pan Mixer	Day	315.00

Part II – Labour Rates -Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
26		Concrete mixer	Day	315.00
27		Vibrator	Day	315.00
28		Compressor	Day	315.00
29		Jack Hammer	Day	315.00
30		Driller	Day	315.00
31		Boring Maisthry	Day	315.00
32	11	Pump Operator	Day	315.00
33	12	Turner Grade-I	Day	315.00
34	13	Wireless Operator	Day	350.00
35	14	Assistant Wireless Operator	Day	285.00
36	15	Jeep Driver	Day	355.00
37	16	Work inspector with I.T.I qualification	Day	350.00
38	17	Work Inspector with LCE, LME, L.E.E Qualification	Day	450.00
39	18	Work Inspector with B.E (Civil, Mechanical and Electrical qualification)	Day	600.00
40	19	Work Inspector with Non-technical qualification SSLC / SSC / HSC	Day	300.00
41	20	Mason Spl. Grade for Mossaic and Polished shahabad stone floor	Day	315.00
42	21a(i)	Typist / Job Typist	Day	350.00
	a(ii)	Computer Operator	Day	400.00
	b	“CAD Operator with Diploma in Engineering/General Degree with CAD certificate”.	Day	500.00
	(B) SEMI-SKILLED WORKMEN			
		SECOND CLASS		
43	1	Mason	Day	285.00
44	b	Brick Layer and Stone Cutter	Day	285.00
45	c	Carpenter	Day	285.00
46	d	Painter	Day	300.00
47	e	Plumber	Day	285.00
48	f	Blacksmith	Day	285.00
49	g	Welder	Day	285.00
50	h	Fitter	Day	285.00
51	l	Electrician	Day	285.00

Part II – Labour Rates -Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
52	2	Caulker	Day	285.00
53	3	Bar bender	Day	285.00
54	4	Tinker	Day	285.00
55	5	Sawyer	Day	285.00
56	6	Brick-Moulder	Day	285.00
57	7	Pot-tile turner	Day	285.00
58	8	Pan -tile turner	Day	285.00
59	9	Brick and Lime Kiln man /Glazzer	Day	285.00
60	10	Telephone Operator	Day	350.00
61	11	Hand Driller	Day	285.00
62	12	Quarry man	Day	285.00
63	13	Hammer man	Day	285.00
64	14	Thatcher	Day	285.00
65	15	Fireman	Day	285.00
66	16	Cleaner/Helper	Day	285.00
67	17	Stone Packer	Day	285.00
68	18	Jawali	Day	285.00
69	19	Ex-Service man / Goorkha watchman	Day	250.00
70	20	Ratton worker	Day	285.00
71	21	Mate	Day	285.00
(C) UNSKILLED WORKMEN				
72	1	Head mazdoor(Mukaddar)	Day	250.00
73	2	Man mazdoor	Day	250.00
74	3	Watch man	Day	250.00
75	4	Picottah man	Day	Deleted
76	5	Woman Mazdoor	Day	250.00
77	6(a)	Casual labour on loading & Un-loading operations	Day	Deleted
78	6(b)	Helpers/Cleaners/Sweepers/Scavangers/Choukidaars/Security Guards/Office Boys	Day	250.00
79	NOTE: Whenever unskilled workmen are engaged for cleaning of Sewers & Septic Tanks, they may be paid double of the above wages.			

Part II – Labour Rates -Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
		(D) OTHER CONVEYANCE ITEMS		
80	1	Single bullock with driver and cart	Day	310.00
81	2	Bullock pair with driver	Day	315.00
82	3	Bullock pair with driver and cart	Day	330.00
83	4	Bullock pair with driver and cart with Pneumatic tyres	Day	349.00
84	5	Bullock pair with driver and kapila	Day	Deleted
85	6	Nava with crew	Day	300.00
86	7	Punt thundal	Day	228.00
87	8	Punt lascar	Day	228.00
88	9	Punt boy lascar	Day	Deleted

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 only.

MATERIAL & WORK ITEM RATES

RATES OF MATERIALS & WORK ITEMS

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
		(A) STONE AND ROAD MATERIALS		
		i) The rates are quarry prices		
		ii) The rates are excluding seignorage charges		
		iii) Add conveyance charges as per statement of lead charges as admissible		
		ROUGH STONE QUARRIED INCLUDING WEDGING, BREAKING, BURNING, SPLITTING AND STACKING		
1	22.a	For R.R Masonry Work (other than Granite, Dolomite and Trap)	1 cum	145.00
2	b.i	For SS Revetment work 225 mm	1 cum	116.70
3	b.ii	For SS Revetment work 300 mm	1 cum	136.00
4	b.iii	For SS Revetment work 450 mm	1 cum	124.00
5	C	Jeddy Stone above 450 mm to 600 mm	1 cum	171.00
6	d I.	Laterite for revetment 225 mm	1 cum	107.00
7	d II.	Laterite for revetment 300 mm	1 cum	124.00
8	d.iii	Granite for SS revetment 225 mm	1 cum	128.00
9	d.iv	Granite for SS revetment 300 mm	1 cum	147.00
		Note: - Only when other granite is not available		
10	E	Laterite for masonry	1 cum	124.00
11	F	Cyclopean stones above 0.2 cum	1 cum	229.00
12	G	For R.R. Masonry works (granite, dolomite and trap variety)	1 cum	213.00
13		NOTE:- For items 22(a) to 22(c) and 22(g) add extra Rs /cum, wherever quarrying is done by blasting	1 cum	70.00
		COURSED RUBBLE STONE QUARRYING WEDGING, BREAKING, BURNING AND SPLITTING INCLUDING STACKING FOR SS FIRST SORT WORKS		
14	23.a	Granite, Dolomite and trap	1 cum	235.00
15	B	For other varieties	1 cum	167.00
16	27	Granite stone slabs for culverts, lintels and copings (3 faces dressed coursed rubble masonry)	1 cum	1536.00
17		NOTE: - For items 23(a), 23(b) and 27 add extra Rs. Per Cum, wherever quarrying is done by blasting	1 cum	70.00
18	28	Bond stones (600 x 200 x 200 mm)	each	27.00

Part II – Material & Work Item Rates -Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
19	B	Chainage stones and Centre line stones (750x150x150xmm)	each	33.00
20	31	Demarcation Stones (900 x 150 x 150 mm)	each	63.00
21	32.a	Guard Stones (1200 x 200 x 200 mm)	each	94.00
22	B	Guide Stones (800 x 150 x150 mm)	each	63.00
23	C	Carving letters and figures in stone up to 100 mm size	each	6.00
24	D	Carving letters and figures in stone above 100 mm size	each	8.00
		HARD BROKEN STONE OF GRANITE, TRAP AND DOLERITE FREE FROM DUST OBTAINED BY QUARRYING, WEDGING, BREAKING, BURNING AND SPLITTING INCLUDING STACKING.		
25	33.a	- do - 6mm size (SS 5)	1 cum	454.00
26	b	- do - 10mm size (SS 5)	1 cum	593.00
27	c	- do - 12mm size (SS 5)	1 cum	727.00
28	d	- do - 20mm size (SS 5)	1 cum	891.00
29	e	- do - 25mm size (SS 5)	1 cum	874.00
30	f	- do - 40mm size (SS 5)	1 cum	530.00
31	g	- do - 50mm size (SS 5)	1 cum	410.00
32	h	- do - 60mm size (SS 5)	1 cum	378.00
33	l	- do - 65mm size (SS 5)	1 cum	341.00
34	j	- do - 75mm size (SS 5)	1 cum	273.00
35	k	- do - 75 to 100mm size (SS 5)	1 cum	221.00
36		NOTE:- (1) Add extra Rs. /- per cum for items 33 (a) to 33 (k) if the metal is obtained by blasting		70.00
37		(2) Add 25% extra per cum if the metal is obtained by machine crushing excluding cost of blasting.		25%
38		(3) Deduct Rs. /- per cum if the metal or rubble is obtained from surface stone and boulders.		9.00
39		(4) Add Rs. /- per cum for selection of stones and boulders from excavated spoil dumps for items 33a to 33k, when this addition of Rs. /- per Cum is allowed, deduction of Rs. /- per Cum mentioned under Note (3) above should invariably be made.		15.00 9.00

Part II – Material & Work Item Rates -Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
		SOFT BROKEN STONE SCREENED AND FREE FROM DUST INCLUDING STACKING		
40	33.l	- do - 40 mm size (SS 5)	1 Cum	110.00
41	33.m	- do - 50 mm size (SS 5)	1 Cum	100.00
42	33.n	- do - 60 mm size (SS 5)	1 Cum	79.00
43	33.o	- do - 65 mm size (SS 5)	1 Cum	70.00
44	33.p	- do - 75 mm size (SS 5)	1 Cum	66.00
		HARD BROKEN STONE OF GRANITE TRAP DOLERITE AND DOLAMITE FREE FROM DUST OBTAINED BY QUARRYING WEDGING, BREAKING, BURNING AND SPLITTING INCLUDING STACKING (QUARTZITE AND BASALT WITH AGGREGATE IMPACT OF LESS THAN 20)		
45	33a	-do- 2.36 to 5 mm size (IRC&MORTH)	1 cum	278.00
46	b	-do- 5 to 7 mm size (IRC&MORTH)	1 cum	452.00
47	c	-do- 9.5 to 11.2 mm size (IRC&MORTH)	1 cum	593.00
48	d	-do- 12 mm to 14 mm size (IRC & MORTH)	1 cum	727.00
49	e	-do- 19 mm to 22 mm size (IRC & MORTH)	1 cum	998.00
50	f	-do- 25 mm to 27 mm size (IRC & MORTH)	1 cum	874.00
51	g	-do- 40 mm to 45 mm size (IRC & MORTH)	1 cum	530.00
52	h	-do- 50 mm to 55 mm size (IRC & MORTH)	1 cum	410.00
53	i	-do- 60 mm to 63 mm size (IRC & MORTH)	1 cum	378.00
54	j	-do- 65 mm size (IRC & MORTH)	1 cum	341.00
55	k	-do- 75 mm size (IRC & MORTH)	1 cum	273.00
56	1	NOTE:- Add extra Rs. /- per cum for items 33 (a) to 33 (j) if the metal is obtained by blasting	1 cum	70.00
57	2	Add 25% extra per cum if the metal is obtained by machine crushing excluding cost of blasting.	1 cum	25%
58	3	Deduct Rs. /- per cum if the metal or rubble is obtained from surface stones and boulders	1 cum	9.00
59	4	Add Rs. /- per cum for selection of stones and boulders from excavated soil dumps for items 33 (a) to 33 (k), when this addition of Rs. /- per cum allowed deduction of Rs. /- per cum mentioned under note (3) above should invariably be made	1 cum	15.00 9.00

Part II – Material & Work Item Rates -Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
		HARD BROKEN STONE OTHER THAN GRANITE SUCH AS QUARTZ, QUARTZ-NAPA AND BASALT SCREENED AND FREE FROM DUST INCLUDING STACKING		
60	33.q	-do- 10 mm size (SS 5)	1 Cum	348.00
61		-do- 9.5 mm to 11.2 mm size (IRC & MORTH)	1 Cum	348.00
62	r	-do- 12 mm size (SS 5)	1 Cum	326.00
63		-do- 12mm to 14 mm size (IRC & MORTH)	1 Cum	326.00
64	S	-do- 20 mm size (SS 5)	1 Cum	264.00
65		-do- 19 mm to 22 mm size (IRC & MORTH)	1 Cum	264.00
66	T	-do- 25 mm size (SS 5)	1 Cum	259.00
67	U	-do- 40 mm size (SS 5)	1 Cum	153.00
68		-do- 40 mm to 45 mm size (IRC & MORTH)	1 Cum	153.00
69	V	-do- 50 mm size (SS 5)	1 Cum	135.00
70		-do- 50 mm to 55 mm size (IRC & MORTH)	1 Cum	135.00
71	33.w	-do- 65 mm size (SS 5)	1 Cum	128.00
72		-do- 60 mm to 65 mm size (IRC & MORTH)	1 Cum	128.00
73	X	-do- 75 mm size (SS 5)	1 Cum	106.00
74		-do- 75 mm size (IRC & MORTH)	1 Cum	106.00
75	Y	-do- 75 to 100 mm size (SS 5)	1 Cum	84.00
76		-do- 75 to 100 mm (IRC& MORTH)	1 Cum	84.00
		OTHER ITEMS INCLUDING STACKING		
77	33.z1	Laterite 40 to 75 mm (ring)	1 Cum	92.00
78	z2	Kankar, hard broken kankar 40 to 75 mm (ring)	1 Cum	69.00
79	z3	Soling stone of 150 mm size of granite, trap and Dolomite varieties.	1 Cum	86.00
80		NOTE:- (1) Add extra for items to 33(z3) Rs /- Per cum, wherever quarrying is done by blasting. (2) Wherever controlled blasting is resorted to the Chief Engineer concerned shall approve the observed data in support of SS item No. 22 a to 22 c , 22g, 23	1 Cum	70.00
81	z4	Soling stone of 150 mm size other than granite variety	1 Cum	60.00
82	z5	Soling Stone laterite, Kankar 150mm, surface stone	1 Cum	37.00
83	z6	Field picked metal unbroken 20 mm size	1 Cum	50.00

Part II – Material & Work Item Rates -Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
84	z7	- do - 25 mm size	1 Cum	39.00
85	z8	- do - 40 mm size	1 Cum	44.00
86	z9	- do - 50 mm size	1 Cum	39.00
87	z10	- do - 60 mm size	1 Cum	33.00
88	z11	- do - 80 mm size	1 Cum	24.00
89	NOTE:- Add Rs. /- Per Cum for selection of stone and boulders from excavated spoil dumps for items 33 (Q) TO 33 Z, when this addition of Rs. /- per Cum is allowed, deduction of Rs. /- per Cum should invariably be made towards the metal or rubble if it is obtained from surface stone and boulders.			15.00 9.00
90	34	Gravel including stacking	1 Cum	75.00
91	35 a	Quarry rubbish	1 Cum	75.00
92	B	HBG Stone Chips 2.36mm and below	1 Cum	260.00
93	36.a	Sand for mortar, ceiling coat including washing screening etc.,	1 Cum	335.00
94	B	Sand for filling and blindage	1 Cum	248.00
95	37	Clay for puddle and masonry Items 38 (a) to 39 (h) As per local prevailing rates based on competitive quotations.	1 Cum	31.00
		(C) LIME AND CEMENT		
96	40 to 41(c)			As per Local prevailing rates based on competitive rates
97	42	Cement excluding cost of empty cement bags	1 MT	The monthly rates will be communicated by Govt.
NOTE: (1) The rates are inclusive of sales tax. 2) As per the rates applicable to the District. 3) Least of the (1) and (2) above may be allowed 4) The price of cement will be reviewed and fixed on monthly basis and rates will be communicated separately.				
98	C	Grinding lime mortar or Surkhi mortar	1 Cum	85.00
99	D	Shell lime slaked and screened	1 Cum	847.00
100	E	White cement	1 Kg.	27.00
101		(D) MORTARS		
102	43 to 45	Items 43 to 45	Rates have to be worked out based on MORT&H data.	

Part II – Material & Work Item Rates - Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
		(E) METAL AND IRON WORKS		
103		Mild steel rods 6mm dia.	1 MT	The monthly rates will be communicated by Govt.
104		Mild steel flats	1 MT	
105		Mild Steel, Structural Steel, I.e., Angles, Channels and I sections.	1 MT	
106		High Yield Strength Deformed Bars/TMT bars	1 MT	
107		Mild steel plates	1 MT	
		NOTE: (1) The rates are inclusive of sales tax. 2) As per the rates applicable to the District. 3) Least of the (1) and (2) above may allowed 4) The prices of steel will be reviewed and fixed on monthly basis and rates will be communicated separately.		
		III RATES OF WORKS		
		(A) CLEARING SITE		
108	1.a	Clearing heavy Jungle	1 Sqm	2.50
109	B	Clearing light Jungle	1 Sqm	2.30
110	C	Clearing Scrub Jungle	1 Sqm	2.30
111	D	Clearing Juliflora (Prosafis) jungle including up-rooting and removing of Juliflora stumps.	1 Sqm	3.70
112	2.a.i	Cutting and removing Palmyrah trees including stacking of girth 30 to 100 cm.	Each	31.00
113	li	- do - 100 to 200 cm.	Each	48.00
114	2.b.i	Uprooting and removing Palmyrah stumps including stacking of girth 30 to 100 cm.	Each	34.00
115	li	- do - 100 to 200 cm.	Each	52.00
116	2.c.i	Cutting and removing date trees including stacking of girth 30 to 100 cm	Each	20.00
117	li	- do - 100 to 200 cm	Each	31.00
118	d.i	Uprooting and removing stumps of date trees including stacking of girth 30 to 100 cm	Each	20.00
119	li	- do - 100 to 200 cm	Each	27.00
120	e i	Cutting and removing other kind of trees including stacking of girth 30 to 100 cm	Each	27.00
121	li	- do - 100 to 200 cm	Each	42.00
122	iii	- do - above 200 cm	Each	69.00
123	f.i	Uprooting and removing stumps of other kind of trees including stacking of girth 30 to 100 cm.	Each	20.00
124	li	- do - 100 to 200 cm	Each	29.00
125	iii	- do - above 200 cm	Each	39.00

Part II – Material & Work Item Rates -Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
126	3.a	Uprooting and clearing prickly pear jungle	1 Sqm	2.10
127	B	- do - under 2.5 meters height including burning and burrying as directed.	1 Sqm	2.70
128	C	- do - over 2.5 meters height including burning and burrying with an initital lead of conveyance	1 Sqm	3.20
129	4.a	Removing of natchu, goobi, thooti etc., from drains, channels including clearance if not more than 1 metre depth of water with an initial lead of 10 metresand lift of 2 metres.	1 Sqm	1.70
130	b.i	Clearing alchi, tilla	1 Sqm	3.20
131	b.ii	Removal of Jammu	1 Sqm	2.80
132	c.i	Removal of imponea, cornea	1 Sqm	3.20
133	c.ii	Removal of water hyacinth upto 30 cm thick.	1 Sqm	3.30
134	c.iii	- do - more than 30 cm thick	1 Sqm	4.50
135	D	Removal of natchu, goobi, thooti etc., for every extra lead or lift over the initial lead or lift.	1 Sqm	1.10
		(B) DISMANTLING		
	5	DISMANTLING, CLEARING AWAY AND CAREFULLY STACKING MATERIALS USEFUL FOR REUSE.		
136	n.(i)	Dry rough stone revetment for aprons and stacking within 40 metres	1 cum	55.30
	7	Drilling holes in hard granite or sheet rock		
	a)	Manually (Hand)		
137	i)	20 mm dia meter	1 RM	107.00
138	ii)	25 mm dia meter	1 RM	116.00
139	iii)	36 mm dia meter	1 RM	133.00
140	b)	Pneumatic Compressor		
141	i)	20 mm dia meter	1 RM	124.00
142	ii)	25 mm dia meter	1 RM	135.00
143	iii)	36 mm dia meter	1 RM	148.00
	8	Grouting the holes with neat cement slurry excluding cost of steel		
144	i)	20 mm dia meter	1 RM	79.00
145	ii)	25 mm dia meter	1 RM	99.00
146	iii)	36 mm dia meter	1 RM	123.00

Part II – Material & Work Item Rates -Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
		White Washing and Painting works		
147	A I	White washing and colour banding for guard and guide stones including cost of materials	each	7.10
148	B I	Screening sand and gravel	1 cum	6.90
149	B 2	Screening chips and metal	1 cum	14.40
150	C 1	Removing and refixing Hectometre or Demarcation stones	each	10.40
		(S) ROAD WORK ITEMS		
		PICKING OLD METALLED SURFACE TO DEPTH OF 40 TO 100 mm SPREADING OLD METAL AND NEW METAL SECTIONING INCLUDING EDGE BUNDS AND SUBGRADE ROLLING, SPREADING METAL INCLUDING BLINDAGE OF GRAVEL WATERING WITH AN INITIAL LEAD OF 2 HECTOMETERS AND HAND ROLLER (1.5 TO 2 TONNES) ROLLING ETC., INCLUDING BARRICADING, DIVERSION OF TRAFFIC AND WETTING THE NEW CONSOLIDATION FOR A FORTNIGHT COMPLETE		
		(For a compact thickness)		
	1 (I)	HARD METAL		
151	A	40 mm thickness	10 sqm	62.50
152	B	50 mm thickness	10 sqm	65.90
153	C	75 mm thickness	10 sqm	71.70
154	D	100 mm thickness	10 sqm	77.70
155	1 (ii)	(For compact thickness of soft metal)		
156	A	50 mm thickness	10 sqm	47.90
157	B	75 mm thickness	10 sqm	57.20
158	C	100 mm thickness	10 sqm	62.20

Part II – Material & Work Item Rates -Common SoR 2012-13

Sl. No.	S.S. Item No.	Description	Unit (per)	SoRate for 2012-13
1	2	3	4	5
	5	Picking old metalled surface to a depth of 40 to 100 mm and spreading metal including watering with an initial lead of 2 Hectometers and rolling with power rollers watering and spreading gravel for blindage and power roller rolling including hire charges of power roller(8 to 10 T) barricading and diversion of traffic and wetting the new consolidation for a fortnight(for compacted thickness of)		
		HARD METAL		
159	5 (a)	40 mm thick ness	10 sqm	164.70
160	(b)	50 mm thick ness	10 sqm	186.70
161	(c)	75 mm thick ness	10 sqm	205.70
162	(d)	100 mm thick ness	10 sqm	221.30
163	(e)	150 mm thick excluding hire charges	10 sqm	396.30
164		Gelatin(For MORTH data, for works of state & national high ways only)	Per Kg	65.60
165		Electric Detonators(For MORTH data, for works of state & national high ways only)	each	3.30
166		Hot applied thermoplastic compound(For MORTH data, for works of state & national high ways only)	Per Litre	218.70
167		Reflectionising glass beads of 2 mm thick(For MORTH data, for works of state & national high ways only)	Per Kg	71.10
168		Road marking paint confirming to IS 164(For MORTH data, for works of state & national high ways only)	Per Kg	174.90
169	n	Labour charges for laying filters with coarse aggregate.	1 cum	49.10
170	o	Labour charges for laying filter with sand.	1 cum	27.30
		New Items.		
171		Fly Ash	1 cum	Deleted
172		Binding wire	1 Kg.	65.00

CONVEYANCE CHARGES OF MATERIALS

CONVEYANCE CHARGES OF MATERIALS AS PER SoR 2012-13

(COMMON TO ALL DEPARTMENTS).

**LEAD, LIFT, LOADING AND UNLOADING CHARGES FOR MATERIALS
FOR THE YEAR: 2012-13**

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

**A. (LEAD) CONVEYANCE CHARGES FOR MATERIALS BY HEAD LOAD
FOR THE YEAR: 2012-13**

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	40.70	23.80	51.80
3	Total lead up to 150 m	81.40	47.50	103.60

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

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

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

**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: 2012-13

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

Sl No.	Distance	(Lead) charges for trucks and tippers for Earth / Sand /Gravel / Murrum/ Lime/ Surki/ per cu.meter	(Lead) charges for trucks and tippers for Rubble/Size stones/ Cut Stones/ Coarse aggregate per cu.meter	(Lead) charges for trucks and tippers for Cement/ Steel/ RCC poles/ AC & GI sheets/ Packed materials/tonne	(Lead) charges for trucks and tippers per cu.meter for PCC slabs/ Shahabad slabs/ CC & Laterite blocks/ Wood/ cum	(Lead) charges for trucks and tippers per cu.meter water/ 1000 litres	(Lead) charges for trucks per 1000 nos of Bricks
1	2	3	4	5	6	7	8
1	Lead up to 1 km	28.00	26.70	16.70	39.30	16.40	44.50
2	Lead up to 2 km	39.20	37.40	23.40	55.00	22.90	62.30
3	Lead up to 3 km	52.20	52.20	32.70	76.80	30.50	83.10
4	Lead up to 4 km	63.40	63.40	39.60	93.30	37.10	100.90
5	Lead up to 5 km	74.60	74.60	46.60	109.70	43.60	118.70
6	for Every km beyond 5 km up to 30 km	11.20	11.20	7.00	16.50	6.50	17.80
7	for Every km beyond 30 km	9.30	9.30	5.80	13.70	5.50	14.80

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

**F. 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	13.50	27.10	44.70	53.60	37.30
2	Unloading	6.75	13.55	44.70	53.60	37.30

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

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

Sl No.	Description of item	Earth / Sand /Gravel Murrum/ / Surki/ Rs / cum	Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum	cement in Rs/tonne	steel in Rs./tonne	brick work Rs/1000 No
1	2	3	4	5	6	7
1	Loading	94.40	108.00	133.70	142.60	184.10
2	Unloading	33.60	54.00	133.70	142.60	184.10

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

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

Sl No.	Description of item	Earth / Sand /Gravel Murrum/ / Surki/ Rs / cum	Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum
1	2	3	4
1	Loading	47.50	95.00
2	Unloading	14.10	14.10

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

G. LIFT CHARGES FOR MATERIALS BY HEAD LOAD

Sl No.	Total lift (Total lift includes initial lift)	Earth / Sand /Gravel Murrum/ Lime/ Surki/ Size stone / Cut stone Rubble / Coarse aggregate Rs / cum	Cement / Reinforce-ment steel Str steel Rs / tonne	PCC slab/ Shahbad slab / CC block/ BS slab / Laterite / Wood Rs / cum
1	2	3	4	5
1	Total lift up to 3 m (covered by item rate)	Initial lift	Initial lift	Initial lift
2	For Every 1.00 Lift beyond initial lift of 3 meters	4.80	3.40	6.30

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

**HIRE CHARGES OF
PLANT AND MACHINERY
FOR ROAD & BRIDGE WORKS**

HIRE CHARGES OF PLANT& MACHNIERY FOR ROAD & BRIDGE WORKS FOR THE YEAR 2011-12

Sl. No.	Description		Unit	SoRate for 2012- 13
	Machine	Activity		(Rupees)
1	2	3	4	5
1	Dozer(D 80)	Spreading	Per Hour	2398.80
		Cutting		
		Cleaning		
2	Mortor Grader	Clearing	Per Hour	2797.00
		Spreading		
		GSB		
		WMM		
3	Hydraulic Excavator	Soil Ordinary	Per Hour	2600.30
		Soil Marshy		
		Soil unsuitable		
4	Front end loader	Soil loading	Per Hour	1431.00
		Aggregate loading	Per Hour	
5	Tipper- 5.5 Cum	Transportation of soil, GSB,WMM, Hot mix etc	Per Hour	818.30
			Per tonne Km	
			Per Km	
6	Vibratory roller 8 tonne	Earth/Soil, GSB,	Per Hour	2384.90
		WMM		
7	Smooth wheeled roller 8 tonne	Soil compaction ,BM compaction	Per Hour	920.60
8	Water tanker 6 Kilolitre	Water transport	Per Hour	372.00
9	Tractor	Pulling	Per Hour	361.00
10	Tractor with rotavator	Scarifying	Per Hour	367.00
11	Tractor with ripper attachment	Scarifying	Per Hour	367.00
12	Air Compressor	General purpose	Per Hour	402.00
13	Wet mix plant 60 TPH	Wet mix	Per Hour	1431.00
14	Mechanical broom Hydraulic	Surface cleaning	Per Hour	310.00
15	Bitumen Pressure Distributor	Applying bitumen tack coat	Per Hour	1016.00
16	Emulsion Pressure Distributor	Applying emulsion tack coat	Per Hour	748.00
17	Hot mix Plant – 120 TPH capacity	DBM/BM/SDC	Per Hour	24500.00
		/Premix		

Part II – Hire Charges of Plant and Machinery -Common SoR 2012-13

Sl. No.	Description		Unit	SoRate for 2012-13
	Machine	Activity		(Rupees)
1	2	3	4	5
18	Hot mix Plant – 100 TPH capacity	DBM/BM/SDC /Premix	Per Hour	21018.00
19	Hot mix Plant – 60 TPH capacity	DBM/BM/SDC /Premix	Per Hour	18842.00
20	Hot mix Plant – 40 to 60 TPH capacity	DBM/BM/SDC /Premix	Per Hour	16626.00
21	Paver Finisher Hydrostatic with sensor control 100 TPH	DBM/BM/SDC /Premix	Per Hour	2664.00
22	Paver finisher Mechanical 100	Paving of WMM, paving of DLC	Per Hour	1183.00
23	Hydraulic Chip Spreader	Surface dressing	Per Hour	2232.00
24	Tandem Road roller	Rolling of Asphaltic surface	Per Hour	1431.00
25	Pneumatic Road roller	Rolling of Asphaltic surface	Per Hour	1116.00
26	Pot-Hole repair machine	Repair of pot-holes	Per Hour	797.00
27	Bitumen boiler oil fired	Bitumen Spraying	Per Hour	182.00
28	GSB Plant 50 Cum	Producing GSB	Per Hour	991.00
29	Mastic Cooker	Mastic wearing coat	Per Hour	56.00
30	Batching and Mixing Plant (a) 30 Cum capacity	Concrete mixing	Per Hour	2291.00
	(b) 15 - 20 Cum capacity	Concrete mixing	Per Hour	1796.00
31	Transit mixer	Transportation of concrete mix	Per Hour	1669.80
32	Concrete pump of 45 and 30 cum	Pumping of Concrete	Per Hour	698.00
33	Cranes			
	(a) 80 tonnes	Lifting purpose	Per Hour	1018.00
	(b) 35 tonnes			688.00
	(c) 3 tonnes			306.00
	(d)Crane with grab bucket 0.75 cum	Well foundation	Per Hour	1878.00
	(e)Crane with grab bucket 1 cum	Well foundation	Per Hour	3071.00
34	Concrete bucket	For pouring concrete	Per Hour	16.60
35	Kerb casting machine	Kerb making	Per Hour	268.00
36	Concrete mixer	Concrete mixing	Per Hour	370.00
	(a)0.28 cum			

Part II – Hire Charges of Plant and Machinery -Common SoR 2012-13

Sl. No.	Description		Unit	SoRate for 2012-13
	Machine	Activity		(Rupees)
1	2	3	4	5
	(b) 1.0 cum	Concrete mixing	Per Hour	564.00
37	Piling rig with bantonite pump	0.75 m dia to 1.20 m dia boring attachment	Per Hour	4761.00
38	Concrete paver finisher with 40 HP motor	Paving of concrete surface	Per Hour	2522.00
39	Integrated stone crusher	Crushing of spalls 100 TPH	Per Hour	7576.00
		Crushing of spalls 200 TPH	Per Hour	15973.00
40	Pre stressing jack with pump and access	Stressing of steel wires/ stands	Per Hour	120.00
41	Generator			
	250 KVA	Generation of electric energy	per hour	1609.00
	125 KVA		per hour	1148.00
	100 KVA		per hour	979.00
	35 KVA		per hour	664.00
42	Pneumatic sinking of Plants	Pneumatic sinking of wells	Per K.m.	3892.00
43	Truck 5.5 cum per 10 tonnes	Material transport	Per Km.	49.00
		Material transport	Per tonne per km	5.00
44	Road marking machine	Road marking	Per Hour	97.00
45	Mobile slurry seal equipment	Mixing and laying slurry seal	Per Hour	979.00
46	Plate compacter	For compacting in medians	Per Hour	42.00
47	Drilling equipment	For drilling	Per Hour	1104.00
Note: The above hire charges of machinery & plant includes crew, oils, conveyance of machinery to site and all other incidental charges.				

GOVERNMENT OF ANDHRA PRADESH



BUILDINGS – SoR: 2012-2013

COMMITTEE OF CHIEF ENGINEERS

Procs.No. CEB/TA8/AEE3/B-SoR: 2012-13

Dt: 05-09-2012.

Sub:- Printing of Buildings-SoR for all the Engineering Departments specific to the functioning of Building works – Buildings-SoR:2012-13 – Communication of Buildings-SoR – Reg.,

Ref:- 1. G.O.Rt.No.471, T,R&B (R.1) Dept., dt:20-04-2007.
2. Minutes of Committee of Chief Engineers meeting for Building-SoRs held on Dt: 05-09-2012.

* * * * *

The Government of Andhra Pradesh have constituted a Committee of Chief Engineers of Engineering departments dealing with Building works for finalizing and communicating Buildings-SoR (Civil & Electrical) vide G.O. 1st cited. In accordance therewith the Committee of Chief Engineers has finalized and approved the Buildings-SoR: 2012-13 in the Minutes of Meeting held on 05-09-2012.

The rates for the Building items (Civil, Water Supply & Sanitary and Electrical items) are to be followed henceforth by all the concerned departments for building works. The rates of Labour Rates, Common Material & Work items, Public Health items, Conveyance Rates of Materials & Hire charges of Common SoR-2012-13 remain unchanged. No other items other than the items communicated in this Buildings-SoR shall be introduced.

The Heads of Departments mentioned below are authorized to print the Buildings-SoR: 2012-13. The unauthorized printing & selling of the Buildings-SoR is strictly prohibited.

The revised rates will come into force with immediate effect.

The receipt of the proceedings may please be acknowledged.

Enclosed: Buildings SoR: 2012-13-CD as above

Sri. G. Ramakrishna Kumar
Chief Engineer (R&B) Buildings
Convener-Member,
Committee of Chief Engineers-Buildings-SoR

To

1. Engineer-in-Chief (Admn. & NH), Roads & Buildings Department, Errummanzil, Hyderabad-82 with a request to keep the same in R&B website.
2. Engineer-in-Chief (IW)I&CAD, Irrigation Department, Errummanzil, Hyderabad-82.
3. Engineer-in-Chief (State Roads), Roads & Buildings Department, Errummanzil, Hyderabad-82.
4. Engineer-in-Chief (Rural Roads) R&B Department, Errummanzil, Hyderabad-82.
5. Chief Engineer (QC), R&B Department, Errummanzil, Hyderabad-82.
6. Chief Engineer (R&B) (Designs), R&B Department, Errummanzil, Hyderabad-82.
7. Chief Engineer, P.H.. Department, A,C, Guards, Hyderabad-4.
8. Engineer-in-Chief (P.R.), Panchayat Raj Department, Errummanzil, Hyderabad-82.
9. Engineer-in-Chief, Tribal Welfare & Social Welfare Department, DSS Bhavan, Masab tank, Hyderabad.
10. Engineer-in-Chief, Greater Hyderabad Corporation (GHMC), CC Complex, Tankbund Rd., Hyderabad
11. Chief Engineer (AP Housing Board) Gruhakalpa, Nampally, Hyderabad
12. Chief Engineer (Housing Corporation) Urdugally, Himayatnagar, Hyderabad
13. Chief Engineer(APSRTC), RTC 'X' Roads, Musheerabad, Hyderabad.
14. Chief Engineer(APMSIDC), IIIrd Floor, DM&HS Campus, Sultanbazar, Koti, Hyderabad.
15. Chief Engineer (AP Police Housing & Welfare Corporation), Lakdi-ka-pool, Hyderabad.
16. Superintending Engineer (R&B), Head Quarters Circle, Khairatabad, Hyderabad
17. Superintending Engineer (R&B), Electrical Circle, Errummanzil, Hyderabad-82.

SCHEDULE OF RATES
FOR
BUILDING WORKS

FOR THE YEAR 2012-2013
(Effective from 1st June, 2012)

ALL ENGINEERING
DEPARTMENTS

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

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PREAMBLE

1.0 INTRODUCTION

The Government have issued orders vide G.O. Rt. No: 471 TR&B (R-1) Dept., Dt. 20.4.2007 constituting a Committee comprising of Chief Engineers of departments in-charge of execution of building works for finalization of Standard Schedule of Rates for Buildings (Electrical & Civil). The 5th meeting of the above “SoR Committee for Buildings (Civil & Electrical)” was convened on 5.9.2012 with an objective to finalize and release the Buildings-SoR: 2012-13.

2.0 APPLICABILITY OF COMMON SoR – 2012-13

The rates of labour, common materials & work items, Public Health items, conveyance rates of materials & hire charges approved and published in Common SoR-2012-13 remain applicable. The specifications, stipulations & all other conditions of Common-SoR other than those specified in this context remain applicable.

3.0 OVERHEADS & CONTRACTORS PROFIT

- a. The provision of ‘Over Heads and Contractor’s Profit @ 14%’ as approved by the BoCE’s in Common SoR-2012-13 is retained for the building works also.
- b. It is reiterated that the provision of ‘over heads and contractor’s profit’ is a part of the AP. Revised standard data approved by the Government in G.O.Ms.No.49 I&CAD (PW-Reforms) Dept., dated: 02-03-2009 and this component shall be operative on all the data items of the estimates and rates of the finished items published in Buildings SoR for original works subjected to the fulfillment of the conditions given below:
 - i. Site accommodation, setting up plant, access road, water supply, electricity and general site arrangements.
 - ii. Office furniture, equipment and communications.
 - iii. Expenditure on:
 - a) Corporate office of contractor.
 - b) Technical agents for site supervision. (Reimbursement to the technical agents provision is dispensed with where ‘over heads and contractor’s profit’ provision is included in the data rates)
 - c) Documentation and “as built” drawings.
 - d) Mobilization/ de-mobilization of resources. (Payment of mobilization advances shall be dispensed with where ‘over heads and contractor’s profit’ provision is included in the data rates)
 - e) Labour camps with minimum amenities and transportation to work sites.

- f) Light vehicles for site supervision including administrative and managerial requirements.
- g) Laboratory equipment and quality control including field and laboratory testing. (For all the works costing more than Rs. 2.00 Crores contractors have to establish Quality Control laboratory)
- h) Minor T & P and survey instruments and setting outworks, including verification of line, dimensions, etc.
- i) Watch and ward.
- j) Traffic management/ Safety management during construction.
- k) Expenditure on safeguarding environment.
- iv. Sundries
- v. Financing Expenditure
- vi. Sales/ Turn over tax (This is a material VAT component only, however the provision towards Works Contract Value Added Tax at 5% on the finished work items as defined in APVAT Act-2005 shall be added in the estimates)
- vii. Work Insurance/ compensation (Reimbursement to the work insurance provision is dispensed with where 'over heads and contractor's profit' provision is included in the data rates)

4.0 OTHER GUIDELINES

- a) The estimate preparing authorities are advised to allow relevant Municipal Area Allowance or any such allowance on the labour components of civil, water supply & sanitary items wherever applicable as per the guidelines and preamble of Common SoR:2012-13.
- b) The Ready Mix Concrete (RMC) supplied by the vendors/ suppliers shall be used only for the structures where 'Ordinary Concretes' as per IS: 456-2000 are stipulated.
- c) For the structures where the Standard and High Strength Concretes vide IS: 456-2000 is required, mix design shall be carried out as per IS:456. Standard data for design mixes as approved in A.P. Revised Standard data approved by the Government in G.O.Ms.No.49 I&CAD (PW-Reforms) Dept., dated: 02-03-2009 shall be followed for minimum content of cement for estimate purposes. Design mixes with cement content less than the approved/ estimated cement contents, necessary recoveries shall be effected as per the review rates published by Board of Chief Engineers. However, no extra costs shall be allowed for the cement contents more than the cement contents adopted in estimates.
- d) 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 Buildings SoR-2012-13.

- e) 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 and based on the 'Wholesale Price Indices' published by the Government of India. Similarly the Vitreous china ware, porcelain, taps & faucets, G.I Pipes, valves & fittings and PVC Pipes & fittings have been finalized.
- f) The specifications of the aggregates for sizes and gradation and its adoption shall be as per IS 383-1970 and IS 2386 (Part 1 to Part 8).
- g) No allowance towards 'Labour Importation & Labour Amenities' shall be added to the datas as they are included in the provision of 'Over heads and contractor's profit'.
- h) For sand, gravel , murum, stones , course aggregates etc, the rates are fixed for delivery at Quarry, including seigniorage (royalty) charges, loading charges by machinery / manual means and idle hire charges of machinery (as per table under chapter "conveyance or lead and lift charges") as applicable.
- i) For all the materials, the basic rates given in the Buildings SoR are 'landing prices' at the site, except where mentioned specifically.
- j) For the materials where the basic rates are mentioned as 'quarry rates' in the Buildings SoR, which includes initial lead of 1.0 km, lead charges are to be added for the lead distances from the approved quarries as applicable.
- k) The basic item rates provided in the schedule of rates include 50 m (conveyance by manual means) or 1 km (conveyance by mechanical means) as initial lead and no lead charges shall be allowed where the source of material is within the initial lead specified in item rate. Additional lead charges shall be allowed for the lead exceeding initial lead specified in the item rate.
- l) The lead charges per unit quantity for conveyance of the materials are worked out, and included in the schedule of rates in increment of 50 m for head load and in increment of 1 km for mechanical mode.
- m) The rates for lead charges by head load up to 150 meters and by machinery up to 5 km shall be cumulative and inclusive of lead charges for preceding lead.
- n) Loading and unloading charges are not payable for conveyance by head load.
- o) Loading and unloading charges are not payable for conveyance by mechanical means, for disposal of excavated material unless specified.

- p) The rates for unloading of materials except earth, sand, gravel, coarse aggregate, rubble, size stone and cut stone, are inclusive of stacking wherever applicable.
- q) Unless otherwise specified, all material rates shall be inclusive of all taxes, duties, levies, royalty/seigniorage, transportation and handling costs up to project area, but excluding 'Works Contract Tax (VAT)'.
- r) As envisaged by the High Level Committee in the 'SSR Guidelines' appended to the G.O.Ms.No.49 I&CAD (PW-Reforms) Dept., dt: 02-03-2009, a special software is developed by National Academy of Construction, Hyderabad for the 'revised standard data for Building items', which shall be adopted for standardization and uniform rates.
- s) Any errors, omissions, corrections or suggestions shall be brought to the notice of the 'COMMITTEE OF THE CHIEF ENGINEERS (Buildings SoR)' for corrective action.
- t) For any new items to be included in the 'Schedule of Rates', recommendations with specific remarks of the respective departments should reach the 'Committee of Chief Engineers' well in advance.
- u) The CWC (Ministry of Irrigation) has recommended that "where standard or schedule of rates are revised or where is necessary to do so, the primary guiding principle should be escalation in labour and material cost and not on trend of rates quoted by the contractors". The 'Committee of Chief engineers' (Buildings SoR) have considered the practicality and adoptability of the 'Buildings-SoR' in construction of the building projects in finalizing the 'Buildings-SoR'.
- v) Wherever feasible, more emphasis is given to the technical specifications for the SoR items by removing the brand names of the manufacturers from the specification and list of approved brands in the respective category for the products is grouped and appended at the end of the SoR so as to bring to an end of encouraging a particular brand.
- w) The estimate preparing authorities are advised to specify the brand names/ manufacturers in the contract documents as per the requirement.
- x) The technical specifications, brand names and the corresponding rates given in the 'water proofing and chemical admixtures' section are for the guidance only. The estimate preparing authorities are requested to obtain literature for usage / application of construction / water proofing materials, epoxies etc, from the manufacturers or authorized suppliers in the contract documents as per the requirement.

5.0 CONCLUSION

- a) The Committee of Chief Engineers on Buildings-SoR: 2012-13 (Civil & Electrical) has met in the chambers of Chief Engineer (R&B) Buildings, on 05-09-2012 at 3.00 P.M., and approved the Buildings SoR:2012-13. The increase in rates of certain materials of items is considered based on the Whole Sale Price Indices published by the Economic Advisor, Government of India.
- b) SR 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.
- c) The rates published in the Buildings SoR are ceiling rates and the estimate preparing authorities are responsible for the correctness and reasonableness of the rates and technical specifications adopted in the estimates.

BUILDING ITEMS

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
A		BRICKS & BUILDING BLOCKS		
1	BMT-A.01	Common burnt clay bricks of class as per Table-1 of IS:1077-1992 Non-Modular or traditional size 23 x 11 x 7 cm (ex-quarry price - excluding cost of conveyance, loading & unloading)	1000 Nos	3472.00
2	BMT-A.02	Common burnt clay bricks of class as per Table-1 of IS:1077-1992 Modular or traditional size 19 x 9 x 9 cm (ex-quarry price - excluding cost of conveyance, loading & unloading)	1000 Nos	4687.00
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	19.00
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	16.00
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	11.00
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	10.00
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	5.00
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	11.00
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	9.00
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	16.00
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	13.00
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	9.00
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	8.00
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	4.00
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	9.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
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	8.00
17	BMT-A.17	Supply of well burnt cinder aggregates as per IS: 2686-1977	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	84.00
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	116.00
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	155.00
21	BMT-A.21	Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm ² of Aerocon / Airolite or equivalent products (landing cost - including cost of conveyance, loading & unloading) 600 x 200 x 230 mm	Each	179.00
B		NATURAL FLOORING STONES (ex-quarry price - excluding cost of conveyance, loading & unloading)		
22	BMT-B.01	Kadapa slab 40 mm thick and size not less than 0.457 M x 0.457 M	1 Sqm	84.00
23	BMT-B.02	Kadapa slab 50 mm thick and size not less than 0.457 M x 0.457 M	1 Sqm	96.00
24	BMT-B.03	Shahabad /Tandur Rough Stone slabs of minimum of 25 mm thick	10 Sqm	840.00
25	BMT-B.04	Shahabad / Tandur Rough Stone slabs of minimum 40 mm thick	10 Sqm	1084.00
26	BMT-B.05	Polished Shahabad/ Tandur stone slabs of 15 to 18 mm thick (0.457x0.304) or any other size as specified	10 Sqm	1446.00
27	BMT-B.06	Polished black Kadapa slabs minimum of 15 mm thick (0.457x0.457M)	10 Sqm	1205.00
28	BMT-B.07	Polished Bethamcherla pure (marble type) white stone minimum 25 mm thick (0.254Mx0.254M)	10 Sqm	3374.00
29	BMT-B.08	Polished Bethamcherla coloured stone minimum 25 mm thick (0.254M x0.254M)	10 Sqm	2410.00
30	BMT-B.09	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) other than black/ premium colours	1Sqm	2576.00
31	BMT-B.10	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) other than black and regular colours	1Sqm	2240.00
32	BMT-B.11	High Polished Granite 16 to 18 mm thick up to 8'-00 (2.43 M) black	1Sqm	1904.00
33	BMT-B.12	Polished Marble slabs of any variety (Such as Dongari/ Adanga/ Marodh/ Rajganpur etc) 16 mm to 20 mm (average) thick (size 0.457 M x 0.457 M) / (0.6M x 0.6M)	1 sqm	638.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
34	BMT-B.13	Polished Marble slabs of any variety (Such as Dongari/ Adanga/ Marodh/ Rajganpur etc) polished 16 mm to 20 mm (average) thick 0.305 M x 0.305 M	1 sqm	515.00
35	BMT-B.14	Polished Marble slabs of any variety and gang saw cut (Such as Dongari/ Adanga/ Marodh/ Rajganpur etc) 16 mm to 20 mm (average) thick (0.610 M width of any length)	1 sqm	874.00
36	BMT-B.15	Polished Marble Tiles 8 mm thick of all sizes and varieties	1 sqm	416.00
37	BMT-B.16	Granite stone tiles 8 mm thick (mirror polished of all shades)	1 sqm	874.00
C		WALL & FLOOR TILES (landing cost - including cost of conveyance, loading & unloading)		
38	BMT-C.01	Supply of Ceramic floor tiles of notless than 7.3mm thick 1st quality in all shades and designs	1 sqm	419.00
39	BMT-C.02	Supply of Edge Cut - Rectified Ceramic floor tiles of notless than 8 mm thick 1st quality in all shades and designs	1 sqm	504.00
40	BMT-C.03	Supply of decorated white background glazed wall tiles of any size and of 5 to 7 mm thick	1 sqm	514.00
41	BMT-C.04	Supply of screenprinted, decorated coloured background glazed wall tiles of any size and of 5 to 7 mm thick	1 sqm	573.00
42	BMT-C.05	Supply of decorated coloured background glazed wall tiles of any size and of 5 to 7 mm thick	1 sqm	543.00
43	BMT-C.06	Supply of 1st quality, plain white glazed wall tiles of any size and of 5 to 7 mm thick	1 sqm	314.00
44	BMT-C.07	Supply of 1st Quality, glazed plain coloured wall tiles of any size and of 5 to 7 mm thick	1 sqm	372.00
45	BMT-C.08	Supply of precast terrazzo tiles 20 mm thick of medium shades	1 sqm	267.00
46	BMT-C.09	Supply of precast terrazzo tiles 20 mm thick of dark shades	1 Sqm	259.00
47	BMT-C.10	Supply of coloured precast terrazzo tiles of 20 mm thick	1 Sqm	280.00
48	BMT-C.11	Supply of white/ plain precast terrazzo tiles of 20 mm thick	1 Sqm	217.00
49	BMT-C.12	Supply of grey precast terrazzo tiles of 20 mm thick	1 Sqm	150.00
50	BMT-C.13	Supply of vitrified polished floor tiles of size not less than 900 x 900 x 10 mm thickness regular finish and normal colours	1 Sqm	1147.00
51	BMT-C.14	Supply of vitrified polished floor tiles of size not less than 795 x 795 mm x 8 mm thickness regular finish and normal colours	1 Sqm	1011.00
52	BMT-C.15	Supply of vitrified polished floor tiles of size not less than 598 x 598 mm x 8 mm thickness glossy finish permium colours	1 Sqm	944.00
53	BMT-C.16	Supply of vitrified polished floor tiles of size not less than 598 x 598 mm x 8 mm thickness regular finish and normal colours	1 Sqm	810.00
54	BMT-C.17	Supply of vitrified polished floor tiles of size not less than 400 x 400 x 7mm thickness normal colours	1 Sqm	607.00
55	BMT-C.18	Supply of glass mosaic tiles 1st quality of size 20x20x4 mm thick	1 Sqm	1281.00
56	BMT-C.19	Providing of Vitrified/ Ceramic Tile flooring for required areas using different sizes, approved colour and make fixing with synthetic/ epoxy adhesive in specified thickness with out joint including all taxes excluding cost of tiles 600 x 600 mm and above sizes tiles.	1 Sqm	139.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
57	BMT-C.20	Providing of Vitrified/ Ceramic Tile flooring for required areas using different sizes, approved colour and make fixing with synthetic/ epoxy adhesive in specified thickness with out joint including all taxes excluding cost of tiles 400 x 400 mm and below size tiles	1 Sqm	111.00
58	BMT-C.21	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles: 600 x 600 mm tiles with 3 mm joints width	1 Sqm	158.00
59	BMT-C.22	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:600 x 600 mm tiles with 4 mm joints width	1 Sqm	166.00
60	BMT-C.23	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:400 x 400 mm tiles with 3 mm joints width	1 Sqm	159.00
61	BMT-C.24	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:400 x 400 mm tiles with 4 mm joints width	1 Sqm	169.00
62	BMT-C.25	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width	1 Sqm	166.00
63	BMT-C.26	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width	1 Sqm	180.00
64	BMT-C.27	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width	1 Sqm	174.00
65	BMT-C.28	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width	1 Sqm	190.00
66	BMT-C.29	Providing Glass Mosaic tiles using specified pattern fixing with grout and approved colour of joint filling with admix cement grouting including all taxes excluding cost of tiles	1 Sqm	276.00
67	BMT-C.30	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:600 x 600 mm tiles with 4 mm joints width	1 Sqm	320.00
68	BMT-C.31	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:400 x 400 mm tiles with 3 mm joints width	1 Sqm	263.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
69	BMT-C.32	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:400 x 400 mm tiles with 4 mm joints width	1 Sqm	315.00
70	BMT-C.33	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width	1 Sqm	315.00
71	BMT-C.34	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width	1 Sqm	382.00
72	BMT-C.35	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width	1 Sqm	324.00
73	BMT-C.36	Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width	1 Sqm	393.00
74	BMT-C.37	Providing Glass Mosaic tiles using specified pattern fixing with epoxy grout and approved colour of joint filling with admix cement grouting including all taxes excluding cost of tiles	1 Sqm	265.00
75	BMT-C.38	Providing Glass Mosaic tiles using specified pattern fixing with epoxy grout and approved colour cement admix grout including all taxes excluding cost of tiles	1 Sqm	1180.00
76	BMT-C.39	Supply of design wall tiles of any colour and size other than highlighters and of thickness 8 to 10 mm including all taxes	1 Sqm	392.00
77	BMT-C.40	Supply of design highlighters wall tiles of any colour and size and of thickness 8 to 10 mm including all taxes	1 Sqm	448.00
78	BMT-C.41	Supply of design highlighters wall tiles of premium / radium colours and of any size and of thickness 8 to 10 mm including all taxes	1 Sqm	504.00
79	BMT-C.42	Supply of plain exterior wall tiles of thickness 20 mm of any size for wall claddings	1 Sqm	403.00
80	BMT-C.43	Supply of exterior design wall tiles of thickness 20 mm of any size for wall claddings	1 Sqm	515.00
81	BMT-C.44	Supply of Plain design floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm	1 Sqm	579.00
82	BMT-C.45	Supply of textured design floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm	1 Sqm	622.00
83	BMT-C.46	Supply of premium plain design floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm	1 Sqm	837.00
84	BMT-C.47	Supply of premium textured design floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm	1 Sqm	870.00
85	BMT-C.48	Supply of premium plain design highlighter combination floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm but excluding highlighters	1 Sqm	1092.00
86	BMT-C.49	Supply of premium plain design highlighter combination floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm but including highlighters	1 Sqm	1119.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
87	BMT-C.50	Vitrified polished floor tiles of size not less than 1000 x 1000 x 10 mm thickness high glossy finish/ premium colours	1 Sqm	1680.00
88	BMT-C.51	Vitrified polished floor tiles of size not less than 795 x 795 mm x 8 mm thickness high glossy finish/ premium colours special series	1 Sqm	1484.00
89	BMT-C.52	Vitrified polished floor tiles of size not less than 598 x 598 mm x 8 mm thickness glossy finish permium colours high glossy finish/ premium colours special series	1 Sqm	1214.00
90	BMT-C.53	Vitrified polished floor tiles of size not less than 900 x 900 mm x 10 mm thickness glossy finish permium colours high glossy finish/ premium colours special series	1 Sqm	1344.00
D		PAVING & INTERLOCKING TILES (landing cost - including cost of conveyance, loading & unloading)		
91	BMT-D.01	Chequered Terrazzo tiles of 22 mm thick (Medium shade) 0.254 M x 0.406 M	1 sqm	256.00
92	BMT-D.02	Chequered Terrazzo tiles of 22 mm thick (Dark shade) 0.254 M x 0.406 M	1 sqm	234.00
93	BMT-D.03	Chequered Terrazzo tiles of 30 mm thick (Light shade) 0.305 M x 0.305 M	1 sqm	234.00
94	BMT-D.04	Chequered Terrazzo tiles of 30 mm thick (Dark shade) 0.305 M x 0.305 M	1 sqm	249.00
95	BMT-D.05	Chequered Terrazzo tiles of 30 mm thick (medium shade) 0.305 M x 0.305 M	1 sqm	220.00
96	BMT-D.06	Supply, laying & fixing of 60 mm thick cement Mosaic reflective concrete pavers of grade M-40 and above including labour charges, loading & unloading, laying to desired lines and levels complete excluding cost of cement, sand, water, electricity etc	1 Sqm.	531.00
97	BMT-D.07	Supply, laying & fixing of 30 mm thick cement Mosaic reflective concrete pavers 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
98	BMT-D.08	Supply of 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
99	BMT-D.09	Supply of 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
100	BMT-D.10	Supply of 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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
101	BMT-D.11	Supply of 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
102	BMT-D.12	Supply of 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
103	BMT-D.13	Supply of high strength Cement Concrete pre-polished ready to lay floor tiles 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
104	BMT-D.14	Supply of high strength Cement Concrete Step tiles of regular colour, design and of 25 mm thickness including all taxes	1 Sqm	555.00
105	BMT-D.15	Supply of high strength Cement Concrete pre-polished Step tiles of any premium colour, design and of 25 mm thickness including all taxes	1 Sqm	619.00
106	BMT-D.16	Supply of Cement Concrete interlocking Pavers of 60 mm thickness and dumbell, zig-zag, I-block shapes etc., inclusive of all taxes	1 Sqm	400.00
107	BMT-D.17	Supply of Cement Concrete interlocking Pavers of 80 mm thickness and dumbell, zig-zag, I-block shapes etc., inclusive of all taxes	1 Sqm	440.00
108	BMT-D.18	Supply of Cement Concrete interlocking Pavers of 100 mm thickness and dumbell, zig-zag, I-block shapes etc., inclusive of all taxes	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		
109	BMT-E.01	Medium Teak Wood scantlings: up to 2.0 M	1 cum	56380.00
110	BMT-E.02	Medium Teak Wood scantlings: 2.0 to 3.0 M	1 cum	60018.00
111	BMT-E.03	Medium Teak Wood scantlings: above 3.0 M	1 cum	63655.00
112	BMT-E.04	Medium Teak Wood Plancks: any thickness	1 cum	105486.00
113	BMT-E.05	Best Teak Wood scantlings: up to 2.0 M	1 cum	80024.00
114	BMT-E.06	Best Teak Wood scantlings: 2.0 to 3.0 M	1 cum	83662.00
115	BMT-E.07	Best Teak Wood scantlings: above 3.0 M	1 cum	87299.00
116	BMT-E.08	Best Teak Wood Plancks: any thickness	1 cum	120036.00
117	BMT-E.09	Burma Teak Wood scantlings: up to 2.0 M	1 cum	127311.00
118	BMT-E.10	Burma Teak Wood scantlings: 2.0 to 3.0 M	1 cum	130948.00
119	BMT-E.11	Burma Teak Wood scantlings: above 3.0 M	1 cum	134586.00
120	BMT-E.12	Burma Teak Wood Plancks: any thickness	1 cum	149137.00
121	BMT-E.13	Assam Teak Wood scantlings: any length	1 cum	36374.00
122	BMT-E.14	Assam Teak Wood Plancks: any thickness	1 cum	52743.00
123	BMT-E.15	Sal Wood scantlings: any length	1 cum	40012.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
124	BMT-E.16	Sal Wood Plancks: any thickness	1 cum	50924.00
125	BMT-E.17	A.C sheet Corrugated 6 mm thick	1 sqm	194.00
126	BMT-E.18	A.C sheet plain 4 m thick	1 sqm	139.00
127	BMT-E.19	A.C sheet plain 6 m thick	1 sqm	144.00
128	BMT-E.20	Plain or Corrugated Galvanized iron sheets as per IS 277 (0.1 mm to 0.8 mm thickness)	1 kg	52.00
F		MILD, GALVANIZED & STAINLESS STEEL (landing cost - including cost of conveyance, loading & unloading)		
129	BMT-F.01	MS. Hallow door frames manufactured by cold roll formed process steel sheet 1.25mm thick bright CRCA conforming to IS 4351 - 1976 with Hinges tower Bolts etc.	1 Rm	247.00
130	BMT-F.02	Country Nails	1 Kg	47.00
131	BMT-F.03	Wire Nails	1 Kg	47.00
132	BMT-F.04	Mild Steel Tubes & pipes of all diameters as per IS-1161	1 Kg	47.00
133	BMT-F.05	Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters - 202 Grade	1 Kg	153.00
134	BMT-F.06	Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters for - 304 Grade	1 Kg	229.00
135	BMT-F.07	Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type A - IOWA Type Designation as per standard specification	1 Kg	63.00
136	BMT-F.08	Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type B - Glidden Type Designation as per standard specification	1 Kg	63.00
137	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	111.00
138	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	111.00
139	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	111.00
140	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	153.00
141	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	153.00
142	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	153.00
143	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	174.00
144	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	174.00
145	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	174.00
146	BMT-F.18	Galvanized Iron fly proof wire mesh of not less than 20 gauge	1 Sqm	166.00
147	BMT-F.19	Stainless steel fly proof wire mesh of not less than 20 gauge	1 Sqm	402.00
148	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	364.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
149	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	289.00
150	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	246.00
151	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	182.00
152	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	439.00
153	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	364.00
154	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	300.00
155	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	235.00
156	BMT-F.28	Rabbit wire mesh (chicken mesh) of not less than 30 gauge	1 Sqm	13.00
157	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	2120.00
158	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	1855.00
G		FIXTURES FOR DOORS & WINDOWS		
159	BMT-G.01	Brass Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	82.00
160	BMT-G.02	Brass Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	121.00
161	BMT-G.03	Brass Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	162.00
162	BMT-G.04	Brass Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	201.00
163	BMT-G.05	Brass Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	248.00
164	BMT-G.06	Aluminium Tower Bolt-10 mm Bolt (IS:204) 75 mm Long	Each	51.00
165	BMT-G.07	Aluminium Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	62.00
166	BMT-G.08	Aluminium Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	75.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
167	BMT-G.09	Aluminium Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	93.00
168	BMT-G.10	Aluminium Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	111.00
169	BMT-G.11	Aluminium Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	130.00
170	BMT-G.12	Aluminium Tower Bolt-10 mm Bolt (IS:204) 350 mm Long	Each	350.00
171	BMT-G.13	Aluminium Tower Bolt-10 mm Bolt (IS:204) 450 mm Long	Each	443.00
172	BMT-G.14	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	19.00
173	BMT-G.15	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	29.00
174	BMT-G.16	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	41.00
175	BMT-G.17	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	55.00
176	BMT-G.18	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	68.00
177	BMT-G.19	Brass Butt hinges (IS:205)- 75 mm Long	Each	35.00
178	BMT-G.20	Brass Butt hinges (IS:205)- 100 mm Long	Each	112.00
179	BMT-G.21	Brass Butt hinges (IS:205)- 125 mm Long	Each	136.00
180	BMT-G.22	Brass Butt hinges (IS:205)- 150 mm Long	Each	179.00
181	BMT-G.23	Aluminium Butt hinges (IS:205)- 75 mm Long	Each	73.00
182	BMT-G.24	Aluminium Butt hinges (IS:205)- 100 mm Long	Each	87.00
183	BMT-G.25	Aluminium Butt hinges (IS:205)- 125 mm Long	Each	104.00
184	BMT-G.26	Aluminium Butt hinges (IS:205)- 150 mm Long	Each	108.00
185	BMT-G.27	MS-Powder Coated Butt hinges (IS:205)- 75 mm Long	Each	9.00
186	BMT-G.28	MS-Powder Coated Butt hinges (IS:205)- 100 mm Long	Each	17.00
187	BMT-G.29	MS-Powder Coated Butt hinges (IS:205)- 125 mm Long	Each	25.00
188	BMT-G.30	MS-Powder Coated Butt hinges (IS:205)- 150 mm Long	Each	33.00
189	BMT-G.31	Aluminium Door Handles (IS:208) 75 mm Long	Each	49.00
190	BMT-G.32	Aluminium Door Handles (IS:208) 100 mm Long	Each	55.00
191	BMT-G.33	Aluminium Door Handles (IS:208) 125 mm Long	Each	82.00
192	BMT-G.34	Aluminium Door Handles (IS:208) 150 mm Long	Each	92.00
193	BMT-G.35	MS-Powder Coated Door Handles (IS:208) 125 mm Long	Each	25.00
194	BMT-G.36	MS-Powder Coated Door Handles (IS:208) 150 mm Long	Each	37.00
195	BMT-G.37	Brass Aldrop (IS:2681) 300 mm long	Each	729.00
196	BMT-G.38	Brass Aldrop (IS:2681) 350 mm long	Each	1403.00
197	BMT-G.39	Brass Aldrop (IS:2681) 450 mm long	Each	1998.00
198	BMT-G.40	Aluminium Aldrop (IS:2681) 200 mm long	Each	216.00
199	BMT-G.41	Aluminium Aldrop (IS:2681) 250 mm long	Each	257.00
200	BMT-G.42	Aluminium Aldrop (IS:2681) 300 mm long	Each	279.00
201	BMT-G.43	MS-Powder Coated Aldrop (IS:2681) 200 mm long	Each	86.00
202	BMT-G.44	MS-Powder Coated Aldrop (IS:2681) 250 mm long	Each	112.00
203	BMT-G.45	MS-Powder Coated Aldrop (IS:2681) 300 mm long	Each	134.00
204	BMT-G.46	Brass Door Stoppers	Each	146.00
205	BMT-G.47	Brass Windows Stay	Each	166.00
206	BMT-G.48	Aluminium Flat Latches: 200 mm long	Each	104.00
207	BMT-G.49	Aluminium Flat Latches: 250 mm long	Each	118.00
208	BMT-G.50	Aluminium Flat Latches: 300 mm long	Each	124.00
209	BMT-G.51	MS-Powder Coated Flat Latches: 250 mm long	Each	42.00
210	BMT-G.52	MS-Powder Coated Flat Latches: 300 mm long	Each	54.00
211	BMT-G.53	MS-Powder Coated - Door Stoppers	Each	37.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
212	BMT-G.54	Supply & fixing drapery rods (25.4 mm) 1" x 21 G Powder coated with PVC rings	RM	95.00
213	BMT-G.55	Supply & fixing drapery bracket - brass powder coated	pair	334.00
214	BMT-G.56	Deluxe window stay Aluminium	Each	95.00
215	BMT-G.57	Heavy duty Aluminium Door stopper	Each	41.00
216	BMT-G.58	Brass fancy handles 150 mm	Each	248.00
217	BMT-G.59	Brass fancy handles 200 mm	Each	337.00
218	BMT-G.60	Brass fancy handles 250 mm	Each	607.00
219	BMT-G.61	Brass fancy handles 300 mm	Each	775.00
220	BMT-G.62	Brass fancy handles 450 mm	Each	1212.00
221	BMT-G.63	Providing and fixing Cast Iron Body Bottle Type Hydraulic Door Closer (IS: 3564) with double speed adjustment, with necessary accessories and screws etc. complete	Each	767.00
222	BMT-G.64	Double action Stainless steel cover plate and cast body iron floor spring (IS 6315- Table-1)	Each	1047.00
223	BMT-G.65	Double action Brass cover plate and cast brass body floor spring (IS 6315- Table-1)	Each	2484.00
224	BMT-G.66	Heavy duty mortise lock 6/7 levers (IS:2209) with PC or CP handles complete set	Each	512.00
225	BMT-G.67	Heavy duty mortise lock 6/7 levers (IS:2209) with brass heavy handles	Each	1783.00
226	BMT-G.68	Brass latch heavy 300 mm	Each	426.00
227	BMT-G.69	Brass latch heavy 350 mm	Each	489.00
228	BMT-G.70	Brass latch heavy 450 mm	Each	646.00
229	BMT-G.71	Friction stay hinges for windows	Each	80.00
230	BMT-G.72	Keyless lockset for toilet doors with CP or PC knob handles (complete set)	Each	230.00
231	BMT-G.73	Keyless lock set for toilet doors with brass knob handles	Each	610.00
232	BMT-G.74	Providing and fixing Aluminium Extruded Section Body Tubular Type Hydraulic Door Closer (IS: 3564) with double speed adjustment with necessary accessories and screws etc. complete (Type-1: for width of doors up to 700 mm)	Each	827.00
233	BMT-G.75	Providing and fixing Aluminium Extruded Section Body Tubular Type Hydraulic Door Closer (IS: 3564) with double speed adjustment with necessary accessories and screws etc. complete (Type-2: for width of doors 701 to 850 mm)	Each	886.00
234	BMT-G.76	Providing and fixing Aluminium Extruded Section Body Tubular Type Hydraulic Door Closer (IS: 3564) with double speed adjustment with necessary accessories and screws etc. complete (Type-3: for width of doors 851 to 1000 mm)	Each	929.00
235	BMT-G.77	Providing and fixing double action brass cast hydraulic floor spring (IS:6315-Table 1) for doors including cost of cutting floors as required, embedding in floors and S.S./ Brass cover plates with brass pivot and single piece M.S. Sheet outer box with slide plate etc. complete (door weight capacity up to 130 kgs)	Each	2616.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
236	BMT-G.78	Providing and fixing double action brass cast hydraulic floor spring (IS:6315-Table 1) 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 (door weight capacity up to 80 kgs)	Each	1944.00
237	BMT-G.79	Providing of brass cast body Floor Spring IS: 6315 sleek in size with the S.S. / Brass Cover plates of Length 320 mm x Breadth 130 mm size along with the Top Patch, Bottom Patch, Door Lock and Pivot with Double Cylinder etc. complete for Heavy duty Glass doors.	Each	8640.00
H		WATER PROOFING CHEMICALS & ADMIXTURES		
		Literature for usage / application of construction / water proofing materials, epoxies etc, may be obtained from manufacturers.		
238	BMT-H.01	Supply of cement based Impervious Water Proofing powder compound	1 Kg	24.00
239	BMT-H.02	Providing Tar felting roof repairs with Zori-felt BT or equivalent duly applying one coat of appropriate grade of bitumen in hot condition @ 1.2 Kg/1Sqm of roof area, fixing tar felt (Manufactures to IS 1322/1972 specification), applying second coat of appropriate grade of hot bitumen at 1.20 Kg/1Sqm of roof area and spreading course aggregate (sand) at 0.063 cum per 1 Sqm of roof area finished item	1 Sqm	172.00
240	BMT-H.03	Providing waterproofing treatment by supplying and applying ROOFSHIELD-1500 OR ZORISHIELD-1500 equivalent (1.50 mm thickness, 2.25Kg per Sq. Mt and 20 X1 Mtr. roll with a centre core of 90 micron thickness HMHDPE film) Water Proofing Membrane. A) apply one coat of Bituminous Emulsion, first coat of bituminous grade 85/25, fix "ROOFSHIELD-1500 OR equivalent " water proofing membrane, apply second coat of Bitumen grade 90/15 after sealing all the joints and abutments with a Gas torch and apply one coat of BITUMINOUS ALUMINIUM PAINT for heat resistance for finished item	1 Sqm.	285.00
241	BMT-H.04	Providing chemical waterproof treatment with Brick bat coba & chemical cement mortars to exposed RCC roof slab surfaces to required slopes mixed with Zoriproof (100 mL Per Bag of 50 Kgs Cement) waterproofing chemical compound, laid over roof slab and brickbat coba treatment in chemical cement mortar 100 mm thick at the centre and 80 mm thick at the edges finished smooth with a floating coat of chemical mixed cement mortar as per the manufacturer specification including cost and conveyance of all materials like sand, chemical– Zoriproof (100 mL Per Bag of 50 Kgs Cement) waterproofing compound, water etc., to site, including seigniorage charges and operational, incidental, and labour charges for mixing mortar, laying, lift charges, rendering smooth curing including rounding off junctions of wall and slab etc., complete for finished item of work (with a guarantee of 10 years)	1 Sqm	475.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
242	BMT-H.05	Providing chemical waterproof treatment with Brick bat coba & chemical cement mortars to exposed RCC roof slab surfaces to required slopes mixed with – Zoriproof (100 ML Per Bag of 50 Kgs Cement) waterproofing chemical compound, laid over roof slab and brickbat coba treatment in chemical cement mortar 80 mm thick at the centre and 60 mm thick at the edges finished smooth with a floating coat of chemical mixed cement mortar as per the manufacturer specification including cost and conveyance of all materials like sand, chemical –Zoriproof (100 mL Per Bag of 50 Kgs Cement) waterproofing compound, water etc., to site, including seigniorage charges and operational, incidental, and labour charges for mixing mortar, laying, lift charges, rendering smooth curing including rounding off junctions of wall and slab etc., complete for finished item of work (with a guarantee of 10 years)	1 Sqm	400.00
243	BMT-H.06	Construction Chemicals, Epoxy & Admixtures - Chloride free water reducing and plasticizing admixture : Conflow SNP1 Zoriplast (Dosage : 20 ml Per Bag of 50 Kgs Cement) or equivalent	1 litre	135.00
244	BMT-H.07	High strength Acrylic blended plasticizer and Water reducing agent - Conflow SNP20 or Zoriplast HS (Dosage : 400 ml to 500 ml Per Bag of 50 Kgs Cement)	1 litre	150.00
245	BMT-H.08	Quick setting, rapid hardening and water proofing compound - : Conflow SNPA or ZorirapidR or Equivalent (Dosage : 1 to 3 Ltrs per bag of 50 Kgs Cement depending on the setting time required).	1 litre	60.00
246	BMT-H.09	Chloride free super plasticizer for high range water reducing admixture : Conflow SNS I or Zoriplast SP 350 (Dosage: 200 ml to 500 ml per bag of 50 Kgs Cement) or equivalent.	Litre	75.00
247	BMT-H.10	Chloride free super plasticizer for high early strength and high range water reducing admixture : Conflow SNS 2 or Zoriplast SP 450 (Dosage: 300 ml to 400 ml per bag of 50 Kgs Cement) or equivalent.	Litre	75.00
248	BMT-H.11	Set accelerator and plasticizer: Conflow SNA or Zoriset or Equivalent (Dosage:1 Kg to 3 Kgs per bag of 50 Kgs Cement depending on the setting time required)	Kgs	70.00
249	BMT-H.12	Chloride free High power slump retaining and retarding plasticizer: Conflow SNR or Zoriplast RT5 (Dosage: 15ml to 50 ml per bag of 50 Kgs Cement) or Equivalent.	Litre	140.00
250	BMT-H.13	Air Entraining Agent: Conflow SNE or Zoriplast AEA (Dosage : 15ml to 20 ml per bag of 50 Kgs Cement) or Equivalent (Dosage : 15ml per Bag of 50 Kgs Cement)	Litre	135.00
251	BMT-H.14	Chloride free super plasticizer, high range water reducing and retarding admixture - Conflow SNS-3 SPL or Zoriplast SPR (Dosage : 300 ml to 400 ml per bag of 50 Kgs Cement) or equivalent	Litre	70.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
252	BMT-H.15	Retarding super plasticizer: Conflow SNS-3 or Accelerating Plasticizers : Zoriplast SRT 5 (Dosage : 500 ml to 1 Ltr per bag of 50 Kgs Cement) or Equivalent.	Litre	72.00
253	BMT-H.16	Waterproof Cement Mortar Plasticizer : Morflow SN 1 or Zoriplast MP (Dosage : 100 ml per bag of 50 Kgs Cement) or Equivalent.	Litre	160.00
254	BMT-H.17	Integral Cement Waterproofing Compound : Conflow SNW1 or Zoriproof (Liquid Form) (Dosage : 100 ml Per Bag of 50 Kgs Cement)	Litre	150.00
255	BMT-H.18	Integral Cement Waterproofing Compound :Conflow SNW2 or Zoriproof (Powder Form) (Dosage : 500 Grams per bag of 50 Kgs Cement) or Equivalent.	Kg	20.00
256	BMT-H.19	High plasticizing cement waterproofing liquid based on naphtha lane formaldehyde : Conflow SNW2 - 750 Gms or Zorishield 200 or Equivalent. (Dosage:200 ml per Bag of 50 Kgs Cement)	Litre	90.00
257	BMT-H.20	Block Admixture: Conflow SNB or Zoriplast BA (Dosage: 20 ml to 25ml per bag of 50 Kgs Cement) or Equivalent.	Litre	135.00
258	BMT-H.21	Sprayed Concrete Accelerator: Shotset SN1 or Zoriset SCA or Equivalent (Dosage : 500 ml – 2.5 Ltrs/bag of Cement).	Kg	60.00
259	BMT-H.22	Surface treatment water Based high power curing compounds: Curaid SN1 or Zoricure WB (Coverage : 5-6 Sq. Mtrs / Ltr / Coat) or Equivalent.	Litre	410.00
260	BMT-H.23	Concrete wax based pigmented curing compound : Curaid SN2 or Zoricure SB or Equivalent. (Coverage : 4-5 Sq. Mtrs / Ltr / Coat)	Litre	410.00
261	BMT-H.24	Formwork & Mould Treatment: Shutterol SNU or Zorislip or Equivalent. (Coverage: 1 Ltr Zorislip will cover approx 20 to 30 m2 on method and material of the form)	Litre	135.00
262	BMT-H.25	Cleaning and acid etching agents: Uniklen SN1 or Zorikleen AC or Equivalent.	Litre	70.00
263	BMT-H.26	Ready to use universal degreasing and cleaning agents: Uniklen SN2 or Zorikleen DA or Equivalent.	Litre	75.00
264	BMT-H.27	Liquid Cleaning Agent: Uniklen SN3 or Zorikleen LC or Equivalent.	Litre	120.00
265	BMT-H.28	Non-shrink Free flow high strength injection grout : Expacrete SN50 or Zorigrout GP 2 or Equivalent. (Yield 13.5 Ltrs Per 25 Kgs Bag).	Kg	32.00
266	BMT-H.29	Non-shrink Free flow grout: Expacrete SN70 or Zorigrout GP 3	Kg	34.00
267	BMT-H.30	Non-shrink Free flow grout: Expacrete SN90 or Zorigrout GP 4	Kg	36.00
268	BMT-H.31	High strength cementitious non-shrink Free flow grout : Expacem SN2 or Zorigrout GP 1 or Equivalent. (250 Gms per Bag of 50 Kgs Cement).	pack	25.00
269	BMT-H.32	Low viscosity Epoxy resin injection grout (Two parts) :Expacrete SNE 1 or Zorigrout EP or Equivalent.(Density 1.07 Kg Per Ltr)	Kg	745.00
270	BMT-H.33	Epoxy Resin Grouts: Expacrete SNE 3 or Zorigrout EP 3 or Equivalent.	Kg	158.00
271	BMT-H.34	High Power Polyester Resin Anchor Grout: Anchorset SN1 or Zorifix or Equivalent. (Yield 0.5 Ltrs / 1 Kg Pack)	Kg	235.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
272	BMT-H.35	High strength, high polyester resin grouts – Anchorset SN2 or Zorifix XL or Equivalent. (Yield 0.5 Ltrs / 1 Kg Pack)	Kg	470.00
273	BMT-H.36	Non-metalic Floor Hardeners : Flortop SNC or Zorifloor DH or Equivalent. (Coverage : May be applied at rate 3.5 Kgs /m2 over green concrete for normal traffic & 6-12 Kg / M2 for heavy traffic. Higher application rates yield better abrasion resistance)	Kg	35.00
274	BMT-H.37	Non oxidizing, heavy duty metallic Floor Hardeners: Flortop SNS or Zorifloor NH or Equivalent.	Kg	25.00
275	BMT-H.38	Epoxy Floor coating: Procoat SNF or Food neutral Epoxy waterproof / damproof coating : Zoricoat EP or Equivalent. (Coverage : 70 to 80 SFT / Per Ltr / coat)	Kg	592.00
276	BMT-H.39	Polysulphide modified epoxy coatings: Procoat SNS or Zoricoat EPS or Equivalent (Coverage : 250 to 300 Gms / M2 and forms a DFT of 175 to 200 Micron)	Kg	450.00
277	BMT-H.40	Essenputty SNE or Epoxy putty - Zoriputty EP or Equivalent	Kg	290.00
278	BMT-H.41	Zincrich epoxy resin primer - Procoat SNZ or Zoriguard ZP or Equivalent (Coverage : 4-5 Sq.Mtr. /Ltr / Coat)	Kg	417.00
279	BMT-H.42	Chemical resistance, fungus resistance water based polyurethane sterile coating : Procoat SNL or Zoristerile or Equivalent (Coverage : 60 to 65 SFT / 2 Coats / Ltr)	Pack	750.00
280	BMT-H.43	Solvent free chemical resistant Epoxy self leveling (for food and pharmaceutical industry) Flooring system: Flortop SNSL or Zorifloor SL or Equivalent. (8.25 to 0.30 M2 / Kg mix with 2mm thickness)	Kg	274.00
281	BMT-H.44	Self leveling self smoothing water based epoxy floor topping : Flortop SNSL-SPL or ZORIFLOOR SLW - 1.5- 3mm or Equivalent (Coverage : 4.5m2 / 17 Kg Pack @ 2mm thickness depending on the substrate)	Kg	258.00
282	BMT-H.45	High build heavy duty epoxy resin floor coating :Flortop SNM or Zorifloor HB or Equivalent. (Coverage : Base coat 10- 12 m2/ 5 Kg @ 250 microns DFT)	Kg	305.00
283	BMT-H.46	Epoxy based repair mortar / concrete : Flortop SNFM or Zoricrete EP or Equivalent.	Litre	390.00
284	BMT-H.47	Solvent free Epoxy resin primer for floor coatings : Florcoat SNP or Zoriprime EP or Equivalent. (Coverage : 3 Kg unit covers about 13m2 for DFT of about 120 micron.)	Pack	635.00
285	BMT-H.48	Solvent free epoxy resin primer for protective coatings – Procoat SNC or Zoriprime EPF or Equivalent (Coverage : 3 Kg unit covers about 13m2 for DFT of about 120 micron.)	Pack	470.00
286	BMT-H.49	Epoxy Primer for floor coatings and protective coatings - Procoat SNP or Zoriprime EFC or Equivalent.	Pack	650.00
287	BMT-H.50	Epoxy primer for Hibond floor & protective coatings : Procoat SNP2 or Zoriprime EFC 2	Pack	725.00
288	BMT-H.51	Cementitious Micro concrete Repair products: Repcrete SNC or Zoricrete MC or Equivalent.	Kg	18.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
289	BMT-H.52	Repair Products:Reprecrete SNE1 or Epoxy mortar - Zoricrete EPM or Equivalent	Kg	450.00
290	BMT-H.53	Under water epoxy resin system for repair products : Reprecrete SNW or Zoricrete EUW or Equivalent.	Kg	906.00
291	BMT-H.54	Under water epoxy resin system mortar – Reprecrete SNW Mortar or Zoricrete EMU	Kg	850.00
292	BMT-H.55	Fast setting cement based plugging compound - Uniplug SN or Zoriplug or Equivalent (Powder Form : mix with water direct application)	Kg	75.00
293	BMT-H.56	High durable cementitious acrylic based two pack Waterproofing systems : Aqua coat SNF or Zoricoat RX or Equivalent. (12 – 14 m2 in two coats to achieve 1mm thickness)	Kg	120.00
294	BMT-H.57	Water Repellents: Aquarepel SN1 or Water based silicon water repellent, Nano technology - Zoripel WB or Equivalent	Litre	650.00
295	BMT-H.58	Tile Adhesives: Tilegrip SNU or Zorimix or Equivalent. (At 3mm thickness 7-9 Sqm / 25 Kgs)	Kg	17.50
296	BMT-H.59	Acrylic based Bonding Adhesives: Conbond SNA or Zoribond PB or Equivalent. (Mix: 1:1 ratio of cement 50 SFT / Ltr /coat depending on the substrate)	Litre	155.00
297	BMT-H.60	Epoxy based Bonding adhesive : Conbond SNE or Zoribond EP or Equivalent. (Coverage : 20 – 25 SFT / Kg /Coat)	Pack	900.00
298	BMT-H.61	Supply of anti-corrosion admixture inhibitor liquid as per Central Electro Chemical Research Institute developed specification of Concra brand or Zoriplast AC or Equivalent (200 ml to 500 ml per Bag of 50 Kgs Cement)	Litre	243.00
299	BMT-H.62	HI-BOND: Concrete Plasticizers: HI-PLAST 01 or Roofbond High plast (Dosage : 100 ml Per Bag of 50 Kgs Cement)	Litre	150.00
300	BMT-H.63	Concrete Plasticizers: HI-PLAST 02 or Roofbond High plast – 2 (Dosage : 200 ml per bag of 50 Kgs Cement)	Litre	90.00
301	BMT-H.64	Concrete Plasticizers: HI-PLAST PA or Roofbond AC	Litre	75.00
302	BMT-H.65	Super Plasticizers: HI-PLAST SP or Roofbond SP 30	Litre	70.00
303	BMT-H.66	Super Plasticizers: HI-PLAST SP AR or Roofbond SP 40	Litre	75.00
304	BMT-H.67	Accelerating Plasticizers: HI-PLAST AR or Concrete plasticizing, water reducing and accelerating admixture - Roofbond PA (Dosage : 500 ml to 1000 ml Per Bag of 50 Kgs Cement) or Equivalent.	Litre	70.00
305	BMT-H.68	Retarding Plasticizers: HI-PLAST RT or Roofbond RT 30	Litre	60.00
306	BMT-H.69	Air Entraining Agents: HI-PLAST A.E or Roofbond AEA	Litre	150.00
307	BMT-H.70	Retarding Super Plasticizers: HI-PLAST SP RT or Roofbond SR 30	Litre	70.00
308	BMT-H.71	HI-PLAST RSP or Roofbond SR 40 or Equivalent.	Litre	80.00
309	BMT-H.72	Mortar Plasticizers: HI-PLAST MP or Roofbond MP (Dosage : 100 ml Per Bag of 50 Kgs Cement)	Litre	160.00
310	BMT-H.73	Integral Water Proofing compounds: HI-PROOF (L) or Liquid Concentrated Micronized Cement Waterproofing Compound : Roofbond 500 (Dosage : 500 ml per bag of 50 Kgs Cement) or Equivalent.	Litre	90.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
311	BMT-H.74	HI-PROOF (P) or Roofbond - P or Equivalent (Dosage : 1 Kg Per Bag of 50 Kgs Cement).	Kg	25.00
312	BMT-H.75	or Roofbond 750 or Equivalent	Litre	70.00
313	BMT-H.76	Block Admixtures: HI-ADMIX or Roofbond BA or Equivalent (Dosage : 20 ml Per bag of 50 Kgs Cement)	Litre	22.00
314	BMT-H.77	Sprayed Concrete Accelerators: HI-ACCEL or Roofbond SA or Equivalent. (Dosage : 50 Grams to 1 Kg Per Bag of 50 Kgs Cement)	Kg	60.00
315	BMT-H.78	Surface Treatments curing compounds: HI-CURE 01 or Roofex WB	Litre	650.00
316	BMT-H.79	Surface Treatments curing compounds: HI-CURE 02 or Roofex WXB	Litre	300.00
317	BMT-H.80	Repair Products: HI-CRM or Roofex GP2 or Equivalent	Kg	32.00
318	BMT-H.81	HI-CRM EX or Roofex EC or Equivalent	Kg	825.00
319	BMT-H.82	HI-CRM EXW or Roofex EW or Equivalent.	Kg	900.00
320	BMT-H.83	HI-CRM EX M or Structural graded polymer modified reinstatement concrete / mortar – Zoricrete CMG or Equivalent	Kg	78.00
321	BMT-H.84	Water Proofing: HI-SHIELD or Liquid applied single component, elastomeric waterproofing membrane coating with -Zoricoat XL or Equivalent. (Coverage : 50 to 60 SFT Per Ltr / Coat) (for brush / spray application add 20% water per Ltr) As a primer coat application dilute with water @ of 1 : 1 ratio recommended.	Litre	350.00
322	BMT-H.85	Water Repellents: HI-REPEL or Solvent based silicon water repellent compound - Zoripel SB or Equivalent. (Direct application)	Litre	300.00
323	BMT-H.86	Tile Adhesives: HI-ADHESIVE or High strength tile adhesive (tile on tile) : Zorimix Hi-Grip or Equivalent. (At 3mm thickness 7-9 Sqm / 25 Kgs)	Kg	22.00
324	BMT-H.87	Leak proofing: Concare-XL Anti-corrosive leak proof admixture or HI-FIX HFA or Styrene Butadine polymer based waterproof and repair product or Zoribond SBR or Equivalent. (Dosage : 50 to 60 SFT Per Ltr / Coat mix for repair 10 Ltr / bag of 50 Kgs Cement)	Litre	275.00
325	BMT-H.88	HI-FIX HFE or Epoxy tile mortar - Zorimix EH or Equivalent	Pack	130.00
326	BMT-H.89	HI-BOND Wall Putty Normal or Grey cement based Gypsum Plaster – Zoritek GP or Equivalent (Coverage : 35 to 40 SFT per bag of 40 Kgs Pack)	Kg	13.00
327	BMT-H.90	HI-BOND Wall Putty Fine or Portland cement based plaster finish surface for interior – Zoritek PC or Equivalent.	Kg	14.00
328	BMT-H.91	HI-BOND Wall Putty Super Fine or Acrylic based ready to use surface (white / off white) - Zoritek WC or Equivalent. (At 1.5 to 2mm thickness 100 - 125 SFT Per Bag of 25 Kgs Pack)	Kg	15.00
329	BMT-H.92	HI-BOND Wall Putty Super Fine (Water Resistant) or Smooth crack free, water resistant finish plaster Zoritek WP or Equivalent	Kg	38.00
330	BMT-H.93	POLY-SULPHIDE SEALING COMPOUND: Grade 'A' I.S.I excluding ST or Zoriseal BS Grade 'A' or Equivalent	1 Kg	90.00
331	BMT-H.94	Bitumen solution primer of approved quality: Zoriprime BT or Equivalent.	1 Kg	70.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
332	BMT-H.95	Tarfelt Zorifelt BT Type : 2 Grade : 1 or Equivalent	1 sqm	120.00
333	BMT-H.96	Supply and application of Liquid admixture for concrete with high resistance against water ingress and having surface active agents & refined lignosulphonate Rheomac 707 of BASF	1 Litre	92.00
334	BMT-H.97	Supply and application of two component acrylic modified cementitious system for forming coating to waterproof and resurface concrete, masonry and other construction materials waterproof and flexible coating MASTERSEAL 550 GREY of BASF	1 Kg	69.00
335	BMT-H.98	Supply and application of Elastomeric flexible two component polymers modified cementitious system for forming waterproof coating on concrete, masonry & other construction material up to 2mm thick MS550 EL membrane and reinforced with 100% virgin polypropylene woven fabric MASTERSEAL 550 EL of BASF	1 Kg	82.00
336	BMT-H.99	Supply and application of grey cementitious powder polymer additive and cement-based adhesive for fixing ceramic & vitrified wall and floor tiles, quarry tiles and similar materials MASTERTILE 25 of BASF	1 Kg	21.00
337	BMT-H.100	Supply and application of premixed, non-metallic, ready to use powder, designed for application as a dry shake over freshly floated concrete floors or floor screeds to obtain a monolithic floor with enhanced abrasion resistance MASTERTOP 100 (GREY) of BASF	1 Kg	21.00
338	BMT-H.101	Supply and application of synthetic polymers to impart rheoplastic qualities to concrete RHEOBUILD 920 (SH) of BASF	1 Kg	63.00
339	BMT-H.102	Supply of Concare-Plus Admixture Anti Corrosion and leak proof Weather Proof, Concrete Hardener Admixture. Dosage (200 ml to 250 ml per Bag of Cement)	1 Litre	250.00
340	BMT-H.103	Supply of Concare-LP polymer based, leak proof, Admixture liquid, dosage (250 ml to 300 ml per Bag of Cement)	1 Litre	180.00
341	BMT-H.104	Supply Con- life –Water Proof, Leak Proof, Concrete Hardener, Rust Proof, Admixture Liquid Dosage (200 ml to 250 ml per Bag of Cement)	1 Litre	270.00
342	BMT-H.105	Supply of Contech – 2000 bio Product (Powder) Anti Corrosion leak proof, Crack Proof ,Chemical Resistant, whether proof, inhibitor liquid. Dosage (5 to 10% of cement weight Cement) and 15% in serve environmental Condition like marine structures / coastal structures and chemical structures, Godowns, effect	1 Kg	290.00
343	BMT-H.106	Supply of Con – Cura Self Curing Agent Admixture for Concrete. Dosage (100 ml – 250ml per bag (50kgs) of cement depending on the atmospheric temperature and humidity)	1 Litre	1200.00
344	BMT-H.107	Supply of Con – Grout Epoxy Pourable Crack / Gap Filling Grout System. Dosage (Varies with climate, Site / Substrate Status. Average density is 1.20 Kg / ltr (System)	1 Kg	3300.00
345	BMT-H.108	Supply of Con Mix – XL Liquid super Plasticizer And Waterproofing With Anti Corrosive properties. Dosage (100 MI – 1ltr Per bag (50Kg)of Cement	1 Litre	450.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
I		GLASS		
346	BMT-I.01	Plain Float Glass 4 mm thick	1 sqm	334.00
347	BMT-I.02	Plain Float Glass 5 mm thick	1 sqm	427.00
348	BMT-I.03	Plain Float Glass 6 mm thick	1 Sqm	460.00
349	BMT-I.04	Plain Float Glass 8 mm thick	1 Sqm	713.00
350	BMT-I.05	Plain Float Glass 10 mm thick	1 Sqm	840.00
351	BMT-I.06	Plain Float Glass 12 mm thick	1 Sqm	1047.00
352	BMT-I.07	Tinted - Bronze/ Green Glass 4 mm thick	1 sqm	453.00
353	BMT-I.08	Tinted - Bronze/ Green Glass 5 mm thick	1 sqm	570.00
354	BMT-I.09	Tinted - Bronze/ Green Glass 6 mm thick	1 Sqm	638.00
355	BMT-I.10	Tinted - Bronze/ Green Glass 8 mm thick	1 Sqm	1021.00
356	BMT-I.11	Tinted - Bronze/ Green Glass 10 mm thick	1 Sqm	1304.00
357	BMT-I.12	Tinted - Bronze/ Green Glass 12 mm thick	1 Sqm	1562.00
358	BMT-I.13	Pin headed Glass 4 mm thick	1 sqm	220.00
359	BMT-I.14	Pin headed Glass 5 mm thick	1 sqm	376.00
360	BMT-I.15	Frosted / Ground Glass 4 mm thick	1 sqm	485.00
361	BMT-I.16	Frosted / Ground Glass 5 mm thick	1 sqm	609.00
362	BMT-I.17	Toughened Plain Glass 5 mm (including Glass)	1 sqm	962.00
363	BMT-I.18	Toughened Plain Glass 6 mm (including Glass)	1 sqm	1107.00
364	BMT-I.19	Toughened Plain Glass 8 mm (including Glass)	1 sqm	1606.00
365	BMT-I.20	Toughened Plain Glass 10 mm (including Glass)	1 sqm	1892.00
366	BMT-I.21	Toughened Plain Glass 12 mm (including Glass)	1 sqm	2182.00
J		PAINTS & POLISHES		
367	BMT-J.01	Supply of water based Cement Primer of Interior Grade- 1	1 Kg	117.00
368	BMT-J.02	Supply of water based Cement Primer of Exterior Grade- 2	1 Kg	70.00
369	BMT-J.03	Supply of Red Oxide Primer Paint for iron works of Grade -1	1 Litre	105.00
370	BMT-J.04	Supply of Zinc Chromate Yellow Oxide Primer paint for iron works	1 Litre	152.00
371	BMT-J.05	Supply of Wood Primer	1 Litre	117.00
372	BMT-J.06	Supply of Metal paste (Putty) for steel works	1 Kg	117.00
373	BMT-J.07	Supply of Putty for wood work	1 Kg	117.00
374	BMT-J.08	Supply of White Lead	1 Kg	84.00
375	BMT-J.09	Supply of Synthetic clear Varnish	1 Litre	117.00
376	BMT-J.10	Supply of Spirit	1 Litre	82.00
377	BMT-J.11	Supply of Linseed Oil	1 Litre	47.00
378	BMT-J.12	Supply of thinner for melamine polish/ french polish	1 Litre	108.00
379	BMT-J.13	Supply of thinner for Poly-urethane polish	1 Litre	222.00
380	BMT-J.14	Supply of French Polish	1 Litre	154.00
381	BMT-J.15	Supply of ready made Wax Polish	1 Kg	468.00
382	BMT-J.16	Supply of Melamine Polish	1 Litre	259.00
383	BMT-J.17	Supply of Interior Grade Poly-Urethane Polish	1 Litre	527.00
384	BMT-J.18	Supply of Exterior Grade Poly-Urethane Polish	1 Litre	644.00
385	BMT-J.19	Supply of wood adhesive compound	1 Kg	183.00
386	BMT-J.20	Supply of Dry Powder Distemper	1 Kg	35.00
387	BMT-J.21	Supply of acrylic based Oil Bound washable Distemper	1 Kg	70.00
388	BMT-J.22	Supply of synthetic polymer plastic emulsion paint	1 Litre	211.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
389	BMT-J.23	Supply of synthetic polymer luxury plastic emulsion paint of superior grade	1 Litre	351.00
390	BMT-J.24	Supply of Water proof Cement paint	1 Kg	41.00
391	BMT-J.25	Supply of acrylic exterior emulsion paint	1 Litre	159.00
392	BMT-J.26	Supply of water proof Cement paint pack	25 Kg	959.00
393	BMT-J.27	Supply of paint grade white lime for wash	25 Kg	410.00
394	BMT-J.28	Supply of anti-corrosive grade - 1 bitumen paint of black colour	1 Litre	421.00
395	BMT-J.29	Supply of grade-1 aluminium paint	1 Litre	211.00
396	BMT-J.30	Supply of ready mixed Synthetic Enamel paints in all shades Grade - I	1 Litre	199.00
397	BMT-J.31	Supply of ready mixed Synthetic Enamel paints in all shades Grade - II	1 Litre	152.00
398	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	1 Sqm	60.00
399	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	1 Sqm	60.00
400	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	1 Sqm	80.00
401	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	1 Sqm	70.00
402	BMT-J.36	Supply & Application of Two Coats of Altek/sai coat/ Neon Super Fine, One Coat of Altek/ sai coat/ Neon Water Based Cement Primer & Two Coats of Altek Flora/ sai coat/ Neon/Indocem/ PMCC/ ESSAR super track for internal walls (Emulsion Paint)	1 Sqm.	95.00
403	BMT-J.37	Supply & Application of Two Coats of Altek/sai coat/ Neon/Indocem/ PMCC/ ESSAR Super Fine, One Coat of Altek/sai coat/ Neon Water Based Cement Primer & Two Coats of Delight for internal walls (Acrylic Washable Distemper)	1 Sqm.	90.00
404	BMT-J.38	Supply & Application One Coat of Altek/ sai coat/ Neon/Indocem/ PMCC/ ESSAR Water Based Cement Primer & Two Coats of Altek Harmony/sai coat/ Neon Espro with fungicides for exterior walls (Emulsion Paint Exterior Grade).	1 Sqm.	96.00
405	BMT-J.39	Supply & Application of One Coat of Altek/sai coat/ Neon/Indocem/ PMCC/ ESSAR Water Based Cement Primer & Two Coats of Altek Alltime/sai coat/ Neon weather flex for exterior walls (Acrylic Emulsion Paint Exterior grade)	1 Sqm.	110.00
406	BMT-J.40	Supply of wall putty of White Cement or Polymer or Cement based	20 Kg	621.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
407	BMT-J.41	Altek / PMCC or Equivalent top coat high UV resistant exterior paint	25 Kg	1403.00
408	BMT-J.42	Altek / PMCC / Deco orient base or Equivalent exterior Texture.	25 Kg	605.00
409	BMT-J.43	Altek / PMCC or Equivalent Gold line Exterior Texture	25 Kg	1066.00
410	BMT-J.44	NCL Skim coat 1127/ or PMCC or equivalent white cement based, polymer modified dry mix putty, specially made to work on levelled, cement sponge finished interior and exterior surfaces. Supply and application of Two Coats of Cement based putty 1127, inclusive of all taxes for finished item of work	1 Sqm	65.00
411	BMT-J.45	Supply & application of One coat of Altek / PMCC Water base Cement Primer & two coats of top coat high UV resistant & water resistant exterior paint, inclusive of all taxes for finished item of work	1 Sqm	60.00
412	BMT-J.46	Supply & application of One Coat Water based Cement Primer, One coat of Deco / PMCC Orient Base Exterior Texture & two coats of Altek Harmony (Emulsion paint exterior grade) inclusive of all taxes for finished item of work	1 Sqm	205.00
413	BMT-J.47	Supply & application of One coat of Water based Cement Primer, One coat of Gold line Exterior Roller Finish, inclusive of all taxes for finished item of work	1 Sqm	215.00
414	BMT-J.48	Supply & Application of two coats of Saicoat/PMCC or equivalent suferfine acrylic spray plaster one coat of Saicoat water base cement primer and two coat of Saicoat Premium Emulsion for interior walls	1 Sqm	140.00
415	BMT-J.49	Supply & Application of one coat of Saicoat/PMCC or equivalent water base cement primer exterior & two coat of Saicoat Weatherflex Elastomeric exterior emulsion with antifunges for exterior wall (Emulsion Paints Exterior Grade)	1 Sqm	160.00
416	BMT-J.50	Saicoat/PMCC or equivalent Wallbond White Cement & Polymer base putty specially made to work on leveled, cement sponge finished interior and exterior surfaces,Supply and application of two coat of Saicoat Wallbond putty, one coat of Saicoat water base primer exterior & two coat of Saicoat Weatherflex elastomeric exterior emulsion, Inclusive of all taxes for finished item of work	1 Sqm	170.00
417	BMT-J.51	Supply and application of one coat of Saicoat or equivalent Re - Ino Texture & two coat Saicoat Weatherflex elastomeric exterior emulsion, inclusive of all taxes for finished item of work	1 Sqm	260.00
K		PARTICLE BOARDS		
418	BMT-K.01	Plain Particle Board: Interior Grade - 6 mm thick	1 Sqm	203.00
419	BMT-K.02	Plain Particle Board: Interior Grade - 8 mm thick	1 Sqm	218.00
420	BMT-K.03	Plain Particle Board: Interior Grade - 10 mm thick	1 Sqm	240.00
421	BMT-K.04	Plain Particle Board: Interior Grade - 12 mm thick	1 Sqm	254.00
422	BMT-K.05	Plain Particle Board: Interior Grade - 18 mm thick	1 Sqm	313.00
423	BMT-K.06	Plain Particle Board: Interior Grade - 21.4 mm thick	1 Sqm	371.00
424	BMT-K.07	Plain Particle Board: Interior Grade - 25 mm thick	1 Sqm	392.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
425	BMT-K.08	Plain Particle Board: Interior Grade - 35 mm thick	1 Sqm	682.00
426	BMT-K.09	Plain Particle Board: Exterior Grade- 8 mm thick	1 Sqm	254.00
427	BMT-K.10	Plain Particle Board: Exterior Grade-12 mm thick	1 Sqm	283.00
428	BMT-K.11	Plain Particle Board: Exterior Grade-18 mm thick	1 Sqm	371.00
429	BMT-K.12	Plain Particle Board: Exterior Grade-21.4 mm thick	1 Sqm	435.00
430	BMT-K.13	Plain Particle Board: Exterior Grade-25 mm thick	1 Sqm	493.00
431	BMT-K.14	Plain Particle Board: Exterior Grade-35 mm thick	1 Sqm	806.00
432	BMT-K.15	Melamine faced Single Deco PPB- 8 mm thick	1 Sqm	527.00
433	BMT-K.16	Melamine faced Single Deco PPB- 12 mm thick	1 Sqm	597.00
434	BMT-K.17	Melamine faced Single Deco PPB- 18 mm thick	1 Sqm	693.00
435	BMT-K.18	Melamine faced Single Deco PPB- 25 mm thick	1 Sqm	785.00
436	BMT-K.19	Melamine faced Single Deco PPB- 35 mm thick	1 Sqm	1305.00
437	BMT-K.20	Melamine faced Twin Deco PPB- 8 mm thick	1 Sqm	606.00
438	BMT-K.21	Melamine faced Twin Deco PPB- 12 mm thick	1 Sqm	693.00
439	BMT-K.22	Melamine faced Twin Deco PPB-18 mm thick	1 Sqm	801.00
440	BMT-K.23	Melamine faced Twin Deco PPB-25 mm thick	1 Sqm	887.00
441	BMT-K.24	Melamine faced Twin Deco PPB-35 mm thick	1 Sqm	1668.00
442	BMT-K.25	Natural Colour-Insulating Board - 12 mm thick	1 Sqm	196.00
443	BMT-K.26	Natural Colour-Insulating Board - 18 mm thick	1 Sqm	290.00
444	BMT-K.27	Natural Colour-Insulating Board - 25 mm thick	1 Sqm	370.00
445	BMT-K.28	White Insulating Board - 12 mm thick	1 Sqm	240.00
446	BMT-K.29	White Insulating Board - 18 mm thick	1 Sqm	342.00
447	BMT-K.30	White Insulating Board - 25 mm thick	1 Sqm	304.00
448	BMT-K.31	Extra for veneered particle Board with commercial veneering on both sides.	1 Sqm	117.00
449	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	246.00
450	BMT-K.33	Extra for veneered particle Board with Teak veneering on both sides	1Sqm	385.00
451	BMT-K.34	Medium Fibre Board: Interior Grade - 6 mm thick	1 Sqm	320.00
452	BMT-K.35	Medium Fibre Board: Interior Grade - 8 mm thick	1Sqm	363.00
453	BMT-K.36	Medium Fibre Board: Interior Grade - 12 mm thick	1 Sqm	486.00
454	BMT-K.37	Medium Fibre Board: Interior Grade - 15 mm thick	1Sqm	617.00
455	BMT-K.38	Medium Fibre Board: Interior Grade - 18 mm thick	1 Sqm	689.00
456	BMT-K.39	Medium Fibre Board: Interior Grade - 25 mm thick	1Sqm	980.00
457	BMT-K.40	Medium Fibre Board: Interior Grade - 30 mm thick	1 Sqm	1183.00
458	BMT-K.41	Medium Fibre Board: Interior Grade - 35 mm thick	1Sqm	1291.00
459	BMT-K.42	Medium Fibre Board: Exterior Grade - 6 mm thick	1 Sqm.	436.00
460	BMT-K.43	Medium Fibre Board: Exterior Grade - 8 mm thick	1 Sqm.	507.00
461	BMT-K.44	Medium Fibre Board: Exterior Grade - 12 mm thick	1 Sqm.	672.00
462	BMT-K.45	Medium Fibre Board: Exterior Grade - 15 mm thick	1 Sqm.	844.00
463	BMT-K.46	Medium Fibre Board: Exterior Grade - 18 mm thick	1 Sqm.	945.00
464	BMT-K.47	Medium Fibre Board: Exterior Grade - 25 mm thick	1 Sqm.	1260.00
465	BMT-K.48	Medium Fibre Board: Exterior Grade - 30 mm thick	1 Sqm.	1568.00
466	BMT-K.49	Medium Fibre Board: Exterior Grade - 35 mm thick	1 Sqm.	1853.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
467	BMT-K.50	MDF Board: Plain-Interior - 9 mm thick	1 Sqm	293.00
468	BMT-K.51	MDF Board: Plain-Interior - 12 mm thick	1 Sqm	334.00
469	BMT-K.52	MDF Board: Plain-Interior - 18 mm thick	1 Sqm	413.00
470	BMT-K.53	MDF Board: Plain-Interior - 25 mm thick	1 Sqm	497.00
471	BMT-K.54	MDF Board: Plain-Interior - 30 mm thick	1 Sqm	756.00
472	BMT-K.55	MDF Board: Plain-Interior - 35 mm thick	1 Sqm	894.00
473	BMT-K.56	MDF Board: Plain-Exterior - 9 mm thick	1 Sqm	384.00
474	BMT-K.57	MDF Board: Plain-Exterior - 12 mm thick	1 Sqm	413.00
475	BMT-K.58	MDF Board: Plain-Exterior - 18 mm thick	1 Sqm	543.00
476	BMT-K.59	MDF Board: Plain-Exterior - 25 mm thick	1 Sqm	680.00
477	BMT-K.60	MDF Board: Plain-Exterior - 30 mm thick	1 Sqm	894.00
478	BMT-K.61	MDF Board: Plain-Exterior - 35 mm thick	1 Sqm	1031.00
479	BMT-K.62	MDF Board: Interior-One Side Laminated -9 mm thick	1 Sqm	461.00
480	BMT-K.63	MDF Board: Interior-One Side Laminated -12 mm thick	1 Sqm	521.00
481	BMT-K.64	MDF Board: Interior-One Side Laminated -18 mm thick	1 Sqm	605.00
482	BMT-K.65	MDF Board: Interior-One Side Laminated -25 mm thick	1 Sqm	680.00
483	BMT-K.66	MDF Board: Interior-One Side Laminated -30 mm thick	1 Sqm	983.00
484	BMT-K.67	MDF Board: Interior-One Side Laminated -35 mm thick	1 Sqm	1049.00
485	BMT-K.68	MDF Board: Exterior-One Side Laminated -9 mm thick	1 Sqm	529.00
486	BMT-K.69	MDF Board: Exterior-One Side Laminated -12 mm thick	1 Sqm	593.00
487	BMT-K.70	MDF Board: Exterior-One Side Laminated -18 mm thick	1 Sqm	674.00
488	BMT-K.71	MDF Board: Exterior-One Side Laminated -25 mm thick	1 Sqm	787.00
489	BMT-K.72	MDF Board: Exterior-One Side Laminated -30 mm thick	1 Sqm	1049.00
490	BMT-K.73	MDF Board: Exterior-One Side Laminated -35 mm thick	1 Sqm	1114.00
491	BMT-K.74	MDF Board: Interior-Both Side Laminated -9 mm thick	1 Sqm	526.00
492	BMT-K.75	MDF Board: Interior-Both Side Laminated -12 mm thick	1 Sqm	593.00
493	BMT-K.76	MDF Board: Interior-Both Side Laminated -18 mm thick	1 Sqm	680.00
494	BMT-K.77	MDF Board: Interior-Both Side Laminated -25 mm thick	1 Sqm	854.00
495	BMT-K.78	MDF Board: Interior-Both Side Laminated -30 mm thick	1 Sqm	1049.00
496	BMT-K.79	MDF Board: Interior-Both Side Laminated -35 mm thick	1 Sqm	1114.00
497	BMT-K.80	MDF Board: exterior-Both Side Laminated -9 mm thick	1 Sqm	593.00
498	BMT-K.81	MDF Board: exterior-Both Side Laminated -12 mm thick	1 Sqm	673.00
499	BMT-K.82	MDF Board: exterior-Both Side Laminated -18 mm thick	1 Sqm	795.00
500	BMT-K.83	MDF Board: exterior-Both Side Laminated -25 mm thick	1 Sqm	870.00
501	BMT-K.84	MDF Board: exterior-Both Side Laminated -30 mm thick	1 Sqm	1101.00
502	BMT-K.85	MDF Board: exterior-Both Side Laminated -35 mm thick	1 Sqm	1180.00
503	BMT-K.86	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276-6 mm thick	1 sqm	174.00
504	BMT-K.87	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 8 mm thick	1 sqm	231.00
505	BMT-K.88	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 10 mm thick	1 sqm	291.00
506	BMT-K.89	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 12 mm thick	1 sqm	356.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
507	BMT-K.90	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 16 mm thick	1 sqm	469.00
508	BMT-K.91	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 20 mm thick	1 sqm	586.00
509	BMT-K.92	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 25 mm thick	1 sqm	733.00
510	BMT-K.93	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 30 mm thick	1 sqm	876.00
511	BMT-K.94	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 40 mm thick	1 sqm	1171.00
512	BMT-K.95	PRE LAMINATEDCEMENT BONDEDPARTICLE BOARD-6 mm thick	1 sqm	541.00
513	BMT-K.96	PRE LAMINATEDCEMENT BONDEDPARTICLE BOARD-8 mm thick	1 sqm	584.00
514	BMT-K.97	PRE LAMINATEDCEMENT BONDEDPARTICLE BOARD- 10 mm thick	1 sqm	627.00
515	BMT-K.98	PRE LAMINATEDCEMENT BONDEDPARTICLE BOARD- 12 mm thick	1 sqm	686.00
516	BMT-K.99	PRE LAMINATEDCEMENT BONDEDPARTICLE BOARD- 16 mm thick	1 sqm	763.00
517	BMT-K.100	BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 6mm thick	1 sqm	193.00
518	BMT-K.101	BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 8mm thick	1 sqm	258.00
519	BMT-K.102	BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 10mm thick	1 sqm	316.00
520	BMT-K.103	BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 12mm thick	1 sqm	378.00
521	BMT-K.104	BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 16mm thick	1 sqm	498.00
522	BMT-K.105	V-Board-Cement Bonded Board - 4mm Thick	1 Sqm	123.00
523	BMT-K.106	V-Board-Cement Bonded Board - 6mm Thick	1 Sqm	178.00
524	BMT-K.107	V-Board-Cement Bonded Board - 8mm Thick	1 Sqm	228.00
525	BMT-K.108	V-Board-Cement Bonded Board - 10mm Thick	1 Sqm	263.00
526	BMT-K.109	V-Board-Cement Bonded Board - 12mm Thick	1 Sqm	327.00
527	BMT-K.110	V-Board-Cement Bonded Board - 14mm Thick	1 Sqm	366.00
528	BMT-K.111	V-Board-Cement Bonded Board - 16mm Thick	1 Sqm	417.00
529	BMT-K.112	V-Board-Cement Bonded Board - 18mm Thick	1 Sqm	472.00
530	BMT-K.113	V-Board-Cement Bonded Board - 20mm Thick	1 Sqm	500.00
531	BMT-K.114	Laminate Sheets - Glossy Finish: 1.00 mm thick	1 Sqm	313.00
532	BMT-K.115	Laminate Sheets - Glossy Finish: 1.50 mm thick	1Sqm	450.00
533	BMT-K.116	Laminate Sheets - Glossy Finish: 1.80 mm thick	1Sqm	493.00
534	BMT-K.117	Laminate Sheets - Mat Finish: 1.00 mm thick	1 Sqm	334.00
535	BMT-K.118	Laminate Sheets - Mat Finish: 1.50 mm thick	1 Sqm	464.00
536	BMT-K.119	Laminate Sheets - Mat Finish: 1.80 mm thick	1Sqm	501.00
537	BMT-K.120	Teak Veneer Lamination - 4 mm thick - Pencil Grains	1 Sqm	351.00
538	BMT-K.121	Teak Veneer Lamination - 4 mm thick - Natural Grains	1 Sqm	646.00
L		PLYWOOD		
539	BMT-L.01	3 Ply - 4 mm thick Plywood(IS:303) MR Grade	1 Sqm	309.00
540	BMT-L.02	5 Ply - 6 mm thick Plywood(IS:303) MR Grade	1 Sqm	340.00
541	BMT-L.03	5 Ply - 8 mm thick Plywood(IS:303) MR Grade	1 Sqm	400.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
542	BMT-L.04	5 Ply - 9 mm thick Plywood(IS:303) MR Grade	1 Sqm	400.00
543	BMT-L.05	9 Ply - 12 mm thick Plywood(IS:303) MR Grade	1 Sqm	503.00
544	BMT-L.06	9 Ply - 15 mm thick Plywood(IS:303) MR Grade	1 Sqm	740.00
545	BMT-L.07	9 Ply - 18 mm thick Plywood(IS:303) MR Grade	1 Sqm	725.00
546	BMT-L.08	3 Ply - 4 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	353.00
547	BMT-L.09	5 Ply - 6 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	414.00
548	BMT-L.10	5 Ply - 8 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	516.00
549	BMT-L.11	5 Ply - 9 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	487.00
550	BMT-L.12	9 Ply - 12 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	636.00
551	BMT-L.13	9 Ply - 15 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	914.00
552	BMT-L.14	9 Ply - 19 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	917.00
553	BMT-L.15	3 Ply-4 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	457.00
554	BMT-L.16	5 Ply - 6 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	595.00
555	BMT-L.17	5 Ply - 9 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	763.00
556	BMT-L.18	9 Ply - 13 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	972.00
557	BMT-L.19	5 Ply - 9 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	995.00
558	BMT-L.20	9 Ply - 12 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	1160.00
M		CEILINGS, WALL PARTITIONS & WALL LININGS		
559	BMT-M.01	Gypsum Board tiles of size notless than 0.595 M x 0.595 M of 12.5 mm thick as per IS 2095 -1992	1 Sqm	220.00
560	BMT-M.02	Gypsum Board tiles of size notless than 0.595 M x 0.595 M of 9 mm thick as per IS 2095 -1992	1 Sqm	215.00
561	BMT-M.03	Gypsum Board Plain sheet 12.5 mm thick as per IS 2095 -1993	1 Sqm	200.00
562	BMT-M.04	G.I. Ceiling Angle - 25 mm x 10 mm x 0.55 mm	1 RM	65.00
563	BMT-M.05	G.I. Ceiling Section 51.5 mm x 26 mm x 10.5 mm x 0.55 mm thick	1 RM	74.00
564	BMT-M.06	G.I. Intermediate Section 45 mm x 15 mm x 15 mm x 0.9 mm	1 RM	73.00
565	BMT-M.07	G.I. Perimeter Channel - 20 mm x 27 mm x 30 mm (web) of 0.55 mm thick	1 RM	65.00
566	BMT-M.08	G.I.-Precoated Fine line Grid 25 mm x 25 mm x 0.7 mm	1 RM	36.00
567	BMT-M.09	G.I.-Precoated Fine line Grid 15 mm x 25 mm x 0.7 mm	1 RM	33.00
568	BMT-M.10	GI - Precoated - T-Sec- 24 mm x 38 mm x 0.7 mm thick	1 RM	47.00
569	BMT-M.11	Hot dipped GI Angle - Precoated - Grid: 19 mm x 19 mm	1 RM	35.00
570	BMT-M.12	Polyester painted GI - T Section - 24 x 32 mm	1 RM	44.00
571	BMT-M.13	Polyester painted GI - T Section - 24 x 25 mm	1 RM	39.00
572	BMT-M.14	Polyester painted GI - T Section - 24 mm x 27 mm	1 RM	40.00
573	BMT-M.15	Aluminium Angle : 24 mm x 24 mm	1 RM	23.00
574	BMT-M.16	Anodised Aluminium T Section : 24 x 24.5 x 2.4 mm	1 RM	30.00
575	BMT-M.17	Connecting Clips	1 Each	2.00
576	BMT-M.18	Rawl Plug	1 Each	1.50

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
577	BMT-M.19	6 mm Nylon Rawl Plug	1 Each	2.50
578	BMT-M.20	Soffit Cleats	1 Each	1.50
579	BMT-M.21	Drywall Screws - 25 mm	1 Each	1.50
580	BMT-M.22	Jointing Compound	1 Kgs	25.00
581	BMT-M.23	Jointing Paper Tape	1 RM	5.00
582	BMT-M.24	Drywall Top Coat	1 Litre	125.00
583	BMT-M.25	Universal Holding Clips	1 Each	2.50
584	BMT-M.26	4 mm Dia GI Connecting Rod	1 RM	10.00
585	BMT-M.27	2 mm Dia GI Connecting Rod	1 RM	8.00
586	BMT-M.28	14 mm - Armstrong Mineral Fiber sheet 600 x 600 of beauty-Sky (Board / Tegular) Edge tiles with a Humidity Resistance of 80% RH, Average NRC 0.50, Light Reflectance >80%, Thermal Conductivity $\lambda = 0.052$ to 0.057 w/mk, Fire Performance Class 0/Class 1	1 Sqm	385.00
587	BMT-M.29	15 mm - Armstrong Mineral Fiber sheet 600 x 600 of fissured-ANF (Board / Tegular) Edge tiles with a Humidity Resistance of 90% RH, Average NRC 0.50, Light Reflectance >80%, Thermal Conductivity $\lambda = 0.052$ to 0.057 w/mk, Fire Performance Class 0/Class 1	1 Sqm	450.00
588	BMT-M.30	16 mm - Armstrong Tegular Edge 600 x 600 of MINATUFF (Board / Tegular/ Micro look) Edge tiles with a Humidity Resistance of 99% RH, Average NRC 0.60, Light Reflectance >88%, Thermal Conductivity $\lambda = 0.052$ to 0.057 w/mk, Fire Performance Class 0/Class 1	1 Sqm	485.00
589	BMT-M.31	12 mm - Daiken Mineral Fibre sheet 600 x 600	1 Sqm	390.00
590	BMT-M.32	15 mm - Daiken Mineral Fibre sheet 600 x 600	1 Sqm	460.00
591	BMT-M.33	Perforated wall panels ARMSTRONG channeled wood works sheets of width 128 mm, thickness of 16mm and length 2440 mm made of a high density particle board substrate with a laminated facing as per the approved shade/ species & finish and a melamine balancing layer on the reverse side, with a special perforation pattern "Helmholtz" fluted perforation on the visible surface with a minimum sag resistance of RH90 and a fire rating class of 1 as per Part 7 of BS 476 with a "tongue-and-grooved" edges and the back of the perforated panel is with sound absorbing non-woven acoustical fleece	1 Sqm	2400.00
592	BMT-M.34	Armstrong VARIT PUR Vinyl Flooring Sheet manufactured by Armstrong World Industries, Inc, of size 1.83 m width having a nominal total thickness of 2 mm with a wearing surface impregnated polyurethane homogeneous mixture of PVC, Plasticizers, Urethane, color pigments, filler calendared, pattern, with wearing Resistance as per EN 660-2, Fire Resistance of more than 11kW/m2 as per ISO 9329-1 Critical Radiant Flux, Slip resistance of R9 as per Oil Wet Ramp test (AS 4586)	1 Sqm	1100.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
593	BMT-M.35	Vinyl Composition Floor Tiles of size 305 mm x 305 mm having an overall thickness of 2.0mm manufactured by M/s. Armstrong World Industries, radiant flux greater than 11kW/m2 as per ISO 9329-1 , smoke resistance less than 750% minutes as per ISO 9239.1, electrical resistance of 1010 Ohm	1 Sqm	510.00
594	BMT-M.36	Armstrong Royal LG-1 Vinyl Flooring Sheet manufactured by Armstrong World Industries, Inc, of size 1.83 m width having a nominal total thickness of 2 mm with a wearing surface impregnated polyurethane homogeneous mixture of PVC, Plasticizers, Urethane, color pigments, filler calendared, pattern, with wearing Resistance as per EN 660-2, Fire Resistance of more than 11kW/m2 as per ISO 9329-1 Critical Radiant Flux, Slip resistance of R9	1 Sqm	1500.00
595	BMT-M.37	Supply of Thermocole 12 mm thick sheets	1 Sqm	23.00
596	BMT-M.38	Supply of Thermocole 19 mm thick sheets	1 Sqm	40.00
597	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
598	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
599	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
600	BMT-M.42	Calcium Silicate Boards - 6mm thick	1sqm	202.00
601	BMT-M.43	Calcium Silicate Boards - 8mm thick	1sqm	270.00
602	BMT-M.44	Calcium Silicate Boards - 10mm thick	1sqm	337.00
603	BMT-M.45	Calcium Silicate Boards - 12mm thick	1sqm	404.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
604	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 Calcium silicate boards	1sqm	1131.00
605	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 Calcium silicate boards	1sqm	1266.00
606	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 Calcium silicate boards	1sqm	1400.00
607	BMT-M.49	Supply and fixing of 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 Calcium silicate boards	1sqm	671.00
608	BMT-M.50	Supply and fixing of 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 Calcium silicate boards	1sqm	739.00
609	BMT-M.51	Supply and fixing of 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 Calcium silicate boards	1sqm	806.00
610	BMT-M.52	Supply and Fixing 66mm thick metal stud partition using 2 layers of 12mm thick Calcium silicate 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
611	BMT-M.53	Supplying and fixing of false ceiling using Plaster of paris Boards 12 mm thick with standard GI ceiling angles, sections perimeter channels including cost and conveyance of all materials and labour	1 Sqm	392.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		charges etc complete		
612	BMT-M.54	Supplying and fixing of false ceiling using Plaster of paris Boards 10 mm thick with standard GI ceiling angles, sections perimeter channels including cost and conveyance of all materials and labour charges etc complete	1 Sqm	327.00
613	BMT-M.55	Designer ceiling Cement Boards -thickness 3.2 mm	1 Sqm	232.00
614	BMT-M.56	High pressure steam cured Cement Boards 4 mm thick	1 Sqm.	112.00
615	BMT-M.57	High pressure steam cured Cement Boards 6 mm thick	1 Sqm.	170.00
616	BMT-M.58	High pressure steam cured Cement Boards 8 mm thick	1 Sqm.	221.00
617	BMT-M.59	High pressure steam cured Cement Boards 10 mm thick	1 Sqm.	247.00
618	BMT-M.60	High pressure steam cured Cement Boards 12 mm thick	1 Sqm.	320.00
619	BMT-M.61	High pressure steam cured Cement Boards 14 mm thick	1 Sqm.	320.00
620	BMT-M.62	High pressure steam cured Cement Boards 16 mm thick	1 Sqm.	374.00
621	BMT-M.63	High pressure steam cured Cement Boards 18 mm thick	1 Sqm.	400.00
622	BMT-M.64	High pressure steam cured Cement Boards 20 mm thick	1 Sqm.	455.00
623	BMT-M.65	High pressure steam cured designer Cement Boards 4 mm thick	1 Sqm.	187.00
624	BMT-M.66	High pressure steam cured designer Cement Boards 6 mm thick	1 Sqm.	280.00
625	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.	750.00
626	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.	800.00
627	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	1 Sqm.	1100.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		and labour charges etc. complete.		
628	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
629	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
630	BMT-M.72	Supply and fixing of BISONPANEL (IS 14276) false ceiling using 8MM BISONPANEL with galvanized and pre painted steel T section of size 24mm x 38mm x 0.4mm for main T duty pre punched to accept cross T section of size 24mm x 30mm x 0.4mm duly punched at both ends for insertion into main T. The grid size will be 610mm x 610mm. The frame work (grid) is suspended to the roof by using G.I flat of 0.60mm or 14-gauge G.I wire with necessary fixers to the roof and frame work. BISONPANEL lay on the grid. The cost inclusive of necessary hardware, labor, one coat of primer (Both side) and two coats of smooth finish on visible side.	1Sqm	794.00
631	BMT-M.73	Supply and fixing BISONPANEL (IS 14276) wall paneling using 10 MM BISONPANEL with frame work made of GI stud section of size 48mm x 35mm x 0.55mm thick placed at every 610 mm C/C intervals vertically and at 1200mm internals horizontally fixed to the wall by means of self expansion screws and caps. BISONPANEL is to be fixed to frame by means of self taping screws placed at every 300 mm intervals leaving 3mm gap between two panels. The cost inclusive of one coat of Altek primer and two coats of Altek smooth finish and cost & conveyance of all materials, labor charges etc. complete as per the direction of Engineer in charge.	1 Sqm	1104.00
632	BMT-M.74	Supply and fixing BISONPANEL (IS 14276) double skin partition using with 10 MM BISONPANEL made out of G.I. track section of size 50mm x 35mm x 0.55 mm for fixing to the roof and floor and stud section of size 48mm x 35mm x 0.55mm placed in track section vertically at 610mm intervals and at 1200mm intervals horizontally fixed to the wall by means of self expansion screws and caps to the wall and roof. BISONPANEL is to be fixed both sides of frame work by using self taping screws fixed at every 300mm intervals to the frame work leaving 3 mm gap between two panels. The cost inclusive with one coat of Alltek primer and two coats of Alltek smooth finish and cost and conveyance of all materials to site, labor charges etc., complete as per the direction of Engineer in charge.	1 Sqm	1610.00
633	BMT-M.75	Supply and fixing of BISONLAM double skin partition using with 12MM BISONLAM made out of G.I track section of size 50 mm x 35mm x 0.55mm for fixing to the roof and floor and stud section of size 48mm x 35mm x 0.55mm placed in track section vertically at 610mm intervals and at 1200mm internals horizontally. The frame is fixed by means of self expansion screws and caps to the wall / roof. BISON LAM is to be fixed both sides of the frame work by using 2mm thick electro plated CR flat section leaving 3mm gap between two panels. The cost inclusive of cost and conveyance of all materials to sites, other materials incidentals and labour charges as per the direction of Engineer in charges.	1 Sqm	2300.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
634	BMT-M.76	Supply and fixing of BISONLAM wall paneling using 12MM BISONLAM with frame work made of G.I stud section of size 48mm x 35mm x 0.55mm thick placed at every 610mm intervals vertically and at 1200mm internals horizontally fixed to the wall by means of self expansion screws and caps. BISON LAM is to be fixed to frame by means of self-taping screws placed at every 300mm intervals leaving 3mm gap between two panels. The cost inclusive of Conveyance of materials, Labor charges etc., complete as per the direction of Engineer in charge	1 Sqm	1725.00
635	BMT-M.77	Supply and fixing of BISON LAM aluminum glazed partitions using 10MM BISONLAM and 5.50 mm thick plain glass to full height. Using with BISON LAM to a height of 0.91 meter at bottom panel and remaining height with glass and aluminum sections anodized to 12 to 15 microns and of sections of size 37mm x 62mm and 1.5mm thickness with one meter centre to centre duly fixed with clip beading on both sides including fixing the frame to pillars by M.S. flats, bolts and nuts including cost and conveyance of all materials etc., complete as directed during execution.	1 Sqm	2888.00
636	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
637	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
638	BMT-M.80	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
639	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
640	BMT-M.82	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
641	BMT-M.83	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Speckle Model	1 Sqm	367.00
642	BMT-M.84	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Textura Model	1 Sqm	405.00
643	BMT-M.85	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Standard Regular Edge	1 Sqm	415.00
644	BMT-M.86	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Fissura Fine Model	1 Sqm	424.00
645	BMT-M.87	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Speckle Model	1 Sqm	443.00
646	BMT-M.88	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Textura Model	1 Sqm	481.00
647	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
648	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
649	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
650	BMT-M.92	NCL or equivalent Partitions: Supply and fixing of partitions made of seccolor pre-painted steel (base steel as per IS 513 of 0.58 mm thick 'D' quality, galvanized as per IS 277 with Zinc of 120 GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick alkyd backer. Section for outer frame should be 46x52mm, section for shutter should be 46x46mm, section for mullion should be 46x70mm, section for beading should be 18x25mm and section for middle and bottom rail (Lock Rail and Kick Rail) of size should be 23x130mm. The partition should be paneled with 9mm pre-laminated particle board to a height of 0.91m from the bottom, and remaining height with 5mm thick plain glass With Ethyl Propylene Diamine Monomer (EPDM) Gaskets. The sections are to be cut to length, mitre joined with corner bracket Centre mullions are to be fixed using mullion cap. Gaskets made of Ethyl Propylene Diamine Monomer (EPDM). Corner brackets made of CRCA with zinc phosphate. Mullion caps made of Glass filled nylon. The above frames should be fixed to the concrete/masonry wall by means of self expanding screws, and complete for finished item of work.		
651	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	4054.00
652	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	4624.00
653	BMT-M.95	Supply & fixing of 50 mm thick sandwiched panel of two fiber-reinforced cement sheets enclosing a lightweight concrete core composed of portland cement, binders and a mix of siliceous and micaceous material aggregate having Tongue and Groove joint for partitions and walls using G.I. Flooring & Ceiling channels, hardware, Labour, transportation, wastages, etc., as a complete item of work excluding finishing, fittings & fixtures.	Sqm.	1300.00
654	BMT-M.96	Supply & fixing of 75 mm thick sandwiched panel of two fiber-reinforced cement sheets enclosing a lightweight concrete core composed of portland cement, binders and a mix of siliceous and micaceous material aggregate having Tongue and Groove joint for partitions and walls using G.I. Flooring & Ceiling channels, hardware, Labour, transportation, wastages, etc., as a complete item of work excluding finishing, fittings & fixtures.	Sqm.	1650.00
655	BMT-M.97	Supply of sandwiched panel of two fiber-reinforced cement sheets enclosing a lightweight concrete core composed of Portland cement, binders and a mix of siliceous and micaceous material aggregate panels of 50mm thick x 600mm standard width x 2400mm, 2700mm, 3000mm & 3300mm lengths	1 Sqm.	900.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
656	BMT-M.98	Supply of sandwiched panel of two fiber-reinforced cement sheets enclosing a lightweight concrete core composed of Portland cement, binders and a mix of siliceous and micaceous material aggregate panels of 75mm thick x 600mm standard width x 2400mm, 2700mm, 3000mm & 3300mm lengths	1 Sqm.	1175.00
N		DOORS		
657	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
658	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 20012-13
1	2	3	4	5
659	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
660	BMT-N.04	Providing and fixing 30mm thick “RAJSHRI” or equivalent BRAND FACTORY MADE SOLID SINGLE SIDE PRELAM PANEL PVC DOOR SHUTTER consisting of frame made out of MS. Tubes of 19gauge thickness and size of 19mmX19mm for stiles, and 15mmX15mm for top and bottom rails. The MS. Frame shall have a coat of steel primers of approved make and manufacture. MS. Frame covered with 5mm thick heat moulded “Rajshri” single side Prelam Pac ‘C’ channel of size 30mmX50mm to form stiles. 5mm thick & 75mm wide single side prelim Pac sheets shall be for the top, bottom and lock rails. Panelling of 5mm thick one side Pac sheet to be fitted in the MS. Frame and sealed to the front (prelam side) stiles and rails (which should have a 5mm 45 bent portion as beading) and attached to the back(white/ivory) stiles and rails which should have a 10mm 90 bent portion as beading) using 2nos. 15mm wide X 5mm thick Pac sheet beading inside the 90 bent beading. All stiles, rails and beadings are to be joined to the panel using solvent cement etc. an additional 5mm thick Pac strip of 20mm width to be stuck on the interior side of the ‘C’ channel using Pac solvent cement adhesive and 10mm(5mmX2) thick, 20mm wide cross Pac sheet to be fitted as gap insert for top and bottom rail etc. complete as per direction of Engineer –in-Charge, manufacture specification and drawing.	1 sqm	2450.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
661	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
662	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
663	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 20012-13
1	2	3	4	5
664	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 land 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
665	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
666	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
667	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
668	BMT-N.12	Flush door shutters, solid bond wood block board type with teak ply on both faces.: 25 mmthick conforming to IS:2202	1 sqm	1168.00
669	BMT-N.13	Flush door shutters, solid bond wood block board type with teak ply on both faces.: 30 mmthick conforming to IS:2202	1 sqm	1208.00
670	BMT-N.14	Flush door shutters, solid bond wood block board type with teak ply on both faces.: 35 mmthick conforming to IS:2202	1 sqm	1301.00
671	BMT-N.15	Flush door shutters, solid bond wood block board type with	1 sqm	595.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		commercial ply on both faces.: 25 mmthick conforming to IS:2202		
672	BMT-N.16	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 30 mmthick conforming to IS:2202	1 sqm	670.00
673	BMT-N.17	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 35 mmthick conforming to IS:2202	1 sqm	734.00
674	BMT-N.18	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 40 mmthick conforming to IS:2202	1 sqm	874.00
675	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 mmthick conforming to IS:2202	1 sqm	784.00
676	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 mmthick conforming to IS:2202	1 sqm	874.00
677	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 mmthick conforming to IS:2202	1 sqm	979.00
678	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 mmthick conforming to IS:2202	1 sqm	1049.00
679	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 mmthick conforming to IS:2202	1 sqm	1118.00
680	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
681	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
682	BMT-N.26	Supply and fixing of BISONPANEL(IS 14276) cup board frames and shutters and using 16mm BISON PANEL dulypainted 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, Aluminum tower bolts and handles , Godrej locks, Fevicol,	1 sqm	1732.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		screws and nails including cost and conveyance of all materials, labor charges, all incidental and operational charges etc., complete for finished item of work at site as per the directions of Engineer in Charge.		
683	BMT-N.27	Supply and fixing BISONPANEL (IS 14276) single door shutter using with 16MM BISONPANEL with all-round "U" section of size 12mmx18mmx12mm made from 0.6 mm thick galvanized, color quoted cold rolled steel profiles with necessary screws fixed at every 304.8 mm intervals. The cost inclusive of MS Nickel coated Aldrops of size 255 mm long 2 Nos., 200 mm long tower bolts 1 No., 125 mm handles 2 Nos. 300 mm long "T" hinge cost and conveyance of all materials at site and applying 1 coat primer, 1 coat of luppum and 2 coats of synthetic enamel paint as per approved design for finished item of work.	1 Sqm	1438.00
684	BMT-N.28	Supply and fixing of BISON PANEL (IS 14276) door shutters using with 16MM BISONPANEL with all round style "U" size of 20mmx18mm x20mm made from 0.6mm thick galvanized pre-painted cold rolled steel profiles with BISONPANEL separating two shutter with 30mmx18mmx30mm Stepped lipping with necessary screws fixed at every 1'-0" (304.8mm) intervals. Ms Nickel coated 250 mm long aldrops 2 no's, MS powder coated 250mm long tower bolt 2no's, & 2no's MS powder coated 125 mm long grip handle. Including cost and conveyance of all materials at site and applying one coat of primer, 2 coats of lappum and 2 coats of synthetic enamel paint as per approved design for finished item of work.	1 Sqm	1964.00
685	BMT-N.29	Supply and fixing of BISON LAM single door shutter using 16MM BISONLAM with all round section "U" size of mm thick galvanized pre-painted cold rolled steel profiles BISON LAM with necessary screws fixed at every 1'0" (304.8mm) intervals. The cost inclusive of MS Nickel coated 250mm long aldrops 2 no's, MS powder coated 250mm long tower bolt 1 no's, 2no's MS 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	1725.00
686	BMT-N.30	Supply and fixing of BISON LAM double door shutter using 16MM BISONLAM with all round "U" section size of 20mm x 18mm x 20mm made from 0.6mm thick galvanized pre-painted cold rolled steel profiles with BISON LAM separating two shutter with 30mm x 20mm x 30mm stepped lipping with necessary screws fixed at every 1'0" (304.8mm) intervals. The cost inclusive of MS Nickel coated 250mm long aldrops 2no's, MS powder coated 125mm long grip handle, 2 no's M.S.P.C. Door stopper. Including cost and conveyance of all materials at site labour charges etc., complete finished item of work.	1 Sqm	2070.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
687	BMT-N.31	Doors Frames (Colour Coated Steel Sections) & Shutter using Cement Bonded Particle Board as per IS 14276 (Bison Panel or equivalent) : Providing and fixing of door frame made from cold roll formed sections made of galvanized (Base steel as per IS277 with zinc of 120 Gms/sqm) colour coated steel sections with total coated thickness of 1mm, primer coated with epoxy primer coat of 5-7 microns thick, finish paint with polyester paint of 12-16 microns. The Section for door frame is to be filled with polyurethane (P.U) form of 40kg/m3. Overall size of frame section should be of 50mm x 50mm. With necessary corner brackets, stiffeners, hinges, and screws. Cement Bonded particle board shutter (Bison Panel or equivalent) "Single Leaf" with all round styles "U" section of size 12m x 18m x 12mm made from 0.6 mm thick galvanized, colour coated cold rolled steel profiles with 16mm thick Cement Bonded particle Board (Bison Panel or equivalent) with necessary screws fixed at every 1'-0" (304.8mm) intervals. The cost inclusive of MS nickel coated Aldrop of size 250mm long 2nos. 200mm long tower bolt 1no., 125mm handles 2nos., cost and conveyance of all materials at site and applying one coat primer , one coat of luppum and two coats of synthetic enamel paint as per approved design for finished item of work	1 Sqm	2558.00
688	BMT-N.32	Supply and fixing of BISONPANEL (IS 14276) box type cup board using BISONPANEL for making frame of size 100mm x 35mm using two sandwiched 16MM boards, one BISONPANEL and one BISONLAM with plain 35mm wood lipping. The Shutters are made of 16MM thick BISONLAM (Pre-Laminated Cement Bonded Particle Board) of approved shade inclusive of hardware like M.S. powder coated Piano hinges of size ¾" x ¾" , Aluminum powder coated handles of size 4" (101.6mm), Aluminum tower bolt 4" (101.6mm) Godrej locks, screws, wood lipping and Fevicol etc., complete finish item of work.	1 Sqm	2700.00
689	BMT-N.33	Supply and fixing of BISONLAM door shutter made out of U sections of size 12x14x12 made from 0.6mm thick pps sections with 12MM BISONLAM with necessary screws fixed at every 1'.0"interwells. The hardware consists of 250mm long aldrop – 2 Nos.150mm Handle- 1 No , 150 mm long ms powder coated tower bolt 1 no. nickle coated. The cost is inclusive of all incidentals, labor transportation charges.	1 Sqm	1725.00
690	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
691	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
692	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
693	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.	228.00
694	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
695	BMT-N.39	Supply and fixing double skin V- Board partition with Frame work made of GI stud profile of size 48x40x 10x 0.6 mm thick placed at every 610 mm C/C intervals and 915 mm horizontal intervals duly fixed with self expansion screws, the V- Board of 8 mm thick cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap between two panels of width 2'-0"(610 mm). The Gap will be covered with a decorative moulding surface will be given a smooth finish over cement primer. The rate Inclusive of cost and conveyance of all materials and labour charges etc., Complete. DOUBLE SKIN PARTITION	1 Sqm	1300.00
696	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 ± 0.3 mm. The cabinets shall be made as per the requirements of the room with groove system. The PVC section surface shall be plain	1 Sqm.	4050.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		and laminated finish to have good look, completed, for finished item of work for SINTEX OR equivalent PVC CABINETS		
697	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
698	BMT-N.42	Supply and fixing of sintex door shutter made from specially hotpress moulded SMC (Sheet moulding compound) sheet polytherencore and PVC Frame section. SMC sheets shall be made from SMC confirming to IS-13410 sheets shall have an average thickness of 1.4mm+/- 0.35mm on both sides. Core of the door 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 of 26mm x 47mm with a wall thickness of 1.4mm+/-0.3mm on both sides corresponding to sintex code DWUF 305 the hardware location 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 size of 105 x 230mm corresponding sintex code PR-02 the lock rail shall be made from PVC Extruded sections having overall dimensions of 26mm x 47mm x 1.4mm +/- 0.3mm on both sides. The usual process of variation corresponding sintex code of 305 combining two nos. wooden pieces are inserted on the periphery suitable M.S.Tube reinforcement shall be provided on the one vertical side of shutter frame	1 Sqm.	3400.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
699	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 sheets shall have an average thickness of 1.4 mm +/- 0.35 mm on both sides. Core of the door shutter shall be filled with high density polyurethane foam, injected with the help of hydraulic injection method shutter frame to be made of PVC extruded section conforming to IS: 10151: 1982 of size 26 mm x 46 mm with a wall thickness of 1.4 mm +/- 0.3 mm on both sides 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 26 mm x 46 mm 1.5 mm +/- 0.3 mm on both sides, with usual process variation corresponding to Sintex code 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	1 Sqm.	2952.00
700	BMT-N.44	SINTEX ENDURA DOOR SHUTTER (26MM THICK)	1 Sqm.	1570.00
701	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
702	BMT-N.46	Supply and fixing of door frame made of hollow extruded PVC section (Nandi or equivalent) having dimensions of 40 X 57mm with the wall thickness of 2mm +/- 0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2 corners shall be metri-cut/ welded. PVC DOOR FRAME (Nandi or equivalent)	1 RM	215.00
703	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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
704	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
705	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
706	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
707	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
708	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
709	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
710	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
711	BMT-N.55	Supply & fixing of Door frames made of all formed sections of 1.25mm thick CRCA section, size should be 50x60mm with 32mm rebate. The corner of the frame should be welded. The frame should be painted with one coat of primer and finished painted with pure polyester paint. The frame should be provided with approved quality butt hinges of 3 Nos. complete for finished item.: Double shutter 5'-0" x 7'-0" (1524 x 2133.6mm) outer frame section size of 50 x 60 mm	1 RM	204.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
712	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
713	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
714	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 are powder coated with pure polyester powder of 50-60 microns thick with total coated thickness of 1.25 mm, size of door frame section is of 105 x 60 mm with a rebate of 38 mm to accommodate 35 mm thick door shutter, with groove to insert gasket in the frame section, frame section filled with polyurethane foam, cut to length, and joined by way of welding, each frame provided with: a) 2mm thick MS powder coated butt hinges of 100 mm long – 3 Nos. for single shutter, 6 Nos. for double shutter. b) CRCA electroplates stiffeners of 6 Nos. – 3 in each vertical. c) 40 mm x 200 mm x 1.2 mm hold fasts screwed to stiffeners – 6 Nos. with split end tail. d) Nylon Aldrop Receiver – 1 No. for single shutter frame. e) Tie Rod – 1 No	1 RM	625.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
715	BMT-N.59	Providing and fixing of door frames factory made, internal door frames without threshold, fabricated from pre painted cold roll formed section 100 mm 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 filled with polyurethane (PU Foam) of 40 kg/Cu.m and the sections cut to length and mitre joined by means of 1.25 mm thick CRCA electroplated corner brackets of size 75 x 75 mm and 1.25 mm thick electroplated stiffeners of size 150 mm for fixing hold fasts and hinges with MS Powder coated fittings a) 6 Nos M.S. Z Type hold fasts made of 30 mm x 3 mm MS flat of 230 mm long, 3 Nos each size expandable PVC covered screw type fasteners b) 2.5 mm x 300 mm long 'T' hinges /2.5 mm x 50 mm x 50 mm x 100 mm two way but hinges (3 Nos for single leaf or 2 Nos for Double leaf/leaf) c) 12 mm dia MS tie rod at bottom with necessary size of nuts on either side.	1 RM	443.00
716	BMT-N.60	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors three track - only two glass shutters sliding - 95 - Series duly manufactured using UPVC reinforced profiles of 95.50 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 sqm	5697.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
717	BMT-N.61	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors three track - two glass shutters sliding and one mesh shutter sliding- 95 -Series duly manufactured using UPVC reinforced profiles of 95.50 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter shall be made of 50 x 26.5 x 2.0 mm uPVC profile section and fitted with nylon/polymer mesh and rollers/pulley duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 sqm	6406.00
718	BMT-N.62	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors three track - three glass shutters sliding - 112 -Series duly manufactured using UPVC reinforced profiles of 112.0 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 sqm	5997.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
719	BMT-N.63	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) openable doors with openable shutters - 106-Series duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.25 mm for outer frames, 70 mm x 60 mm x 2.25 mm for mullion sections as per the need and 106 mm x 60 mm x 2.25 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant and accessories for openable door - hinges of stainless steel grade 304- 3 Nos., per shutter handle with mazak alloy casting 1 No. per shutter, locking system suitably concealed 1 No., with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	7135.00
720	BMT-N.64	Supplying and fixing door shutter, with shutter frame and infill panel made from PVC material conforming to IS: 10151-1982, the shutter frame made out of PVC extruded sections having overall dimension of 47 mm x 33 mm with wall thickness of 1.2mm + 0.3mm with usual process variation, the shutter frame with 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 200 mm x 20 mm with wall thickness of 1mm + 0.2mm, the shutter frames mitre cut and joined at the corner, by providing Polymeric “L” type corners to take hardware & fixtures fixed with 10-20mm counter sunk fully threaded parallel shank steel screws, all the hardware locations reinforced with special polymeric bars as per drawings, stickers showing locations of different hardware pasted on the shutter, the infill panels joined by tongue and groove method.	1 Sqm	925.00
721	BMT-N.65	PVC Door shutter conforming to IS: 10151-1982, the infill panel made of seamless one piece multi chamber PVC extruded sections having overall dimensions of 610 mm x 20 mm with wall thickness of 1mm + 0.2mm with the top and bottom edges of the shutter covered with end cap of the size 20 mm x 11 mm with the door shutter to be reinforced with special polymeric reinforcements as per drawing for hardware's and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places.	1 Sqm	1100.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
722	BMT-N.66	Providing & Fixing of Scientific Doors with metal door frames and door shutters made of galvanize steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM) pure polyester powder upto 50-60 microns thick, outer frame section of 100 x 58 mm x 1.2 mm thick, shutter section of 0.80 mm thick galvanized steel sheet pressed (roll formed) for 46mm thick fully flush, double skin door shell seam joints at stile edges, in-fill of honeycomb kraft paper used to give the required rigidity and effective acoustic insulation with 6" Tower bolt – 1 No., 6" D handles – 2 Nos., 10" Aldrop – 1 No., Butt Hinges – 3 Nos, Mortise Lock of approved quality – 1 No, frames fixed to the concrete/masonry wall by means of self expanding screws complete for finished item of work for Single leaf Door	1 Sqm	8466.00
723	BMT-N.67	Providing & Fixing of Scientific Doors with metal door frames and door shutters made of galvanize steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM) pure polyester powder upto 50-60 microns thick, outer frame section of 100 x 58 mm x 1.2 mm thick, shutter section of 0.80 mm thick galvanized steel sheet pressed (roll formed) for 46mm thick fully flush, double skin door shell seam joints at stile edges, in-fill of honeycomb kraft paper used to give the required rigidity and effective acoustic insulation with 6" Tower bolt – 2 Nos., 6" D handles – 2 Nos., 10" Aldrop – 1 No., Butt Hinges – 6 Nos, Mortise Lock of approved quality – 1 No, frames fixed to the concrete/masonry wall by means of self expanding screws complete for finished item of work for Double leaf Door	1 Sqm	9030.00
724	BMT-N.68	Moulded panel solid core flush doors using water-resistant hardwood fibre HDF / MDF fibre boards skins of 2.5 mm thick of Masonite or equivalent doors - 30 mm thick	1 Sqm	1720.00
725	BMT-N.69	Moulded panel solid core flush doors using water-resistant hardwood fibre HDF / MDF fibre boards skins of 2.5 mm thick Masonite or equivalent doors - 35 mm thick	1 Sqm	1880.00
726	BMT-N.70	Solid core membrane flush doors using rigid PVC membrane of 0.3 mm thick of different elegant shades doors - 30 mm thick	1 Sqm	1400.00
727	BMT-N.71	Solid core membrane flush doors using rigid PVC membrane of 0.3 mm thick of different elegant shades doors - 35 mm thick	1 Sqm	1550.00
728	BMT-N.72	Providing & fixing 30 mm thick solid panel PVC door shutter consisting of frame made out of 19 guage M.S tube of 19 x 19 mm for stiles, top & bottom rail, with a coat of primer of approved make. M.S. Frame covered with 5 mm thick heat moulded PVC "C" channel of size of 30 x 50 mm forming stiles, 5 mm thick 75 mm wide PVC sheet for top, lock & bottom rail on either side 20 mm wide cross PVC sheet as gap insert for top & bottom rail, panelling of 10mm(+/-)(5mm+5mm)" thick PVC sheet fitted in the M.S. frame welded /sealed to the stiles, on either side joined together with solvent cement adhesive etc., additional 5 mm thick PVC strip of 20 mm width stuck on the interior side of the C	1 Sqm	2700.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		channel using solvent cement, complete as per direction of Engineer-in-charge, manufacturers specification.		
729	BMT-N.73	Supply & Fixing SOLID STEEL DOOR door shutter made out of G I Precoated Sheet with an average wall thickness of 0.35 mm on both sides. MS Tube having dimensions of 19 x 19 mm is inserted along the hinge side of the door, core of the door shutter filled with High Density Polyurethane foam injected with the help of hydraulic injection method, four sides of the door covered with G I Precoated Sheet and the hardware locations reinforced with suitable wooden blocks as per drawing and stickers indicating location of the hardware pasted at appropriate places, etc complete	1 Sqm	1365.00
730	BMT-N.74	Supplying & fixing SINGLE PANEL 30 mm thick PVC DOOR, door shutters with shutter frame and Infill panel made from PVC material, the shutter frame made out of PVC extruded sections having overall dimensions of 60 mm x 30 mm with wall thickness of 1.3 mm \pm 0.3 mm, with the Infill panel made out of multi chambered seamless hollow PVC extruded panel having overall dimensions of 610 mm x 20 mm having wall thickness 1 mm \pm 0.2 mm with the shutter frame meter cut and joined at corners and all the hardware locations reinforced with special polymeric bars as per drawing including providing special PVC bracket on hinge side, etc complete	1 Sqm	2320.00
731	BMT-N.75	deleted		
732	BMT-N.76	Providing & fixing internal prelaminated PVC door frame of size 100 x 45 mm with a wall thickness of 5mm, made of extruded 5 mm Prelam PVC foam sheet, mitred cut at two corners and joined with two nos. of 150mm long brackets of 15 x 15 mm MS square tube, two vertical door profiles reinforced with 40 x 20 MS Tube of 19 gauge throughout the frame and the door frame fixed to the wall using 65/100mm long MS screws through the frame by using PVC fasteners with a minimum of 3 nos of screws provided for each vertical member and two nos. for horizontal, etc complete as per drawing and direction of Engineer in Charge	1 RM	535.00
P		WINDOWS		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		Supplying and fixing of WINDOWS with Prelaminated Cement Bonded Particle boards and Pre-Painted Steel Sections fabricated from pre-painted Cold rolled formed sections made of galvanized steel color coated sections (Base steel as per IS-512 D quality, galvanized as per IS-277 with Zinc of 120 gram/sqm) with total coated thickness of 0.58mm 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), sections for outer frame and centre mullion (duly filled with PU form of 40 kg/Cum) of 60mm x 50mm, with provision for fixing glazed shutter and the section for glazed/paneled of size 48 mm x 25 mm and another section of size 60 mm x 23 mm provided for separating glazed and paneled portion, the section cut to length and miter jointed with plastic corner brackets and with corner brackets for window outer frames of 50mm x 60mm, the mullion section fixed to the frame with plastic mullion cap and stiffener plates of size 60 mm x 50 mm made of 1.25mm thick CRCA electroplated provided to fix window frames to concrete/masonry, gasket for fixing glass and 10mm both sides pre-laminated cement bonded particle board and 5 mm thick colour pin headed glass provided for glazing and providing guard bars of 10 mm square rods duly welded at 150 mm pitch to MS flat section of size 18 mm and 3 mm thick, and fixed to wall by means of self expansion nylon Cap (75) and electroplated wooden screws of size 100 mm, together with aluminum powder coated fittings, A) 75mm long grip handles 1 no per shutter, B) 75 mm long tower bolts 2 nos. per shutter, C) Heavy duty SS Pivot hinges 2 nos per shutter, D) MS Powder coated telescopic stay 1 no per shutter.		
733	BMT-P.01	Pre Laminated Cement Bonded Particle Board WINDOWS – Single shutter 2'0"x4'0" outer frame section size of 50mm x 60mm shutter frame section size of 48mm x 25mm	1 Sqm	3800.00
734	BMT-P.02	Pre Laminated Cement Bonded Particle Board WINDOWS –Double shutter 3'0" x 4'0" outer frame section size of 50mm x 60mm shutter frame section size of 48mm x 25mm mullion section size of 50mm x 60mm for outer frame	1 Sqm	3838.00
735	BMT-P.03	Pre Laminated Cement Bonded Particle Board WINDOWS – Double shutter 3'0" x 3'0" outer frame section size of 50mm x 60mm shutter frame section size of 48mm x 25mm Mullion section size of 50mm x 60mm for outer frame.	1 Sqm	4226.00
736	BMT-P.04	Pre Laminated Cement Bonded Particle Board WINDOWS – Double shutter 4'0"x4'0" outer frame section size of 50mm x 60mm shutter frame section size of 48mm x 25mm Mullion section size of 50mm x 60mm for outer frame.	1 Sqm	3800.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
737	BMT-P.05	Pre Laminated Cement Bonded Particle Board WINDOWS – Center fixed both side openable shutters 6'0"x4'0" outer frame section size 50 mm x 60 mm shutter frame section size of 48mm x 25mm, Mullion section size of 50mm x 60mm fixed beading section size of 12mm x 12mm.	1 Sqm	3413.00
738	BMT-P.06	Supply and fixing of openable window made out of extruded PVC section and the outer frame having overall dimensions of 40 x 48 mm with a wall thickness of 1.5 mm and the shutter frame with overall dimensions of 26 x 47 mm and wall thickness of 1.2mm ± 0.3mm provided with 5mm glazing, the centre mullion having over all dimensions of 25 x 32.5mm ±0.3mm, complete, for finished item of work.	1 Sqm.	3008.00
739	BMT-P.07	Supply and fixing of two track or three track sliding window with the outer frame of 58 x 45mm with a wall thickness of 1.2mm ± 0.3mm and the sliding shutter frame made of PVC section 57 x 32mm with overall dimensions of 1.5mm ± 0.3mm provided with 5mm glazing including roller bearings and arrestor type handle cum lock complete, for finished item of work.	1 Sqm.	2680.00
		Supply and fixing of pre-painted steel 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 of 46 x 52 mm section and for shutter of 46 x 46 mm section for mullion 46 x 70 mm, and section for beading should be 18 x 25 mm and section for louvered ventilation of 33 x57mm Box section and the windows panelled with 5 mm thick plain float glass & 4 mm pinhead glass for ventilators with Ethyl propylene Diamine monomer Gasket (EPDM) and the sections cut to length mitre joined with corner bracket centre mullions fixed using mullion cap and with handle made of high grade aluminium powder coated and nylon receiver, corner brackets made of CRCA with Zinc Phosphate, Mullion caps made of glass filled nylon, frames 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.		
740	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	5200.00
741	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	5200.00
742	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	5500.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
743	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	5350.00
744	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	5500.00
745	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	4900.00
746	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	4900.00
747	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	4900.00
748	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	4900.00
749	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	5700.00
750	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	5700.00
751	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	5700.00
752	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	3900.00
753	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	3900.00
754	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	3900.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		Providing and fixing of Openable 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 and section for outer frame of 48 x 50 mm, centre mullion of 48 x 50mm, section for shutter of 47 x 20 mm and the outer frame and mullions to have rebate for glazed shutter with a 20 mm provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, handle, stay, 2 nos. of stainless steel heavy duty pivot hinges provided per shutter and windows fitted with 5 mm thick plain float glass with rubber gaskets including fixing the frames in 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.		
755	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	4750.00
756	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	5050.00
757	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	5050.00
758	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	4450.00
759	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	4450.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		Providing & Fixing of Openable Windows with Fly-mesh 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 and the section for outer frame of 72 x 55mm, centre mullion of 72 x 50mm, section for fixed glass beading section of 12 x 12 mm and section for shutters of 47 x 20 mm and outer frame & mullion sections with rebate for glazed shutters, fly mesh and a 20 mm provision for guard bars/grills and fly mesh shutter section of 20 x 40 mm and the sections cut to length metre joined with corner bracket, centre mullions fixed with mullion cap, stay, handles, latch 2 Nos of heavy duty stainless steel pivot hinges per shutter and panelled with 5mm thick plain float glass and S.S. Mesh for fly mesh shutter (304 grade), fitted using rubber gaskets including fixing the windows in 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		
760	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	6300.00
761	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	6600.00
762	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	6600.00
763	BMT-P.31	Centre fixed both side openable shutter window 5'0"x4'0" (1524mm x1219.2mm). Outer frame section size of 72x50mm. Shutter frame section size of 47x20mm. Mullion section size of 72x50mm. Fixed beading section size of 12x12mm.	1 Sqm	6000.00
764	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	5250.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
765	BMT-P.33	Providing and Fixing Pre-painted steel 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 0.60 mm, 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 and the section for external frame bottom of 79 x 44 mm, external frame sides and top of 69 x 24 mm, guide for top and bottom of 69 x 26 mm (Stainless Steel) and section for shutter of 26 x 30 mm and panelled with 5mm thick plain float glass fitted with corner bracket for internal and external frame made of glass filled nylon, gaskets made of Ethyl Propylene Diamine Monomer (EPDM), sections cut to length, joined and assembled by means of corner bracket, including fixing windows in the concrete/masonry walls by means of self expanding brackets & screws including 10mm square guard bars with 6" pitch (152.4mm) and all taxes etc., complete for finished item of work	1 sqm	5585.00
766	BMT-P.34	deleted		
767	BMT-P.35	deleted		
768	BMT-P.36	deleted		
769	BMT-P.37	deleted		
770	BMT-P.38	deleted		
771	BMT-P.39	deleted		
772	BMT-P.40	deleted		
773	BMT-P.41	deleted		
774	BMT-P.42	deleted		
775	BMT-P.43	deleted		
776	BMT-P.44	deleted		
777	BMT-P.45	deleted		
778	BMT-P.46	deleted		
779	BMT-P.47	deleted		
780	BMT-P.48	deleted		
781	BMT-P.49	deleted		
782	BMT-P.50	deleted		
783	BMT-P.51	deleted		
784	BMT-P.52	deleted		
785	BMT-P.53	deleted		
786	BMT-P.54	deleted		
787	BMT-P.55	deleted		
788	BMT-P.56	deleted		
789	BMT-P.57	deleted		
790	BMT-P.58	deleted		
791	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	1 Sqm	1037.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		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		
792	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
793	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
794	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
795	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
796	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
797	BMT-P.65	Supply and fixing fly mesh window with sections made of pre painted steel (Base steel as per IS 513 of 'D' quality, Galvanized as per IS 277 with zink of 120 GSM), primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12 to 16 microns thick and back coated with 5-7 microns thick alkyd baker with total coated thick ness of 0.58 mm for shutter frame and 0.8 for outer frame, the section for outer frame of 30 x 30 mm and fly mesh shutter section of 20 x 40mm outer frame sections with rebate for fly mesh shutters and sections cut to lenth metre jointed with corner bracket and fitted with aluminum 'T' section of double shutter & above, SS fly mesh shutter (304 grade) and EPD gasket including fixing the frames in the concrete/ masonry wall by means of left expending screws, latch, 2 nos of heavy duty GI pivot hinges provided per shutter (304 grade) including all taxes complete for finished item of work.	1 Sqm	4200.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
798	BMT-P.66	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows two track sliding - 62-Series duly manufactured using UPVC reinforced profiles of 62 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 38 mm x 2.25 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	5424.00
799	BMT-P.67	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows three track - only two glass shutters sliding - 80-Series duly manufactured using UPVC reinforced profiles of 80 mm x 52 mm x 2.25 mm for outer frames, 54 mm x 38 mm x 2.25 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	5341.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
800	BMT-P.68	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows three track - two glass shutters sliding and one mesh shutter - 80-Series duly manufactured using UPVC reinforced profiles of 80 mm x 52 mm x 2.25 mm for outer frames, 54 mm x 38 mm x 2.25 mm for sliding shutter frames capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter frame shall be 52 mm x 21.5 mm x 2 mm fitted with nylon/ polymer mesh on rollers/ pulley duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	5946.00
801	BMT-P.69	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows openable shutters - 48-Series duly manufactured using UPVC reinforced profiles of 48 mm x 60 mm x 2.25 mm for outer frames, 64 mm x 60 mm x 2.25 mm for mullion sections for two or more openable shutters and 78 mm x 60 mm x 2.25 mm for outward openable shutter frame or 70 mm x 60 mm x 2.25 mm for inward openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	5765.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
802	BMT-P.70	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows openable shutters - 60 -Series duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.25 mm for outer frames, 70 mm x 60 mm x 2.25 mm for mullion sections for two or more openable shutters 70 mm x 60 mm x 2.25 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant and accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	6282.00
803	BMT-P.71	DELETED	1 Sqm	
804	BMT-P.72	DELETED	1 Sqm	
805	BMT-P.73	Galvanized powder coated Casement Windows with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 60x50mm, centre for mullion of 62x50mm, section for shutter of 52 x 22 mm, outer frame and mullions to have one side rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and window frames fixing to the concrete/masonry wall arrangement with self expanding screws, complete for finished item of work including of all taxes - 1220 x 1372 or below size	1 Sqm	5244.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
806	BMT-P.74	Galvanized powder coated Casement Windows with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 60x50mm, centre for mullion of 62x50mm, section for shutter of 52 x 22 mm, outer frame and mullions to have one side rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and window frames fixing to the concrete/masonry wall arrangement with self expanding screws, complete for finished item of work including of all taxes - 1530 x 1372 or above size	1 Sqm	4698.00
807	BMT-P.75	Galvanized powder coated Casement Windows with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 88x50mm, centre for mullion of 62x88 mm, section for glass and fly-proof mesh shutter of 52 x 22 mm, outer frame and mullions to have two sides rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 Nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and fly-proof mesh of SS 304 grade fixed with 18 mm x 12 mm BT wood beading and window frames fixing arrangement to the concrete/masonry wall with self expanding screws, complete for finished item of work including of all taxes - 1220 x 1372 or below size	1 Sqm	6588.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
808	BMT-P.76	Galvanized powder coated Casement Windows with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 88x50mm, centre for mullion of 62x88 mm, section for glass and fly-proof mesh shutter of 52 x 22 mm, outer frame and mullions to have two sides rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 Nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and fly-proof mesh of SS 304 grade fixed with 18 mm x 12 mm BT wood beading and window frames fixing arrangement to the concrete/masonry wall with self expanding screws, complete for finished item of work including of all taxes - 1530 x 1372 or above size	1 Sqm	6056.00
809	BMT-P.77	Providing & Fixing of Mesh windows made of pre-painted steel (Base Steel as per IS 513 of 0.58mm thick galvanized as per IS 277 with zinc of 120 GSM), primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer, section for outer frame of 47 x 36 mm, centre mullion of 60 x 36 mm, section mesh beading 18 x 6 mm and Fly mesh shutter section of 20 x 40 mm, the sections cut to length meter joined with corner bracket and centre mullions fixed with mullion cap, handles, latch, 2 Nos of heavy duty stainless steel pivot hinges per S.S. Mesh for fly mesh shutter (304 grade) including fixing the frames in the concrete/masonry wall by means of self expanding screws complete for finished item of work.	1 Sqm	3924.00
810	BMT-P.78	Providing & fixing white colour Rigid PVC window frame and shutter with single rebate using frame section of 50 x 35 mm, centre mullion 50 x 47 mm and the thickness of shutter 25 mm thick, the frame work made of M.S. Tube of 19 gauge of size 15 x 15 mm and solid PVC Section made of 4 mm thick (3.75 mm PVC foam sheet laminated with .25 mm rigid PVC sheet) and heat moulded PVC "C" section of size 50 x 25 x 25 mm forming rails & stiles and reinforced with M.S.Tube of 19 gauge of size 15 x 15 mm and suitably joined with solvent cement and fitted with 4 mm thick glass panel with Aluminium handles, tower bolts, hinges and stopper complete as per direction of Engineer in-charge and manufacturers specification. (All sizes with openable shutters)	1 Sqm	3900.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
811	BMT-P.79	Providing & fixing white colour Rigid PVC window frame and shutter with doouble rebate (glass & mesh) using frame section of 42 x 115 mm made out of M.S.Tube of 19 gauge 15 x 15 mm and solid PVC section made from 4 mm thick (3.75 mm foam sheet laminated with 0.25mm rigid PVC sheet Suitably joined using PVC solvent cement and the window shutter of 25 mm thick heat moulded with PVC 'C' section of size 50 x 25x 50mm forming rails & stiles and reinforced with with M.S.Tube of 19 gauge 15 x 15 mm and glass and wire mesh fitted externally in the clear space available between stiles and rails and fixed with PVC beading of size 23 mm x 16 mm complete as per direction of Engineer in charge and manufacturers specification (All sizes with openable shutters)	1 Sqm	6800.00
812	BMT-P.80	Providing and fixing COMPOSITE SLIDING WINDOW fabricated from roll formed sections made of Galvanized Steel colour Coated/Powder Coated (Base Steel as per IS 513 "D" quality, Galvanized as per IS 277 with Zinc of 120 grams /Sq.Mtr.) with total coated thickness of 0.60mm, powder coated with pure Polyester Powder up to 50-60 microns thick and the section for external frame bottom of 68 x 25mm (Aluminium), External frame sides & Top of 68 x 25 mm (Aluminium), section for shutter of 60 x 23mm and Lap Strip of 30 x 7.5mm (uPVC) cut to length and mitre joined with L-bracket and 5 mm plain float Galss with Ethyl Propylene Diamine Monomer (EPDM) gasket, the corner bracket for external frame made of Aluminium 'L'-Angle, Corner Bracket for internal frame made of Polypropylene, Crescent Latch, Rollers, & EPDM Gaskets for shutters, wool pile for lap strip, Bump Stop Base & Rubber for shutter stopper including fixing to brick/concrete masonry using Nylon self-expanding caps and driving MS electroplated 80mm long screws into the caps through frames and fixing 10mm square guard bars with 6" pitch centre to centre (152.4mm) and all taxes completed for finished item of work	1 Sqm	4900.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		Providing and fixing of Two shutter Sliding Windows made of Galvanized Steel (Base Steel as per IS 513, D quality, galvanized as per IS 277 with Zinc of 120 GSM), using factory made section powder coated with Pure polyester powder upto 50-60 microns thick with total coated thickness of 0.8 mm for Outer Frame and 0.58 mm thickness for Sliding Shutter Section, the Outer Frame for Two Tracks with Grill provision size of 90 mm x 50 mm and without grill provision is of 75 mm x 50 mm and the Window Shutter section of 58 mm x 36 mm and the outer Frame with two integrated guide tracks of 12mm width and 24mm deep for provision to slide the Shutter / sash frame and facilitates with a water drain outlet component made of PVC and the shutter frame fitted with 5mm thick plain float glass of reputed make and fixed with EPDM weathering seal resistant accessories and handle made of Alumimium 1 No. per each shutter and cut to length miter joined with corner brackets including installation of window system at site using anchor fasteners, Silicon sealant applied at the Outer frame corners inclusive of conveyance of all materials accessories, labour charges, and erection at site with complete finished item of work.		
813	BMT-P.81	Window with Two Sliding Shutters and without Grill Outer Frame Size 75 mm x 50 mm.	1 Sqm	4950.00
814	BMT-P.82	Window with Two Sliding Shutters and with Grill Outer Frame Size 90 mm x 50 mm have a rebate of 15mm x 5 mm to fit grill made of 10mm MS Sq Rods for horizontal bars welded at a regular pitch of 150mm to 12mm x 6 mm MS flat.	1 Sqm	5490.00
		Providing and fixing of Three shutter Sliding Windows made of Galvanized Steel (Base Steel as per IS 513, D quality, galvanized as per IS 277 with Zinc of 120 GSM), using factory made section powder coated with Pure polyester powder upto 50-60 microns thick with total coated thickness of 0.8 mm for Outer Frame and 0.58 mm thickness for Sliding Shutter Section, the Outer Frame for three tracks with grill provision size of 105 mm x 50 mm and without grill provision is of 90 mm x 50 mm and the Window Shutter section of 58 mm x 36 mm and the outer Frame with two integrated guide tracks of 12mm width and 24mm deep for provision to slide the Shutter / sash frame and facilitates with a water drain outlet component made of PVC and the shutter frame fitted with 5mm thick plain float glass of reputed make and fixed with EPDM weathering seal resistant accessories and handle made of Alumimium 1 No. per each shutter and cut to length miter joined with corner brackets including installation of window system at site using anchor fasteners, Silicon sealant applied at the Outer frame corners inclusive of conveyance of all materials accessories, labour charges, and erection at site with complete finished item of work.		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		Window with 3 shutters (center fixed shutter / Center sliding shutter / center Fly mesh shutter) and with Grill Window made of Outer Frame of Size 105 mm x 50 mm. Grill made of 10mm MS Square Rods for horizontal bars at a regular pitch of 150mm welded to MS flat of 12 x 6 mm.		
815	BMT-P.83	i) Center Shutter Fixed: center shutter frame made of section with size 20mm x 47mm should be fitted with 5mm thick plain float glass of reputed make, EPDM gasket all around the glass and fixed to the Outer Frame with the supporting section of size 29mm x 20mm of 0.58mm thick fixed horizontally on top and bottom of the shutter frame.	1 Sqm	5800.00
816	BMT-P.84	ii) Center Shutter Sliding: center shutter frame made of section of size 20mm x 47mm should be fitted with 5 mm thick plain float glass of reputed make. The supporting guide section of size 15mm x 19mm of 0.58mm thick fixed horizontally at top and bottom of shutter frame and slides along the bottom and top guide tracks made of sections size 24mm x 20mm of 0.58mm thick and 29mm x 20mm of 0.58mm thick	1 Sqm	6350.00
817	BMT-P.85	iii) Center Fly mesh Shutter Sliding: Section for Fly mesh Shutter frame should be of size 20mm x 40mm of 0.58mm thick and fitted with SS mesh (304 Grade). The supporting guide section of size 29mm x 20mm of 0.58mm thick at the bottom and 15mm x 19mm of 0.58mm thick at the top fixed horizontally to the Fly mesh frame and slides along the bottom and top guide tracks made of sections size 20mm x 20mm of 0.58mm and 29mm x 20mm of 0.58mm.	1 Sqm	6350.00
		Window with 3 shutters (Center fixed shutter / Center sliding shutter / center Fly mesh shutter) and without Grill Window made of Outer Frame of size 90mm x 50mm.		
818	BMT-P.86	i) Center Shutter Fixed: center shutter frame made of section with size 20mm x 47mm of 0.58mm thick should be fitted with 5mm thick plain float glass of reputed make, EPDM gasket all around the glass and fixed to the Outer Frame with the supporting section of size 29mm x 20mm of 0.58mm thick fixed horizontally on top and bottom of the shutter frame.	1 Sqm	5200.00
819	BMT-P.87	ii) Center Shutter Sliding: center shutter frame made of section with size 20mm x 47mm of 0.58mm thick should be fitted with 5 mm thick plain float glass of reputed make. The supporting guide section of size 15mm x 19mm of 0.58mm thick fixed horizontally at top and bottom of shutter frame and slides along the bottom and top guide tracks made of sections size 24mm x 20mm of 0.58mm thick and 29mm x 20mm of 0.58mm thick.	1 Sqm	5690.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
820	BMT-P.88	iii) Center Fly mesh Shutter Sliding: Section for Fly mesh shutter frame should be of size 20mm x 40mm and fitted with SS mesh (304 Grade). The supporting guide section of size 29mm x 20mm of 0.58mm thick at the bottom and 15mm x 19mm of 0.58mm thick at the top fixed horizontally to the Fly mesh frame and slides along the bottom and top guide tracks made of sections size 20mm x 20mm of 0.58mm thick and 29mm x 20mm of 0.58mm thick.	1 Sqm	5690.00
Q		STRUCTURAL GLAZING		
821	BMT-Q.01	Designing, 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 0.72 mm and the glass holding section made of 304 grade stainless steel of 0.58 mm thick galvanised steel section as stiffeners inside the colour coated steel powder coated sections as per the design requirement & calculations to suit wind pressures as given in IS: 875, the 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 and the vertical section of 50 mm x 100 mm x 0.72 mm, 33 mm x 58 mm x 0.72 mm for frame horizontal section, stiffener section of 48 mm x 98 mm x 1 mm, cover profiles sections of 20 mm x 58 mm x 0.58 mm, glass holding section of 37 mm x 37 mm & 37 mm x 18 mm including fixing 5mm thick Ocean Blue reflective glass, brackets made of CRCA powder coated/Electroplated to connect vertical to horizontal, vertical to slab, to fix verticals at top & bottom as per site requirement and gasket made of Ethyl Propylene Diamine Monomer, U.V. resistant silicon sealant including fixing in concrete/masonry wall with self-expanding cap & screws 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	6000.00
822	BMT-Q.02	Designing, 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 0.72 mm and the glass holding section made of 304 grade stainless steel of 0.6 mm thick, duly providing stiffeners inside the colour coated steel/powder coated sections as per the design requirement, calculations to suit wind pressures as given in IS 875 and 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 and the outer frame of 20 mm x 58 mm x 0.6 mm, shutter sections of 58 mm x 33 mm x 0.72 mm, stiffener sections of 56 mm x 31 mm x	1 Sqm	4850.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		1mm, hinges – 2 Nos for each shutter and aluminium Stays – 2 Nos. for each shutter, aluminium Handle – 1 no. for each shutter including 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		
823	BMT-Q.03	Designing, supplying and fixing of curtain Glazing made of pre painted steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM) Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12- 16 microns thick and back coated with 5-7 microns thick alkylid backer using the section for outer frame of 46 x 52 mm, section for mullion of 46 x 70 mm and section for beading of 18 x 25 mm and the glazing with 5 mm thick plain float glass fitted with Ethyl Propylene diameine Monomer (EPDM) gaskets and the sections cut to length, mitre joined with corner bracket, centre mullions fixed suing mullion cap including handle made of high grade Aluminium powder coated and nylon receiver, corner brackets made of CRCA with zinc phosphating, mullion caps made of Glass filled nylon including fixing the frames in the concrete / masonry wall with self expanding screws, etc., complete for finished item.- Fixed Glazing 2'-0" x 2'-0" (609.6x609.6mm) grid outer frames section size of 46 x 52 mm		4950.00
824	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	4950.00
825	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	4200.00
826	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	4200.00
827	BMT-Q.07	deleted		
828	BMT-Q.08	deleted		
829	BMT-Q.09	deleted		
830	BMT-Q.10	deleted		
831	BMT-Q.11	deleted		
832	BMT-Q.12	deleted		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
833	BMT-Q.13	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 clear float glass of reputed make duly fixed with EPDM weathering seal resistant and accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation for sliding window - clipping locking system 1 No. made of aluminium including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work		6150.00
834	BMT-Q.14	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) Fixed Glazing - 48 series duly manufactured using UPVC reinforced profiles of 60 mm x 48 mm x 2.25 mm for outer frames and the mullion sections are of 60 mm x 76 mm x 2.25 mm frames are structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	2887.00
835	BMT-Q.15	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) Fixed Glazing - 56 series duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.25 mm for outer frames and the mullion sections are of 60 mm x 70 mm x 2.25 mm frames are structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	3450.00
S		A. DISMANTLING clearing away and carefully stacking materials useful for reuse.		
836	BMT-S.01	Stone masonry in cement mortar	1 Cum	275.00
837	BMT-S.02	Terracing work in roofs or floors	10 Sqm	114.00
838	BMT-S.03	Flat stones in roof or floors including lifting	10 Sqm	95.00
839	BMT-S.04	Pan tiled or Mangalore tiled roof without roof timbers.	10 Sqm	86.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
840	BMT-S.05	Flat and pan tiles or Mangalore tiles over flat tiles without roof timbers	10 Sqm	95.00
841	BMT-S.06	Wrought and framed timber in roofs or floors	1 Cum	144.00
842	BMT-S.07	Old lime mortar plaster	10 Sqm	30.00
843	BMT-S.08	Old cement mortar plaster	10 Sqm	33.00
844	BMT-S.09	Dry rough stone revetment for aprons and stacking within 40 M lead	1 Cum	46.00
845	BMT-S.10	Revetment for aprons and stacking grouted within 40 lead	1 Cum	33.00
846	BMT-S.11	Kadapa slabs or Shahabad stone slabs flooring on sand bed	10 Sqm	48.00
847	BMT-S.12	Through scraping of old plastered surface	10 Sqm	30.00
848	BMT-S.13	Washing of plastered surface with soap, soda and water (or with soda lime and water)	10 Sqm	10.00
849	BMT-S.14	clean removal of lime plaster from walls and raking out joints 20mm deep or from terraced roof and raking out joints 100 mm deep	10 Sqm	31.00
850	BMT-S.15	Clean removal of cement plaster from walls and raking out joint 200 mm deep	10 Sqm	32.00
T		READY MIX CONCRETE		
		Supply and placing of the Ready Mix Concrete as per IS-4926:2003 of following grades with minimum cement content as per IS-456:2000 and Standard Mix Design as per IS-10262:2009 with coarse aggregate of nominal size 20 mm and fine aggregate of Zone-II (100% sand) 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 including levelling, grading, spreading, curing, vibrating, compacting, finishing etc as required including material VAT, excise duty, pumping, transportation, approved admixture etc complete		
851	BMT-T.01	RMC - M -10 (CEMENT CONTENT - 220 Kgs)	1 Cum	3874.00
852	BMT-T.02	RMC - M -15 (CEMENT CONTENT - 280 Kgs)	1 Cum	4220.00
853	BMT-T.03	RMC - M -20 (CEMENT CONTENT - 300 Kgs)	1 Cum	4336.00
854	BMT-T.04	Extra rate for pumping for each additional floor above 5 Floors / for each 12.0 M additional length over 60.0 M for horizontal pumping to be added in the datas	1 cum	30.00
855	BMT-T.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		
856	BMT-U.01	Supply of high performance expansion joint filler board conforming to M.O.S.T - 18 mm THICK	1 Sqm	705.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
857	BMT-U.02	Supply of high performance expansion joint filler board conforming to M.O.S.T - 20 mm THICK	1 Sqm	791.00
858	BMT-U.03	Supply of high performance expansion joint filler board conforming to M.O.S.T - 25 mm THICK	1 Sqm	988.00
859	BMT-U.04	Supply of expansion joint filler board for buildings, columns, beams and slabs 20 mm THICK	1 Sqm	283.00
860	BMT-U.05	Supply of expansion joint filler board for buildings, columns, beams and slabs 25 mm THICK	1 Sqm	353.00
861	BMT-U.06	Supply of expansion joint filler board for buildings, columns, beams and slabs 50 mm THICK	1 Sqm	705.00
862	BMT-U.07	Supply of back up to cold applied sealant in construction and longitudinal joint - 10 mm OD	1 RM	11.00
863	BMT-U.08	Supply of back up to cold applied sealant in construction and longitudinal joint - 12 mm OD	1 RM	13.00
864	BMT-U.09	Supply of back up to cold applied sealant in construction and longitudinal joint - 15 mm OD	1 RM	16.00
865	BMT-U.10	Supply of back up to cold applied sealant in construction and longitudinal joint - 20 mm OD	1 RM	23.00
866	BMT-U.11	Supply of back up to cold applied sealant in construction and longitudinal joint - 25 mm OD	1 RM	28.00
V		LABOUR CHARGES		
867	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	168.00
868	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	199.00
869	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	231.00
870	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	266.00
871	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	413.00
872	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	499.00
873	BMM-V.07	Labour charges for making, fabricating office furniture, racks, work-station furniture, cup-board shutters with ply-wood/ MDF sheets, decolam/ veneer laminations including fixing cutting, making, assembling, fixing hinges, fixing fixtures, fixing locks, pasting sheets/ laminations fixing in position with necessary screws excluding cost of materials, accessories, fittings	1 Sqm	420.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
874	BMM-V.08	Labour charges for making, fabricating kitchen furniture, cup-boards with shutters, box cup-boards, box racks, with ply-wood/ MDF sheets, decolam/ veneer laminations including fixing cutting, making, assembling, fixing hinges, fixing fixtures, fixing locks, pasting sheets/ laminations fixing in position with necessary screws excluding cost of materials, accessories, fittings	1 Sqm	641.00
875	BMM-V.09	Rounding the edges of Kadapa / Shahabad stone slabs of any thickness including polishing the same	1 Rm	72.00
876	BMM-V.10	Half Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same.	1 Rm	220.00
877	BMM-V.11	Full Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same.	1 Rm	285.00
878	BMM-V.12	Machine Cutting charges - for Marble/ Granite slabs up to 50 mm thick by mechanical device.	1 RM	12.00
879	BMM-V.13	Flat nosing to Kadapa/ Shahabad stone slabs of any thick	1 Rm	12.00
880	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	18.00
881	BMM-V.15	Labour charges for fixing Iron Doors, Iron Windows and Window Grills in position	1 Kg	3.50
882	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	16.00
883	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	14.00
884	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	91.00
885	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	1217.00
886	BMM-V.20	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Etching works	1 Sqm	662.00
887	BMM-V.21	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Reverse Etching work	1 Sqm	819.00
888	BMM-V.22	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Acid wash works	1 Sqm	1024.00
889	BMM-V.23	Labour charges for fixing Flush door shutters of any thickness to the existing door frame including fixing the fixtures to the door shutter excluding cost of shutter	1 Sqm	265.00
890	BMM-V.24	Labour charges for fixing glass panes of any thickness to the existing door / window panes including fixing the beading excluding cost of beading	1 Sqm	199.00
W		MISCELLANEOUS ITEMS		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
891	BMS-W.01	Supplying Aluminium anodised Sections for Doors, partitions, windows, Ventilators (including annodization cost)	1 Kg	253.00
892	BMS-W.02	Sun Control film to the glazed windows partition including labour charges.	1 sqm	288.00
893	BMS-W.03	Aluminium Venetian Blinds horizontal 25.4 mm wide with all accessories.	1 sqm	734.00
894	BMS-W.04	Aluminium Venetian Blinds horizontal 20.0 mm wide with all accessories.	1 sqm	700.00
895	BMS-W.05	Venetian blinds Vertical blinds 100 mm wide with all accessories.	1 sqm	1188.00
896	BMS-W.06	Rubber Beading	1 RM	2.00
897	BMS-W.07	S&F of marblex flooring with 2.0 mm thick in rolls.	1 sqm	369.00
898	BMS-W.08	S&F Vinyl Flooring with 1.5 mm thick in rolls	1 sqm	369.00
899	BMS-W.09	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	1 Litre	200.00
900	BMS-W.10	Soft Brush	Each	130.00
901	BMS-W.11	Wire Brush	Each	29.00
902	BMS-W.12	Supplying and fixing aluminium composite cladding 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
903	BMS-W.13	Supplying and fixing aluminium composite cladding 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
904	BMS-W.14	Supplying and fixing aluminium composite cladding 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
905	BMS-W.15	CEMENT JALI - 25 mm thick	1 sqm	198.00
906	BMS-W.16	CEMENT JALI - 40 mm thick	1 sqm	257.00
907	BMS-W.17	CEMENT JALI - 50 mm thick	1 sqm	352.00
908	BMS-W.18	Aluminium sheet 24 Gauge	1 Sqm	265.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
909	BMS-W.19	7.5mm thick Aluminium Grill (as approved by the department) 3.58 Kg/Sqm.	1 Sqm	975.00
910	BMS-W.20	Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1" (25.4 mm) thick	1 Sqm	869.00
911	BMS-W.21	Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1/2" (12.7 mm) thick	1 Sqm	498.00
		Supply of hot pressed compression moulded sign plates for making road signs ass per the approved dimensions of National Highway Authority Of India, complete, for finished item of work.		
912	BMS-W.22	Circular sign plate Dia 400mm.	Each.	506.00
913	BMS-W.23	Circular sign plate Dia 600mm.	Each.	1330.00
914	BMS-W.24	Circular sing plate Dia 870mm	Each.	2665.00
915	BMS-W.25	Triangular sign plate 600mm.	Each.	683.00
916	BMS-W.26	Triangular sign plate 900mm.	Each.	1542.00
917	BMS-W.27	Square sign plate 600mm.	Each.	1236.00
918	BMS-W.28	Square sign plate 1000mm.	Each.	4591.00
919	BMS-W.29	Supply of Polyethylene water storage tank double layer conforming to IS:12701-1996 with lid.	Litre.	7.50
		Design, fabrication & supply of light weight pre engineered buildings for a maximum span of 9 metres with 50 x 50 x 2.8 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		
920	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 purloins. - Columns	1 RM	364.80
921	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 purloins. Trusses	1 RM	1667.00
922	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	633.00
923	BMS-W.33	Sandwich panels: Sandwich panels of 50 mm thick with 25 mm thermocol of 12 kg / cum, fixed in between 2 Nos 10 mm cement bonded wood particle / fibre boards properly fixed together with 30 mmx30mmx30mm wood pieces along width & length wherever necessary	1 Sqm	1319.00
924	BMS-W.34	U' Tracks & 'H' Section:- Bottom & Top 'U' Tracks are made of 1.25 mm thick 120 GSM G.I. Sheet of size 24x51x26 mm size.	1 RM	144.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
925	BMS-W.35	Fabricated 'H' sections are made up of 2 Nos 1.25 mm thick C.R. Of 40 mm width for flanges and 1 Nos of 2 mm thick C.R. of 50 mm width plate for web. will be used	1 RM	207.00
926	BMS-W.36	Sandwich Panel joinery is made up of 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	236.00
927	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 48x25mm 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	4025.00
928	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	3852.00
929	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	4312.00
930	BMS-W.40	Painting:-1) Steel structure is to be painted with 2 coats of Grade I enamel paint.	1 Sqm	109.00
931	BMS-W.41	2) Exterior walls are painted with one coast of primer and 2 coats of exterior emulsion paint .	1 Sqm	98.00
932	BMS-W.42	3) Interiors are painted with 1+2 coat of O.B.D.	1 Sqm	85.00
933	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	920.00
934	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	3105.00
935	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 grove.	1 Sqm	701.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
		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 and the frame section filled with polyurethane (P.U. Foam) of 40 Kg/Cum; and the sections cut to length and mitre joined by means of 1.25mm thick CRCA electroplated corner brackets of size 75 x 75 mm and 1.25mm thick electroplated stiffeners of size 150mm for fixing hold fasts and hinges together with the following MS Power coated fitting (Supply and fixing) of approved make.		
		a) 6 Nos M.S. Z. Type hold fasts made of 30mm x 3 mm MS flat of 230mm long, 3 Nos each side expandable PVC covered screw type fasteners		
		b) 2.5 mm x 300 mm long 'T' hinges / 2.5mm x 50 mm x 100mm two way but hinges (3 Nos for single leaf or 2 Nos for Double leaf /leaf)		
936	BMS-W.46	c) 12 mm Dia MS tie rod at bottom with necessary size of nuts on either side.	1 RM	376.00
937	BMS-W.47	Preparing gabions with jungle wood	Each	3.00
938	BMS-W.48	Planting plants	Each	2.00
939	BMS-W.49	Pruning plants	Each	2.00
940	BMS-W.50	Maintaining avenues including fencing, weeding, mulching, watering etc per plant.	Each	6.00
941	BMS-W.51	- do - When scattered in hot weather with extra conveyance from March to June	Each	7.00
942	BMS-W.52	Hoisting or lowering of slab	1 cum	92.00
943	BMS-W.53	Dressing faces of granite stone (double line dressing)	1 Sqm	152.00
944	BMS-W.54	Dressing faces of other than granite stone(double line dressing)	1 Sqm	95.00
945	BMS-W.55	Supply of 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
946	BMS-W.56	Supply of 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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
947	BMS-W.57	Supply of 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
948	BMS-W.58	Supply of 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
949	BMS-W.59	Supply of 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
950	BMS-W.60	Supply of 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
951	BMS-W.61	75 mm long screws -	1 Each	4.00
952	BMS-W.62	G.I scam bolts & nuts	1 Each	5.00
953	BMS-W.63	G.I bolts & nuts	1 Each	5.00
954	BMS-W.64	G.I 'J' bolts 8 mm dia	1 Each	8.00
955	BMS-W.65	G.I Washers	1 Each	0.50
956	BMS-W.66	Limpet washers (for scam & 'J' bolts)	1 Each	0.25
957	BMS-W.67	Bitumen washers	1 Each	0.20
958	BMS-W.68	White Cement	1 Kg	25.00
X		MACHINERY CHARGES, HIRE CHARGES FOR CENTRING		
959	BMC-X.01	Machine charges of rubbing/ polishing floor	1 day	1800.00
960	BMC-X.02	Power Saw Cutter - Hand Operated - Hire charges	1 Hr	105.00
961	BMC-X.03	Power Drill - Hand Operated - Hire Charges	1 Hr	97.00
962	BMC-X.04	Grinding Mortar (Spl Grinding)	1 day	900.00
963	BMC-X.05	Casuarina Balli Props - 3" to 4" dia - 12'-0" Height	Each	62.00
964	BMC-X.06	Casuarina Balli Props - 4" to 8" dia - 20'-0" Height	Each	103.00
965	BMC-X.07	Wall Plate Brackets / beam bottom supports	Each	180.00
966	BMC-X.08	Wedge Plate fixture	Each	8.00
967	BMC-X.09	Runner beams of approximately 4" x 4" size	RM	361.00
968	BMC-X.10	Steel Plates for form works	1 sqm	1272.00
969	BMC-X.11	Scaffolding Pipes & Centering accessories	1 Kg	95.00
970	BMC-X.12	Scaffold Boards - Bamboo scaffolds - Bamboos - 8'0" long	Each	103.00
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.			

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 20012-13
1	2	3	4	5
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.			
	LEGEND	"BMT" -X.XX		
		"BMM" -X.XX		
		"BMS" -X.XX		
		"BMC" -X.XX		
		XXX-"A".XX		
		XXX-X."01"		

LIST OF APPROVED BRANDS/ NAMES OF APPROVED MANUFACTURERS/ SUPPLIERS

Sl. No	SECTION	NAMES OF THE ITEMS	NAMES OF THE APPROVED BRAND/ MANUFACTURER/ SUPPLIER
1	SECTION – C	WALL & FLOOR TILES	Somany, HR Jhonson, Naveen Ceramics, Kajaria, Nitco, Sphinx
		TILE ADHESIVES	Laticrete
2	SECTION – D	PAVING & INTERLOCKING TILES	Super Decorative, Aditya Designer, Maha Bhima, Tricon, Pheonix, Eurocon, Ultra, Sphinx
3	SECTION – G	FIXTURES FOR DOOR & WINDOWS	Jyoti, Classic, Hardwyn
4	SECTION – J	PAINTS & POLISHES	Asian, Berger, Nerolac, Saicoat, Indocem, PMCC, ESSAR, Sheenlac, Altek, Suryacem, Neon,
5	SECTION – K	PARTICLE BOARDS	NCL Bison, Ramco-Hilux, Everest-board, Visakha-board, Rajshri, Innsula, Aerocon, Aerolite
6	SECTION – M	CEILINGS, WALL PARTITIONS & WALL LININGS	NCL Bison, Ramco-Hilux, Everest-board, Visakha-board, Rajshri, Innsula, Gypsum India, Armstrong
7	SECTION – N	DOORS	Anand, Raavila, Kutty, Standard, Shubhdwar, ITP, Rajshri, NCL-Bison, Elixir, Sintex, Elgi, Polywood, Sintex, NCL, Fenesta, LG, Masonite
8	SECTION – P	WINDOWS	NCL-Bison, Elixir, Sintex, Elgi, Polywood, NCL, Fenesta, LG,
9	SECTION – Q	STRUCTURAL GLAZING	NCL-Bison, Elixir, Sintex, Elgi, Polywood, Sintex, NCL, Fenesta, LG
10	SECTION – U	EXPANSION JOINT FILLERS	Silseal, Silflex, Armour, Shalitex
11	SECTION – W	MISCELLANEOUS ITEMS	Sintex for PVC tanks, Centurywells for Galvalume sheets, Elixir for PEB structures

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

HIRE CHARGES FOR CENTERING & SCAFFOLDING

A	FOOTINGS	Rs.	62.00	Rs.	372.00	Rs.	434.00	per 1 cum
B	PEDESTALS, PILE CAPS	Rs.	74.00	Rs.	592.00	Rs.	666.00	per 1 cum
C	PLINTH BEAMS	Rs.	1048.00	Rs.	898.00	Rs.	1946.00	per 1 cum

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

D	LINTELS	Rs.	890.00	Rs.	762.00	Rs.	1652.00	per 1 cum
E	CHAJJAS - SUNSHADES	Rs.	176.00	Rs.	117.00	Rs.	293.00	per 1 sqm
F	COLUMNS	Rs.	134.00	Rs.	1070.00	Rs.	1204.00	per 1 cum
G	BEAMS	Rs.	1347.00	Rs.	898.00	Rs.	2245.00	per 1 cum
H	SLABS - Up to 150 mm thick	Rs.	151.00	Rs.	101.00	Rs.	252.00	per 1 sqm
I	SLABS - above 150 mm - Up to 300 mm thick	Rs.	157.00	Rs.	105.00	Rs.	262.00	per 1 sqm
J	SLABS - above 300 mm thick	Rs.	164.00	Rs.	109.00	Rs.	273.00	per 1 sqm
K	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	Rs.	555.00	Rs.	370.00	Rs.	925.00	per 1 sqm
L	PERGOLA SLABS (Only Rib Beams)	Rs.	389.00	Rs.	259.00	Rs.	648.00	per 1 sqm
M	ARCH BEAMS - up to 1.5 M Span	Rs.	1532.00	Rs.	1020.00	Rs.	2552.00	per 1 cum
N	ARCH BEAMS - above 1.5 M Span	Rs.	1553.00	Rs.	1035.00	Rs.	2588.00	per 1 cum
O	DOME SLABS	Rs.	2890.00	Rs.	1650.00	Rs.	4540.00	per 1 cum
P	HELICAL STAIRCASES	Rs.	220.00	Rs.	126.00	Rs.	346.00	per 1 sqm
Q	SHEAR WALLS, RCC WALLS, WATER TANK WALLS	Rs.	114.00	Rs.	195.00	Rs.	309.00	per 1 sqm

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

D	LINTELS	Rs.	1603.00	Rs.	1207.00	Rs.	2810.00	per 1 cum
E	CHAJJAS - SUNSHADES	Rs.	317.00	Rs.	185.00	Rs.	502.00	per 1 sqm
F	COLUMNS, WATER TANK WALLS, RCC WALLS	Rs.	241.00	Rs.	1695.00	Rs.	1936.00	per 1 cum
G	BEAMS	Rs.	2427.00	Rs.	1421.00	Rs.	3848.00	per 1 cum
H	SLABS - Up to 150 mm thick	Rs.	273.00	Rs.	160.00	Rs.	433.00	per 1 sqm
I	SLABS - above 150 mm - Up to 300 mm thick	Rs.	283.00	Rs.	166.00	Rs.	449.00	per 1 sqm
J	SLABS - above 300 mm thick	Rs.	296.00	Rs.	173.00	Rs.	469.00	per 1 sqm
K	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	Rs.	1000.00	Rs.	585.00	Rs.	1585.00	per 1 sqm
L	PERGOLA SLABS (Only Rib Beams)	Rs.	701.00	Rs.	410.00	Rs.	1111.00	per 1 sqm
M	ARCH BEAMS - up to 1.5 M Span	Rs.	2760.00	Rs.	1616.00	Rs.	4376.00	per 1 cum
N	ARCH BEAMS - above 1.5 M Span	Rs.	2799.00	Rs.	1639.00	Rs.	4438.00	per 1 cum
O	DOME SLABS	Rs.	5207.00	Rs.	2613.00	Rs.	7820.00	per 1 cum
P	HELICAL STAIRCASES	Rs.	397.00	Rs.	199.00	Rs.	596.00	per 1 sqm
Q	SHEAR WALLS, RCC WALLS, WATER TANK WALLS	Rs.	205.00	Rs.	309.00	Rs.	514.00	per 1 sqm

Building Items (Civil) – Buildings SoR: 2012-13

SI	NAME OF THE STRUCTURAL MEMBER	Material Hire charges	Labour charges	Centring Charges for 2011-12	Unit of Measurement
1	2	3	4	5	6
HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height upto 3.66 M Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc.,					
D	LINTELS	Rs. 619.00	Rs. 596.00	Rs. 1215.00	per 1 cum
E	CHAJJAS - SUNSHADES	Rs. 122.00	Rs. 92.00	Rs. 214.00	per 1 sqm
F	COLUMNS	Rs. 93.00	Rs. 836.00	Rs. 929.00	per 1 cum
G	BEAMS	Rs. 936.00	Rs. 701.00	Rs. 1637.00	per 1 cum
H	SLABS - Up to 150 mm thick	Rs. 105.00	Rs. 79.00	Rs. 184.00	per 1 sqm
I	SLABS - above 150 mm - Up to 300 mm thick	Rs. 109.00	Rs. 82.00	Rs. 191.00	per 1 sqm
J	SLABS - above 300 mm thick	Rs. 114.00	Rs. 86.00	Rs. 200.00	per 1 sqm
K	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	Rs. 386.00	Rs. 289.00	Rs. 675.00	per 1 sqm
L	PERGOLA SLABS (Only Rib Beams)	Rs. 270.00	Rs. 203.00	Rs. 473.00	per 1 sqm
M	ARCH BEAMS - up to 1.5 M Span	Rs. 1065.00	Rs. 797.00	Rs. 1862.00	per 1 cum
N	ARCH BEAMS - above 1.5 M Span	Rs. 1080.00	Rs. 809.00	Rs. 1889.00	per 1 cum
O	DOME SLABS	Rs. 2009.00	Rs. 1289.00	Rs. 3298.00	per 1 cum
P	HELICAL STAIRCASES	Rs. 153.00	Rs. 98.00	Rs. 251.00	per 1 sqm
Q	SHEAR WALLS, RCC WALLS, WATER TANK WALLS	Rs. 79.00	Rs. 152.00	Rs. 231.00	per 1 sqm

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

HIRE CHARGES FOR ACCESS SCAFFOLDING - upto 3.66 M using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for BRICK MASONRY/ STONE MASONRY/ WALL PUTTY/ TEXTURE PAINTS etc - 1 sqm					
A	1st - Floor	Rs. 5.46	Rs. 40.43	Rs. 45.89	per 1 sqm
B	2nd - Floor	Rs. 5.46	Rs. 60.65	Rs. 66.10	per 1 sqm
C	3rd - Floor	Rs. 5.46	Rs. 80.86	Rs. 86.32	per 1 sqm
D	4th - Floor	Rs. 5.46	Rs. 101.08	Rs. 106.53	per 1 sqm
E	5th - Floor	Rs. 5.46	Rs. 121.29	Rs. 126.75	per 1 sqm
F	6th - Floor	Rs. 5.46	Rs. 141.51	Rs. 146.96	per 1 sqm
G	7th - Floor	Rs. 5.46	Rs. 161.72	Rs. 167.18	per 1 sqm
H	8th - Floor	Rs. 5.46	Rs. 181.94	Rs. 187.39	per 1 sqm
I	9th - Floor	Rs. 5.46	Rs. 202.15	Rs. 207.61	per 1 sqm
J	10th - Floor	Rs. 5.46	Rs. 222.37	Rs. 227.82	per 1 sqm
K	11th - Floor	Rs. 5.46	Rs. 242.58	Rs. 248.04	per 1 sqm
L	12th - Floor	Rs. 5.46	Rs. 262.80	Rs. 268.26	per 1 sqm
M	13th - Floor	Rs. 5.46	Rs. 283.01	Rs. 288.47	per 1 sqm
N	14th - Floor	Rs. 5.46	Rs. 303.23	Rs. 308.69	per 1 sqm
O	15th - Floor	Rs. 5.46	Rs. 323.45	Rs. 328.90	per 1 sqm

Building Items (Civil) – Buildings SoR: 2012-13

SI	NAME OF THE STRUCTURAL MEMBER	Material Hire charges		Labour charges		Centring Charges for 2011-12		Unit of Measure-ment
1	2	3		4		5		6
HIRE CHARGES FOR ACCESS SCAFFOLDING - upto 3.66 M using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for PLASTERING to WALLS - 1 sqm								
A	1st - Floor	Rs.	0.55	Rs.	4.04	Rs.	4.59	per 1 sqm
B	2nd - Floor	Rs.	0.55	Rs.	6.06	Rs.	6.61	per 1 sqm
C	3rd - Floor	Rs.	0.55	Rs.	8.09	Rs.	8.63	per 1 sqm
D	4th - Floor	Rs.	0.55	Rs.	10.11	Rs.	10.65	per 1 sqm
E	5th - Floor	Rs.	0.55	Rs.	12.13	Rs.	12.67	per 1 sqm
F	6th - Floor	Rs.	0.55	Rs.	14.15	Rs.	14.70	per 1 sqm
G	7th - Floor	Rs.	0.55	Rs.	16.17	Rs.	16.72	per 1 sqm
H	8th - Floor	Rs.	0.55	Rs.	18.19	Rs.	18.74	per 1 sqm
I	9th - Floor	Rs.	0.55	Rs.	20.22	Rs.	20.76	per 1 sqm
J	10th - Floor	Rs.	0.55	Rs.	22.24	Rs.	22.78	per 1 sqm
K	11th - Floor	Rs.	0.55	Rs.	24.26	Rs.	24.80	per 1 sqm
L	12th - Floor	Rs.	0.55	Rs.	26.28	Rs.	26.83	per 1 sqm
M	13th - Floor	Rs.	0.55	Rs.	28.30	Rs.	28.85	per 1 sqm
N	14th - Floor	Rs.	0.55	Rs.	30.32	Rs.	30.87	per 1 sqm
O	15th - Floor	Rs.	0.55	Rs.	32.34	Rs.	32.89	per 1 sqm

HIRE CHARGES FOR STAGE SCAFFOLDING - upto 3.66 M using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for CEILING PLASTERING - 1 sqm								
A	1st - Floor	Rs.	1.28	Rs.	8.00	Rs.	9.28	per 1 sqm
B	2nd - Floor	Rs.	1.28	Rs.	12.00	Rs.	13.28	per 1 sqm
C	3rd - Floor	Rs.	1.28	Rs.	16.00	Rs.	17.28	per 1 sqm
D	4th - Floor	Rs.	1.28	Rs.	20.00	Rs.	21.28	per 1 sqm
E	5th - Floor	Rs.	1.28	Rs.	24.00	Rs.	25.28	per 1 sqm
F	6th - Floor	Rs.	1.28	Rs.	28.00	Rs.	29.28	per 1 sqm
G	7th - Floor	Rs.	1.28	Rs.	32.00	Rs.	33.28	per 1 sqm
H	8th - Floor	Rs.	1.28	Rs.	36.00	Rs.	37.28	per 1 sqm
I	9th - Floor	Rs.	1.28	Rs.	40.00	Rs.	41.28	per 1 sqm
J	10th - Floor	Rs.	1.28	Rs.	44.00	Rs.	45.27	per 1 sqm
K	11th - Floor	Rs.	1.28	Rs.	48.00	Rs.	49.27	per 1 sqm
L	12th - Floor	Rs.	1.28	Rs.	51.99	Rs.	53.27	per 1 sqm
M	13th - Floor	Rs.	1.28	Rs.	55.99	Rs.	57.27	per 1 sqm
N	14th - Floor	Rs.	1.28	Rs.	59.99	Rs.	61.27	per 1 sqm
O	15th - Floor	Rs.	1.28	Rs.	63.99	Rs.	65.27	per 1 sqm

Building Items (Civil) – Buildings SoR: 2012-13

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

FLOOR		LINTELS	CHAJJAS - SUNSHADES	COLUM NS	BEAMS	SLABS - Up to 150 mm thick	SLABS - above 150 mm - Up to 300 mm thick	SLABS - above 300 mm thick	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	PERGOLA SLABS (Only Rib Beams)	ARCH BEAMS - up to 1.5 M Span	ARCH BEAMS - above 1.5 M Span	DOME SLABS	HELICAL STAIRCA SES	SHEAR WALLS, RCC WALLS, WATER TANK WALLS
Material Hire for any Floor	H	890.00	176.00	134.00	1347.00	151.00	157.00	164.00	555.00	389.00	1532.00	1553.00	2890.00	220.00	114.00
Labour Charges for 1st Floor	L	762.00	117.00	1070.00	898.00	101.00	105.00	109.00	370.00	259.00	1020.00	1035.00	1650.00	126.00	195.00
Total Hire Charges (H+L)	T	1652.00	293.00	1204.00	2245.00	252.00	262.00	273.00	925.00	648.00	2552.00	2588.00	4540.00	346.00	309.00
1st - Floor	L	762.00	117.00	1070.00	898.00	101.00	105.00	109.00	370.00	259.00	1020.00	1035.00	1650.00	126.00	195.00
2nd - Floor	L	1328.00	204.00	1865.00	1563.00	176.00	183.00	190.00	644.00	451.00	1778.00	1803.00	2874.00	219.00	215.00
3rd - Floor	L	1448.00	222.00	2034.00	1705.00	192.00	199.00	208.00	702.00	492.00	1939.00	1967.00	3136.00	239.00	234.00
4th - Floor	L	1569.00	241.00	2204.00	1847.00	208.00	216.00	225.00	761.00	533.00	2101.00	2131.00	3397.00	259.00	254.00
5th - Floor	L	1690.00	259.00	2373.00	1989.00	224.00	232.00	242.00	819.00	574.00	2262.00	2295.00	3658.00	279.00	273.00
6th - Floor	L	1811.00	278.00	2543.00	2132.00	240.00	249.00	260.00	878.00	615.00	2424.00	2459.00	3920.00	299.00	293.00
7th - Floor	L	1931.00	296.00	2712.00	2274.00	256.00	266.00	277.00	936.00	656.00	2586.00	2622.00	4181.00	318.00	312.00
8th - Floor	L	2052.00	315.00	2882.00	2416.00	272.00	282.00	294.00	995.00	697.00	2747.00	2786.00	4442.00	338.00	332.00
9th - Floor	L	2173.00	333.00	3051.00	2558.00	288.00	299.00	311.00	1053.00	738.00	2909.00	2950.00	4703.00	358.00	351.00
10th - Floor	L	2293.00	352.00	3221.00	2700.00	304.00	315.00	329.00	1112.00	779.00	3070.00	3114.00	4965.00	378.00	371.00
11th - Floor	L	2414.00	370.00	3390.00	2842.00	320.00	332.00	346.00	1170.00	820.00	3232.00	3278.00	5226.00	398.00	390.00
12th - Floor	L	2535.00	389.00	3560.00	2984.00	336.00	349.00	363.00	1229.00	861.00	3394.00	3442.00	5487.00	418.00	410.00
13th - Floor	L	2655.00	407.00	3729.00	3126.00	352.00	365.00	381.00	1287.00	902.00	3555.00	3606.00	5749.00	438.00	429.00
14th - Floor	L	2776.00	426.00	3899.00	3268.00	368.00	382.00	398.00	1346.00	943.00	3717.00	3770.00	6010.00	458.00	449.00
15th - Floor	L	2897.00	444.00	4068.00	3410.00	384.00	398.00	415.00	1404.00	984.00	3878.00	3934.00	6271.00	478.00	468.00

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

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

for unsupported height 7.32 M for the year 2011-12

FLOOR		LINTELS	CHAJJAS - SUNSHADES	COLUMNS	BEAMS	SLABS - Up to 150 mm thick	SLABS - above 150 mm - Up to 300 mm thick	SLABS - above 300 mm thick	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	PERGOLA SLABS (Only Rib Beams)	ARCH BEAMS - up to 1.5 M Span	ARCH BEAMS - above 1.5 M Span	DOME SLABS	HELICAL STAIRCASES	SHEAR WALL, RCC WALLS, WATER TANK WALLS
Material Hire for any Floor	H	1603.00	317.00	241.00	2427.00	273.00	283.00	296.00	1000.00	701.00	2760.00	2799.00	5207.00	397.00	205.00
Labour Charges for 1st Floor	L	1207.00	185.00	1695.00	1421.00	160.00	166.00	173.00	585.00	410.00	1616.00	1639.00	2613.00	199.00	309.00
Total Hire Charges (H+L)	T	2810.00	502.00	1936.00	3848.00	433.00	449.00	469.00	1585.00	1111.00	4376.00	4438.00	7820.00	596.00	514.00

1st - Floor	L	1207.00	185.00	1695.00	1421.00	160.00	166.00	173.00	585.00	410.00	1616.00	1639.00	2613.00	199.00	309.00
2nd - Floor	L	1328.00	204.00	1865.00	1563.00	176.00	183.00	190.00	644.00	451.00	1778.00	1803.00	2874.00	219.00	340.00
3rd - Floor	L	1448.00	222.00	2034.00	1705.00	192.00	199.00	208.00	702.00	492.00	1939.00	1967.00	3136.00	239.00	371.00
4th - Floor	L	1569.00	241.00	2204.00	1847.00	208.00	216.00	225.00	761.00	533.00	2101.00	2131.00	3397.00	259.00	402.00
5th - Floor	L	1690.00	259.00	2373.00	1989.00	224.00	232.00	242.00	819.00	574.00	2262.00	2295.00	3658.00	279.00	433.00
6th - Floor	L	1811.00	278.00	2543.00	2132.00	240.00	249.00	260.00	878.00	615.00	2424.00	2459.00	3920.00	299.00	464.00
7th - Floor	L	1931.00	296.00	2712.00	2274.00	256.00	266.00	277.00	936.00	656.00	2586.00	2622.00	4181.00	318.00	494.00
8th - Floor	L	2052.00	315.00	2882.00	2416.00	272.00	282.00	294.00	995.00	697.00	2747.00	2786.00	4442.00	338.00	525.00
9th - Floor	L	2173.00	333.00	3051.00	2558.00	288.00	299.00	311.00	1053.00	738.00	2909.00	2950.00	4703.00	358.00	556.00
10th - Floor	L	2293.00	352.00	3221.00	2700.00	304.00	315.00	329.00	1112.00	779.00	3070.00	3114.00	4965.00	378.00	587.00
11th - Floor	L	2414.00	370.00	3390.00	2842.00	320.00	332.00	346.00	1170.00	820.00	3232.00	3278.00	5226.00	398.00	618.00
12th - Floor	L	2535.00	389.00	3560.00	2984.00	336.00	349.00	363.00	1229.00	861.00	3394.00	3442.00	5487.00	418.00	649.00
13th - Floor	L	2655.00	407.00	3729.00	3126.00	352.00	365.00	381.00	1287.00	902.00	3555.00	3606.00	5749.00	438.00	680.00
14th - Floor	L	2776.00	426.00	3899.00	3268.00	368.00	382.00	398.00	1346.00	943.00	3717.00	3770.00	6010.00	458.00	711.00
15th - Floor	L	2897.00	444.00	4068.00	3410.00	384.00	398.00	415.00	1404.00	984.00	3878.00	3934.00	6271.00	478.00	742.00

Building Items (Civil) – Buildings SoR: 2012-13

CENTERING & SCAFFOLDING CHARGES- FLOOR WISE RATES for Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates,

Steel Centring Plates etc., for unsupported height 3.66 M for the year 2011-12

FLOOR		LINTELS	CHAJJAS - SUNSHADES	COLUMNS	BEAMS	SLABS - Up to 150 mm thick	SLABS - above 150 mm - Up to 300 mm thick	SLABS - above 300 mm thick	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	PERGOLA SLABS (Only Rib Beams)	ARCH BEAMS - up to 1.5 M Span	ARCH BEAMS - above 1.5 M Span	DOVE SLABS	HELICAL STAIRCASES	SHEAR WALLS, RCC WALLS, WATER TANK WALLS
Hire Charges	H	619.00	122.00	93.00	936.00	105.00	109.00	114.00	386.00	270.00	1065.00	1080.00	2009.00	153.00	79.00
LabourCharges	L	596.00	92.00	836.00	701.00	79.00	82.00	86.00	289.00	203.00	797.00	809.00	1289.00	98.00	152.00
Total Hire Charges (H+L)	T	1215.00	214.00	929.00	1637.00	184.00	191.00	200.00	675.00	473.00	1862.00	1889.00	3298.00	251.00	231.00

1st - Floor	L	596.00	92.00	836.00	701.00	79.00	82.00	86.00	289.00	203.00	797.00	809.00	1289.00	98.00	152.00
2nd - Floor	L	656.00	101.00	920.00	771.00	87.00	90.00	95.00	318.00	223.00	877.00	890.00	1418.00	108.00	167.00
3rd - Floor	L	715.00	110.00	1003.00	841.00	95.00	98.00	103.00	347.00	244.00	956.00	971.00	1547.00	118.00	182.00
4th - Floor	L	775.00	120.00	1087.00	911.00	103.00	107.00	112.00	376.00	264.00	1036.00	1052.00	1676.00	127.00	198.00
5th - Floor	L	834.00	129.00	1170.00	981.00	111.00	115.00	120.00	405.00	284.00	1116.00	1133.00	1805.00	137.00	213.00
6th - Floor	L	894.00	138.00	1254.00	1052.00	119.00	123.00	129.00	434.00	305.00	1196.00	1214.00	1934.00	147.00	228.00
7th - Floor	L	954.00	147.00	1338.00	1122.00	126.00	131.00	138.00	462.00	325.00	1275.00	1294.00	2062.00	157.00	243.00
8th - Floor	L	1013.00	156.00	1421.00	1192.00	134.00	139.00	146.00	491.00	345.00	1355.00	1375.00	2191.00	167.00	258.00
9th - Floor	L	1073.00	166.00	1505.00	1262.00	142.00	148.00	155.00	520.00	365.00	1435.00	1456.00	2320.00	176.00	274.00
10th - Floor	L	1132.00	175.00	1588.00	1332.00	150.00	156.00	163.00	549.00	386.00	1514.00	1537.00	2449.00	186.00	289.00
11th - Floor	L	1192.00	184.00	1672.00	1402.00	158.00	164.00	172.00	578.00	406.00	1594.00	1618.00	2578.00	196.00	304.00
12th - Floor	L	1252.00	193.00	1756.00	1472.00	166.00	172.00	181.00	607.00	426.00	1674.00	1699.00	2707.00	206.00	319.00
13th - Floor	L	1311.00	202.00	1839.00	1542.00	174.00	180.00	189.00	636.00	447.00	1753.00	1780.00	2836.00	216.00	334.00
14th - Floor	L	1371.00	212.00	1923.00	1612.00	182.00	189.00	198.00	665.00	467.00	1833.00	1861.00	2965.00	225.00	350.00
15th - Floor	L	1430.00	221.00	2006.00	1682.00	190.00	197.00	206.00	694.00	487.00	1913.00	1942.00	3094.00	235.00	365.00

WATER SUPPLY & SANITARY ITEMS

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
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	348.00
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	193.00
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	471.00
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	319.00
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	102.00
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	138.00
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	81.00
8	BMW-A.08	b) - do - labour charges only	1 RM	8.00
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	139.00
10	BMW-A.10	b) - do - labour charges only	1 RM	40.00
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	77.00
12	BMW-A.12	b) - do - labour charges only	1 RM	28.00
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	145.00
14	BMW-A.14	b) - do - labour charges only	1 RM	39.00
15	BMW-A.15	Supply of SWG SP-1 pipe conforming to ISI 651 - 4" dia (101.6mm)	1 RM	169.00
16	BMW-A.16	Supply of SWG SP-1 pipe conforming to ISI 651 - 6" dia (152.4mm)	1 RM	293.00
17	BMW-A.17	Supply of SWG SP-1 pipe conforming to ISI 651 - 8" dia (203.2mm)	1 RM	453.00
18	BMW-A.18	Supply of SWG SP-1 pipe conforming to ISI 651 - 10" dia (254 mm)	1 RM	829.00
19	BMW-A.19	Supply of SWG SP-1 pipe conforming to ISI 651 - 12" dia (300 mm)	1 RM	1195.00
20	BMW-A.20	Supply of SWG SP-1 pipe conforming to ISI 651 - 14" dia (350 mm)	1 RM	1626.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
21	BMW-A.21	Supply of SWG SP-1 pipe conforming to ISI 651 - 16" dia (400 mm)	1 RM	1961.00
22	BMW-A.22	Supply of SWG SP-1 pipe conforming to ISI 651 - 18" dia (450 mm)	1 RM	2368.00
23	BMW-A.23	Supply of SWG SP-2 pipe conforming to ISI 651 - 4" dia (101.6mm)	1 RM	208.00
24	BMW-A.24	Supply of SWG SP-2 pipe conforming to ISI 651 - 6" dia (152.4mm)	1 RM	310.00
25	BMW-A.25	Supply of SWG SP-2 pipe conforming to ISI 651 - 8" dia (203.2mm)	1 RM	559.00
26	BMW-A.26	Supply of SWG SP-2 pipe conforming to ISI 651 - 10" dia (254 mm)	1 RM	879.00
27	BMW-A.27	Supply of SWG SP-2 pipe conforming to ISI 651 - 12" dia (300 mm)	1 RM	1350.00
28	BMW-A.28	Supply of SWG SP-2 pipe conforming to ISI 651 - 14" dia (350 mm)	1 RM	1751.00
29	BMW-A.29	Supply of SWG SP-2 pipe conforming to ISI 651 - 16" dia (400 mm)	1 RM	2016.00
30	BMW-A.30	Supply of SWG SP-2 pipe conforming to ISI 651 - 18" dia (450 mm)	1 RM	2573.00
31	BMW-A.31	Supply of SWG SP-3 pipe conforming to ISI 651 - 4" dia (101.6mm)	1 RM	266.00
32	BMW-A.32	Supply of SWG SP-3 pipe conforming to ISI 651 - 6" dia (152.4mm)	1 RM	387.00
33	BMW-A.33	Supply of SWG SP-3 pipe conforming to ISI 651 - 8" dia (203.2mm)	1 RM	685.00
34	BMW-A.34	Supply of SWG SP-3 pipe conforming to ISI 651 - 10" dia (254 mm)	1 RM	1041.00
35	BMW-A.35	Supply of SWG SP-3 pipe conforming to ISI 651 - 12" dia (300 mm)	1 RM	1455.00
36	BMW-A.36	Supply of SWG SP-3 pipe conforming to ISI 651 - 14" dia (350 mm)	1 RM	1848.00
37	BMW-A.37	Supply of SWG SP-2 pipe conforming to ISI 651 - 16" dia (400 mm)	1 RM	2127.00
38	BMW-A.38	Supply of SWG SP-3 pipe conforming to ISI 651 - 18" dia (450 mm)	1 RM	2893.00
39	BMW-A.39	Supply of SWG Bends conforming to IS standards -100 mm dia	Each	85.00
40	BMW-A.40	Supply of SWG Bends conforming to IS standards -150 mm dia	Each	157.00
41	BMW-A.41	Supply of SWG Bends conforming to IS standards -200 mm dia	Each	296.00
42	BMW-A.42	Supply of SWG Bends conforming to IS standards -250 mm dia	Each	600.00
43	BMW-A.43	Supply of SWG Bends conforming to IS standards -300 mm dia	Each	762.00
44	BMW-A.44	Supply of SWG Bends conforming to IS standards -350 mm dia	Each	952.00
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	163.00
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	241.00
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	262.00
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	373.00
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	437.00
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	501.00
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	589.00
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	778.00
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	963.00
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	1152.00
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	840.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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	1076.00
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	1312.00
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	1549.00
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	1784.00
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	1048.00
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	1344.00
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	1639.00
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	1933.00
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	2229.00
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	2522.00
66	BMW-A.66	Supply of SWG Plugs conforming to IS standards for 100 mm dia	Each	31.00
67	BMW-A.67	Supply of SWG Plugs conforming to IS standards for 150 mm dia	Each	59.00
68	BMW-A.68	Supply of SWG Plugs conforming to IS standards for 200 mm dia	Each	112.00
69	BMW-A.69	Supply of SWG Plugs conforming to IS standards for 250 mm dia	Each	194.00
70	BMW-A.70	Supply of SWG Plugs conforming to IS standards for 300 mm dia	Each	307.00
71	BMW-A.71	Supply of SWG Plugs conforming to IS standards for 350 mm dia	Each	386.00
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	530.00
73	BMW-A.73	Supply of SWG Gully Traps (Round & Square) conforming to IS standards 150 x 100 mm	Each	237.00
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	23.00
75	BMW-A.75	Supply of SWG Saddles conforming to IS standards 150 x 100 mm		172.00
76	BMW-A.76	Supply of SWG Saddles conforming to IS standards 200 x 100 mm		296.00
77	BMW-A.77	Supply of SWG Saddles conforming to IS standards 250 x 100 mm		479.00
B		MAN HOLES & INSPECTION CHAMBERS - AS PER - IS 4111 : Part 1 : 1986		

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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	5246.00
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	8288.00
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	4814.00
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	7455.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
82	BMW-B.05	Constructing 914.4 mm x 457.2 mm (3'0"x1'6") brick in CM 1:6 prop. Masonry Inspection chamber up to 914.4 mm (3'0") and fitted with light weight 914.4 mm x 457.2 mm (3'0"x1'6") C.I frame and cover of 40 Kg.	Each	5008.00
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	3020.00
84	BMW-B.07	a) Making drainage connection in the existing inspection including all repairs	Each	104.00
85	BMW-B.08	b) - do - labour charges only	Each	58.00
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	645.00
87	BMW-C.02	4" dia (101.6mm) Single Socket	1 RM	737.00
88	BMW-C.03	6" dia (152.4mm) Single Socket	1 RM	1289.00
89	BMW-C.04	3" dia (76.2 mm) Double Socket	1 RM	705.00
90	BMW-C.05	4" dia (101.6mm) Double Socket	1 RM	805.00
91	BMW-C.06	6" dia (152.4mm) Double Socket	1 RM	1360.00
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	173.00
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	210.00
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	273.00
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	530.00
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	284.00
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	332.00
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	702.00
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	55.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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	382.00
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	520.00
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	1214.00
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	329.00
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	451.00
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	1083.00
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	75.00
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	593.00
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	687.00
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	1696.00
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	516.00
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	637.00
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	1589.00
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	69.00
114	BMW-C.29	Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 76.20 mm (3") C.I. Pipe	Each	253.00
115	BMW-C.30	Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 101.6 mm (4") C.I. Pipe	Each	354.00
116	BMW-C.31	Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 152.4 mm (6") C.I. Pipe	Each	772.00
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	301.00
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	401.00
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	790.00
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	348.00
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	451.00
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	807.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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	35.00
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	345.00
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	412.00
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	279.00
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	45.00
128	BMW-C.43	Boxing of Nahany traps in RCC floors	Each	146.00
129	BMW-C.44	Boxing of W.C Trap in R.C.C floors	Each	292.00
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	154.00
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	193.00
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	554.00
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	805.00
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	805.00
135	BMW-D.03	Labour charges only for fixing Indian pattern W.C with "P" or "S" trap	Each	230.00
136	BMW-D.04	Supplying & Fixing Orissa Pan white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap Hindware/ Parryware/ Neycer - ISI Mark: 580 mm x 440 mm	Each	1052.00
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	1150.00
138	BMW-D.06	Labour charges only Fixing Orissa pan W.C with "P" or "S" trap	Each	288.00
139	BMW-D.07	Supplying & Fixing porcelain foot rest for squatting I.W.C. (Rectangular pair) of sizes 250 mm x 125 mm x 15 mm thick each foot rest 1st quality ISI marked conforming to IS:2556-Part-10:1974	Pair	196.00
140	BMW-D.08	Labour charges only for fixing porcelain foot rest for squatting I.W.C. (Rectangular pair)	Pair	52.00
141	BMW-D.09	Providing Brick masonry seat for Orissa pan/ Indian W.C. using 2nd class bricks as per standard practice	Each	253.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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	75.00
143	BMW-D.11	Supplying & Fixing low down porcelain flushing tank 10 Lit Capacity Hindustan Sanitary ware/ parry/ Neycer with internal components	Each	1955.00
144	BMW-D.12	Labour charges only for fixing low down porcelain flushing tank with internal components	Each	403.00
145	BMW-D.13	Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of Hindustan / Neycer or Parryware make white glazed with 'P' trap	Each	1380.00
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	1438.00
147	BMW-D.15	Labour charges only for fixing European Water Closet with 'P' or 'S' trap as per standard practice	Each	201.00
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	391.00
149	BMW-D.17	Labour charges only for fixing plastic seat and lid for European water closet	Each	58.00
150	BMW-D.18	Supply, Installation and commissioning approved make floor mounted EWC (suit) CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap 15 mm angle stop cock 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects: White Colour	Each	7475.00
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	10925.00
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	13915.00
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	2013.00
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	1783.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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	2185.00
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	1323.00
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	1610.00
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	1150.00
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	1495.00
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	288.00
161	BMW-D.29	Supplying and Fixing Pedestal for Wash Hand Basin (H.S.W / Parry / Earthenware)	Each	932.00
162	BMW-D.30	Labour charges only for fixing pedestal for wash hand basin	Each	104.00
163	BMW-D.31	Supplying & Fixing 31.75 mm C.P bottle trap (Heavy type) Parryware or equivalent	Each	368.00
164	BMW-D.32	Labour charges only for fixing bottle trap to the wash hand basin	Each	40.00
165	BMW-D.33	Supplying & Fixing white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with internal flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995	Each	690.00
166	BMW-D.34	Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete Indian make (HSW/Parry/Neycer) : 410 x 265 x 305 mm	Each	2070.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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	2300.00
168	BMW-D.36	Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete	Each	115.00
169	BMW-D.37	Supplying & Fixing Indian make white glazed vitreous china porcelain sink conforming to IS:2556-Part-5-1994 on cantilever brackets with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 : 600 x 400 x 250	Each	3680.00
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	4140.00
171	BMW-D.39	Labour charges only for fixing Vitreous china porcelain sinks with waste fittings, rubber plug, chain, cantilever brackets etc.	Each	288.00
172	BMW-D.40	a) S & F 609.6 x 457.2 x 254 mm RCC terrazzo finished sink (or constructed at site with 50.8mm thick) brass plug and chain including CI cantilever brackets	Each	587.00
173	BMW-D.41	b) - do - labour charges only	Each	184.00
E		TAPS & FAUCETS		
174	BMW-E.01	a) S & F 12.7 mm NP stop cock Indian make heavy duty Seiko/ Senior/ Nice/ Senior/ Nice or equivalent	Each	403.00
175	BMW-E.02	b) - do - labour charges only	Each	23.00
176	BMW-E.03	a) S & F concealed stop cock 12.7 mm (1/2") Indian Make heavy duty Seiko/ Senior/ Nice or equivalent	Each	460.00
177	BMW-E.04	b) - do - labour charges only	Each	35.00
178	BMW-E.05	a) S & F angle stop cock 12.7 mm dia first quality Indian Make heavy duty Seiko/ Senior/ Nice or equivalent	Each	403.00
179	BMW-E.06	b) - do - labour charges only	Each	35.00
180	BMW-E.07	a) S&F 12.7 mm N.P bib tap Indian make heavy dutys Seiko/ Senior/ Nice or equivalent	Each	345.00
181	BMW-E.08	b) - do - labour charges only	Each	23.00
182	BMW-E.09	a) S&F 12.7mm N.P bib tap Indian make 3heavy duty	Each	219.00
183	BMW-E.10	b) - do - labour charges only	Each	23.00
184	BMW-E.11	a)S & F 31.75 mm brass plumber Union best Indian first quality	Each	58.00
185	BMW-E.12	b) - do - labour charges only	Each	12.00
186	BMW-E.13	a) S & F 12.7 mm brass stop cock Indian make heavy duty	Each	196.00
187	BMW-E.14	b) - do - labour charges only	Each	23.00
188	BMW-E.15	a) S & F 12.7 mm brass stop cock Indian make heavy duty	Each	173.00
189	BMW-E.16	b) - do - labour charges only	Each	23.00
190	BMW-E.17	a) S & F 12.7 mm brass bib cock Indian make heavy duty	Each	196.00
191	BMW-E.18	b) - do - labour charges only	Each	23.00
192	BMW-E.19	a) S & F 12.7 mm brass bib cock Indian make heavy duty	Each	173.00
193	BMW-E.20	b) - do - labour charges only	Each	23.00
194	BMW-E.21	S & F CP Long body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make Seiko/ Senior/ Nice or equivalent	Each	541.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
195	BMW-E.22	S & F CP Short body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make Seiko/ Senior/ Nice or equivalent	Each	518.00
196	BMW-E.23	S & F 12.7mm heavy duty dia high neck pillar cock 1st quality Indian make Seiko/ Senior/ Nice or equivalent	Each	989.00
197	BMW-E.24	a) S & F 12.7 mm heavy duty NP Swan Neck Pillar cock Seiko/ Senior/ Nice or equivalent	Each	989.00
198	BMW-E.25	b) - do - labour charges only	Each	40.00
199	BMW-E.26	a) S & F 12.7 mm heavy duty NP Sink cock Seiko/ Senior/ Nice or equivalent	Each	989.00
200	BMW-E.27	b) - do - labour charges only	Each	29.00
201	BMW-E.28	S&F 12.7 mm dia NP pillar cock heavy duty 1st quality Indian make Seiko/ Senior/ Nice or equivalent	Each	518.00
202	BMW-E.29	S&F 12.7 mm dia NP push cock 1st quality	Each	230.00
203	BMW-E.30	S&F 12.7 mm dia NP lift cock 1st quality	Each	201.00
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	201.00
205	BMW-E.32	b) - do - labour charges only	Each	23.00
206	BMW-E.33	a) S & F 31.75 mm PVC bottle trap	Each	121.00
207	BMW-E.34	b) - do - labour charges only	Each	23.00
208	BMW-E.35	a) S & F 38.1 mm brass plumber union	Each	58.00
209	BMW-E.36	b) - do - labour charges only	Each	12.00
210	BMW-E.37	a) S & F 19.05 mm heavy duty NP stop cock Indian make with ISI mark Seiko/ Senior/ Nice or equivalent	Each	518.00
211	BMW-E.38	b) - do - labour charges only	Each	23.00
F		G.I. PIPES & FITTINGS		
212	BMW-F.01	S & F GI union 12.7 mm 1st Quality	Each	33.00
213	BMW-F.02	S & F GI union 19.05 mm 1st Quality	Each	40.00
214	BMW-F.03	S & F GI union 25.4 mm 1st Quality	Each	61.00
215	BMW-F.04	S & F GI union 31.75 mm 1st Quality	Each	76.00
216	BMW-F.05	S & F GI union 38.1 mm 1st Quality	Each	91.00
217	BMW-F.06	S & F GI union 50.8 mm 1st Quality	Each	112.00
218	BMW-F.07	S & F GI connector 25.4 mm dia	Each	67.00
219	BMW-F.08	S & F 12.7 mm GI 'T' A class 1st quality	Each	41.00
220	BMW-F.09	S & F 31.75 mm dia GI bend 1st quality	Each	61.00
221	BMW-F.10	S & F 31.75 mm dia GI 'T' 1st Quality	Each	60.00
222	BMW-F.11	a) S & F 25.4 mm copper ball cock ith PVC ball Indian make ISI mark	Each	348.00
223	BMW-F.12	b) - do - labour charges only	Each	36.00
224	BMW-F.13	a) S & F 19.05 mm copper ball cock ith PVC ball Indian make ISI mark	Each	285.00
225	BMW-F.14	b) - do - labour charges only	Each	33.00
226	BMW-F.15	a) S & F 12.7 mm copper ball cock ith PVC ball Indian make ISI mark	Each	184.00
227	BMW-F.16	b) - do - labour charges only	Each	36.00
228	BMW-F.17	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 25 mm NB Size	Each	610.00
229	BMW-F.18	b) - do - labour charges only	Each	36.00
230	BMW-F.19	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 20 mm NB Size	Each	414.00
231	BMW-F.20	b) - do - labour charges only	Each	36.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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	306.00
233	BMW-F.22	b) - do - labour charges only	Each	36.00
234	BMW-F.23	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 32 mm NB Size	Each	912.00
235	BMW-F.24	b) - do - labour charges only	Each	36.00
236	BMW-F.25	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 40 mm NB Size	Each	1243.00
237	BMW-F.26	b) - do - labour charges only	Each	55.00
238	BMW-F.27	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 50 mm NB Size	Each	1795.00
239	BMW-F.28	b) - do - labour charges only	Each	74.00
240	BMW-F.29	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 65 mm NB Size	Each	3424.00
241	BMW-F.30	b) - do - labour charges only	Each	92.00
242	BMW-F.31	a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 80 mm NB Size	Each	4845.00
243	BMW-F.32	b) - do - labour charges only	Each	109.00
244	BMW-F.33	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 15 mm NB Size	Each	268.00
245	BMW-F.34	b) - do - labour charges only	Each	46.00
246	BMW-F.35	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 25 mm NB Size	Each	572.00
247	BMW-F.36	b) - do - labour charges only	Each	55.00
248	BMW-F.37	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 40 mm NB Size	Each	1256.00
249	BMW-F.38	b) - do - labour charges only	Each	92.00
250	BMW-F.39	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 50 mm NB Size	Each	1804.00
251	BMW-F.40	b) - do - labour charges only	Each	92.00
252	BMW-F.41	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 20 mm NB Size	Each	370.00
253	BMW-F.42	b) - do - labour charges only	Each	44.00
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	204.00
255	BMW-F.44	b) - do - labour charges only	Each	44.00
256	BMW-F.45	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 20 mm NB Size	Each	273.00
257	BMW-F.46	b) - do - labour charges only	Each	44.00
258	BMW-F.47	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 25 mm NB Size	Each	361.00
259	BMW-F.48	b) - do - labour charges only	Each	44.00
260	BMW-F.49	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 32 mm NB Size	Each	539.00
261	BMW-F.50	b) - do - labour charges only	Each	44.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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	811.00
263	BMW-F.52	b) - do - labour charges only	Each	44.00
264	BMW-F.53	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 50 mm NB Size	Each	1174.00
265	BMW-F.54	b) - do - labour charges only	Each	44.00
266	BMW-F.55	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 15 mm NB Size	Each	317.00
267	BMW-F.56	b) - do - labour charges only	Each	44.00
268	BMW-F.57	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 20 mm NB Size	Each	414.00
269	BMW-F.58	b) - do - labour charges only	Each	44.00
270	BMW-F.59	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 25 mm NB Size	Each	608.00
271	BMW-F.60	b) - do - labour charges only	Each	44.00
272	BMW-F.61	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 32 mm NB Size	Each	1103.00
273	BMW-F.62	b) - do - labour charges only	Each	44.00
274	BMW-F.63	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 40 mm NB Size	Each	1656.00
275	BMW-F.64	b) - do - labour charges only	Each	44.00
276	BMW-F.65	a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 50 mm NB Size	Each	2897.00
277	BMW-F.66	b) - do - labour charges only	Each	44.00
278	BMW-F.67	a) S& F 15 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	136.00
279	BMW-F.68	b) - do - labour charges only	1 RM	33.00
280	BMW-F.69	a) S& F 20 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	156.00
281	BMW-F.70	b) - do - labour charges only	1 RM	33.00
282	BMW-F.71	a) S& F 25 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	205.00
283	BMW-F.72	b) - do - labour charges only	1 RM	33.00
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	286.00
285	BMW-F.74	b) - do - labour charges only	1 RM	33.00
286	BMW-F.75	a) S& F 40 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	323.00
287	BMW-F.76	b) - do - labour charges only	1 RM	36.00
288	BMW-F.77	a) S& F 50 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	352.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
289	BMW-F.78	b) - do - labour charges only	1 RM	55.00
290	BMW-F.79	a) S& F 15 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	151.00
291	BMW-F.80	b) - do - labour charges only	1 RM	33.00
292	BMW-F.81	a) S& F 20 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	168.00
293	BMW-F.82	b) - do - labour charges only	1 RM	33.00
294	BMW-F.83	a) S& F 25 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	220.00
295	BMW-F.84	b) - do - labour charges only	1 RM	33.00
296	BMW-F.85	a) S& F 32 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	309.00
297	BMW-F.86	b) - do - labour charges only	1 RM	33.00
298	BMW-F.87	a) S& F 40 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	346.00
299	BMW-F.88	b) - do - labour charges only	1 RM	36.00
300	BMW-F.89	a) S& F 50 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	373.00
301	BMW-F.90	b) - do - labour charges only	1 RM	55.00
302	BMW-F.91	S & F 65 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 with GI fittings such as elbows tees couplings, nipples, plugs including excavation for trenches and refilling the trenches complete except for GI bends union and GI connectors with checkout and socket Tata or Zenith make or equivalent.	1 RM	661.00
303	BMW-F.92	a)S & F 12.7 mm holder bat clamps	Each	10.00
304	BMW-F.93	b) - do - labour charges only	Each	6.00
305	BMW-F.94	a)S & F 19.05 mm holder bat clamps	Each	16.00
306	BMW-F.95	b) - do - labour charges only	Each	6.00
307	BMW-F.96	a)S & F 25.4 mm holder bat clamps	Each	20.00
308	BMW-F.97	b) - do - labour charges only	Each	6.00
309	BMW-F.98	a)S & F 38.1 mm holder bat clamps	Each	24.00
310	BMW-F.99	b) - do - labour charges only	Each	7.00
311	BMW-F.100	a) S & F 12.7 x 152.0 mm NP shower rose heavy	Each	152.00
312	BMW-F.101	b) - do - labour charges only	Each	16.00
313	BMW-F.102	a) S & F 12.7 x 137.0 mm NP shower rose heavy	Each	146.00
314	BMW-F.103	b) - do - labour charges only	Each	18.00
315	BMW-F.104	a) S & F 12.7 x 101.6 mm NP shower rose heavy	Each	139.00
316	BMW-F.105	b) - do - labour charges only	Each	18.00
317	BMW-F.106	a) S & F 12.7 x 88.9 CP fancy shower	Each	247.00
318	BMW-F.107	b) - do - labour charges only	Each	18.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
319	BMW-F.108	a) Supplying & fixing 12.7 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	35.00
320	BMW-F.109	b) - do - labour charges only	Each	18.00
321	BMW-F.110	a) Supplying & fixing 19.05 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	51.00
322	BMW-F.111	b) - do - labour charges only	Each	17.00
323	BMW-F.112	a) Supplying & fixing 25.4 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	60.00
324	BMW-F.113	b) - do - labour charges only	Each	20.00
325	BMW-F.114	a) Taking branch water connection from the existing 25.4 mm GI pipe including cutting threading, etc, complete with fitting	Each	117.00
326	BMW-F.115	b) - do - labour charges only	Each	33.00
327	BMW-F.116	a) Taking branch water connection from the existing 19.05 mm GI pipe including cutting threading, etc, complete with fitting,	Each	67.00
328	BMW-F.117	b) - do - labour charges only	Each	30.00
329	BMW-F.118	a) Taking branch water connection from the existing 12.7 mm GI pipe including cutting threading, etc, complete with fitting,	Each	51.00
330	BMW-F.119	b) - do - labour charges only	Each	25.00
331	BMW-F.120	Supplying & fixing leather washers for 12.7 mm bib tap and stop cock	Each	1.00
332	BMW-F.121	Supplying & fixing leather washers for 19.05 mm bib tap and stop cock	Each	3.00
333	BMW-F.122	Supplying & Fixing 12.7 mm fibre washers	Each	3.00
334	BMW-F.123	Supplying & Fixing 19.05 mm fibre washers	Each	3.00
G		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	5.00
336	BMW-G.02	b) - do - labour charges only	1 Lit	0.00
337	BMW-G.03	Supply of Plastic storage tank lid with hinges	Each	69.00
338	BMW-G.04	Supply & Fixing 76.2 mm dia PVC elbow 1st quality	Each	43.00
339	BMW-G.05	Supply & fixing 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality	Each	24.00
340	BMW-G.06	Supply & Fixing 38.1 mm dia PVC solid waste pipe outlet	Each	81.00
341	BMW-G.07	Supply & fixing Fancy PVC shelf including all fittings	Each	193.00
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	1323.00
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	1553.00
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	748.00
345	BMW-G.11	75 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	232.00
346	BMW-G.12	90 mm dia 3 M single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	368.00
347	BMW-G.13	110 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	440.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
348	BMW-G.14	75 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	262.00
349	BMW-G.15	90 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	417.00
350	BMW-G.16	110 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	511.00
351	BMW-G.17	75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	163.00
352	BMW-G.18	90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	252.00
353	BMW-G.19	110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	313.00
354	BMW-G.20	75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	174.00
355	BMW-G.21	90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	267.00
356	BMW-G.22	110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	324.00
357	BMW-G.23	75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	120.00
358	BMW-G.24	90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	184.00
359	BMW-G.25	110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	221.00
360	BMW-G.26	75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	101.00
361	BMW-G.27	90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	148.00
362	BMW-G.28	110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	191.00
363	BMW-G.29	75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	61.00
364	BMW-G.30	90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	102.00
365	BMW-G.31	110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	127.00
366	BMW-G.32	160 MM dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	1048.00
367	BMW-G.33	75 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	393.00
368	BMW-G.34	90 mm dia 3 M single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	633.00
369	BMW-G.35	110 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	753.00
370	BMW-G.36	75 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	430.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
371	BMW-G.37	90 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm – Prince / Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	682.00
372	BMW-G.38	110 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	831.00
373	BMW-G.39	75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	258.00
374	BMW-G.40	90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	401.00
375	BMW-G.41	110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	477.00
376	BMW-G.42	75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	275.00
377	BMW-G.43	90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	417.00
378	BMW-G.44	110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	515.00
379	BMW-G.45	75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	186.00
380	BMW-G.46	90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	289.00
381	BMW-G.47	110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	352.00
382	BMW-G.48	75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	161.00
383	BMW-G.49	90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	236.00
384	BMW-G.50	110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	285.00
385	BMW-G.51	75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	104.00
386	BMW-G.52	90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	162.00
387	BMW-G.53	110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	206.00
388	BMW-G.54	160 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm - Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand	Each	1714.00
389	BMW-G.55	75 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	45.00
390	BMW-G.56	90 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	64.00
391	BMW-G.57	110 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	75.00
392	BMW-G.58	75 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	61.00
393	BMW-G.59	90 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	86.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
394	BMW-G.60	110 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	97.00
395	BMW-G.61	75 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	35.00
396	BMW-G.62	90 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	49.00
397	BMW-G.63	110 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	64.00
398	BMW-G.64	75 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	61.00
399	BMW-G.65	90 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	89.00
400	BMW-G.66	110 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	107.00
401	BMW-G.67	75 mm dia - Single Tee - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	54.00
402	BMW-G.68	90 mm dia - Single Tee - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	81.00
403	BMW-G.69	110 mm dia - Single Tee - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	98.00
404	BMW-G.70	75 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	66.00
405	BMW-G.71	90 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	98.00
406	BMW-G.72	110 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	118.00
407	BMW-G.73	75 mm dia - Double Tee - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	114.00
408	BMW-G.74	90 mm dia - Double Tee - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	166.00
409	BMW-G.75	110 mm dia - Double Tee - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	236.00
410	BMW-G.76	75 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	182.00
411	BMW-G.77	90 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	260.00
412	BMW-G.78	110 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	268.00
413	BMW-G.79	75 mm dia - Single 'Y' - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	67.00
414	BMW-G.80	90 mm dia - Single 'Y' - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	107.00
415	BMW-G.81	110 mm dia - Single 'Y' - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	124.00
416	BMW-G.82	75 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	86.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
417	BMW-G.83	90 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	135.00
418	BMW-G.84	110 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	155.00
419	BMW-G.85	75 mm dia - Double 'Y' - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	93.00
420	BMW-G.86	90 mm dia - Double 'Y' - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	144.00
421	BMW-G.87	110 mm dia - Double 'Y' - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	163.00
422	BMW-G.88	75 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	120.00
423	BMW-G.89	90 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	187.00
424	BMW-G.90	110 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	210.00
425	BMW-G.91	75 mm dia - Coupler - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	32.00
426	BMW-G.92	90 mm dia - Coupler - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	46.00
427	BMW-G.93	110 mm dia - Coupler - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	52.00
428	BMW-G.94	90 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	54.00
429	BMW-G.95	110 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	52.00
430	BMW-G.96	90 x 110 mm dia - Reducer - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	72.00
431	BMW-G.97	63 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	8.00
432	BMW-G.98	75 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	13.00
433	BMW-G.99	90 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	15.00
434	BMW-G.100	110 mm dia - Vent Cowl - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	17.00
435	BMW-G.101	40 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	10.00
436	BMW-G.102	50 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	13.00
437	BMW-G.103	63 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	13.00
438	BMW-G.104	75 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	14.00
439	BMW-G.105	90 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	15.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
440	BMW-G.106	110 mm - Pipe Clip - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	16.00
441	BMW-G.107	160 mm dia - Pipe Clip - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	32.00
442	BMW-G.108	P' Trap (Small without Air vent) 110 mm - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	171.00
443	BMW-G.109	P' Trap (Small with Air vent) 110 mm - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	189.00
444	BMW-G.110	P' Trap (Big with Air vent) 110 mm - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	216.00
445	BMW-G.111	P' Trap (Big without Air vent) 110 mm - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	199.00
446	BMW-G.112	Floor Trap (Bell Mouth) 110 mm - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	206.00
447	BMW-G.113	Bell Mouth Trap 7 " (177.8 mm) - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	300.00
448	BMW-G.114	4" (101.6 mm) Nahany Trap (Without Jali with inlet)UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	102.00
449	BMW-G.115	3" (76.2 mm) Nahany Trap (without Jali without inlet)UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	79.00
450	BMW-G.116	4" (101.6 mm) Nahany Trap (without inlet with out Jali)UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	98.00
451	BMW-G.117	Mini Trap - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	48.00
452	BMW-G.118	3" (76.2 mm) Nahany Trap with Jali - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	93.00
453	BMW-G.119	4" (101.6 mm) multi floor trap with Jali- UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	131.00
454	BMW-G.120	4" (101.6) multi floor trap with out Jalli- UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	102.00
455	BMW-G.121	Round Jali - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	22.00
456	BMW-G.122	Square tile & Jalli - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	35.00
457	BMW-G.123	Pipe connector (with LIP ring) - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	137.00
458	BMW-G.124	Pipe connector (with out LIP ring) - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	106.00
459	BMW-G.125	4" (101.6 mm) Floor Trap - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	125.00
460	BMW-G.126	5" (127.mm) floor Trap - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	133.00
461	BMW-G.127	75 mm dia - Door cap - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	52.00
462	BMW-G.128	90 mm dia - Door cap - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	58.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
463	BMW-G.129	110 mm dia - Door cap - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	67.00
464	BMW-G.130	75 mm dia - Socket plug - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	48.00
465	BMW-G.131	90 mm dia - Socket plug - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	55.00
466	BMW-G.132	110 mm dia - Socket plug - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	58.00
467	BMW-G.133	75 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	7.00
468	BMW-G.134	90 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	8.00
469	BMW-G.135	110 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	10.00
470	BMW-G.136	75 mm dia - Door Socket - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	8.00
471	BMW-G.137	90 mm dia - Door Socket - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	10.00
472	BMW-G.138	110 mm dia - Door Socket - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	13.00
473	BMW-G.139	LIP ring 110 mm - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	63.00
474	BMW-G.140	Rubber Lubricant - 100 Grams	Each	26.00
475	BMW-G.141	Rubber Lubricant - 250 Grams	Each	59.00
476	BMW-G.142	Rubber Lubricant - 500 Grams	Each	107.00
477	BMW-G.143	Rubber Lubricant - 1000 Grams	Each	199.00
478	BMW-G.144	P' Trap with lip UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	271.00
479	BMW-G.145	50 ml - Solvent Cement	Each	14.00
480	BMW-G.146	100 ml - Solvent Cement	Each	23.00
481	BMW-G.147	250 ml - Solvent Cement	Each	54.00
482	BMW-G.148	500 ml - Solvent Cement	Each	105.00
483	BMW-G.149	1000 ml - Solvent Cement	Each	206.00
484	BMW-G.150	110mm x 90 mm - Internal Reducer - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	82.00
485	BMW-G.151	160 mm x 110 mm - Internal Reducer - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	Each	204.00
486	BMW-G.152	Labour charges for laying, fixing and commissioning the PVC pipes including couplers/ bends/ tees etc any diameter including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with solvent jointing as per standard practice	1 RM	58.00
H		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	1178.00
488	BMW-H.02	100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M)	Each	1569.00
489	BMW-H.03	150 mm dia CI (spun) soils Waste & Ventilating pipe (3 M)	Each	2876.00
490	BMW-H.04	75 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket	Each	1308.00
491	BMW-H.05	100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket	Each	1765.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
492	BMW-H.06	75 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes	Each	1060.00
493	BMW-H.07	100 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes	Each	1415.00
494	BMW-H.08	75 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes	Each	948.00
495	BMW-H.09	100 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes	Each	1260.00
496	BMW-H.10	75 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes	Each	772.00
497	BMW-H.11	100 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes	Each	1006.00
498	BMW-H.12	75 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes	Each	811.00
499	BMW-H.13	100 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes	Each	1006.00
500	BMW-H.14	75 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings	Each	281.00
501	BMW-H.15	100 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings	Each	323.00
502	BMW-H.16	75 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	403.00
503	BMW-H.17	100 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	463.00
504	BMW-H.18	150 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	884.00
505	BMW-H.19	75 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings	Each	555.00
506	BMW-H.20	100 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings	Each	614.00
507	BMW-H.21	150 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings	Each	1107.00
508	BMW-H.22	75 mm dia Cut pipes (pieces) 3 feet (914.4 mm) CI (Spun) fittings	Each	852.00
509	BMW-H.23	100 mm dia Cut pipes (pieces) 3 feet (914.4 mm) CI (Spun) fittings	Each	1149.00
510	BMW-H.24	75 mm dia Cut pipes (pieces) 4 feet (1219.2 mm) CI (Spun) fittings	Each	937.00
511	BMW-H.25	100 mm dia Cut pipes (pieces) 4 feet (1219.2 mm) CI (Spun) fittings	Each	1403.00
512	BMW-H.26	75 mm dia Plain Bend - CI (Spun) fittings	Each	289.00
513	BMW-H.27	100 mm dia Plain Bend - CI (Spun) fittings	Each	340.00
514	BMW-H.28	150 mm dia Plain Bend - CI (Spun) fittings	Each	812.00
515	BMW-H.29	75 mm dia Door Bend - CI (Spun) fittings	Each	299.00
516	BMW-H.30	100 mm dia Door Bend - CI (Spun) fittings	Each	388.00
517	BMW-H.31	150 mm dia Door Bend - CI (Spun) fittings	Each	888.00
518	BMW-H.32	75 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	289.00
519	BMW-H.33	100 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	340.00
520	BMW-H.34	150 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	812.00
521	BMW-H.35	75 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	299.00
522	BMW-H.36	100 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	388.00
523	BMW-H.37	150 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	888.00
524	BMW-H.38	Horn Bend Plain 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings	Each	589.00
525	BMW-H.39	Horn Bend door 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings	Each	687.00
526	BMW-H.40	75 mm dia Heel Rest Bend - CI (Spun) fittings	Each	308.00
527	BMW-H.41	100 mm dia Heel Rest Bend - CI (Spun) fittings	Each	394.00
528	BMW-H.42	150 mm dia Heel Rest Bend - CI (Spun) fittings	Each	836.00
529	BMW-H.43	75 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	388.00
530	BMW-H.44	100 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	524.00
531	BMW-H.45	150 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	1080.00
532	BMW-H.46	75 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	457.00
533	BMW-H.47	100 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	607.00
534	BMW-H.48	150 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	1141.00
535	BMW-H.49	75 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	457.00
536	BMW-H.50	100 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	607.00
537	BMW-H.51	150 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	1339.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
538	BMW-H.52	75 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	501.00
539	BMW-H.53	100 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	670.00
540	BMW-H.54	150 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	1443.00
541	BMW-H.55	75 mm dia Double Branch Plain "T" - CI (Spun) fittings	Each	530.00
542	BMW-H.56	100 mm dia Double Branch Plain "T" - CI (Spun) fittings	Each	714.00
543	BMW-H.57	75 mm dia Double Branch Door "T" - CI (Spun) fittings	Each	591.00
544	BMW-H.58	100 mm dia Double Branch Door "T" - CI (Spun) fittings	Each	744.00
545	BMW-H.59	75 mm dia Double Branch Plain "Y" - CI (Spun) fittings	Each	591.00
546	BMW-H.60	100 mm dia Double Branch Plain "Y" - CI (Spun) fittings	Each	744.00
547	BMW-H.61	75 mm dia Double Branch Door "Y" - CI (Spun) fittings	Each	623.00
548	BMW-H.62	100 mm dia Double Branch Door "Y" - CI (Spun) fittings	Each	807.00
549	BMW-H.63	75 mm dia Shoe Bend - CI (Spun) fittings	Each	365.00
550	BMW-H.64	100 mm dia Shoe Bend - CI (Spun) fittings	Each	427.00
551	BMW-H.65	150 mm dia Shoe Bend - CI (Spun) fittings	Each	868.00
552	BMW-H.66	75 mm dia Collar - CI (Spun) fittings	Each	250.00
553	BMW-H.67	100 mm dia Collar - CI (Spun) fittings	Each	304.00
554	BMW-H.68	150 mm dia Collar - CI (Spun) fittings	Each	623.00
555	BMW-H.69	75 mm dia Cowl - CI (Spun) fittings	Each	221.00
556	BMW-H.70	100 mm dia Cowl - CI (Spun) fittings	Each	250.00
557	BMW-H.71	150 mm dia Cowl - CI (Spun) fittings	Each	561.00
558	BMW-H.72	75 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings	Each	320.00
559	BMW-H.73	100 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings	Each	388.00
560	BMW-H.74	150 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings	Each	784.00
561	BMW-H.75	75 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings	Each	350.00
562	BMW-H.76	100 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings	Each	457.00
563	BMW-H.77	150 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings	Each	912.00
564	BMW-H.78	75 mm dia Long Door Bend - CI (Spun) fittings	Each	735.00
565	BMW-H.79	100 mm dia Long Door Bend - CI (Spun) fittings	Each	791.00
566	BMW-H.80	75 mm dia Hand Hole pipe (Inspection pipe)	Each	423.00
567	BMW-H.81	100 mm dia Hand Hole pipe (Inspection pipe)	Each	575.00
568	BMW-H.82	150 mm dia Hand Hole pipe (Inspection pipe)	Each	766.00
569	BMW-H.83	75 mm dia P Traps - CI (Spun) fittings	Each	457.00
570	BMW-H.84	100 mm dia P Traps - CI (Spun) fittings	Each	627.00
571	BMW-H.85	4" x 3" (101.6 mm x 76.2mm) P. Traps 100 mm dia - CI (Spun) fittings	Each	719.00
572	BMW-H.86	4" x 3" (101.6 mm x 76.2mm) Vent Traps 100 mm dia - CI (Spun) fittings	Each	719.00
573	BMW-H.87	4" x 3" (101.6 mm x 76.2mm) Reducer 75 mm dia - CI (Spun) fittings	Each	446.00
574	BMW-H.88	6" x 4" (152.4 mm x101.6 mm) Reducer 75 mm dia - CI (Spun) fittings	Each	611.00
575	BMW-H.89	3" x 2" (76.2 mm x 50.8 mm) plain T 75 mm dia - CI (Spun) fittings	Each	382.00
576	BMW-H.90	3" x 2" (76.2 mm x 50.8 mm) Door T 75 mm dia - CI (Spun) fittings	Each	595.00
577	BMW-H.91	3" x 2" (76.2 mm x 50.8 mm) Plain Y 75 mm dia - CI (Spun) fittings	Each	595.00
578	BMW-H.92	3" x 2" (76.2 mm x 50.8 mm) Door Y 75 mm dia - CI (Spun) fittings	Each	595.00
579	BMW-H.93	4" x 3" (101.6 mm x 76.2mm) Plain T 75 mm dia - CI (Spun) fittings	Each	595.00
580	BMW-H.94	4" x 3" (101.6 mm x 76.2mm) Door T 75 mm dia - CI (Spun) fittings	Each	631.00
581	BMW-H.95	4" x 3" (101.6 mm x 76.2mm) Plain Y 75 mm dia - CI (Spun) fittings	Each	631.00
582	BMW-H.96	4" x 3" (101.6 mm x 76.2mm) Door Y 75 mm dia - CI (Spun) fittings	Each	674.00
583	BMW-H.97	6" x 4" (152.4 mm x101.6 mm) Plain T 75 mm dia - CI (Spun) fittings	Each	882.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
584	BMW-H.98	6" x 4" (152.4 mm x101.6 mm) Door T 75 mm dia - CI (Spun) fittings	Each	955.00
585	BMW-H.99	6" x 4" (152.4 mm x101.6 mm) Plain Y 75 mm dia - CI (Spun) fittings	Each	1010.00
586	BMW-H.100	6" x 4" (152.4 mm x101.6 mm) Door Y 75 mm dia - CI (Spun) fittings	Each	1235.00
587	BMW-H.101	75 mm dia Plain " T" 27 " (685.8 mm) Special Types of Long Fittings	Each	1280.00
588	BMW-H.102	100 mm dia - Plain " T" 27 " (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1797.00
589	BMW-H.103	75 mm dia Door "T" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1429.00
590	BMW-H.104	100mm dia Door "T" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1975.00
591	BMW-H.105	75 mm dia Plain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1429.00
592	BMW-H.106	100mm dia Plain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1975.00
593	BMW-H.107	75 mm dia Door " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1594.00
594	BMW-H.108	100mm dia Door " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	2168.00
I		MISCELLANEOUS ITEMS		
595	BMW-I.01	a) Supplying & Fixing solder joints up to 50.8 mm dia	Each	52.00
596	BMW-I.02	b) - do - labour charges only	Each	16.00
597	BMW-I.03	a) Supplying & Fixing solution joints up to 50.8 dia 1st quality.	Each	10.00
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	24.00
600	BMW-I.06	Chiselling the stone masonry wall and repairs as directed by the department.	1 Rm	113.00
601	BMW-I.07	Chiselling the brick masonry wall and repairs as directed by the department.	1 Rm	24.00
602	BMW-I.08	a) S & F NP telephonic shower spray set & valve mixer with rest and all fittings complete (ARK/ESSCO or equivalent make)	Each	1839.00
603	BMW-I.09	b) - do - labour charges only	Each	329.00
604	BMW-I.10	a) S & F NP shower spray fancy with NP Flexible pipe	Each	489.00
605	BMW-I.11	b) - do - labour charges only	Each	109.00
606	BMW-I.12	a) S & F NP cover for Nahany trap	Each	26.00
607	BMW-I.13	b) - do - labour charges only	Each	15.00
608	BMW-I.14	a) Painting the flushing tank with white enamel paint	Each	89.00
609	BMW-I.15	b) - do - labour charges only	Each	52.00
610	BMW-I.16	S & F internal fittings for flush tank Parryplast wonder flush or equivalent	Each	557.00
611	BMW-I.17	Repairing and over hauling flushing tank	Each	74.00
612	BMW-I.18	a) Supplying & Fixing NP chain rubber and plug for basin	Each	35.00
613	BMW-I.19	b) - do - labour charges only	Each	6.00
614	BMW-I.20	a) S & F 25.4 mm dia & 609.6 mm long aluminium anodized towel rod with brackets and aluminium screws	Each	139.00
615	BMW-I.21	b) - do - labour charges only	Each	36.00
616	BMW-I.22	a) S & F 19.04 mm dia & 609.6 mm long aluminium anodized towel rod with brackets and aluminium screws	Each	121.00
617	BMW-I.23	b) - do - labour charges only	Each	55.00
618	BMW-I.24	a) S & F 609.6 mm long 127 mm wide plate glass shelf with superior quality aluminium railing complete with aluminium screws	Each	177.00
619	BMW-I.25	b) - do - labour charges only	Each	46.00
620	BMW-I.26	a) S & F 609.6 mm long 127 mm wide plate glass shelf only	Each	58.00
621	BMW-I.27	b) - do - labour charges only	Each	9.00
622	BMW-I.28	a) S & F NP soap dish heavy type with NP SCREWS	Each	206.00
623	BMW-I.29	b) - do - labour charges only	Each	10.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
624	BMW-I.30	a) S & F NP holder brackets with screws	Each	41.00
625	BMW-I.31	b) - do - labour charges only	Each	12.00
626	BMW-I.32	a) S & F liquid soap container NP metallic with NP brackets and screws.	Each	206.00
627	BMW-I.33	b) - do - labour charges only	Each	18.00
628	BMW-I.34	a) S & F 31.75 mm C.P TRAPS	Each	266.00
629	BMW-I.35	b) - do - labour charges only	Each	36.00
630	BMW-I.36	a) Supplying & fixing 88.9 mm A.C cowls	Each	60.00
631	BMW-I.37	b) - do - labour charges only	Each	12.00
632	BMW-I.38	a) Supplying & fixing A.C Cowl 63.5 mm dia	Each	41.00
633	BMW-I.39	b) - do - labour charges only	Each	9.00
634	BMW-I.40	Removing and refixing W.C s	Each	194.00
635	BMW-I.41	Removing and refixing wash hand basins of any size with fittings complete	Each	174.00
636	BMW-I.42	a) S & F 76.2 x 101.6 mm teak wood block complete	Each	22.00
637	BMW-I.43	b) - do - labour charges only	Each	7.00
638	BMW-I.44	Cutting holes in C.C; basement & repairs Labour charges only	Each	82.00
639	BMW-I.45	Cutting holes in stone masonry & basement and repairs Labour charges only	Each	55.00
640	BMW-I.46	Cutting holes in Brick masonry & repairs Labour charges only	Each	36.00
641	BMW-I.47	Cutting holes in RCC slab floor & repairs Labour charges only	Each	55.00
642	BMW-I.48	a) Supplying & Fixing 12.7 mm PVC connection with brass union nut C.P coated	Each	85.00
643	BMW-I.49	b) - do - labour charges only	Each	16.00
644	BMW-I.50	a) S & F 12.7 mm .M.P couplings	Each	30.00
645	BMW-I.51	b) - do - labour charges only	Each	9.00
646	BMW-I.52	a) S & F 19.05 mm M.P couplings	Each	35.00
647	BMW-I.53	b) - do - labour charges only	Each	9.00
648	BMW-I.54	a) S& F MP coupling 25.4 mm dia	Each	81.00
649	BMW-I.55	a) S & F PVC Rubber adopter for LLC and bend	Each	16.00
650	BMW-I.56	b) - do - labour charges only	Each	6.00
651	BMW-I.57	a) S& F 31.75 mm Brass union nuts	Each	30.00
652	BMW-I.58	b) - do - labour charges only	Each	6.00
653	BMW-I.59	a) S& F 38.1 mm Brass union nuts	Each	32.00
654	BMW-I.60	b) - do - labour charges only	Each	7.00
655	BMW-I.61	a) Constructing Brick masonry chamber over the gully trap or peet valve and fitted with 304.8 x 228.6 m size CI frame and hinged cover.	Each	386.00
656	BMW-I.62	b) - do - labour charges only	Each	82.00
657	BMW-I.63	a) Constructing Brick masonry support for G.I pipe with C.M 304.8 x 228.6 x228.6 mm size including plastering and finishing etc. complete.	Each	62.00
658	BMW-I.64	b) - do - labour charges only	Each	18.00
659	BMW-I.65	a) Supplying & fixing 304.8 x 228.6 mm CI frame & cover over gully taps	Each	101.00
660	BMW-I.66	b) - do - labour charges only	Each	29.00
661	BMW-I.67	a) Supplying & fixing CI Nahany trap grating	Each	16.00
662	BMW-I.68	b) - do - labour charges only	Each	9.00
663	BMW-I.69	a) Supplying & fixing CI gully trap grating	Each	41.00
664	BMW-I.70	b) - do - labour charges only	Each	9.00
665	BMW-I.71	a) Supplying & fixing valves for brass ball cocks 25.4 mm dia	Each	16.00
666	BMW-I.72	b) - do - labour charges only	Each	7.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
667	BMW-I.73	a) Supplying & fixing 12.7 m valve for bib tap or stop cocks	Each	15.00
668	BMW-I.74	b) - do - labour charges only	Each	5.00
669	BMW-I.75	a) Supplying & fixing 19.05 m valve for bib tap or stop cocks	Each	33.00
670	BMW-I.76	b) - do - labour charges only	Each	9.00
671	BMW-I.77	Removing 12.7 mm GI pipe and refixing the same	Mr.	52.00
672	BMW-I.78	Removing 19.05 mm GI pipe and refixing the same	Mr.	58.00
673	BMW-I.79	Removing 25.4 mm GI pipe and refixing the same	Mr.	86.00
674	BMW-I.80	Removing 38.1 mm GI pipe and refixing the same	Rm	109.00
675	BMW-I.81	Removing 50.8 mm GI pipe and refixing the same	Rm	127.00
676	BMW-I.82	Cleaning the W.C with acid and Vim powder	Each	35.00
677	BMW-I.83	Cleaning the Urinal with acid and Vim power	Each	35.00
678	BMW-I.84	Cleaning the wash basin with acid and Vim powder	Each	35.00
679	BMW-I.85	Cleaning the E.W.C with acid and Vim power	Each	35.00
680	BMW-I.86	Supplying & fixing 914.4 x 457.2 mm CI man hole frame and cover (light weight) 30 Kgs	Each	1645.00
681	BMW-I.87	Supplying & fixing 602 x 602 mm CI man hole frame and cover (light weight) 30 Kgs	Each	2450.00
682	BMW-I.88	b) - do - labour charges only	Each	115.00
683	BMW-I.89	a) Supplying & fixing CI steps for septic tank.	Each	53.00
684	BMW-I.90	b) - do - labour charges only	Each	9.00
685	BMW-I.91	a) Supplying & fixing 50.8 cm dia C.I. Man hole frame & cover for 914.4 mm dia chamber (20 Kgs - Light weight)	Each	1058.00
686	BMW-I.92	b) - do - labour charges only	Each	115.00
687	BMW-I.93	a) Supplying & fixing 50.8 cm dia C.I. Man hole frame & cover for 914.4 mm dia chamber (Medium weight) as per IS:1726 - 40 Kgs	Each	2185.00
688	BMW-I.94	b) - do - labour charges only	Each	292.00
689	BMW-I.95	Cost. 50.8 mm thick RCM baffle wall with 2.267 Kg steel & rabbit wire mesh in CM 1:3 with fine rendering in neat cement labour charges Only	1 Sqm	213.00
690	BMW-I.96	a) Cost. 50.8 mm RCC partition wall	1 Sqm	232.00
691	BMW-I.97	b) - do - labour charges only	1 Sqm	36.00
692	BMW-I.98	a) S & F double layer of bamboo matting tarred on both sides.	10 Sqm	530.00
693	BMW-I.99	b) - do - labour charges only	10 Sqm	101.00
694	BMW-I.100	Removing of 101.6 m or 76.2 mm CI pipe	1 RM	31.00
695	BMW-I.101	a) Supplying & fixing 76.2 mm W.I clamps	Each	21.00
696	BMW-I.102	b) - do - labour charges only	Each	7.00
697	BMW-I.103	a) Supplying & fixing NP coat hook	Each	40.00
698	BMW-I.104	b) - do - labour charges only	Each	9.00
699	BMW-I.105	a) Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457.2 mm	Each	435.00
700	BMW-I.106	b) - do - labour charges only	Each	95.00
701	BMW-I.107	a) Supplying & fixing GI pipe plug of size 12.7 mm dia	Each	8.00
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	12.00
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	61.00
706	BMW-I.112	b) - do - labour charges only	Each	7.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
707	BMW-I.113	a) Supplying & fixing 50.8 mm dia of GI PLUG	Each	94.00
708	BMW-I.114	b) - do - labour charges only	Each	9.00
709	BMW-I.115	a) Supplying & fixing 76.2 mm dia of GI PLUG	Each	170.00
710	BMW-I.116	b) - do - labour charges only	Each	15.00
711	BMW-I.117	a) Supplying & fixing C.P flange.	Each	22.00
712	BMW-I.118	b) - do - labour charges only	Each	6.00
713	BMW-I.119	a) Supplying & fixing stainless steel sink size 36" x 18" (914.4x457.2mm) 1 mm thick with accessories	Each	5826.00
714	BMW-I.120	b) - do - labour charges only	Each	414.00
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	4594.00
716	BMW-I.122	b) - do - labour charges only	Each	403.00
717	BMW-I.123	a) Supplying & fixing stainless steel sink size 20" x18" x 8 " (508x457.2x203.2mm) 1 mm thick with accessories	Each	4163.00
718	BMW-I.124	b) - do - labour charges only	Each	368.00
719	BMW-I.125	Supplying & fixing 4 " x 24 " (101.6x609.6mm) white glazed porcelain channel fixed in brick masonry white cement pointing.	Each	420.00
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	840.00
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	4600.00
722	BMW-I.128	Supply & fixing porcelain P' trap	Each	198.00
723	BMW-I.129	Supplying & fixing oval shape basin white (520x410mm) parry or equivalent	Each	2105.00
724	BMW-I.130	Supply & fixing RCC cover 22" dia with nominal reinforcement 3 " thick and hooks for lifting	Each	598.00
725	BMW-I.131	Supply & fixing cp spl. Grating with frame and cover of 1 st quality	Each	54.00
726	BMW-I.132	Supply & fixing towel rod (CP) of 24" long and 3/4 " dia	Each	336.00
727	BMW-I.133	Supply & fixing of LLC handle set 1st quality	Each	67.00
728	BMW-I.134	Mechanical Cleaning of water sumps with pumps & UV disinfecting	1000 Lit	46.00
729	BMW-I.135	Supply & fixing 4" dia CP thimble pipe: 150 mm long	Each	351.00
730	BMW-I.136	Supply & fixing 4" dia CP thimble pipe: 220 mm long	Each	524.00
731	BMW-I.137	Supply & fixing 4" dia CP thimble pipe: 300 mm long	Each	699.00
732	BMW-I.138	Supply & fixing CP long bend	Each	296.00
733	BMW-I.139	Supply & fixing CP short bend	Each	148.00
734	BMW-I.140	Supplying & fixing 15 mm bib tap with flange Chromeum plated Jaquar make queen series/ Jupiter Aqua Lines-JALor equivalent series	Each	1461.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	3701.00
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/ Jupiter Aqua Lines-JALor equivalent series	Each	6223.00
737	BMW-I.143	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JALor equivalent series	Each	1533.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
738	BMW-I.144	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Ivory gold / Jupiter Aqua Lines-JALor equivalent series	Each	2617.00
739	BMW-I.145	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Chrome plated/ Jupiter Aqua Lines-JALor equivalent series	Each	1514.00
740	BMW-I.146	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Ivory gold / Jupiter Aqua Lines-JALor equivalent series	Each	2931.00
741	BMW-I.147	Supply & fixing Waste coupling Jaquar make with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JALor equivalent series	Each	322.00
742	BMW-I.148	Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JALor equivalent series	Each	1446.00
743	BMW-I.149	Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Ivory gold / Jupiter Aqua Lines-JALor equivalent series	Each	2446.00
744	BMW-I.150	Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JALor equivalent series	Each	355.00
745	BMW-I.151	Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Ivory gold / Jupiter Aqua Lines-JALor equivalent series	Each	688.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	4675.00
747	BMW-I.153	Supply and fixing wall mirror with provision for over head shower and 115 mm long bend pipe with wall flange Jaquar make queen series with 7 years warranty: Ivory gold / Jupiter Aqua Lines-JALor equivalent series	Each	7355.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	2169.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	3178.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	12392.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	1509.00
752	BMW-I.158	Supply & fixing sink cock with regular swinging spout with wall flange chromeplated Jaquar make Queen series with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	2167.00
753	BMW-I.159	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JALor equivalent series	Each	1423.00
754	BMW-I.160	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Ivory Gold / Jupiter Aqua Lines-JALor equivalent series	Each	2088.00
755	BMW-I.161	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JALor equivalent series	Each	1145.00
756	BMW-I.162	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Ivory Gold / Jupiter Aqua Lines-JALor equivalent series	Each	2017.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
757	BMW-I.163	Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JALor equivalent series	Each	1077.00
758	BMW-I.164	Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Ivory Gold / Jupiter Aqua Lines-JALor equivalent series	Each	1759.00
759	BMW-I.165	Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty: Chrome plated / Jupiter Aqua Lines-JALor equivalent series	Each	801.00
760	BMW-I.166	Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty: Ivory Gold / Jupiter Aqua Lines-JALor equivalent series	Each	1658.00
761	BMW-I.167	Supply & Fixing of Towel rod 24 " Jaquar make Queen series Ivory gold colour with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	2750.00
762	BMW-I.168	Supply & Fixing of Tumbler holder Jaquar make Queen series, Ivory gold colour with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1927.00
763	BMW-I.169	Supply & fixing of Glass shelf 22" Jaquar make Queen series, Ivory gold colour with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	3758.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	2727.00
765	BMW-I.171	Supply & Fixing of Bibcock Jaquar Continental series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	801.00
766	BMW-I.172	Supply & Fixing of Pillar cock Jaquar Continental series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	995.00
767	BMW-I.173	Supply & Fixing of Angular stopcock with wall flange Jaquar Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	741.00
768	BMW-I.174	Supply fixing of Waste coupling Jaquar make, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	322.00
769	BMW-I.175	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1446.00
770	BMW-I.176	Supply & Fixing of copper pipe 450mm long with nuts & washers Jaquar make, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	322.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	3502.00
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/ Jupiter Aqua Lines-JALor equivalent series	Each	1495.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	4890.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	1142.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
775	BMW-I.181	Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Continental series with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1409.00
776	BMW-I.182	Supply & Fixing soap dish Jaquar make Continental series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1110.00
777	BMW-I.183	Supply & Fixing of Toilet paper holder Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	741.00
778	BMW-I.184	Supply & Fixing of Towel Ring Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	852.00
779	BMW-I.185	Supply & Fixing Double coat hook Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	636.00
780	BMW-I.186	Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1375.00
781	BMW-I.187	Supply & Fixing of Tumbler holder Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	927.00
782	BMW-I.188	Supply & Fixing of Glass shelf 22" Jaquar make Continental series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1824.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	3263.00
784	BMW-I.190	Supply & Fixing of Bibcock Jaquar Florentine (Quarter turn)series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1100.00
785	BMW-I.191	Supply & Fixing of Pillar cock Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1100.00
786	BMW-I.192	Supply & Fixing of Angular stopcock with wall flange Jaquar Florentine(Quarter turn)series, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1082.00
787	BMW-I.193	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1446.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	4225.00
789	BMW-I.195	Supply & Fixing wall mixer with telephonic shower arrangement with crutch and telephone shower with flexible tube Jaquar make Florentine(Quarter turn) series Chrome colour for bath tub with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	6368.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	1688.00
791	BMW-I.197	Supply & Fixing of Rose shower with revolving ball joint & 115mm long shower arm with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	1794.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	3140.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
793	BMW-I.199	Supply & Fixing of Jaquar make Sensotronic sensor faucet for wash basin, Chrome plated with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	12334.00
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 / Jupiter Aqua Lines-JALor equivalent series	Each	12334.00
795	BMW-I.201	Supply & fixing of Jaquar make Auto closing system pillar cock for wash basin, Chrome plated with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	2044.00
796	BMW-I.202	Supply& Fixing of Jaquar make Auto Closing system Bibcock, Chrome plated with 7 years warranty / Jupiter Aqua Lines-JALor equivalent series	Each	2144.00
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
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

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1	2	3	4	5
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
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

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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
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
		Supply and Fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" ton 2" Ashirvad Flowgurard SDR 11 and SDR 13.5 pipes are made from identical CPVC compounds having the same physical Properties for Hot and Cold Water (IS 15778:2007)		
814	BMW-I.220	15.90mm OD Pipe - SDR 13.5	1 RM	120.00
815	BMW-I.221	22.20mm OD Pipe - SDR 13.5	1 RM	135.00
816	BMW-I.222	28.60mm OD Pipe - SDR 13.5	1 RM	180.00
817	BMW-I.223	34.90mm OD Pipe - SDR 13.5	1 RM	245.00
818	BMW-I.224	41.30mm OD Pipe - SDR 13.5	1 RM	305.00
819	BMW-I.225	54.00mm OD Pipe - SDR 13.5	1 RM	445.00
820	BMW-I.226	15.90mm OD Pipe - SDR 11	1 RM	133.00
821	BMW-I.227	22.20mm OD Pipe - SDR 11	1 RM	160.00
822	BMW-I.228	28.60mm OD Pipe - SDR 11	1 RM	193.00
823	BMW-I.229	34.90mm OD Pipe - SDR 11	1 RM	263.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
824	BMW-I.230	41.30mm OD Pipe - SDR 11	1 RM	325.00
825	BMW-I.231	54.00mm OD Pipe - SDR 11	1 RM	475.00
826	BMW-I.232	Supply of 20mm x 1.9mm PN 10/PPR pipe conforming to DIN Standards 8077/8078	1 RM	41.00
827	BMW-I.233	Supply of 25mm x 2.3mm PN 10/PPR pipe conforming to DIN Standards 8077/8078	1 RM	62.00
828	BMW-I.234	Supply of 32mm x 2.9mm PN 10/PPR pipe conforming to DIN Standards 8077/8079	1 RM	97.00
829	BMW-I.235	Supply of 40mm x 3.7mm PN 10/PPR pipe conforming to DIN Standards 8077/8079	1 RM	153.00
830	BMW-I.236	Supply of 50mm x 4.6mm PN 10/PPR pipe conforming to DIN Standards 8077/8080	1 RM	273.00
831	BMW-I.237	Supply of 63mm x 5.8mm PN 10/PPR pipe conforming to DIN Standards 8077/8081	1 RM	428.00
832	BMW-I.238	Supply of 75mm x 6.8mm PN 10/PPR pipe conforming to DIN Standards 8077/8082	1 RM	595.00
833	BMW-I.239	Supply of 90mm x 8.2mm PN 10/PPR pipe conforming to DIN Standards 8077/8083	1 RM	817.00
834	BMW-I.240	Supply of 110mm x 10mm PN 10/PPR pipe conforming to DIN Standards 8077/8084	1 RM	1211.00
835	BMW-I.241	Supply of 20mm x 2.8mm PN 16/PPR pipe conforming to DIN Standards 8077/8078	1 RM	56.00
836	BMW-I.242	Supply of 25mm x 3.5mm PN 16/PPR pipe conforming to DIN Standards 8077/8078	1 RM	86.00
837	BMW-I.243	Supply of 32mm x 4.4mm PN 16/PPR pipe conforming to DIN Standards 8077/8079	1 RM	138.00
838	BMW-I.244	Supply of 40mm x 5.5mm PN 16/PPR pipe conforming to DIN Standards 8077/8079	1 RM	213.00
839	BMW-I.245	Supply of 50mm x 6.9mm PN 16/PPR pipe conforming to DIN Standards 8077/8080	1 RM	381.00
840	BMW-I.246	Supply of 63mm x 8.6mm PN 16/PPR pipe conforming to DIN Standards 8077/8081	1 RM	600.00
841	BMW-I.247	Supply of 75mm x 10.3mm PN 16/PPR pipe conforming to DIN Standards 8077/8082	1 RM	848.00
842	BMW-I.248	Supply of 90mm x 12.3mm PN 16/PPR pipe conforming to DIN Standards 8077/8083	1 RM	1209.00
843	BMW-I.249	Supply of 110mm x 15.1mm PN 16/PPR pipe conforming to DIN Standards 8077/8084	1 RM	1811.00
844	BMW-I.250	Supply of 20mm x 3.4mm PN 20/PPR pipe conforming to DIN Standards 8077/8078	1 RM	65.00
845	BMW-I.251	Supply of 25mm x 4.2mm PN 20/PPR pipe conforming to DIN Standards 8077/8078	1 RM	100.00
846	BMW-I.252	Supply of 32mm x 5.4mm PN 20/PPR pipe conforming to DIN Standards 8077/8079	1 RM	161.00
847	BMW-I.253	Supply of 40mm x 6.7mm PN 20/PPR pipe conforming to DIN Standards 8077/8079	1 RM	248.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
848	BMW-I.254	Supply of 50mm x 8.3mm PN 20/PPR pipe conforming to DIN Standards 8077/8080	1 RM	441.00
849	BMW-I.255	Supply of 63mm x 10.5mm PN 20/PPR pipe conforming to DIN Standards 8077/8081	1 RM	695.00
850	BMW-I.256	Supply of 75mm x 12.5mm PN 20/PPR pipe conforming to DIN Standards 8077/8082	1 RM	986.00
851	BMW-I.257	Supply of 90mm x 15mm PN 20/PPR pipe conforming to DIN Standards 8077/8083	1 RM	1340.00
852	BMW-I.258	Supply of 110mm x 18.3mm PN 20/PPR pipe conforming to DIN Standards 8077/8084	1 RM	2111.00
853	BMW-I.259	Supply of 20mm PPR Socket conforming to DIN Standards 8077/8084	1 RM	9.00
854	BMW-I.260	Supply of 25mm PPR Socket conforming to DIN Standards 8077/8085	1 RM	13.00
855	BMW-I.261	Supply of 32mm PPR Socket conforming to DIN Standards 8077/8086	1 RM	18.00
856	BMW-I.262	Supply of 40mm PPR Socket conforming to DIN Standards 8077/8087	1 RM	31.00
857	BMW-I.263	Supply of 50mm PPR Socket conforming to DIN Standards 8077/8088	1 RM	59.00
858	BMW-I.264	Supply of 63mm PPR Socket conforming to DIN Standards 8077/8089	1 RM	114.00
859	BMW-I.265	Supply of 75mm PPR Socket conforming to DIN Standards 8077/8090	1 RM	173.00
860	BMW-I.266	Supply of 90mm PPR Socket conforming to DIN Standards 8077/8091	1 RM	332.00
861	BMW-I.267	Supply of 110mm PPR Socket conforming to DIN Standards 8077/8092	1 RM	591.00
862	BMW-I.268	Supply of 32mm PPR Core Flange conforming to DIN Standards 8077/8086	Each	35.00
863	BMW-I.269	Supply of 40mm PPR Core Flange conforming to DIN Standards 8077/8087	Each	57.00
864	BMW-I.270	Supply of 50mm PPR Core Flange conforming to DIN Standards 8077/8088	Each	74.00
865	BMW-I.271	Supply of 63mm PPR Core Flange conforming to DIN Standards 8077/8089	Each	117.00
866	BMW-I.272	Supply of 75mm PPR Core Flange conforming to DIN Standards 8077/8090	Each	136.00
867	BMW-I.273	Supply of 90mm PPR Core Flange conforming to DIN Standards 8077/8091	Each	349.00
868	BMW-I.274	Supply of 110mm PPR Core Flange conforming to DIN Standards 8077/8092	Each	451.00
869	BMW-I.275	Supply of 20mm PPR Elbow conforming to DIN Standards 8077/8084	Each	15.00
870	BMW-I.276	Supply of 25mm PPR Elbow conforming to DIN Standards 8077/8085	Each	19.00
871	BMW-I.277	Supply of 32mm PPR Elbow conforming to DIN Standards 8077/8086	Each	36.00
872	BMW-I.278	Supply of 40mm PPR Elbow conforming to DIN Standards 8077/8087	Each	64.00
873	BMW-I.279	Supply of 50mm PPR Elbow conforming to DIN Standards 8077/8088	Each	119.00
874	BMW-I.280	Supply of 63mm PPR Elbow conforming to DIN Standards 8077/8089	Each	233.00
875	BMW-I.281	Supply of 75mm PPR Elbow conforming to DIN Standards 8077/8090	Each	376.00
876	BMW-I.282	Supply of 90mm PPR Elbow conforming to DIN Standards 8077/8091	Each	699.00
877	BMW-I.283	Supply of 110mm PPR Elbow conforming to DIN Standards 8077/8092	Each	1298.00
878	BMW-I.284	Supply of 20mm PPR Tee conforming to DIN Standards 8077/8084	Each	14.00
879	BMW-I.285	Supply of 25mm PPR Tee conforming to DIN Standards 8077/8085	Each	24.00
880	BMW-I.286	Supply of 32mm PPR Tee conforming to DIN Standards 8077/8086	Each	44.00
881	BMW-I.287	Supply of 40mm PPR Tee conforming to DIN Standards 8077/8087	Each	76.00
882	BMW-I.288	Supply of 50mm PPR Tee conforming to DIN Standards 8077/8088	Each	135.00
883	BMW-I.289	Supply of 63mm PPR Tee conforming to DIN Standards 8077/8089	Each	275.00
884	BMW-I.290	Supply of 75mm PPR Tee conforming to DIN Standards 8077/8090	Each	540.00
885	BMW-I.291	Supply of 90mm PPR Tee conforming to DIN Standards 8077/8091	Each	783.00
886	BMW-I.292	Supply of 110mm PPR Tee conforming to DIN Standards 8077/8092	Each	1356.00
887	BMW-I.293	Supply of 20mm PPR End Cap conforming to DIN Standards 8077/8084	Each	6.00
888	BMW-I.294	Supply of 25mm PPR End Cap conforming to DIN Standards 8077/8085	Each	9.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
889	BMW-I.295	Supply of 32mm PPR End Cap conforming to DIN Standards 8077/8086	Each	18.00
890	BMW-I.296	Supply of 40mm PPR End Cap conforming to DIN Standards 8077/8087	Each	31.00
891	BMW-I.297	Supply of 50mm PPR End Cap conforming to DIN Standards 8077/8088	Each	54.00
892	BMW-I.298	Supply of 63mm PPR End Cap conforming to DIN Standards 8077/8089	Each	114.00
893	BMW-I.299	Supply of 75mm PPR End Cap conforming to DIN Standards 8077/8090	Each	191.00
894	BMW-I.300	Supply of 90mm PPR End Cap conforming to DIN Standards 8077/8091	Each	304.00
895	BMW-I.301	Supply of 110mm PPR End Cap conforming to DIN Standards 8077/8092	Each	601.00
896	BMW-I.302	Supply of 25mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	11.00
897	BMW-I.303	Supply of 32mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	19.00
898	BMW-I.304	Supply of 32mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	18.00
899	BMW-I.305	Supply of 40mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	32.00
900	BMW-I.306	Supply of 40mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	31.00
901	BMW-I.307	Supply of 40mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	30.00
902	BMW-I.308	Supply of 50mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	45.00
903	BMW-I.309	Supply of 50mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	46.00
904	BMW-I.310	Supply of 50mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	47.00
905	BMW-I.311	Supply of 50mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	48.00
906	BMW-I.312	Supply of 63mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	105.00
907	BMW-I.313	Supply of 63mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	105.00
908	BMW-I.314	Supply of 63mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	106.00
909	BMW-I.315	Supply of 63mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	107.00
910	BMW-I.316	Supply of 63mm x 50mm PPR Reducer conforming to DIN Standards 8077/8092	Each	108.00
911	BMW-I.317	Supply of 75mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	156.00
912	BMW-I.318	Supply of 75mm x 50mm PPR Reducer conforming to DIN Standards 8077/8092	Each	157.00
913	BMW-I.319	Supply of 75mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	199.00
914	BMW-I.320	Supply of 90mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	381.00
915	BMW-I.321	Supply of 90mm x 75mm PPR Reducer conforming to DIN Standards 8077/8092	Each	404.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
916	BMW-I.322	Supply of 110mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	509.00
917	BMW-I.323	Supply of 110mm x 75mm PPR Reducer conforming to DIN Standards 8077/8092	Each	593.00
918	BMW-I.324	Supply of 110mm x 90mm PPR Reducer conforming to DIN Standards 8077/8092	Each	639.00
919	BMW-I.325	Supply of 25mm x 20mm x 25mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	30.00
920	BMW-I.326	Supply of 32mm x 25mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	52.00
921	BMW-I.327	Supply of 32mm x 20mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	53.00
922	BMW-I.328	Supply of 40mm x 20mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	85.00
923	BMW-I.329	Supply of 40mm x 25mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	87.00
924	BMW-I.330	Supply of 40mm x 32mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	89.00
925	BMW-I.331	Supply of 50mm x 20mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	124.00
926	BMW-I.332	Supply of 50mm x 25mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	125.00
927	BMW-I.333	Supply of 50mm x 32mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	129.00
928	BMW-I.334	Supply of 50mm x 40mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	130.00
929	BMW-I.335	Supply of 63mm x 20mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	359.00
930	BMW-I.336	Supply of 63mm x 25mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	361.00
931	BMW-I.337	Supply of 63mm x 32mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	365.00
932	BMW-I.338	Supply of 63mm x 40mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	372.00
933	BMW-I.339	Supply of 63mm x 50mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	377.00
934	BMW-I.340	Supply of 75mm x 50mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	507.00
935	BMW-I.341	Supply of 75mm x 63mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	515.00
936	BMW-I.342	Supply of 90mm x 50mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	684.00
937	BMW-I.343	Supply of 90mm x 63mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	725.00
938	BMW-I.344	Supply of 110mm x 75mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	1238.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
939	BMW-I.345	Supply of 110mm x 90mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	1287.00
940	BMW-I.346	Supply of 20mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	95.00
941	BMW-I.347	Supply of 25mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	97.00
942	BMW-I.348	Supply of 25mm x ¾" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	171.00
943	BMW-I.349	Supply of 32mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	174.00
944	BMW-I.350	Supply of 32mm x ¾" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	180.00
945	BMW-I.351	Supply of 32mm x 1" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	277.00
946	BMW-I.352	Supply of 40mm x 1¼" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	411.00
947	BMW-I.353	Supply of 50mm x 1½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	574.00
948	BMW-I.354	Supply of 63mm x 2" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	763.00
949	BMW-I.355	Supply of 75mm x 2½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1471.00
950	BMW-I.356	Supply of 20mm x ½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	147.00
951	BMW-I.357	Supply of 25mm x ½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	153.00
952	BMW-I.358	Supply of 25mm x ¾" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	223.00
953	BMW-I.359	Supply of 32mm x ¾" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	233.00
954	BMW-I.360	Supply of 32mm x 1" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	432.00
955	BMW-I.361	Supply of 40mm x 1¼" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	506.00
956	BMW-I.362	Supply of 50mm x 1½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	708.00
957	BMW-I.363	Supply of 63mm x 2" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1089.00
958	BMW-I.364	Supply of 75mm x 2½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1742.00
959	BMW-I.365	Supply of 20mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	102.00
960	BMW-I.366	Supply of 25mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	106.00
961	BMW-I.367	Supply of 25mm x ¾" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	164.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
962	BMW-I.368	Supply of 32mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	157.00
963	BMW-I.369	Supply of 32mm x ¾" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	184.00
964	BMW-I.370	Supply of 32mm x 1" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	307.00
965	BMW-I.371	Supply of 20mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	153.00
966	BMW-I.372	Supply of 25mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	167.00
967	BMW-I.373	Supply of 25mm x ¾" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	222.00
968	BMW-I.374	Supply of 32mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	213.00
969	BMW-I.375	Supply of 32mm x 1" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	459.00
970	BMW-I.376	Supply of 20mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	98.00
971	BMW-I.377	Supply of 25mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	108.00
972	BMW-I.378	Supply of 25mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	180.00
973	BMW-I.379	Supply of 32mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	189.00
974	BMW-I.380	Supply of 32mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	213.00
975	BMW-I.381	Supply of 32mm x 1" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	299.00
976	BMW-I.382	Supply of 20mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	154.00
977	BMW-I.383	Supply of 25mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	164.00
978	BMW-I.384	Supply of 25mm x ¾" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	235.00
979	BMW-I.385	Supply of 32mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	240.00
980	BMW-I.386	Supply of 32mm x ¾" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	254.00
981	BMW-I.387	Supply of 32mm x 1" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	468.00
982	BMW-I.388	Supply of 20mm x ½" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	395.00
983	BMW-I.389	Supply of 25mm x ¾" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	593.00
984	BMW-I.390	Supply of 32mm x 1" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	791.00

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
985	BMW-I.391	Supply of 40mm x 1¼" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	1108.00
986	BMW-I.392	Supply of 50mm x 1½" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	1782.00
987	BMW-I.393	Supply of 63mm x 2" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	2830.00
988	BMW-I.394	Supply of 20mm x ½" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	454.00
989	BMW-I.395	Supply of 25mm x ¾" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	603.00
990	BMW-I.396	Supply of 32mm x 1" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	791.00
991	BMW-I.397	Supply of 40mm x 1¼" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	989.00
992	BMW-I.398	Supply of 50mm x 1½" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	1880.00
993	BMW-I.399	Supply of 63mm x 2" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	3167.00
994	BMW-I.400	Supply of 20mm PPR Union conforming to DIN Standards 8077/8092	Each	86.00
995	BMW-I.401	Supply of 25mm PPR Union conforming to DIN Standards 8077/8092	Each	101.00
996	BMW-I.402	Supply of 32mm PPR Union conforming to DIN Standards 8077/8092	Each	166.00
997	BMW-I.403	Supply of 20mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	158.00
998	BMW-I.404	Supply of 25mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	208.00
999	BMW-I.405	Supply of 32mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	218.00
1000	BMW-I.406	Supply of 40mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	446.00
1001	BMW-I.407	Supply of 50mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	520.00
1002	BMW-I.408	Supply of 63mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	842.00
1003	BMW-I.409	Supply of 75mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	1386.00
1004	BMW-I.410	Supply of 90mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	1980.00
1005	BMW-I.411	Supply of 20mm PPR Clamp conforming to DIN Standards 8077/8092	Each	9.00
1006	BMW-I.412	Supply of 25mm PPR Clamp conforming to DIN Standards 8077/8092	Each	12.00
1007	BMW-I.413	Supply of 32mm PPR Clamp conforming to DIN Standards 8077/8092	Each	14.00
1008	BMW-I.414	Supply of 40mm PPR Clamp conforming to DIN Standards 8077/8092	Each	15.00
1009	BMW-I.415	Labour charges for laying, joining, welding, fixing and commissioning the PPR pipes including all specials such as couplers/ bends/ tees etc including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with welding the joint as per standard practice - up to 40 mm dia	1 RM	23.00
1010	BMW-I.416	Labour charges for laying, joining, welding, fixing and commissioning the PPR pipes including all specials such as couplers/ bends/ tees etc including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with welding the joint as per standard practice - above 40 mm dia	1 RM	40.00
NOTE				
1	All the items to be used on work are of first quality & ISI and as approved by the Engineer In charge of the work.			
2	Rates given above are:			
	a) Rate for finished item of work			
	b) Labour charges only			

Sl. No	Item Code	Description of item	Unit	SS RATE FOR 2012-13
1	2	3	4	5
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.			
	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 Number of the Item		

ELECTRICAL ITEMS

ELECTRICAL ITEMS

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PREAMBLE TO ELECTRICAL SOR 2012-2013

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

11. 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.
12. As per GO Ms No.51 Industries and commerce (MSME) Dept Dt:01.06.2010.All the indenting departments / Agents should invariably give preference to all local MSME which are manufacturing quality products having ISO 9001 – 2000, DGS & D, BIS certification without entertaining any other dealers / branded product manufacturers who have no production base in the state.

Superintending Engineer(R&B)
Electrical Circle, Hyderabad

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		SECTION - 1			
	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	64.80
2	ELEC-1.1.2	Supply of ISI, 25mm dia, 16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	75.60
3	ELEC-1.1.3	Supply of ISI, 32mm dia, 16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	113.40
4	ELEC-1.1.4	Supply of ISI, 38mm dia, 16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	114.50
5	ELEC-1.1.5	Supply of ISI, 50mm dia,16 guage thickness MS conduit pipe of makes NAI / Bharath / GB.	1	Mtr	162.00
6	ELEC-1.1.6	Supply of 19 / 20 mm MS Junction box normal range big size long neck.	1	No	21.60
7	ELEC-1.1.7	Supply of 25 mm MS Junction box normal range big size long neck.	1	No	21.60
8	ELEC-1.1.8	Supply of 32 mm MS Junction box normal range big size long neck.	1	No	56.20
9	ELEC-1.1.9	Supply of 40 / 38 mm MS Junction box normal range big size long neck.	1	No	67.00
10	ELEC-1.1.10	Supply of 50 mm MS Junction box normal range big size long neck.	1	No	121.00
11	ELEC-1.1.11	Supply of 25/20mm.MS Junction deep box.	1	No	34.60
12	ELEC-1.1.12	Supply of 32mm.MS Junction deep box.	1	No	81.00
13	ELEC-1.1.13	Supply of 40mm.MS Junction deep box.	1	No	83.20
14	ELEC-1.1.14	Supply of 19/20mm MS Inspection Bends.	1	No	19.40
15	ELEC-1.1.15	Supply of 25mm MS Inspection Bends.	1	No	19.40
16	ELEC-1.1.16	Supply of 32mm MS Inspection Bends.	1	No	49.70
17	ELEC-1.1.17	Supply of 40/38mm MS Inspection Bends.	1	No	60.50
18	ELEC-1.1.18	Supply of 50mm MS Inspection Bends.	1	No	103.70
19	ELEC-1.1.19	Supply of 19/20mm MS Inspection Tee.	1	No	20.50
20	ELEC-1.1.20	Supply of 25mm MS Inspection Tee.	1	No	21.60
21	ELEC-1.1.21	Supply of 32mm MS Inspection Tee.	1	No	56.20
22	ELEC-1.1.22	Supply of 40/38mm MS Inspection Tee.	1	No	67.00
23	ELEC-1.1.23	Supply of 50mm MS Inspection Tee.	1	No	121.00
24	ELEC-1.1.24	Supply of 19/20mm MS Inspection Elbow.	1	No	18.40
25	ELEC-1.1.25	Supply of 25mm MS Inspection Elbow.	1	No	18.40
26	ELEC-1.1.26	Supply of 32mm MS Inspection Elbow.	1	No	47.50
27	ELEC-1.1.27	Supply of 40/38mm MS Inspection Elbow.	1	No	58.30
28	ELEC-1.1.28	Supply of 50mm MS Inspection Elbow.	1	No	97.20
29	ELEC-1.1.29	Supply of MS Inspection 10 Guage G.I. checknut size 19/20mm.	100	Nos	186.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
30	ELEC-1.1.30	Supply of MS Inspection 10 Guage G.I. checknut size 25mm.	100	Nos	232.20
31	ELEC-1.1.31	Supply of MS Inspection 10 Guage G.I. checknut size 32mm.	100	Nos	432.00
32	ELEC-1.1.32	Supply of MS Inspection 10 Guage G.I. checknut size 40/38mm.	100	Nos	583.20
33	ELEC-1.1.33	Supply of MS Inspection 10 Guage G.I. checknut size 50mm.	100	Nos	1,155.60
34	ELEC-1.1.34	Supply of 19/20mm Saddles with Base.	100	Nos	191.20
35	ELEC-1.1.35	Supply of 25mm Saddles with Base.	100	Nos	199.80
36	ELEC-1.1.36	Supply of 32mm Saddles with Base.	100	Nos	329.40
37	ELEC-1.1.37	Supply of 40/38mm Saddles with Base.	100	Nos	351.00
38	ELEC-1.1.38	Supply of 50mm Saddles with Base.	100	Nos	405.00
39	ELEC-1.1.39	Supply of 19/20mm 20 guage Saddles.	100	Nos	102.60
40	ELEC-1.1.40	Supply of 25mm 20 guage Saddles.	100	Nos	135.00
41	ELEC-1.1.41	Supply of 32mm 20 guage Saddles.	100	Nos	221.40
42	ELEC-1.1.42	Supply of 40/38mm 20 guage Saddles.	100	Nos	279.70
43	ELEC-1.1.43	Supply of 50mm 20 guage Saddles.	100	Nos	340.20
44	ELEC-1.1.44	Supply of 19/20mm 16 Guage socket coupler.	12	Nos	51.80
45	ELEC-1.1.45	Supply of 25mm 16 Guage socket coupler.	12	Nos	64.80
46	ELEC-1.1.46	Supply of 32mm 16 Guage socket coupler.	12	Nos	97.20
47	ELEC-1.1.47	Supply of 38mm 16 Guage socket coupler.	12	Nos	116.60
48	ELEC-1.1.48	Supply of 40mm 16 Guage socket coupler.	12	Nos	155.50
49	ELEC-1.1.49	Supply of 50mm 16 Guage socket coupler.	12	Nos	192.20
50	ELEC-1.1.50	Supply of 19mm Ball Socket.	12	Nos	192.20
51	ELEC-1.1.51	Supply of 25mm Ball Socket.	12	Nos	187.90
	1.2	PVC CONDUIT PIPES			
52	ELEC-1.2.1	Supply of ISI 20mm outer dia medium (1.55mm thickness) grade with IS:9537 part 3 regid PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	18.20
53	ELEC-1.2.2	Supply of ISI 20mm outer dia heavy (2.10mm thickness) grade with IS:9537 part 3 regid PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	23.00
54	ELEC-1.2.3	Supply of ISI 25mm outer dia medium (1.80mm thickness) grade with IS:9537 part 3 regid PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	24.20
55	ELEC-1.2.4	Supply of ISI 25mm outer dia heavy (2.20mm thickness) grade with IS:9537 part 3 regid PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	30.30
56	ELEC-1.2.5	Supply of ISI 32mm outer dia medium (2.10mm thickness) grade with IS:9537 part 3 regid PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	40.50
57	ELEC-1.2.6	Supply of ISI 40mm outer dia medium (2.30mm thickness) grade with IS:9537 part 3 regid PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	55.60

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
58	ELEC-1.2.7	Supply of ISI 50mm outer dia medium (2.85mm thickness) grade with IS:9537 part 3 regid PVC pipe of makes Sudhakar / Maco Plast / Modi.	1	Mtr	77.50
59	ELEC-1.2.8	Supply of Non - ISI 19mm 1.50mm thick regid PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	13.20
60	ELEC-1.2.9	Supply of Non - ISI 19mm 1.80mm thick regid PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	17.60
61	ELEC-1.2.10	Supply of Non - ISI 25mm 1.50mm thick regid PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	17.60
62	ELEC-1.2.11	Supply of Non - ISI 25mm 1.80mm thick regid PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	23.10
63	ELEC-1.2.12	Supply of Non - ISI 32mm dia 2.0mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	30.80
64	ELEC-1.2.13	Supply of Non - ISI 40mm dia 2.0mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	40.70
65	ELEC-1.2.14	Supply of Non - ISI 50mm dia 2.0mm thickness PVC pipe of makes Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1	Mtr	46.20
66	ELEC-1.2.15	Supply of ISI 19/20mm width and 12.5mm height Casing and Caping of Modi make.	1	Mtr	24.20
67	ELEC-1.2.16	Supply of ISI 25mm width and 12.5mm height Casing and Caping of Modi make.	1	Mtr	30.30
68	ELEC-1.2.17	Supply of ISI 32mm width and 12.5mm height Casing and Caping of Modi make.	1	Mtr	35.10
69	ELEC-1.2.18	Supply of ISI 38/40mm width and 12.5mm height Casing and Caping of Modi make.	1	Mtr	60.50
70	ELEC-1.2.19	Supply of Non - ISI 19/20mm width and 12.5mm height Casing and Caping of Diamond / Durga make.	1	Mtr	16.50
71	ELEC-1.2.20	Supply of Non - ISI 25mm width and 12.5mm height Casing and Caping of Diamond / Durga make.	1	Mtr	17.60
72	ELEC-1.2.21	Supply of Non - ISI 32mm width and 12.5mm height Casing and Caping of Diamond / Durga make.	1	Mtr	23.10
73	ELEC-1.2.22	Supply of Non - ISI 38/40mm width and 12.5mm height Casing and Caping of Diamond / Durga make.	1	Mtr	34.10
74	ELEC-1.2.23	Supply of 19/20mm PVC Flexible Pipe.	1	Mtr	3.50
75	ELEC-1.2.24	Supply of 25mm PVC Flexible Pipe.	1	Mtr	4.70
76	ELEC-1.2.25	Supply of 32mm PVC Flexible Pipe.	1	Mtr	5.80
77	ELEC-1.2.26	Supply of 40/38mm PVC Flexible Pipe.	1	Mtr	11.60
78	ELEC-1.2.27	Supply of 50mm PVC Flexible Pipe.	1	Mtr	18.50
79	ELEC-1.2.28	Supply of 19/20mm PVC Flexible Couplings.	1	No	10.40

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
80	ELEC-1.2.29	Supply of 25mm PVC Flexible Couplings.	1	No	12.80
81	ELEC-1.2.30	Supply of 32mm PVC Flexible Couplings.	1	No	26.60
82	ELEC-1.2.31	Supply of 40/38mm PVC Flexible Couplings.	1	No	28.90
83	ELEC-1.2.32	Supply of 50mm PVC Flexible Couplings.	1	No	57.80
84	ELEC-1.2.33	Supply of 19/20mm PVC Junction Boxes Normal.	1	No	15.80
85	ELEC-1.2.34	Supply of 25mm PVC Junction Boxes Normal.	1	No	18.20
86	ELEC-1.2.35	Supply of 32mm PVC Junction Boxes Normal.	1	No	31.50
87	ELEC-1.2.36	Supply of 40mm PVC Junction Boxes Normal.	1	No	35.10
88	ELEC-1.2.37	Supply of 50mm PVC Junction Boxes Normal.	1	No	48.40
89	ELEC-1.2.38	Supply of PVC Junction Boxes Deep size 19/20mm.	1	No	20.60
90	ELEC-1.2.39	Supply of PVC Junction Boxes Deep size 25mm.	1	No	24.20
91	ELEC-1.2.40	Supply of PVC Junction Boxes Deep size 32mm.	1	No	37.60
92	ELEC-1.2.41	Supply of PVC Junction Boxes Deep size 40/38mm.	1	No	41.20
93	ELEC-1.2.42	Supply of PVC Junction Boxes Deep size 50mm.	1	No	60.50
94	ELEC-1.2.43	Supply of 19/20mm dia 1.5mm thick PVC Bends of Sudhakar make.	1	No	4.40
95	ELEC-1.2.44	Supply of 25mm dia 1.5mm thick PVC Bends of Sudhakar make.	1	No	6.10
96	ELEC-1.2.45	Supply of 32mm dia 2.0mm thick PVC Bends of Sudhakar make.	1	No	14.60
97	ELEC-1.2.46	Supply of 40mm dia 2.0mm thick PVC Bends of Sudhakar make.	1	No	18.20
98	ELEC-1.2.47	Supply of 50mm dia 2.0mm thick PVC Bends of Sudhakar make.	1	No	26.70
99	ELEC-1.2.48	Dummy Cover to PVC junction boxes	1	No	4.40
	1.3	HOT DIP GALVANIZED METAL BOXES			
100	ELEC-1.3.1	Supply of 1 or 2 Module box	1	No	54.00
101	ELEC-1.3.2	Supply of 3 Module box	1	No	75.60
102	ELEC-1.3.3	Supply of 4 Module box	1	No	90.70
103	ELEC-1.3.4	Supply of 6 Module box	1	No	123.10
104	ELEC-1.3.5	Supply of 8 or 9 Module box Horizontal/Vertical.	1	No	162.00
105	ELEC-1.3.6	Supply of 12 Module box vertical.	1	No	198.70
		METALLIC BOXES			
106	ELEC-1.3.7	Supply of 4" x 4" Metal Box	1	No	50.00
107	ELEC-1.3.8	Supply of 4" x 7" Metal Box	1	No	60.00
108	ELEC-1.3.9	Supply of 6" x 6" Metal Box	1	No	75.00
109	ELEC-1.3.10	Supply of 6" x 8" Metal Box	1	No	100.00
110	ELEC-1.3.11	Supply of 10" x 8" Metal Box	1	No	175.00
111	ELEC-1.3.12	Supply of 10" x 12" Metal Box	1	No	225.00
	1.4	T.W. BOARDS			
112	ELEC-1.4.1	Supply of T.W.Board of Size 4" x 4"	1	No	8.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
113	ELEC-1.4.2	Supply of T.W.Board of Size 4" x 7"	1	No	15.40
114	ELEC-1.4.3	Supply of T.W.Board of Size 6" x 6"	1	No	19.80
115	ELEC-1.4.4	Supply of T.W.Board of Size 6" x 8"	1	No	26.40
116	ELEC-1.4.5	Supply of T.W.Board of Size 8" x 10"	1	No	44.00
117	ELEC-1.4.6	Supply of T.W.Board of Size 10" x 12"	1	No	66.00
118	ELEC-1.4.7	Supply of T.W.Board of Size 12" x 15"	1	No	99.00
119	ELEC-1.4.8	Supply of T.W.Deep Box of Size 4" x 4"	1	No	8.80
120	ELEC-1.4.9	Supply of T.W.Deep Box of Size 4" x 7"	1	No	15.40
121	ELEC-1.4.10	Supply of T.W.Deep Box of Size 6" x 6"	1	No	19.80
122	ELEC-1.4.11	Supply of T.W.Deep Box of Size 6" x 8"	1	No	26.40
123	ELEC-1.4.12	Supply of T.W.Deep Box of Size 8" x 10"	1	No	44.00
124	ELEC-1.4.13	Supply of T.W.Deep Box of Size 10" x 12"	1	No	66.00
125	ELEC-1.4.14	Supply of T.W.Deep Box of Size 12" x 15"	1	No	99.00
126	ELEC-1.4.15	Supply of 3 mm thick hylam sheet of Size 4" x 4"	1	No	8.80
127	ELEC-1.4.16	Supply of 3 mm thick hylam sheet of Size 4" x 7"	1	No	15.40
128	ELEC-1.4.17	Supply of 3 mm thick hylam sheet of Size 6" x 6"	1	No	19.80
129	ELEC-1.4.18	Supply of 3 mm thick hylam sheet of Size 6" x 8"	1	No	26.40
130	ELEC-1.4.19	Supply of 3 mm thick hylam sheet of Size 8" x 10"	1	No	44.00
131	ELEC-1.4.20	Supply of 3 mm thick hylam sheet of Size 10" x 12"	1	No	66.00
132	ELEC-1.4.21	Supply of 3 mm thick hylam sheet of Size 12" x 15"	1	No	99.00
133	ELEC-1.4.22	Supply of Decolam Board of Size 4" x 4"	1	No	13.20
134	ELEC-1.4.23	Supply of Decolam Board of Size 4" x 7"	1	No	23.10
135	ELEC-1.4.24	Supply of Decolam Board of Size 6" x 6"	1	No	29.70
136	ELEC-1.4.25	Supply of Decolam Board of Size 6" x 8"	1	No	39.60
137	ELEC-1.4.26	Supply of Decolam Board of Size 8" x 10"	1	No	66.00
138	ELEC-1.4.27	Supply of Decolam Board of Size 10" x 12"	1	No	99.00
139	ELEC-1.4.28	Supply of Decolam Board of Size 12" x 15"	1	No	148.50
140	ELEC-1.4.29	Supply of Peeta Board of Size 9" x 14"	1	No	48.40
141	ELEC-1.4.30	Supply of Peeta Board of Size 12" x 10"	1	No	46.20
142	ELEC-1.4.31	Supply of Peeta Board of Size 15" x 20"	1	No	165.00
143	ELEC-1.4.32	Supply of Peeta Board of Size 18" x 24"	1	No	237.60
144	ELEC-1.4.33	Supply of Peeta Board of Size 18" x 30"	1	No	297.00
145	ELEC-1.4.34	Supply of No.8 Screws of 12mm.	100	Nos	54.00
146	ELEC-1.4.35	Supply of No.8 Screws of 25mm.	100	Nos	64.80
147	ELEC-1.4.36	Supply of No.8 Screws of 30mm.	100	Nos	81.00
148	ELEC-1.4.37	Supply of No.8 Screws of 35/38mm.	100	Nos	86.40
149	ELEC-1.4.38	Supply of No.8 Screws of 50mm.	100	Nos	97.20
150	ELEC-1.4.39	Supply of No.8 Screws of 63/75mm.	100	Nos	118.80
	1.5	COPPER FLEXIBLE CABLES (AS PER IS:694)			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
151	ELEC-1.5.1	Supply of 14/0.3mm (1.0 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Finolex / RR kabel / KEI	100	Mtrs	1,001.00
152	ELEC-1.5.2	Supply of 22/0.3mm (1.5 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Finolex / RR kabel / KEI	100	Mtrs	1,480.60
153	ELEC-1.5.3	Supply of 36/0.3mm (2.5 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Finolex / RR kabel / KEI	100	Mtrs	2,389.20
154	ELEC-1.5.4	Supply of 56/0.3mm (4.0 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Finolex / RR kabel / KEI	100	Mtrs	3,650.00
155	ELEC-1.5.5	Supply of 84/0.3mm (6.0 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Finolex / RR kabel / KEI	100	Mtrs	5,550.00
156	ELEC-1.5.6	Supply of 140/0.3mm (10.0 Sqmm) PVC FRLS / HFFR insulated flexible Copper cable of makes Finolex / RR kabel / KEI	100	Mtrs	8,600.00
157	ELEC-1.5.7	Supply of 126/0.4mm (16.0 Sqmm) PVC FRLS / HFFR insulated flexible Copper cable of makes Finolex / RR kabel / KEI	100	Mtrs	13,600.00
158	ELEC-1.5.8	Supply of 14/0.3mm (1.0 Sqmm) FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Ploycab / Havells / Sun Cab / Gold Medal / Million / Fortune Art / Paragon / HPL / L&T / Power Flex / RPG / Anchor / Bonton.	100	Mtrs	880.00
159	ELEC-1.5.9	Supply of 22/0.3mm (1.5 Sqmm) FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Ploycab / Havells / Sun Cab / Gold Medal / Million / Fortune Art / Paragon / HPL / L&T / Power Flex / RPG / Anchor / Bonton.	100	Mtrs	1,292.50
160	ELEC-1.5.10	Supply of 36/0.3mm (2.5 Sqmm) FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Ploycab / Havells / Sun Cab / Gold Medal / Million / Fortune Art / Paragon / HPL / L&T / Power Flex / RPG / Anchor / Bonton.	100	Mtrs	2,090.00
161	ELEC-1.5.11	Supply of 56/0.3mm (4.0 Sqmm) FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Ploycab / Havells / Sun Cab / Gold Medal / Million / Fortune Art / Paragon / HPL / L&T / Power Flex / RPG / Anchor / Bonton.	100	Mtrs	3,200.00
162	ELEC-1.5.12	Supply of 84/0.3mm (6.0 Sqmm) FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Ploycab / Havells / Sun Cab / Gold Medal / Million / Fortune Art / Paragon / HPL / L&T / Power Flex / RPG / Anchor / Bonton.	100	Mtrs	5,000.00
163	ELEC-1.5.13	Supply of 140/0.3mm (10.0 Sqmm) FRLS PVC insulated	100	Mtrs	7,600.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		flexible Copper cable of makes Ploycab / Havells / Sun Cab / Gold Medal / Million / Fortune Art / Paragon / HPL / L&T / Power Flex / RPG / Anchor / Bonton.			
164	ELEC-1.5.14	Supply of 126/0.4mm (16.0 Sqmm) PVC FRLS insulated flexible Copper cable of makes Ploycab / Havells / Sun Cab / Gold Medal / Million / Fortune Art / Paragon / HPL / L&T / Power Flex / RPG / Anchor / Bonton.	100	Mtrs	12,600.00
165	ELEC-1.5.15	Supply of 14/0.3mm (1.0 Sqmm) FR / FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Pawancab / Nakoda / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab / Vimal / V-Guard / Standard / Gloster.	100	Mtrs	759.00
166	ELEC-1.5.16	Supply of 22/0.3mm (1.5 Sqmm) FR / FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Pawancab / Nakoda / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab / Vimal / V-Guard / Standard / Gloster.	100	Mtrs	1,094.50
167	ELEC-1.5.17	Supply of 36/0.3mm (2.5 Sqmm) FR / FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Pawancab / Nakoda / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab / Vimal / V-Guard / Standard / Gloster.	100	Mtrs	1,767.70
168	ELEC-1.5.18	Supply of 56/0.3mm (4.0 Sqmm) FR / FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Pawancab / Nakoda / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab / Vimal / V-Guard / Standard / Gloster.	100	Mtrs	2,650.00
169	ELEC-1.5.19	Supply of 84/0.3mm (6.0 Sqmm) FR / FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Pawancab / Nakoda / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab / Vimal / V-Guard / Standard / Gloster.	100	Mtrs	4,100.00
170	ELEC-1.5.20	Supply of 140/0.3mm (10.0 Sqmm) FR / FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Pawancab / Nakoda / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab / Vimal / V-Guard / Standard / Gloster.	100	Mtrs	6,500.00
171	ELEC-1.5.21	Supply of 126/0.4mm (16.0 Sqmm) FR / FRLS PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable of makes Pawancab / Nakoda / Star / Milltec / Fine Cab / Payal / Sunlight / Bentec / Gemscab / Vimal / V-Guard / Standard / Gloster.	100	Mtrs	10,000.00
172	ELEC-1.5.22	Supply of PVC insulated 2 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990 of makes Finolex / RR Kable / KEI.	100	Mtrs	4,200.00
173	ELEC-1.5.23	Supply of PVC insulated 2 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1991 of	100	Mtrs	6,700.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		makes Finolex / RR Kable / KEI.			
174	ELEC-1.5.24	Supply of PVC insulated 2 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1992 of makes Finolex / RR Kable / KEI.	100	Mtrs	10,300.00
175	ELEC-1.5.25	Supply of PVC insulated 3 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990 of makes Finolex / RR Kable / KEI.	100	Mtrs	5,750.00
176	ELEC-1.5.26	Supply of PVC insulated 3 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990 of makes Finolex / RR Kable / KEI.	100	Mtrs	9,250.00
177	ELEC-1.5.27	Supply of PVC insulated 3 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990 of makes Finolex / RR Kable / KEI.	100	Mtrs	14,100.00
178	ELEC-1.5.28	Supply of PVC insulated 4 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990 of makes Finolex / RR Kable / KEI.	100	Mtrs	7,410.00
179	ELEC-1.5.29	Supply of PVC insulated 4 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1991 of makes Finolex / RR Kable / KEI.	100	Mtrs	11,800.00
180	ELEC-1.5.30	Supply of PVC insulated 4 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1992 of makes Finolex / RR Kable / KEI.	100	Mtrs	17,960.00
	1.6	SERVICE MAINS AND FLAT CABLE OF ISI FOR SUBMERSIBLE MOTORS.			
181	ELEC-1.6.1	Supply of 2.5 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire Polycab / V-Guard / Million / Payal / Vimal.	100	Mtrs	702.00
182	ELEC-1.6.2	Supply of 6 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire of makes Polycab / V-Guard / Million / Payal / Nakoda / Vimal.	100	Mtrs	1,425.60
183	ELEC-1.6.3	Supply of 10 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire of makes Polycab / Gold Medal / Million / Payal / Nakoda.	100	Mtrs	1,533.60
184	ELEC-1.6.4	Supply of 16 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire of makes Polycab / Gold Medal / Million / Payal / Nakoda.	100	Mtrs	2,565.00
185	ELEC-1.6.5	Supply of 6 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire of makes Polycab / V-Guard / Million / Payal / Nakoda / Vimal.	100	Mtrs	2,872.80
186	ELEC-1.6.6	Supply of 10 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire of makes Polycab / Gold Medal / Million / Payal / Nakoda.	100	Mtrs	3,456.00
187	ELEC-1.6.7	Supply of 16 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire of makes Polycab / Gold Medal / Million / Payal / Nakoda.	100	Mtrs	6,480.00
188	ELEC-1.6.8	Supply of 23 / 0060 twin core twisted / flat heavy Copper wire of makes Polycab / Gold Medal / Million / Payal /	100	Mtrs	990.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Nakoda.			
188	ELEC-1.6.9	Supply of 3 Core 1.5 Sqmm Flat Copper cable of ISI for Submersible Motors of makes Polycab / Gold Medal / Million / Payal / Nakoda.	100	Mtrs	5,445.00
189	ELEC-1.6.10	Supply of 3 Core 2.5 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors of makes Polycab / Gold Medal / Million / Payal / Havells / Nakoda.	100	Mtrs	8,360.00
190	ELEC-1.6.11	Supply of 3 Core 4.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors of makes Polycab / Gold Medal / Million / Payal / Havells / Nakoda.	100	Mtrs	12,540.00
191	ELEC-1.6.12	Supply of 3 Core 6.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors of makes Polycab / Gold Medal / Million / Payal / Havells / Nakoda.	100	Mtrs	18,480.00
192	ELEC-1.6.13	Supply of 3 Core 10.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors of makes Polycab / Gold Medal / Million / Payal / Havells / Nakoda.	100	Mtrs	30,030.00
	1.7	FLUSH TYPE SWITCHES AND ACCESSORIES			
193	ELEC-1.7.1	Supply of 6A 1 Way flush type Swich of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	18.00
194	ELEC-1.7.2	Supply of 6A 2 Way flush type Swich of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	21.00
195	ELEC-1.7.3	Supply of 6A 2 pin flush type Socket of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	20.00
196	ELEC-1.7.4	Supply of 6A 3/2 pin flush type Socket with shutter of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	27.00
197	ELEC-1.7.5	Supply of 6A flush type Neon Indicator of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	20.00
198	ELEC-1.7.6	Supply of 6A Triangle Plug Top of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	35.00
199	ELEC-1.7.7	Supply of 6A 1 Way flush type Bed Swich / Bell Push of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	21.00
200	ELEC-1.7.8	Supply of 16A flush type Swich of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	65.00
201	ELEC-1.7.9	Supply of 16A flush type Socket with shutter of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	65.00
202	ELEC-1.7.10	Supply of 16A flush type Switch Socket combined (2 in one) of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	102.00
203	ELEC-1.7.11	Supply of 16A flush type Switch, Socket, Fuse, Indicator combined (5 in one) of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	146.00
204	ELEC-1.7.12	Supply of 16A Triangle Plug Top of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	50.00
205	ELEC-1.7.13	Deleted SOR 10-11 ELEC-1.7.13			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
206	ELEC-1.7.14	Supply of stepped type Electronic Regulator of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	220.00
207	ELEC-1.7.15	Supply of 3 Plate Jumbo Ceiling Rose of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	21.00
208	ELEC-1.7.16	Supply of BH / SBH of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	20.00
209	ELEC-1.7.17	Supply of Pendent Holder / Adopter of makes Anchor / Gold Medal Olive / Million Zoom.	1	No	17.00
210	ELEC-1.7.18	Supply of Telephone Jack with Connector of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	48.00
211	ELEC-1.7.19	Supply of TV Antenna Outlet of makes Gold Medal Olive / Million Zoom / Anchor Penta Cherry.	1	No	26.00
212	ELEC-1.7.20	Supply of 15A/10A Flush type Fuse of makes Gold Medal / Million / Vimal / Maru Mantero / Anchor Penta Cherry.	1	No	32.00
213	ELEC-1.7.21	Supply of 32A DP Flush type of makes Gold Medal / Million / Anchor Penta Cherry.	1	No	106.00
214	ELEC-1.7.22	Supply of Calling Bell of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	50.00
215	ELEC-1.7.23	Supply of Buzzer of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	45.00
216	ELEC-1.7.24	Supply of Ding Dong Bell of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	102.00
217	ELEC-1.7.25	Supply of Electronic Musical Bell of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	240.00
218	ELEC-1.7.26	Supply of Remote Bell of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	450.00
219	ELEC-1.7.27	Deleted SOR 10-11 ELEC-1.7.28			
220	ELEC-1.7.28	Supply of MC Holder of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	21.00
221	ELEC-1.7.29	Supply of Spike Guard with 1 No Switch and 4 Nos Sockets of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	310.00
222	ELEC-1.7.30	Supply of Spike Guard with 4 No Switches and 4 Nos Sockets of makes Anchor / Gold Medal / Million / Vimal / Maru.	1	No	410.00
223	ELEC-1.7.31	Supply of 6A 1 Way flush type Switch of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	15.00
224	ELEC-1.7.32	Supply of 6A 2 Way flush type Switch of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	19.00
225	ELEC-1.7.33	Supply of 6A 2 pin flush type Socket of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	15.00
226	ELEC-1.7.34	Supply of 6A 3/2 pin flush type Socket with shutter of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	20.00
227	ELEC-1.7.35	Supply of 6A flush type Neon Indicator of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	18.00
228	ELEC-1.7.36	Supply of 6A Triangle Plug Top of makes Milltec / Vimal opel	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		/ Maru Mantero / Starex Smile / CPL.			28.00
229	ELEC-1.7.37	Supply of 6A 1 Way flush type Bed Switch / Bell Push of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	18.00
230	ELEC-1.7.38	Supply of 16A flush type Switch of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	55.00
231	ELEC-1.7.39	Supply of 16A flush type Socket with shutter of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	55.00
232	ELEC-1.7.40	Supply of 16A flush type Switch Socket combined (2 in one) of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	85.00
233	ELEC-1.7.41	Supply of 16A flush type Switch, Socket, Fuse, Indicator combined (5 in one) of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	110.00
234	ELEC-1.7.42	Supply of 16A Triangle Plug Top of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	44.00
235	ELEC-1.7.43	Supply of stepped type Electronic Regulator of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	180.00
236	ELEC-1.7.44	Supply of 3 Plate Jumbo Ceiling Rose of makes Milltec / Vimal opel / Maru Mantero / Starex Smile / CPL.	1	No	16.00
237	ELEC-1.7.45	Supply of 32A DP Flush type of makes Milltec / Vimal / Maru / Star.	1	No	85.00
	1.8	MINI MODULAR SWITCHES AND ACCESSORIES			
238	ELEC-1.8.1	Supply of 6A 1 Way Mini Modular Switch with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	23.00
239	ELEC-1.8.2	Supply of 6A 2 Way Mini Modular Switch with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	26.00
240	ELEC-1.8.3	Supply of 6A 2 Pin Mini Modular Socket with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	24.00
241	ELEC-1.8.4	Supply of 6A 3/2 Pin Mini Modular Socket with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	35.00
242	ELEC-1.8.5	Supply of 6A Mini Modular Neon Indicator with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	28.00
243	ELEC-1.8.6	Supply of 6A Mini Modular Bed Switch / Bell Push with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	26.00
244	ELEC-1.8.7	Supply of 6A 1 Way Mini Modular Switch with Neon Indicator with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	28.00
245	ELEC-1.8.8	Supply of 6A Mini Modular Bell Push with Neon Indicator with Cover Frame of makes GM / Anchor Excel / Gold	1	No	39.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Medal / Million / Vimal / Maru / Milltec / CPL.			
246	ELEC-1.8.9	Supply of 16A Mini Modular Switch with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	80.00
247	ELEC-1.8.10	Deleted SOR 10-11 ELEC-1.8.10			
248	ELEC-1.8.11	Supply of 16A (2 in one) Mini Modular Switch & Socket combined with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	110.00
249	ELEC-1.8.12	Supply of 16A (5 in one) Mini Modular Switch, Socket, Fuse and Indicator with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	185.00
250	ELEC-1.8.13	Supply of 16A Triangle Top with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	49.00
251	ELEC-1.8.14	Deleted SOR 10-11 ELEC-1.8.14			
252	ELEC-1.8.15	Supply of Mini Modular Stepped type Electronic Regulator with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	240.00
253	ELEC-1.8.16	Deleted SOR 11-12 ELEC-1.8.16			
254	ELEC-1.8.17	Deleted SOR 11-12 ELEC-1.8.17			
255	ELEC-1.8.18	Supply of Mini Modular Telephone Jack with Connector with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	54.00
256	ELEC-1.8.19	Supply of Mini Modular TV Antenna Outlet with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	35.00
257	ELEC-1.8.20	Supply of 16A/10A Mini Modular Flush Fuse with Cover Frame of makes GM / Anchor Excel / Gold Medal / Million / Vimal / Maru / Milltec / CPL.	1	No	40.00
	1.9	MODULAR SWITCHES AND ACCESSORIES			
258	ELEC-1.9.1	Supply of 6A / 10A 1 Way Modular Switch of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	92.00
259	ELEC-1.9.2	Supply of 6A / 10A 2 Way Modular Switch of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	101.00
260	ELEC-1.9.3	Supply of 6A / 10A 2 Pin Modular Socket of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	93.00
261	ELEC-1.9.4	Supply of 6A / 10A 3/2 Pin Modular Socket with shutter of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	141.00
262	ELEC-1.9.5	Supply of 6A / 10A Modular Switch with Neon Indicator of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	117.00
263	ELEC-1.9.6	Supply of 6A / 10A Modular Bell Push with Neon Indicator of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	137.00
264	ELEC-1.9.7	Supply of 16A / 10A Modular Flush Fuse with Neon Indicator of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	126.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
265	ELEC-1.9.8	Supply of 16A / 20A 1 Way Modular Switch of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	126.00
266	ELEC-1.9.9	Supply of 16A / 20A 2 Way Modular Switch of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	138.00
267	ELEC-1.9.10	Supply of 20A 1 Way Modular Switch with Indicator of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	138.00
268	ELEC-1.9.11	Supply of 20A Modular Socket with shutter of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	188.00
269	ELEC-1.9.12	Supply of 16A/6A 1 way Combi Socket Modular Socket with shutter of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	196.00
270	ELEC-1.9.13	Supply of 16A Triangle Top of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	158.00
271	ELEC-1.9.14	Supply of Electronic Regulator of Modular of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	473.00
272	ELEC-1.9.15	Deleted SOR 10-11 ELEC-1.9.15			
273	ELEC-1.9.16	Supply of Modular Telephone jack with Connector of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	100.00
274	ELEC-1.9.17	Supply of Modular TV Antenna outlet of Legrand Arteur / MK Blenge / Schneider Zen celo	1	No	98.00
275	ELEC-1.9.18	Supply of 6A / 10A 1 Way Modular Switch of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	63.00
276	ELEC-1.9.19	Supply of 6A / 10A 2 Way Modular Switch of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	75.00
277	ELEC-1.9.20	Supply of 6A / 10A 2 Pin Modular Socket with shutter of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	64.00
278	ELEC-1.9.21	Supply of 6A / 10A 3/2 Pin Modular Socket with shutter of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	93.00
279	ELEC-1.9.22	Supply of 6A / 10A Modular Switch with Neon Indicator of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	75.00
280	ELEC-1.9.23	Supply of 6A / 10A Modular Bell Push with Neon Indicator of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	90.00
281	ELEC-1.9.24	Supply of 16A / 10A Modular Flush Fuse with Neon Indicator of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	83.00
282	ELEC-1.9.25	Supply of 16A / 20A 1 Way Modular Switch of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	83.00
283	ELEC-1.9.26	Supply of 16A / 20A 2 Way Modular Switch of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	95.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
284	ELEC-1.9.27	Supply of 20A 1 Way Modular Switch with Indicator of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	91.00
285	ELEC-1.9.28	Supply of 20A Modular Socket with shutter of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	133.00
286	ELEC-1.9.29	Supply of 16A/6A 1 way Combi Socket Modular Socket with shutter of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	135.00
287	ELEC-1.9.30	Supply of 16A Triangle Top of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	65.00
288	ELEC-1.9.31	Deleted SOR 10-11 ELEC-1.9.31			
289	ELEC-1.9.32	Supply of Electronic Regulator of Modular of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	375.00
290	ELEC-1.9.33	Supply of Modular Telephone jack with Connector of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	65.00
291	ELEC-1.9.34	Supply of Modular TV Antenna outlet of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	64.00
292	ELEC-1.9.35	Supply of 1 or 2 Modular Cover Frame of Legrand Arteor / MK Blenge / Schneider Zen celo	1	No	65.00
293	ELEC-1.9.36	Supply of 3 Modular Cover Frame of Legrand Arteor / MK Blenge / Schneider Zen celo	1	No	77.00
294	ELEC-1.9.37	Supply of 4 Modular Cover Frame of Legrand Arteor / MK Blenge / Schneider Zen celo	1	No	89.00
295	ELEC-1.9.38	Supply of 6 Modular Cover Frame of Legrand Arteor / MK Blenge / Schneider Zen celo	1	No	130.00
296	ELEC-1.9.39	Supply of 8 Modular Horizontal / Vertical Cover Frame of Legrand Arteor / MK Blenge / Schneider Zen celo	1	No	172.00
297	ELEC-1.9.40	Supply of 12 Modular Vertical Cover Frame of Legrand Arteor / MK Blenge / Schneider Zen celo	1	No	210.00
298	ELEC-1.9.41	Supply of 1 or 2 Modular Cover Frame of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	56.00
299	ELEC-1.9.42	Supply of 3 Modular Cover Frame of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	69.00
300	ELEC-1.9.43	Supply of 4 Modular Cover Frame of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	81.00
301	ELEC-1.9.44	Supply of 6 Modular Cover Frame of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	108.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
302	ELEC-1.9.45	Supply of 8 Modular Horizontal / Vertical Cover Frame of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	137.00
303	ELEC-1.9.46	Supply of 12 Modular Vertical Cover Frame of Cabtree Thames Platinum / GM / Million / Anchor Roma viola / Toyoma / L&T / Fortune Art / CPL.	1	No	167.00
		SECTION - 2			
	2.1	PANEL MOUNTING SWITCH DISCONNECTOR FUSE UNITS (SDFU) AS PER IS: 13947			
304	ELEC-2.1.1	Supply of 32A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	1,351.00
305	ELEC-2.1.2	Supply of 63A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	2,329.00
306	ELEC-2.1.3	Supply of 125A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	5,578.00
307	ELEC-2.1.4	Supply of 200A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	7,280.00
308	ELEC-2.1.5	Supply of 250A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	8,740.00
309	ELEC-2.1.6	Supply of 400A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	13,455.00
310	ELEC-2.1.7	Supply of 630A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes L&T / G E / C&S / ABB / SIEMENS	1	No	22,759.00
311	ELEC-2.1.8	Supply of 32A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	1,129.00
312	ELEC-2.1.9	Supply of 63A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	1,692.00
313	ELEC-2.1.10	Supply of 125A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	3,827.00
314	ELEC-2.1.11	Supply of 200A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	5,783.00
315	ELEC-2.1.12	Supply of 250A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	6,521.00
316	ELEC-2.1.13	Supply of 400A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells /	1	No	9,960.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		HPL.			
317	ELEC-2.1.14	Supply of 630A TPN Switch Disconnecter Fuse Unit Cubical type without fuses of makes Standard / Crystal / Havells / HPL.	1	No	16,538.00
	2.2	ON LOAD CHANGEOVER SWITCHES (OPEN EXECUTION) AS PER IS:13947			
318	ELEC-2.2.1	Supply of 63A 4 Pole Change Over Switch on Load with open Execution of makes HPL Socomec / L & T	1	No	4,134.90
319	ELEC-2.2.2	Supply of 125A 4 Pole Change Over Switch on Load with open Execution of makes HPL Socomec / L & T	1	No	7,827.80
320	ELEC-2.2.3	Supply of 200A 4 Pole Change Over Switch on Load with open Execution of makes HPL Socomec / L & T	1	No	10,473.80
321	ELEC-2.2.4	Supply of 250A 4 Pole Change Over Switch on Load with open Execution of makes HPL Socomec / L & T	1	No	14,883.80
322	ELEC-2.2.5	Supply of 400A 4 Pole Change Over Switch on Load with open Execution of makes HPL Socomec / L & T	1	No	22,711.50
323	ELEC-2.2.6	Supply of 630A 4 Pole Change Over Switch on Load with open Execution of makes HPL Socomec / L & T	1	No	27,011.30
324	ELEC-2.2.7	Deleted SOR 11-12 ELEC-2.2.7			
325	ELEC-2.2.8	Deleted SOR 11-12 ELEC-2.2.8			
326	ELEC-2.2.9	Supply of 63A 4 Pole Change Over Switch on Load with open Execution of makes ABB / GE / SIEMENS / Standard / Crystal / Havells.	1	No	3,748.50
327	ELEC-2.2.10	Supply of 125A 4 Pole Change Over Switch on Load with open Execution of makes ABB / GE / SIEMENS / Standard / Crystal / Havells.	1	No	7,282.80
328	ELEC-2.2.11	Supply of 200A 4 Pole Change Over Switch on Load with open Execution of makes ABB / GE / SIEMENS / Standard / Crystal / Havells.	1	No	9,639.00
329	ELEC-2.2.12	Supply of 250A 4 Pole Change Over Switch on Load with open Execution of makes ABB / GE / SIEMENS / Standard / Crystal / Havells.	1	No	13,708.80
330	ELEC-2.2.13	Supply of 400A 4 Pole Change Over Switch on Load with open Execution of makes ABB / GE / SIEMENS / Standard / Crystal / Havells.	1	No	21,312.90
331	ELEC-2.2.14	Supply of 630A 4 Pole Change Over Switch on Load with open Execution of makes ABB / GE / SIEMENS / Standard / Crystal / Havells.	1	No	25,596.90
332	ELEC-2.2.15	Deleted SOR 11-12 ELEC-2.2.15			
333	ELEC-2.2.16	Deleted SOR 11-12 ELEC-2.2.16			
334	ELEC-2.2.17	Supply of 32A 4 Pole Change Over Switch on Load with open Execution of makes ABB / GE / SIEMENS / Standard / Crystal / Havells.	1	No	1,438.00
	2.3	OFF LOAD CHANGE OVER SWITCHES IN SS ENCLOSURE AS PER IS:13947			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
335	ELEC-2.3.1	Supply of 32A 240V DP Off load Changeover Switch in sheet steel enclosure of makes HPL / Havells / Standard / Crystal.	1	No	1,317.80
336	ELEC-2.3.2	Supply of 63A 415V FP Off load Changeover Switch in sheet steel enclosure of makes HPL / Havells / Standard. / Crystal.	1	No	4,593.80
337	ELEC-2.3.3	Supply of 100A 415V FP Off load Changeover Switch in sheet steel enclosure of makes HPL / Havells / Standard / Crystal.	1	No	7,005.60
338	ELEC-2.3.4	Supply of 32A 240V DP Off load Changeover Switch in sheet steel enclosure of makes Million / Sputnik / Sunlight / Bentec / Gold Medal / Star.	1	No	759.20
339	ELEC-2.3.5	Supply of 63A 415V FP Off load Changeover Switch in sheet steel enclosure of makes Million / Sputnik / Sunlight / Bentec / Gold Medal / Star.	1	No	2,669.10
340	ELEC-2.3.6	Supply of 100A 415V FP Off load Changeover Switch in sheet steel enclosure of makes Million / Sputnik / Sunlight / Bentec / Gold Medal.	1	No	5,019.00
	2.4	REWIRABLE / DOUBLE BREAK SWITCHES IN SS ENCLOSURE AS PER IS:13947			
341	ELEC-2.4.1	Supply of 32A 240V SPN Rewirable Fuse Switch in SS enclosure of makes HPL / Havells / Standard	1	No	936.00
342	ELEC-2.4.2	Supply of 32A 415V TPN Rewirable Fuse Switch in SS enclosure of makes HPL / Havells / Standard	1	No	1,446.00
343	ELEC-2.4.3	Supply of 63A 415V TPN Rewirable Fuse Switch in SS enclosure of makes HPL / Havells / Standard	1	No	3,302.00
344	ELEC-2.4.4	Supply of 100A 415V TPN Rewirable Fuse Switch in SS enclosure of makes HPL / Havells / Standard	1	No	6,148.00
345	ELEC-2.4.5	Supply of 100A 415V TPN Double Break Switch in SS enclosure without fuses of makes HPL / Havells / Standard	1	No	6,190.00
346	ELEC-2.4.6	Supply of 200A 415V TPN Double Break Switch in SS enclosure without fuses of makes HPL / Havells / Standard	1	No	9,025.00
347	ELEC-2.4.7	Supply of 32A 240V SPN Rewirable Fuse Switch in SS enclosure of makes Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec / Star.	1	No	620.00
348	ELEC-2.4.8	Supply of 32A 415V TPN Rewirable Fuse Switch in SS enclosure of makes Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec / Star.	1	No	1,033.00
349	ELEC-2.4.9	Supply of 63A 415V TPN Rewirable Fuse Switch in SS enclosure of makes Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec / Star.	1	No	2,350.00
350	ELEC-2.4.10	Supply of 100A 415V TPN Rewirable Fuse Switch in SS enclosure of makes Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec / Star.	1	No	4,579.00
351	ELEC-2.4.11	Supply of 100A 415V TPN Double Break Switch in SS enclosure without fuse of makes Crystal / Gold Medal / Million / Sputnik / Sunlight / Bentec.	1	No	4,730.00
352	ELEC-2.4.12	Supply of 200A 415V TPN Double Break Switch in SS enclosure without fuse of makes Crystal / Gold Medal /	1	No	7,747.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Million / Sputnik / Sunlight / Bentec.			
	2.5	HRC FUSE LINKS (BOLTED TYPE)			
353	ELEC-2.5.1	Supply of up to 32A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	49.50
354	ELEC-2.5.2	Supply of 32A to 63A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	77.00
355	ELEC-2.5.3	Supply of 125A to 200A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	247.50
356	ELEC-2.5.4	Supply of 250A to 350A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	363.00
357	ELEC-2.5.5	Supply of 400A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	704.00
358	ELEC-2.5.6	Supply of 630A HRC Fuse Links of makes L & T / G E / C & S / Standard / HPL / Havells.	1	No	1,424.50
	2.6	PORCELAIN REWIRABLE FUSE UNITS.			
359	ELEC-2.6.1	Supply of 32A 240V Porcelain Rewirable Fuse Units of makes Gold Medal / Million /HPL / Sputnik / Vimal / Standard / Star / Sunlight / Crystal / Bentec	1	No	99.00
360	ELEC-2.6.2	Supply of 32A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / Million /HPL / Sputnik / Vimal / Standard / Star / Sunlight / Crystal / Bentec	1	No	122.10
361	ELEC-2.6.3	Supply of 63A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / Million /HPL / Sputnik / Vimal / Standard / Star / Sunlight / Crystal / Bentec	1	No	258.50
362	ELEC-2.6.4	Supply of 100A 415V Porcelain Rewirable Fuse Units of makes Gold Medal / Million /HPL / Sputnik / Vimal / Standard / Star / Sunlight / Crystal / Bentec	1	No	484.00
363	ELEC-2.6.5	Supply of 200A 415V Porcelain Rewirable Fuse Units with extension strip of makes Gold Medal / Million /HPL / Sputnik / Vimal / Standard / Star / Sunlight / Crystal / Bentec	1	No	891.00
364	ELEC-2.6.6	Supply of 300A 415V Porcelain Rewirable Fuse Units with extension strip of makes Gold Medal / Million /HPL / Sputnik / Vimal / Standard / Star / Sunlight / Crystal / Bentec	1	No	1,181.40
	2.7	VOLTAGE SURGE PROTECTORS			
365	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	8,047.00
366	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	15,130.00
367	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	6,430.00
368	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	12,106.00
	2.8	PANEL MOUNTING MCCBs/ ACBs			
369	ELEC-2.8.1	Supply of 63A / 60A 3 Pole MCCB, Adjustable, Confirms to	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		IS/IEC 60947-2 having Breaking Capacity 25 KA Panel Mounted of makes L&T / Schneider / Siemens.			6,060.40
370	ELEC-2.8.2	Supply of 125A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA Panel Mounted of makes L&T / Schneider / Siemens.	1	No	7,194.00
371	ELEC-2.8.3	Supply of 250A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 36/35 KA Panel Mounted of makes L&T / Schneider / Siemens.	1	No	16,024.10
372	ELEC-2.8.4	Supply of 400A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 36/35 KA Panel Mounted of makes L&T / Schneider / Siemens.	1	No	21,691.00
373	ELEC-2.8.5	Supply of 63A / 60A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA Panel Mounted of makes L&T / Schneider / Siemens.	1	No	6,812.50
374	ELEC-2.8.6	Supply of 125A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA Panel Mounted of makes L&T / Schneider / Siemens.	1	No	8,698.20
375	ELEC-2.8.7	Supply of 250A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 35 KA Panel Mounted of makes L&T (DN2-250N) / Schneider / Siemens.	1	No	20,817.90
376	ELEC-2.8.8	Supply of 400A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 50 KA Panel Mounted of makes L&T / Schneider / Siemens.	1	No	26,208.00
377	ELEC-2.8.9	Supply of 63A / 60A 3 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA Panel Mounted of makes Legrand / GE / ABB / Havells / HPL / Standard / Crystal / Indo Asian.	1	No	4,229.20
378	ELEC-2.8.10	Supply of 125A 3 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA Panel Mounted of makes Legrand / GE / ABB / Havells / HPL / Standard / Crystal / Indo Asian.	1	No	4,806.90
379	ELEC-2.8.11	Supply of 250A 3 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 36/35 KA Panel Mounted of makes Legrand / GE / ABB / Havells / HPL / Standard / Crystal / Indo Asian.	1	No	14,822.90
380	ELEC-2.8.12	Supply of 400A 3 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 50 KA Panel Mounted of makes Legrand / GE / ABB / Havells / HPL / Standard / Crystal / Indo Asian.	1	No	16,569.10
381	ELEC-2.8.13	Supply of 63A / 60A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA Panel Mounted of makes Legrand / GE / ABB / Havells / HPL / Standard / Crystal / Indo Asian.	1	No	5,668.00
382	ELEC-2.8.14	Supply of 125A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA Panel Mounted of makes Legrand / GE / ABB / Havells / HPL / Standard / Crystal / Indo Asian.	1	No	6,322.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
383	ELEC-2.8.15	Supply of 250A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 50 KA Panel Mounted of makes Legrand / GE / ABB / Havells / HPL / Standard / Crystal / Indo Asian.	1	No	19,564.40
384	ELEC-2.8.16	Supply of 400A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 50 KA Panel Mounted of makes Legrand / GE / ABB / Havells / HPL / Standard / Crystal / Indo Asian.	1	No	22,890.00
385	ELEC-2.8.17	Supply of 630A 3 Pole, 50kA Air Circuit Breaker electrically fixed Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault Protection of Siemens / L&T make.	1	No	1,04,443.80
386	ELEC-2.8.18	Supply of 630A 4 Pole, 50kA Air Circuit Breaker electrically fixed Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault Protection of Siemens / L&T make.	1	No	1,29,840.80
387	ELEC-2.8.19	Supply of 630A 3 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault Protection of Siemens / L&T make.	1	No	1,39,792.50
388	ELEC-2.8.20	Supply of 630A 4 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault Protection of Siemens / L&T make.	1	No	1,73,146.50
389	ELEC-2.8.21	Supply of 800A 3 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault protection of makes Siemens / L&T / Schneider make.	1	No	1,47,275.40
390	ELEC-2.8.22	Supply of 800A 4 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault protection of makes Siemens / L&T / Schneider make.	1	No	1,82,744.00
391	ELEC-2.8.23	Supply of 1000A 3 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault protection of makes Siemens / L&T / Schneider / ABB make.	1	No	1,54,780.00
392	ELEC-2.8.24	Supply of 1000A 4 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault protection of makes Siemens / L&T / Schneider / ABB make.	1	No	1,94,892.00
393	ELEC-2.8.25	Supply of 630A 3 Pole, 50kA Air Circuit Breaker electrically fixed Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit	1	No	94,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		and earth fault Protection of ABB / Legrand / HPL / Indo Asian make.			
394	ELEC-2.8.26	Supply of 630A 4 Pole, 50kA Air Circuit Breaker electrically 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 ABB / Legrand / HPL / Indo Asian make.	1	No	1,16,857.00
395	ELEC-2.8.27	Supply of 630A 3 Pole, 50kA 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 ABB / Legrand / HPL / Indo Asian make.	1	No	1,25,813.00
396	ELEC-2.8.28	Supply of 630A 4 Pole, 50kA 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 ABB / Legrand / HPL / Indo Asian make.	1	No	1,55,832.00
397	ELEC-2.8.29	Supply of 800A 3 Pole, 50kA 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 ABB / GE / Legrand / HPL make.	1	No	1,32,548.00
398	ELEC-2.8.30	Supply of 800A 4 Pole, 50kA 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 ABB / GE / Legrand / HPL make.	1	No	1,64,470.00
399	ELEC-2.8.31	Supply, instalation, testing and commisioning of 800 Amp, 50KA breaking capacity (100% Neutral busbar) air insulated compact Raising mains system made of CRCA sheet steel encloser of thickness not less than 1.5 mm having degree of protection of IP 55 as per 2127. wall strap, fully PVC insulated four strip ALUMINIUM busbar in convinient sections including , end feed unit, end cover units suitable for 415 volts 3 phase, 4 wire, 50 Hz A.C. System,etc., Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	13,328.00
400	ELEC-2.8.32	Supply and Fixing of Spring suspension hanger for rising Main for 400A / 800A Raising Mains. Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	5,385.00
401	ELEC-2.8.33	Supply and Fixing of Suspension brackets for rising main for 400A / 800A Raising Mains Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	4,665.00
402	ELEC-2.8.34	Supply and Fixing of 800 Amps Horizontal / Vertical bends Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	34,800.00
403	ELEC-2.8.35	Supply and Fixing of Adopter box for 400A / 800A Raising Mains Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	15,000.00
404	ELEC-2.8.36	Supply and Fixing of 800 Amps Copper Flexibles for three phases and neutral Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	46,550.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
405	ELEC-2.8.37	Supply, instalation, testing and commisioning of 400 Amp, 50KA breaking capacity (100% Neutral busbar) air insulated compact Raising mains system made of CRCA sheet steel encloser of thickness not less than 1.5 mm having degree of protection of IP 55 as per 2127. wall strapes, fully PVC insulated four strip ALUMINIUM busbar in convinient sections including required end feed unit, end cover units suitable for 415 volts 3 phase, 4 wire, 50 Hz A.C. System,etc., Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	10,413.00
406	ELEC-2.8.38	Supply and Fixing of 400 Amps Horizontal / Vertical bends Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	32,750.00
407	ELEC-2.8.39	Supply and Fixing of 400 Amps Copper Flexibles for three phases and neutral Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	40,850.00
408	ELEC-2.8.40	Supply and Fixing of 400 Amps Tap off box Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	44,550.00
409	ELEC-2.8.41	Supply and Fixing of 250 Amps Tap off box Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	41,600.00
410	ELEC-2.8.42	Supply and Fixing of 250 Amps TPN 36KA DPX250-ER MCCB for tap off boxes for power supply Makes:- Legrand / L&T / Seimens / Schiender / GE make)	1	No	16,573.00
	2.9	MCBs (AS PER IS:60898-1:2002)			
411	ELEC-2.9.1	Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark of make Legrand / Schneider.	1	No	200.60
412	ELEC-2.9.2	Supply of 40-63A 10KA SP MCB, C/D Curve ISI Mark of make Legrand / Schneider.	1	No	422.90
413	ELEC-2.9.3	Supply of 6-32A 10KA DP MCB, C/D Curve ISI Mark of make Legrand / Schneider.	1	No	594.10
414	ELEC-2.9.4	Supply of 40-63A 10KA DP MCB, C/D Curve ISI Mark of make Legrand / Schneider.	1	No	961.40
415	ELEC-2.9.5	Supply of 6-32A 10KA TP MCB, C/D Curve ISI Mark of make Legrand / Schneider.	1	No	954.80
416	ELEC-2.9.6	Supply of 40-63A 10KA TP MCB, C/D Curve ISI Mark of make Legrand / Schneider.	1	No	1,477.00
417	ELEC-2.9.7	Supply of 6-32A 10KA FP MCB, C/D Curve ISI Mark of make Legrand / Schneider.	1	No	1,280.80
418	ELEC-2.9.8	Supply of 40-63A FP MCB, C/D Curve ISI Mark of make Legrand / Schneider.	1	No	1,898.80
419	ELEC-2.9.9	Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	161.30
420	ELEC-2.9.10	Supply of 40-63A 10KA SP MCB, C/D Curve ISI Mark of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	355.30
421	ELEC-2.9.11	Supply of 6-32A 10KA DP MCB, C/D Curve ISI Mark of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	511.20
422	ELEC-2.9.12	Supply of 40-63A 10KA DP MCB, C/D Curve ISI Mark of make L&T Exora / Hager / Siemens / GE / ABB / Standard / Havells	1	No	700.90

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		/ HPL / Indo Asian / Toyoma.			
423	ELEC-2.9.13	Supply of 6-32A 10KA TP MCB, C/D Curve ISI Mark of make L&T Exora / Hager / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	817.50
424	ELEC-2.9.14	Supply of 40-63A 10KA TP MCB, C/D Curve ISI Mark of make L&T Exora / Hager / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	1,133.60
425	ELEC-2.9.15	Supply of 6-32A 10KA FP MCB, C/D Curve ISI Mark of make L&T Exora / Hager / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	1,061.70
426	ELEC-2.9.16	Supply of 40 - 63A 10KA FP MCB, C/D Curve ISI Mark of make L&T Exora / Hager / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	1,423.50
427	ELEC-2.9.17	Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	121.00
428	ELEC-2.9.18	Supply of 40-63A 10KA SP MCB, C/D Curve ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	220.20
429	ELEC-2.9.19	Supply of 6-32A 10KA DP MCB, C/D Curve ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	334.60
430	ELEC-2.9.20	Supply of 40-63A 10KA DP MCB, C/D Curve ISI Mark C-Curve of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	500.30
431	ELEC-2.9.21	Supply of 6-32A 10KA TP MCB, C/D Curve ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	611.50
432	ELEC-2.9.22	Supply of 40 - 63A 10KA TP MCB, C/D Curve ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	945.00
433	ELEC-2.9.23	Supply of 6-32A 10KA FP MCB, C/D Curve ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	787.00
434	ELEC-2.9.24	Supply of 40 - 63A 10KA FP MCB, C/D Curve ISI Mark of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1,111.80
	2.10	ISOLATORS CONFIRMS TO I E C 60947 PART-III			
435	ELEC-2.10.1	Supply of 32A DP Isolator of make Legrand / Schneider.	1	No	337.90
436	ELEC-2.10.2	Supply of 40A DP Isolator of make Legrand / Schneider.	1	No	366.20
437	ELEC-2.10.3	Supply of 63A DP Isolator of make Legrand / Schneider.	1	No	487.20
438	ELEC-2.10.4	Supply of 40A TP Isolator of make Legrand / Schneider.	1	No	623.50
439	ELEC-2.10.5	Supply of 63A TP Isolator of make Legrand / Schneider.	1	No	724.90
440	ELEC-2.10.6	Supply of 40A FP Isolator of make Legrand / Schneider.	1	No	813.10
441	ELEC-2.10.7	Supply of 63A FP Isolator of make Legrand / Schneider.	1	No	889.40
442	ELEC-2.10.8	Supply of 80A FP Isolator of make L&T Hager / Siemens / Schneider.	1	No	940.70
443	ELEC-2.10.9	Supply of 100A FP Isolator of make Legrand / Schneider.	1	No	955.90
444	ELEC-2.10.10	Supply of 32A DP Isolator of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	317.20
445	ELEC-2.10.11	Supply of 40A DP Isolator of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	333.50
446	ELEC-2.10.12	Supply of 63A DP Isolator of make L&T Exora / Siemens /	1	No	410.90

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.			
447	ELEC-2.10.13	Supply of 40A TP Isolator of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	584.20
448	ELEC-2.10.14	Supply of 63A TP Isolator of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	589.70
449	ELEC-2.10.15	Supply of 40A FP Isolator of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	678.00
450	ELEC-2.10.16	Supply of 63A FP Isolator of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	733.60
451	ELEC-2.10.17	Supply of 80A FP Isolator of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	862.20
452	ELEC-2.10.18	Supply of 100A FP Isolator of make L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	917.80
453	ELEC-2.10.19	Supply of 32A DP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	214.70
454	ELEC-2.10.20	Supply of 40A DP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	257.20
455	ELEC-2.10.21	Supply of 63A DP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	344.40
456	ELEC-2.10.22	Supply of 40A TP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	382.60
457	ELEC-2.10.23	Supply of 63A TP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	427.30
458	ELEC-2.10.24	Supply of 40A FP Isolator of make Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	571.20
459	ELEC-2.10.25	Deleted SOR 11-12 ELEC-2.10.25			
460	ELEC-2.10.26	Deleted SOR 11-12 ELEC-2.10.26			
461	ELEC-2.10.27	Deleted SOR 11-12 ELEC-2.10.27			
	2.11	RCCBs CONFIRMS TO IEC:61008 AND IS:12640			
462	ELEC-2.11.1	Supply of 40A 2 Pole RCCB 30mA, of makes Legrand / Schneider.	1	No	3,000.00
463	ELEC-2.11.2	Supply of 63A 2 Pole RCCB 30mA, of makes Legrand / Schneider.	1	No	3,500.00
464	ELEC-2.11.3	Supply of 40A 2 Pole RCCB 100mA, of makes Legrand / Schneider.	1	No	3,200.00
465	ELEC-2.11.4	Supply of 63A 2 Pole RCCB 100mA, of makes Legrand / Schneider.	1	No	3,700.00
466	ELEC-2.11.5	Supply of 40A 4 Pole RCCB 30mA, of makes Legrand / Schneider.	1	No	3,300.00
467	ELEC-2.11.6	Supply of 63A 4 Pole RCCB 30mA, of makes Legrand / Schneider.	1	No	3,700.00
468	ELEC-2.11.7	Supply of 40A 4 Pole RCCB 100mA, of makes Legrand / Schneider.	1	No	3,300.00
469	ELEC-2.11.8	Supply of 63A 4 Pole RCCB 100mA, of makes Legrand / Schneider.	1	No	4,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
470	ELEC-2.11.9	Supply of 40A 2 Pole RCCB 30mA, of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	2,151.70
471	ELEC-2.11.10	Supply of 63A 2 Pole RCCB 30mA, of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	2,901.60
472	ELEC-2.11.11	Supply of 40A 2 Pole RCCB 100mA, of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	2,117.90
473	ELEC-2.11.12	Supply of 63A 2 Pole RCCB 100mA, of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	2,779.50
474	ELEC-2.11.13	Supply of 40A 4 Pole RCCB 30mA, of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	2,646.50
475	ELEC-2.11.14	Supply of 63A 4 Pole RCCB 30mA, of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	3,018.20
476	ELEC-2.11.15	Supply of 40A 4 Pole RCCB 100mA, of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	2,557.10
477	ELEC-2.11.16	Supply of 63A 4 Pole RCCB 100mA, of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	2,946.30
478	ELEC-2.11.17	Deleted SOR 11-12 ELEC-2.11.17			
479	ELEC-2.11.18	Deleted SOR 11-12 ELEC-2.11.18			
480	ELEC-2.11.19	Deleted SOR 11-12 ELEC-2.11.19			
481	ELEC-2.11.20	Deleted SOR 11-12 ELEC-2.11.20			
482	ELEC-2.11.21	Deleted SOR 11-12 ELEC-2.11.21			
483	ELEC-2.11.22	Deleted SOR 11-12 ELEC-2.11.22			
484	ELEC-2.11.23	Deleted SOR 11-12 ELEC-2.11.23			
485	ELEC-2.11.24	Deleted SOR 11-12 ELEC-2.11.24			
486	ELEC-2.11.25	Supply of MCB type Change Over Switch 20A Double Pole 2 way 400V AC suitable to fix on Din Channel of makes Legrand / Schneider.	1	No	1,879.20
	2.12	MCB DISTRIBUTION BOARDS (AS PER IS:13032)			
487	ELEC-2.12.1	Supply of 4 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete of makes Legrand / Schneider.	1	No	760.00
488	ELEC-2.12.2	Supply of 8 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 8Nos S.P out goings and for 1 No Incommer etc complete of makes Legrand / Schneider.	1	No	880.00
489	ELEC-2.12.3	Supply of 12 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 12Nos S.P out goings and for 1 No Incommer etc complete of makes Legrand / Schneider.	1	No	1,045.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
490	ELEC-2.12.4	Supply of 4 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete of makes Legrand / Schneider.	1	No	990.00
491	ELEC-2.12.5	Supply of 8 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 8Nos S.P out goings and for 1 No Incommer etc complete of makes Legrand / Schneider.	1	No	1,245.00
492	ELEC-2.12.6	Supply of 12 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 12Nos S.P out goings and for 1 No Incommer etc complete of makes Legrand / Schneider.	1	No	1,505.00
493	ELEC-2.12.7	Supply of 4 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	462.20
494	ELEC-2.12.8	Supply of 8 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 8 Nos S.P out goings and for 1 No Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	605.90
495	ELEC-2.12.9	Supply of 12 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 12 Nos S.P out goings and for 1 No Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	694.40
496	ELEC-2.12.10	Supply of 4 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	799.20
497	ELEC-2.12.11	Supply of 8 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 8 Nos S.P out goings and for 1 No Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	1,129.70
498	ELEC-2.12.12	Supply of 12 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 12 Nos S.P out goings and for 1 No Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	1,350.00
499	ELEC-2.12.13	Supply of 4 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete of makes Milltec / Sputnik / Crystal / Bentec.	1	No	327.20
500	ELEC-2.12.14	Supply of 8 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 8 Nos S.P out goings and for 1 No Incommer etc complete of makes Milltec / Sputnik / Crystal / Bentec.	1	No	446.00
501	ELEC-2.12.15	Supply of 12 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 12 Nos S.P out goings and for 1 No Incommer etc complete of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal.	1	No	546.50
502	ELEC-2.12.16	Supply of 4 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No	1	No	550.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Incommer etc complete of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal.			
503	ELEC-2.12.17	Supply of 8 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 8 Nos S.P out goings and for 1 No Incommer etc complete of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal.	1	No	756.00
504	ELEC-2.12.18	Supply of 12 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 12 Nos S.P out goings and for 1 No Incommer etc complete of makes Milltec / Sputnik / Crystal / Bentec / Gold Medal.	1	No	956.90
505	ELEC-2.12.19	Supply of 4 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 12 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Legrand / Schneider.	1	No	1,500.00
506	ELEC-2.12.20	Supply of 8 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 24 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Legrand / Schneider.	1	No	2,200.00
507	ELEC-2.12.21	Supply of 12 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Legrand / Schneider.	1	No	4,205.00
508	ELEC-2.12.22	Supply of 4 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 12 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Legrand / Schneider.	1	No	2,490.50
509	ELEC-2.12.23	Supply of 8 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 24 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Legrand / Schneider.	1	No	3,750.00
510	ELEC-2.12.24	Supply of 12 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Legrand / Schneider.	1	No	5,428.10
511	ELEC-2.12.25	Supply of 4 Way TPN DB Vertical with IP 20 Protection as per IS:13032 and suitable for 12 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Legrand / Schneider.	1	No	5,124.60
512	ELEC-2.12.26	Supply of 8 Way TPN DB Vertical with IP 20 Protection as per IS:13032 and suitable for 24 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Legrand / Schneider.	1	No	6,321.20
513	ELEC-2.12.27	Supply of 12 Way TPN DB Vertical with IP 20 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Legrand / Schneider.	1	No	9,201.60
514	ELEC-2.12.28	Supply of 4 Way VTPN DB suitable for accommodating 4	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 4Nos T.P. out goings etc complete of makes Legrand / Schneider.			6,045.00
515	ELEC-2.12.29	Supply of 6 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 6 Nos T.P. out goings etc complete of makes Legrand / Schneider.	1	No	7,000.00
516	ELEC-2.12.30	Supply of 8 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings etc complete of makes Legrand / Schneider.	1	No	7,770.00
517	ELEC-2.12.31	Supply of 12 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 12 Nos T.P. out goings etc complete of makes Legrand / Schneider.	1	No	10,077.50
518	ELEC-2.12.32	Supply of 7 Segment 4 Way TPN DB with IP 42 Protection with provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and 12 Nos SPMCB's as out going of makes Legrand / Schneider.	1	No	6,500.00
519	ELEC-2.12.33	Supply of 7 Segment 8 Way TPN DB with IP 42 Protection with provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and 24Nos SPMCB's as out going of makes Legrand / Schneider.	1	No	7,800.00
520	ELEC-2.12.34	Supply of 4 Way TPN DB suitable for accomodating 125A 4 Pole MCCB as incomer and 4 Nos TP MCBs as outgoing and with IP 43 Protection of makes Legrand / Schneider.	1	No	7,843.00
521	ELEC-2.12.35	Supply of 8 Way TPN DB suitable for accomodating 125A 4 Pole MCCB as incomer and 8 Nos TP MCBs as outgoing and with IP 43 Protection of makes Legrand / Schneider.	1	No	9,822.60
522	ELEC-2.12.36	Supply of 20A SP Plug and Socket in SS enclosure of makes Legrand / Schneider.	1	No	900.70
523	ELEC-2.12.37	Supply of 20A TP Plug and Socket in SS enclosure of makes Legrand / Schneider.	1	No	1,914.80
524	ELEC-2.12.38	Supply of 32A TP Plug and Socket in SS enclosure of makes Legrand / Schneider.	1	No	2,286.40
525	ELEC-2.12.39	Supply of 4 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 12 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	1,550.00
526	ELEC-2.12.40	Supply of 8 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 24 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	2,200.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
527	ELEC-2.12.41	Supply of 12 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	3,000.00
528	ELEC-2.12.42	Supply of 4 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 12 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	2,200.00
529	ELEC-2.12.43	Supply of 8 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 24 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	3,500.00
530	ELEC-2.12.44	Supply of 12 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	5,000.00
531	ELEC-2.12.45	Supply of 4 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 20 Protection as per IS:13032 and suitable for 4Nos T.P. out goings etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	3,800.00
532	ELEC-2.12.46	Supply of 8 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 20 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings and for etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	5,250.00
533	ELEC-2.12.47	Supply of 12 WayVTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 20 Protection as per IS:13032 and suitable for 12 Nos T.P. out goings etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	6,800.00
534	ELEC-2.12.48	Supply of 4 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 4Nos T.P. out goings etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	5,600.00
535	ELEC-2.12.49	Supply of 8 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	7,100.00
536	ELEC-2.12.50	Supply of 12 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per	1	No	9,100.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		IS:13032 and suitable for 12Nos T.P. out goings etc complete of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.			
537	ELEC-2.12.51	Supply of 7 Segment 4 Way TPN DB Vertical with IP 43 Protection with provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and 12Nos SPMCB's as out goings of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	4,900.00
538	ELEC-2.12.52	Supply of 7 Segment 8 Way TPN DB Vertical with IP 43 Protection with provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and 12Nos SPMCB's of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	6,200.00
539	ELEC-2.12.53	Supply of 20A SP Plug and Socket in SS enclosure of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	680.00
540	ELEC-2.12.54	Supply of 20A TP Plug and Socket in SS enclosure of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	1,275.00
541	ELEC-2.12.55	Supply of 32A TP Plug and Socket in SS enclosure of makes L&T Exora / Siemens / GE / ABB / Standard / Havells / HPL / Indo Asian / Toyoma.	1	No	1,900.00
542	ELEC-2.12.56	Supply of 4 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 12Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1,275.00
543	ELEC-2.12.57	Supply of 8 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 24Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1,770.00
544	ELEC-2.12.58	Supply of 12 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 36Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	2,200.00
545	ELEC-2.12.59	Supply of 4 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 12Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1,650.00
546	ELEC-2.12.60	Supply of 6 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 18Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1,900.00
547	ELEC-2.12.61	Supply of 8 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 24Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Gold Medal /	1	No	2,200.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Milltec / Sputnik / Crystal / Bentec.			
548	ELEC-2.12.62	Supply of 12 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	2,800.00
549	ELEC-2.12.63	Supply of 4 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 20 Protection as per IS:13032 and suitable for 4 Nos T.P. out goings etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	2,700.00
550	ELEC-2.12.64	Supply of 6 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 20 Protection as per IS:13032 and suitable for 6 Nos T.P. out goings and for 1 No 4 pole Incommer etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	3,500.00
551	ELEC-2.12.65	Supply of 8 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 20 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	4,700.00
552	ELEC-2.12.66	Supply of 4 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 4 Nos T.P. out goings etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	2,700.00
553	ELEC-2.12.67	Supply of 8 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	4,700.00
554	ELEC-2.12.68	Supply of 12 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 12 Nos T.P. out goings etc complete of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	6,300.00
555	ELEC-2.12.69	Supply of 20A SP Plug and Socket in SS enclosure of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	590.00
556	ELEC-2.12.70	Supply of 20A TP Plug and Socket in SS enclosure of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	925.00
557	ELEC-2.12.71	Supply of 32A TP Plug and Socket in SS enclosure of makes Gold Medal / Milltec / Sputnik / Crystal / Bentec.	1	No	1,300.00
558	ELEC-2.12.72	Supply of SP Enclosure with IP 20 Protection of makes Legrand / Schneider.	1	No	250.00
559	ELEC-2.12.73	Supply of DP/TP/FP Metal Enclosure with IP 20 Protection of makes Legrand / Schneider.	1	No	366.00
	-	SECTION - 3			-
-	3.1	STREET LIGHT LUMINAIRES			-
560	ELEC-3.1.1	Supply of 1 x 36/40 W fluorescent street light luminaire with sheet aluminium housing and UV stabilised acrylic cover with all standard accessories etc of makes Wipro /	1	No	1,459.50

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		G.E. / Phillips / Bajaj / Crompton.			
561	ELEC-3.1.2	Supply of 1 x 36/40 W fluorescent street light luminaire with sheet aluminium housing and UV stabilised acrylic cover with all standard accessories etc of makes HPL / Surya / Havells.	1	No	1,365.00
562	ELEC-3.1.3	Supply of 1 x 36/40 W fluorescent street light luminaire with sheet aluminium housing and UV stabilised acrylic cover with all standard accessories etc of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	1,344.00
563	ELEC-3.1.4	Deleted SOR 11-12 ELEC-3.1.4			
564	ELEC-3.1.5	Deleted SOR 11-12 ELEC-3.1.5			
565	ELEC-3.1.6	Deleted SOR 11-12 ELEC-3.1.6			
566	ELEC-3.1.7	Deleted SOR 11-12 ELEC-3.1.7			
567	ELEC-3.1.8	Deleted SOR 11-12 ELEC-3.1.8			
568	ELEC-3.1.9	Deleted SOR 11-12 ELEC-3.1.9			
569	ELEC-3.1.10	Supply of 70W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	3,921.80
570	ELEC-3.1.11	Supply of 70W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc of makes HPL / Surya / Havells.	1	No	3,863.00
571	ELEC-3.1.12	Supply of 70W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	3,360.00
572	ELEC-3.1.13	Supply of 150W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	5,758.20
573	ELEC-3.1.14	Supply of 150W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc of makes HPL / Surya / Havells / Venture.	1	No	5,368.70
574	ELEC-3.1.15	Supply of 150W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	5,197.50
575	ELEC-3.1.16	Supply of 250W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	6,615.00
576	ELEC-3.1.17	Supply of 250W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc of makes	1	No	6,390.30

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		HPL / Surya / Havells / Venture.			
577	ELEC-3.1.18	Supply of 250W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP66 protection with all standard accessories etc of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	5,670.00
578	ELEC-3.1.19	Supply of 150W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	5,811.80
579	ELEC-3.1.20	Supply of 150W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc of makes HPL / Surya / Havells / Venture.	1	No	5,208.00
580	ELEC-3.1.21	Supply of 150W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	4,410.00
581	ELEC-3.1.22	Supply of 250W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	7,560.00
582	ELEC-3.1.23	Supply of 250W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc of makes HPL / Surya / Havells / Venture.	1	No	7,350.00
583	ELEC-3.1.24	Supply of 250W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	7,140.00
584	ELEC-3.1.25	Supply of 400W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	8,032.50
585	ELEC-3.1.26	Supply of 400W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc of makes HPL / Surya / Havells / Venture.	1	No	7,560.00
586	ELEC-3.1.27	Deleted SOR 11-12 ELEC-3.1.21			
587	ELEC-3.1.28	Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP66 protection with Control Gear Box without lamp of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	8,151.20
588	ELEC-3.1.29	Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP66 protection with Control Gear Box without lamp of makes HPL / Surya / Havells / Venture.	1	No	7,770.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
589	ELEC-3.1.30	Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP66 protection with Control Gear Box without lamp of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	7,140.00
590	ELEC-3.1.31	Supply of 2 x 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP66 protection with Control Gear Box without lamp of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	15,740.60
591	ELEC-3.1.32	Supply of 2 x 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP66 protection with Control Gear Box without lamp of makes Surya / HPL / Transrail.	1	No	15,014.00
592	ELEC-3.1.33	Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP66 protection with Control Gear Box without lamp of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	9,096.20
593	ELEC-3.1.34	Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP66 protection with Control Gear Box without lamp of makes Surya / HPL / Transrail.	1	No	8,374.80
594	ELEC-3.1.35	Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP66 protection with Control Gear Box without lamp of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	7,536.90
595	ELEC-3.1.36	Supply of 2 x 400W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP66 protection with Control Gear Box without lamp of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	17,742.90
596	ELEC-3.1.37	Supply of 2 x 400W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP66 protection with Control Gear Box without lamp of makes Surya / HPL / Transrail.	1	No	16,449.30
597	ELEC-3.1.38	Supply of 500W Hallozen Flood light luminaire with cast aluminium housing and tough end glass cover with all standard accessories of makes Wipro / G.E. / Phillips / Bajaj / Crompton.	1	No	767.60
598	ELEC-3.1.39	Supply of 500W Hallozen Flood light luminaire with cast aluminium housing and tough end glass cover with all standard accessories of makes Surya / HPL / Transrail.	1	No	726.60
599	ELEC-3.1.40	Supply of 500W Hallozen Flood light luminaire with cast aluminium housing and tough end glass cover with all standard accessories of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	630.00
600	ELEC-3.1.41	Supply of 1000W Hallozen Flood light luminaire with cast aluminium housing and tough end glass cover with all	1	No	1,801.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		standard accessories of makes Wipro / G.E. / Phillips / Bajaj / Crompton.			
601	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 Surya / HPL / Transrail.	1	No	1,547.70
602	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 / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	1,260.00
603	ELEC-3.1.44	Deleted SOR 11-12 ELEC-3.1.44			
604	ELEC-3.1.45	Deleted SOR 11-12 ELEC-3.1.45			
605	ELEC-3.1.46	Supply of 70W SV/MH Well glass and low bay luminaire of IP 66 integral type of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	2,806.70
606	ELEC-3.1.47	Supply of 70W SV/MH Well glass and low bay luminaire of IP 66 integral type of makes HPL / Surya / Havells.	1	No	2,716.40
607	ELEC-3.1.48	Supply of 1 x 26W CFL well glass, low bay luminaire with die cast alluminium housing epoxy gray powder coated built in Electronic ballast with gink plated wire guard and eye bolt of make Wipro / GE / Phillips / Crompton / Bajaj.	1	No	2,250.00
608	ELEC-3.1.49	Supply of 2 x 26W CFL well glass, low bay luminaire with die cast alluminium housing epoxy gray powder coated built in Electronic ballast with gink plated wire guard and eye bolt of make Wipro / GE / Phillips / Crompton / Bajaj.	1	No	2,625.00
	3.2	POST TOP LANTERN LUMINAIRES			
609	ELEC-3.2.1	Supply of 1 x 18W CFL integral post top luminaire with conical shape, opal clear acrylic diffuser with cast alluminium pole mounting capsule complete with all accessories and ballast of makes Crompton / Bajaj / Surya / K Lite / HPL.	1	No	1,837.50
610	ELEC-3.2.2	Deleted SOR 11-12 ELEC-3.2.2			
611	ELEC-3.2.3	Supply of 70W SV / MH integral HID lamp post top lantern BJDPTI 70SV / MH LPF or its equivalent with diamond / Mushroom / Spherical diffuser etc complete with all accessories of makes Wipro / Phillips / Bajaj / Crompton / Surya / HPL.	1	No	3,822.00
		ACCESSORIES FOR MV / SV / MH LUMINAIRES			
	3.3	COPPER BALLASTS			
612	ELEC-3.3.1	Supply of 80W MV copper ballast of makes G.E. / Phillips / Crompton / Bajaj / Surya / Havells.	1	No	787.50
613	ELEC-3.3.2	Supply of 80W MV copper ballast of makes RK / Style Lamp / Akhil / Capart.	1	No	756.00
614	ELEC-3.3.3	Supply of 125W MV copper ballast.of makes G.E. / Phillips / Crompton / Bajaj / Surya / Havells.	1	No	861.00
615	ELEC-3.3.4	Supply of 125W MV copper ballast.of makes RK / Style Lamp / Akhil / Capart.	1	No	766.50

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
616	ELEC-3.3.5	Supply of 70 W SV / MH copper ballast.of makes Wipro / G.E. / Phillips / Thorn.	1	No	840.00
617	ELEC-3.3.6	Supply of 70 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / HPL / Havells / Venture.	1	No	756.00
618	ELEC-3.3.7	Supply of 70 W SV / MH copper ballast.of makes RK / Style Lamp / Akhil / Capart.	1	No	682.50
619	ELEC-3.3.8	Supply of 150 W SV / MH copper ballast.of makes Wipro / G.E. / Phillips / Thorn.	1	No	1,312.50
620	ELEC-3.3.9	Supply of 150 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / HPL / Havells / Venture.	1	No	1,181.30
621	ELEC-3.3.10	Supply of 150 W SV / MH copper ballast.of makes RK / Style Lamp / Akhil / Capart.	1	No	1,060.50
622	ELEC-3.3.11	Supply of 250 W SV / MH copper ballast.of makes Wipro / G.E. / Phillips / Thorn.	1	No	1,890.00
623	ELEC-3.3.12	Supply of 250 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / HPL / Havells / Venture.	1	No	1,680.00
624	ELEC-3.3.13	Supply of 250 W SV / MH copper ballast.of makes RK / Style Lamp / Akhil / Capart.	1	No	1,438.50
625	ELEC-3.3.14	Supply of 400 W SV / MH copper ballast.of makes Wipro / G.E. / Phillips / Thorn.	1	No	2,730.00
626	ELEC-3.3.15	Supply of 400 W SV / MH copper ballast.of makes Crompton / Bajaj / Surya / HPL / Havells / Venture.	1	No	2,457.00
627	ELEC-3.3.16	Supply of 400 W SV / MH copper ballast.of makes RK / Style Lamp / Akhil / Capart.	1	No	1,995.00
628	ELEC-3.3.17	Supply of Ignitor for SV / MH Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj / Surya / HPL / Havells / Venture.	1	No	199.50
629	ELEC-3.3.18	Supply of 4 mfd HPF Capacitor of makes Wipro / G.E. / Phillips make	1	No	126.00
630	ELEC-3.3.19	Supply of 4 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	111.30
631	ELEC-3.3.20	Supply of 4 mfd HPF Capacitor of makes Elton / RK / Mahita Electro / Capart.	1	No	89.30
632	ELEC-3.3.21	Supply of 10 mfd HPF Capacitor of makes Wipro / G.E. / Phillips make	1	No	210.00
633	ELEC-3.3.22	Supply of 10 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	189.00
634	ELEC-3.3.23	Supply of 10 mfd HPF Capacitor of makes Elton / RK / Mahita Electro / Capart.	1	No	157.50
635	ELEC-3.3.24	Supply of 15 mfd HPF Capacitor of makes Wipro / G.E. / Phillips make	1	No	252.00
636	ELEC-3.3.25	Supply of 15 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	189.00
637	ELEC-3.3.26	Deleted SOR 11-12 ELEC-3.3.26			
638	ELEC-3.3.27	Supply of 20 mfd HPF Capacitor of makes Wipro / G.E. / Phillips make	1	No	336.00
639	ELEC-3.3.28	Supply of 20 mfd HPF Capacitor of makes Crompton / Bajaj	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		/ Surya / Havells.			262.50
640	ELEC-3.3.29	Deleted SOR 11-12 ELEC-3.3.29			
641	ELEC-3.3.30	Supply of 33 mfd HPF Capacitor of makes Wipro / G.E. / Phillips make	1	No	546.00
642	ELEC-3.3.31	Supply of 33 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	504.00
643	ELEC-3.3.32	Deleted SOR 11-12 ELEC-3.3.32	1	No	420.00
644	ELEC-3.3.33	Supply of 42 mfd HPF Capacitor of makes Wipro / G.E. / Phillips make	1	No	609.00
645	ELEC-3.3.34	Supply of 42 mfd HPF Capacitor of makes Crompton / Bajaj / Surya / Havells.	1	No	525.00
646	ELEC-3.3.35	Deleted SOR 11-12 ELEC-3.3.35			
647	ELEC-3.3.40	Supply of 40W ballasts for Induction Lamp of Makes Make:Crompton / Bajaj / Synergy Solutions / Fortune Art / Billion Light	1	No	5,000.00
648	ELEC-3.3.41	Supply of 80W ballasts for Induction Lamp of Makes Make:Crompton / Bajaj / Synergy Solutions / Fortune Art / Billion Light	1	No	5,500.00
649	ELEC-3.3.42	Supply of 120W ballasts for Induction Lamp of Makes Make:Crompton / Bajaj / Synergy Solutions / Fortune Art / Billion Light	1	No	6,500.00
650	ELEC-3.3.43	Supply of 150W ballasts for Induction Lamp of Makes Make:Crompton / Bajaj / Synergy Solutions / Fortune Art / Billion Light	1	No	7,250.00
651	ELEC-3.3.44	Supply of 200W ballasts for Induction Lamp of Makes Make:Crompton / Bajaj / Synergy Solutions / Fortune Art / Billion Light	1	No	8,000.00
652	ELEC-3.3.45	Supply of 400W ballasts for Induction Lamp of Makes Make:Crompton / Bajaj / Synergy Solutions / Fortune Art / Billion Light	1	No	16,000.00
		ENERGY SAVING ELECTRONIC BALLAST FOR STREET LIGHT			
653	ELEC-3.3.36	Supply of 70W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% of makes Trinic / Fortune Art or its equivalent.	1	No	2,200.00
654	ELEC-3.3.37	Supply of 150W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% of makes Trinic / Fortune Art or its equivalent.	1	No	3,000.00
655	ELEC-3.3.38	Supply of 250W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% of makes Trinic / Fortune Art or its equivalent.	1	No	3,775.00
656	ELEC-3.3.39	Supply of 400W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% of makes Trinic / Fortune Art or its equivalent.	1	No	4,850.00
	3.4	LAMPS			
657	ELEC-3.4.1	Supply of 500W Hallozen Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	108.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
658	ELEC-3.4.2	Supply of 500W Hallozen Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	80.00
659	ELEC-3.4.3	Supply of 500W Hallozen Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	60.00
660	ELEC-3.4.4	Supply of 1000W Hallozen Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	130.00
661	ELEC-3.4.5	Supply of 1000W Hallozen Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	100.00
662	ELEC-3.4.6	Supply of 1000W Hallozen Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	80.00
663	ELEC-3.4.7	Supply of 70W SV Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	495.00
664	ELEC-3.4.8	Supply of 70W SV Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells / Venture.	1	No	450.00
665	ELEC-3.4.9	Supply of 70W SV Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	400.00
666	ELEC-3.4.10	Supply of 150W SV Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	710.00
667	ELEC-3.4.11	Supply of 150W SV Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells / Venture.	1	No	650.00
668	ELEC-3.4.12	Supply of 150W SV Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	600.00
669	ELEC-3.4.13	Supply of 250W SV Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	770.00
670	ELEC-3.4.14	Supply of 250W SV Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells / Venture.	1	No	720.00
671	ELEC-3.4.15	Supply of 250W SV Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	680.00
672	ELEC-3.4.16	Supply of 400W SV Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	840.00
673	ELEC-3.4.17	Supply of 400W SV Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells / Venture.	1	No	800.00
674	ELEC-3.4.18	Supply of 400W SV Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	780.00
675	ELEC-3.4.19	Supply of 70W double end MH Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	605.00
676	ELEC-3.4.20	Supply of 70W double end MH Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	580.00
677	ELEC-3.4.21	Supply of 70W double end MH Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	530.00
678	ELEC-3.4.22	Supply of 150W double end MH Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	900.00
679	ELEC-3.4.23	Supply of 150W double end MH Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	850.00
680	ELEC-3.4.24	Supply of 150W double end MH Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	800.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
681	ELEC-3.4.25	Deleted SOR 10-11 ELEC-3.4.25			
682	ELEC-3.4.26	Supply of 70W MH Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	890.00
683	ELEC-3.4.27	Supply of 70W MH Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	850.00
684	ELEC-3.4.28	Supply of 150W MH Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	990.00
685	ELEC-3.4.29	Supply of 150W MH Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	950.00
686	ELEC-3.4.30	Supply of 150W MH Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	900.00
687	ELEC-3.4.31	Supply of 250W MH Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	1,350.00
688	ELEC-3.4.32	Supply of 250W MH Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1,200.00
689	ELEC-3.4.33	Supply of 250W MH Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	1,100.00
690	ELEC-3.4.34	Supply of 400W MH Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	1,540.00
691	ELEC-3.4.35	Supply of 400W MH Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1,450.00
692	ELEC-3.4.36	Supply of 400W MH Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	1,400.00
693	ELEC-3.4.37	Supply of 80W MV Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	180.00
694	ELEC-3.4.38	Supply of 80W MV Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	160.00
695	ELEC-3.4.39	Supply of 80W MV Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	140.00
696	ELEC-3.4.40	Supply of 125W MV Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	190.00
697	ELEC-3.4.41	Supply of 125W MV Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	170.00
698	ELEC-3.4.42	Supply of 125W MV Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	150.00
699	ELEC-3.4.43	Supply of 250W MV Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	450.00
700	ELEC-3.4.44	Supply of 250W MV Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	420.00
701	ELEC-3.4.45	Supply of 250W MV Lamp with ISI mark of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	400.00
702	ELEC-3.4.46	Supply of 400W MV Lamp with ISI mark of makes Wipro / G.E. / Phillips / Osram.	1	No	640.00
703	ELEC-3.4.47	Supply of 400W MV Lamp with ISI mark of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	620.00
704	ELEC-3.4.48	Supply of 400W MV Lamp with ISI mark of makes Elton /	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Style Lamp / Mahita Electro / Capart			600.00
705	ELEC-3.4.49	Deleted SOR 11-12 ELEC-3.4.49			
706	ELEC-3.4.50	Deleted SOR 11-12 ELEC-3.4.50			
707	ELEC-3.4.51	Deleted SOR 11-12 ELEC-3.4.51			
	3.5	NATURE SWITCHES			
708	ELEC-3.5.1	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 3 KW of single phase load.	1	No	11,088.00
709	ELEC-3.5.2	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 5 KW of single phase load.	1	No	11,634.00
710	ELEC-3.5.3	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 8 KW of single phase load.	1	No	13,272.00
711	ELEC-3.5.4	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 5 KW of Three phase load.	1	No	13,272.00
712	ELEC-3.5.5	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 8 KW of Three phase load.	1	No	14,364.00
713	ELEC-3.5.6	Supply of Swadep Nature Switch or its equivalent with suitable SMC enclosure, MCBs contactor suitable to control the load of 12 KW of Three phase load.	1	No	19,278.00
	3.6	INTERNAL LUMINAIRES			
714	ELEC-3.6.1	Supply of 1 x 11W Mirror light with all standard accessories diffuser of makes G.E. / Phillips / Crompton / Bajaj.	1	No	677.30
715	ELEC-3.6.2	Supply of 1 x 11W Mirror light with all standard accessories diffuser of makes Surya / Havells / HPL / Fortune Art	1	No	577.50
716	ELEC-3.6.3	Supply of 1 x 11W Mirror light with all standard accessories diffuser of makes Elton / RK / Akhil.	1	No	525.00
717	ELEC-3.6.4	Deleted SOR 10-11 ELEC-3.6.4			
718	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 / HPL / Fortune Art	1	No	598.50
719	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 / Style Lamp / Mahita Electro / Capart / Akhil / Million / Gold Medal.	1	No	546.00
720	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 / Crompton / Bajaj .	1	No	903.00
721	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 Surya /	1	No	850.50

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Havells / HPL / Fortune Art			
722	ELEC-3.6.9	Supply of 1 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Mahita Electro / Capart / Akhil / Million.	1	No	735.00
723	ELEC-3.6.10	Deleted SOR 10-11 ELEC-3.6.10			
724	ELEC-3.6.11	Deleted SOR 11-12 ELEC-3.6.11			
725	ELEC-3.6.12	Deleted SOR 11-12 ELEC-3.6.12			
726	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 / Crompton / Bajaj.	1	No	1,286.30
727	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 Surya / Havells / HPL / Fortune Art	1	No	1,233.80
728	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 / Style Lamp / Mahita Electro / Capart / Akhil.	1	No	1,029.00
729	ELEC-3.6.16	Deleted SOR 10-11 ELEC-3.6.16			
730	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 / HPL / Fortune Art	1	No	273.00
731	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 / Million / Gold Medal / Vimal / Akhil.	1	No	231.00
732	ELEC-3.6.19	Deleted SOR 10-11 ELEC-3.6.19			
733	ELEC-3.6.20	Deleted SOR 11-12 ELEC-3.6.20			
734	ELEC-3.6.21	Deleted SOR 11-12 ELEC-3.6.21			
735	ELEC-3.6.22	Deleted SOR 10-11 ELEC-3.6.22			
736	ELEC-3.6.23	Deleted SOR 11-12 ELEC-3.6.23			
737	ELEC-3.6.24	Deleted SOR 11-12 ELEC-3.6.24			
738	ELEC-3.6.25	Deleted SOR 10-11 ELEC-3.6.25			
739	ELEC-3.6.26	Deleted SOR 11-12 ELEC-3.6.26			
740	ELEC-3.6.27	Deleted SOR 11-12 ELEC-3.6.27			
741	ELEC-3.6.28	Supply of 2 x 36/40W Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with aluminium mirror reflector and decorative end plates with Electronic Ballast of makes Wipro / G.E. / Phillips / Thorn / Crompton.	1	No	2,730.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
742	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 Bajaj / Surya / HPL / Havells.	1	No	2,493.80
743	ELEC-3.6.30	Deleted SOR 11-12 ELEC-3.6.30			
744	ELEC-3.6.31	Deleted SOR 10-11 ELEC-3.6.31			
745	ELEC-3.6.32	Deleted SOR 11-12 ELEC-3.6.32			
746	ELEC-3.6.33	Deleted SOR 11-12 ELEC-3.6.33			
747	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 / Crompton / Bajaj.	1	No	1,680.00
748	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 Surya / Havells / HPL / Fortune Art	1	No	1,512.00
749	ELEC-3.6.36	Deleted SOR 11-12 ELEC-3.6.36			
750	ELEC-3.6.37	Deleted SOR 10-11 ELEC-3.6.37			
751	ELEC-3.6.38	Deleted SOR 11-12 ELEC-3.6.38			
752	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 / Crompton / Bajaj.	1	No	4,961.30
753	ELEC-3.6.40	Supply of 2 x 36W CFL Paralite louvre (P5) Surface / Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst of makes Surya / Havells.	1	No	3,937.50
754	ELEC-3.6.41	Deleted SOR 10-11 ELEC-3.6.41			
755	ELEC-3.6.42	Deleted SOR 11-12 ELEC-3.6.42			
756	ELEC-3.6.43	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst of makes Wipro / G.E. / Phillips / Thorn / Crompton / Bajaj.	1	No	4,410.00
757	ELEC-3.6.44	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst of makes Surya / Havells / Trinic / HPL / Fortune Art	1	No	3,412.50
758	ELEC-3.6.45	Supply of 1 x 28W surface pendent mounting T5 Luminaire plastic housing with integrated reflector extruded alluminium luminaire with Electronic Ballast and all standard accessories.of makes Crompton / Bajaj / Surya / Havells / HPL / Fortune Art	1	No	760.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
759	ELEC-3.6.46	Supply of 1 x 28W surface pendent mounting T5 Luminaire plastic housing with integrated reflector extruded alluminium luminaire with Electronic Ballast and all standard accessories.of makes Elliot / Million / Akhil / Gold Medal / Vimal.	1	No	650.00
760	ELEC-3.6.47	Supply of 1 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	945.00
761	ELEC-3.6.48	Supply of 1 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast of makes Surya / Havells / HPL / Fortune Art	1	No	797.00
762	ELEC-3.6.49	Supply of 2 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	1,122.50
763	ELEC-3.6.50	Supply of 2 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast of makes Surya / Havells / HPL / Fortune Art	1	No	1,063.70
764	ELEC-3.6.51	Supply of 1 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	1,207.50
765	ELEC-3.6.52	Supply of 1 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast of makes Surya / Havells / HPL / Fortune Art	1	No	1,086.80
766	ELEC-3.6.53	Supply of 2 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	1,548.80
767	ELEC-3.6.54	Supply of 2 x 13/18W Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast of makes Surya / Havells / HPL / Fortune Art	1	No	1,417.50
768	ELEC-3.6.55	Supply of 70W metal hallid down light Recessed mounting with control gear of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	2,625.00
769	ELEC-3.6.56	Supply of 70W metal hallid down light Recessed mounting with control gear of makes Surya / Havells / HPL / Fortune Art	1	No	2,310.00
770	ELEC-3.6.57	Supply of Recessed mounting 12V 50W adjustable Halozen down light with white colour gold shade including transformer Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	779.10
771	ELEC-3.6.58	Supply of Recessed mounting 12V 50W adjustable Halozen	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		down light with white colour gold shade including transformer of make Surya / Havells / HPL / Fortune Art			701.40
772	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 / Crompton / Bajaj.	1	No	1,029.00
773	ELEC-3.6.60	Supply of Recessed mounting 12V 50W zoom type Halozen down light with white colour gold shade including transformer of makes Surya / Havells.	1	No	924.00
774	ELEC-3.6.61	Supply of 9/13W VPIT Ballast for CFL with ISI mark of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	147.00
775	ELEC-3.6.62	Supply of 9/13W VPIT Ballast for CFL with ISI mark of makes Surya / Havells / HPL / Fortune Art	1	No	132.30
776	ELEC-3.6.63	Supply of 9/13W VPIT Ballast for CFL with ISI mark of makes Elton / RK / Style Lamp / Mahita Electro / Capart	1	No	115.50
777	ELEC-3.6.64	Supply of 18W VPIT Ballast for CFL with ISI mark of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	147.00
778	ELEC-3.6.65	Supply of 18W VPIT Ballast for CFL with ISI mark of makes Surya / Havells / HPL / Fortune Art	1	No	126.00
779	ELEC-3.6.66	Supply of 18W VPIT Ballast for CFL with ISI mark of makes Elton / RK / Style Lamp / Mahita Electro / Capart	1	No	115.50
780	ELEC-3.6.67	Supply of 20W Copper Wound Ballast of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	189.00
781	ELEC-3.6.68	Supply of 20W Copper Wound Ballast of makes Surya / Havells / HPL / Fortune Art	1	No	168.00
782	ELEC-3.6.69	Supply of 20W Copper Wound Ballast of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Akhil / Capart / Million / Gold Medal / Vimal.	1	No	153.30
783	ELEC-3.6.70	Supply of 40W Copper Wound Ballast of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	189.00
784	ELEC-3.6.71	Supply of 40W Copper Wound Ballast of makes Surya / Havells / HPL / Fortune Art	1	No	168.00
785	ELEC-3.6.72	Supply of 40W Copper Wound Ballast of makes Elton / RK / Ballast Makers / Krishilite / Style Lamp / Akhil / Capart / Million / Gold Medal / Vimal.	1	No	152.30
786	ELEC-3.6.73	Supply of 18/20W VPIT Ballast Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	189.00
787	ELEC-3.6.74	Supply of 18/20W VPIT Ballast Surya / Havells / HPL / Fortune Art	1	No	168.00
788	ELEC-3.6.75	Supply of 18/20W VPIT Ballast Elton / RK / Style Lamp / Mahita Electro / Capart	1	No	152.30
789	ELEC-3.6.76	Supply of 36/40W VPIT Ballast Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	220.50
790	ELEC-3.6.77	Supply of 36/40W VPIT Ballast Surya / Havells / HPL / Fortune Art	1	No	189.00
791	ELEC-3.6.78	Supply of 36/40W VPIT Ballast Elton / RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	1	No	178.50

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
792	ELEC-3.6.79	Supply of 40W Starter of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	10.50
793	ELEC-3.6.80	Supply of 40W Starter of makes Surya / Havells / HPL / Fortune Art	1	No	8.40
794	ELEC-3.6.81	Supply of 40W Starter of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	1	No	7.40
795	ELEC-3.6.82	Supply of Rotor holder(FTL) of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	21.00
796	ELEC-3.6.83	Supply of Rotor holder(FTL) of makes Surya / Havells / HPL / Fortune Art	1	No	18.90
797	ELEC-3.6.84	Supply of Rotor holder(FTL) of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	1	No	16.80
798	ELEC-3.6.85	Supply of HID Lamp holder of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	52.50
799	ELEC-3.6.86	Supply of HID Lamp holder of makes Surya / Havells / HPL / Fortune Art	1	No	47.30
800	ELEC-3.6.87	Supply of HID Lamp holder of makes Elton / RK / Style Lamp / Mahita Electro / Capart	1	No	42.00
801	ELEC-3.6.88	Supply of CFL holder of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	31.50
802	ELEC-3.6.89	Supply of CFL holder of makes Surya / Havells / HPL / Fortune Art	1	No	26.30
803	ELEC-3.6.90	Supply of CFL holder of makes Elton / RK / Style Lamp / Mahita Electro / Capart	1	No	24.20
804	ELEC-3.6.91	Supply of FTL Starter holder of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	14.70
805	ELEC-3.6.92	Supply of FTL Starter holder of makes Surya / Havells.	1	No	12.60
806	ELEC-3.6.93	Supply of FTL Starter holder of makes Elton / RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	1	No	11.60
807	ELEC-3.6.94	Supply of 36W Electronic Ballast with total harmonic distortion is less than 10% for FTL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	693.00
808	ELEC-3.6.95	Supply of 36W Electronic Ballast with total harmonic distortion is less than 10% for FTL of makes Surya / HPL / Havells.	1	No	614.00
809	ELEC-3.6.96	Deleted SOR 11-12 ELEC-3.6.96			
810	ELEC-3.6.97	Supply of 36W Electronic ballast with power factor greater than 0.9 to 0.95 suitable for FTL. Make : Crompton Model No.EBN 136D / Bajaj Model No.BJHF 136 / Havells LHBFB 27904025 or its equivalent.	1	No	275.00
811	ELEC-3.6.98	Supply of 2 x 36/40W Industrial Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic ballast and all standard accessories of makes Crompton / Bajaj / Surya / HPL / Havells.	1	No	1,615.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
812	ELEC-3.6.99	Supply of 4 x 14W TL 5 high efficiency recessed luminaire, epoxy powder coated CRCA sheet steel housing, low glare with electronic ballast including cost of lamps etc., complete. Makes: Phillips Model No.sereno-TBS 869 / Bajaj Model No.BTMRA 414 CAT II / Crompton Model No.CRTL414EB/S.			5,900.00
	3.7	FLOURSCENT / CFL LAMPS			
813	ELEC-3.7.1	Supply of 40W-60W Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	12.00
814	ELEC-3.7.2	Supply of 40W-60W Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	11.00
815	ELEC-3.7.3	Supply of 40W-60W Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	10.00
816	ELEC-3.7.4	Supply of 100W Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	13.00
817	ELEC-3.7.5	Supply of 100W Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	12.00
818	ELEC-3.7.6	Supply of 100W Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	11.00
819	ELEC-3.7.7	Supply of 40W - 60W Milky Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	14.00
820	ELEC-3.7.8	Supply of 40W - 60W Milky Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	13.00
821	ELEC-3.7.9	Supply of 40W - 60W Milky Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	12.00
822	ELEC-3.7.10	Supply of Night Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	11.00
823	ELEC-3.7.11	Supply of Night Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	10.00
824	ELEC-3.7.12	Supply of Night Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	9.00
825	ELEC-3.7.13	Supply of 18/20W fluorescent Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	41.00
826	ELEC-3.7.14	Supply of 18/20W fluorescent Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	39.00
827	ELEC-3.7.15	Supply of 18/20W fluorescent Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	38.00
828	ELEC-3.7.16	Supply of 36/40W fluorescent Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	45.00
829	ELEC-3.7.17	Supply of 36/40W fluorescent Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	40.00
830	ELEC-3.7.18	Supply of 36/40W fluorescent Lamp of makes Elton / Style Lamp / Mahita Electro / Capart	1	No	38.00
831	ELEC-3.7.19	Supply of 28W T5 Lamp of makes Crompton / Bajaj / Phillips / Surya / Havells.	1	No	120.00
832	ELEC-3.7.20	Supply of 9W Pin type CFL Lamp of makes Wipro / G.E. /	1	No	75.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Phillips / Crompton / Bajaj.			
833	ELEC-3.7.21	Supply of 9W Pin type CFL Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	70.00
834	ELEC-3.7.22	Supply of 11W Pin type CFL Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	80.00
835	ELEC-3.7.23	Supply of 11W Pin type CFL Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	75.00
836	ELEC-3.7.24	Supply of 13W Pin type CFL Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	105.00
837	ELEC-3.7.25	Supply of 13W Pin type CFL Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	100.00
838	ELEC-3.7.26	Supply of 18W Pin type CFL Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	115.00
839	ELEC-3.7.27	Supply of 18W Pin type CFL Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	110.00
840	ELEC-3.7.28	Supply of 26W Pin type CFL Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	160.00
841	ELEC-3.7.29	Supply of 26W Pin type CFL Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	150.00
842	ELEC-3.7.30	Supply of 36W Pin type CFL Lamp of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	135.00
843	ELEC-3.7.31	Supply of 36W Pin type CFL Lamp of makes Surya / Havells / HPL / Fortune Art	1	No	130.00
844	ELEC-3.7.32	Supply of up to 5W Retrofit tiny CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	115.00
845	ELEC-3.7.33	Supply of up to 5W Retrofit tiny CFL of makes Surya / Havells / HPL / Fortune Art	1	No	110.00
846	ELEC-3.7.34	Supply of up to 8W Retrofit tiny CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	125.00
847	ELEC-3.7.35	Supply of up to 8W Retrofit tiny CFL of makes Surya / Havells / HPL / Fortune Art	1	No	120.00
848	ELEC-3.7.36	Supply of up to 10/11W Retrofit tiny CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	135.00
849	ELEC-3.7.37	Supply of up to 10/11W Retrofit tiny CFL of makes Surya / Havells / HPL / Fortune Art	1	No	130.00
850	ELEC-3.7.38	Supply of up to 13/14W Retrofit tiny CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	110.00
851	ELEC-3.7.39	Supply of up to 13/14W Retrofit tiny CFL of makes Surya / Havells / HPL / Fortune Art	1	No	100.00
852	ELEC-3.7.40	Supply of 15W Retrofit tiny CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	180.00
853	ELEC-3.7.41	Supply of 15W Retrofit tiny CFL of makes Surya / Havells / HPL / Fortune Art	1	No	150.00
854	ELEC-3.7.42	Supply of up to 18/20W Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	170.00
855	ELEC-3.7.43	Supply of up to 18/20W Retrofit CFL of makes Surya /	1	No	150.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Havells / HPL / Fortune Art			
856	ELEC-3.7.44	Supply of 23W Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	200.00
857	ELEC-3.7.45	Supply of 23/25W Retrofit CFL of makes Surya / Havells / HPL / Fortune Art	1	No	180.00
858	ELEC-3.7.46	Supply of up to 25/26W Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	200.00
859	ELEC-3.7.47	Supply of up to 25/26W Retrofit CFL of makes Surya / Havells / HPL / Fortune Art	1	No	180.00
860	ELEC-3.7.48	Supply of up to 5W Non - Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	70.00
861	ELEC-3.7.49	Supply of up to 5W Non - Retrofit CFL of makes Surya / Havells / HPL / Fortune Art	1	No	65.00
862	ELEC-3.7.50	Supply of up to 7 W Non - Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	100.00
863	ELEC-3.7.51	Supply of up to 7 W Non - Retrofit CFL of makes Surya / Havells / HPL / Fortune Art	1	No	70.00
864	ELEC-3.7.52	Supply of up to 9 W Non - Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	100.00
865	ELEC-3.7.53	Supply of up to 9 W Non - Retrofit CFL of makes Surya / Havells / HPL / Fortune Art	1	No	80.00
866	ELEC-3.7.54	Supply of up to 11W Non - Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	110.00
867	ELEC-3.7.55	Supply of up to 11W Non - Retrofit CFL of makes Surya / Havells / HPL / Fortune Art	1	No	80.00
868	ELEC-3.7.56	Supply of up to 13W Non - Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	130.00
869	ELEC-3.7.57	Supply of up to 13W Non - Retrofit CFL of makes Surya / Havells / HPL / Fortune Art	1	No	115.00
870	ELEC-3.7.58	Supply of up to 18W Non - Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	125.00
871	ELEC-3.7.59	Supply of up to 18W Non - Retrofit CFL of makes Surya / Havells / HPL / Fortune Art	1	No	110.00
872	ELEC-3.7.60	Supply of up to 20W Non - Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	200.00
873	ELEC-3.7.61	Supply of up to 20W Non - Retrofit CFL of makes Surya / Havells / HPL / Fortune Art	1	No	180.00
874	ELEC-3.7.62	Supply of up to 27W Non - Retrofit CFL of makes Wipro / G.E. / Phillips / Crompton / Bajaj.	1	No	230.00
875	ELEC-3.7.63	Supply of up to 27W Non - Retrofit CFL of makes Surya / Havells / HPL / Fortune Art	1	No	210.00
	3.8	ENERGY CONSERVING FIXTURES			
876	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	1	No	925.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		factor and total harmonic distortion shall be as per IS Specification with auto cut off at high voltage suitable for 36/40W tube.			
877	ELEC-3.8.2	Deleted SOR 11-12 ELEC-3.8.2			
878	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	990.00
879	ELEC-3.8.4	Deleted SOR 11-12 ELEC-3.8.4			
880	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	3,800.00
881	ELEC-3.8.6	Deleted SOR 11-12 ELEC-3.8.6			
882	ELEC-3.8.7	Supply of 28 W Electronic Ballast with less than 10% total harmonic distortion and auto cut off at High Voltage suitable for FTL Makes: TRINIC / ELLIOT or its equivalent make	1	No	742.00
883	ELEC-3.8.8	Deleted SOR 11-12 ELEC-3.8.8			
	3.9	LED LUMINAIRES INDOOR			
884	ELEC-3.9.1	Deleted SOR 11-12 ELEC-3.9.1			
885	ELEC-3.9.2	Deleted SOR 11-12 ELEC-3.9.2			
886	ELEC-3.9.3	Supply and Transportation of 45W Recessed / Surface mounting 2' x 2' LED luminaire made of extruded aluminium body with acrylic diffuser, Constant current output of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LED 1 watt having efficacy of > 90 lumens/watt, junction temperature less than 85 degrees centigrade etc complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	18,700.00
887	ELEC-3.9.4	Supply and Transportation of 45W Recessed / Surface mounting 2' x 2' LED luminaire made of extruded aluminium body with acrylic diffuser, Constant current output of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LED 1 watt having efficacy of > 90 lumens/watt, junction temperature less than 85 degrees centigrade etc complete. a) LUMINAIRE MAKE : MIC / BLU / BAJAJ / CROMPTON GREAVES / SURYA / ONIDA / FORTUNE ART / AVNI / SEMTRONICS / VIN LED.	1	No	14,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.			
888	ELEC-3.9.5	Supply and Transportation of 9W Down lighter Recessed / Surface mounting made of diecast aluminium body with powder coating acrylic diffuser Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 9 Nos of 1W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	4,000.00
889	ELEC-3.9.6	Supply and Transportation of 9W Down lighter Recessed / Surface mounting made of diecast aluminium body with powder coating acrylic diffuser Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 9 Nos of 1W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : MIC / BLU / BAJAJ / CROMPTON GREAVES / SURYA / ONIDA / FORTUNE ART / AVNI / SEMTRONICS / VIN LED. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	3,000.00
890	ELEC-3.9.7	Supply and Transportation of 18W Down lighter Recessed / Surface mounting made of diecast aluminium body with powder coating acrylic diffuser Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 9 Nos of 2W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	7,150.00
891	ELEC-3.9.8	Supply and Transportation of 18W Down lighter Recessed / Surface mounting made of diecast aluminium body with powder coating acrylic diffuser Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 9 Nos of 2W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : MIC / BLU / BAJAJ / CROMPTON GREAVES / SURYA / ONIDA / FORTUNE ART / AVNI / SEMTRONICS / VIN LED. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	5,000.00
892	ELEC-3.9.9	Supply and Transportation of 6W Down lighter Recessed / Surface mounting made of diecast aluminium body with powder coating acrylic diffuser Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 6 Nos of 1 W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	2,200.00
893	ELEC-3.9.10	Supply and Transportation of 6W Down lighter Recessed / Surface mounting made of diecast aluminium body with	1	No	1,800.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		powder coating acrylic diffuser in put voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 6 Nos of 1 W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : MIC / BLU / BAJAJ / CROMPTON GREAVES / SURYA / ONIDA / FORTUNE ART / AVNI / SEMTRONICS / VIN LED. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.			
894	ELEC-3.9.11	Supply and Transportation of 3W Down lighter Recessed / Surface mounting made of diecast aluminium body with powder coating acrylic diffuser in put voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 3 Nos of 1W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	1,200.00
895	ELEC-3.9.12	Supply and Transportation of 3W Down lighter Recessed / Surface mounting made of diecast aluminium body with powder coating acrylic diffuser in put voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power 3 Nos of 1W LED 1 watt having efficacy of > 90 lumens/watt etc., complete. a) LUMINAIRE MAKE : MIC / BLU / BAJAJ / CROMPTON GREAVES / SURYA / ONIDA / FORTUNE ART / AVNI / SEMTRONICS. / VIN LED. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	950.00
896	ELEC-3.9.13	Supply and transportation of 4 w LED Drivers	1	No	1,390.00
897	ELEC-3.9.14	Supply and transportation of 8 w LED Drivers	1	No	1,400.00
898	ELEC-3.9.15	Supply and transportation of indoor cove light LED Drivers of 4 TO 8 mtr rope	1	No	2,660.00
		LED TYPE STREET LIGHTS			
899	ELEC-3.9.16	Supply and transportation of 18W to 20W street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 90 lumens/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	14,850.00
900	ELEC-3.9.17	Supply and transportation of 18W to 20W street light luminaire made of pressure diecast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 90 lumens/watt and junction	1	No	12,100.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		temprature < 85 degree centegrade of IP 65 with optics, total harmonic destortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : MIC / BLU / BAJAJ / CROMPTON GREAVES / SURYA / ONIDA / FORTUNE ART / AVNI / SEMTRONICS. / VIN LED. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.			
901	ELEC-3.9.18	Supply and transportation of 36W to 40W street light luminaire made of pressure diecast alluminium body with powder coated, having toughned glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 90 lumines/watt and junction temprature < 85 degree centegrade of IP 65 with optics, total harmonic destortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	24,200.00
902	ELEC-3.9.19	Supply and transportation of 36W to 40W street light luminaire made of pressure diecast alluminium body with powder coated, having toughned glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 90 lumines/watt and junction temprature < 85 degree centegrade of IP 65 with optics, total harmonic destortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : MIC / BLU / BAJAJ / CROMPTON GREAVES / SURYA / ONIDA / FORTUNE ART / AVNI / SEMTRONICS. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	20,900.00
903	ELEC-3.9.20	Supply and transportation of 60W to 65W street light luminaire made of pressure diecast alluminium body with powder coated, having toughned glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 90 lumines/watt and junction temprature < 85 degree centegrade of IP 65 with optics, total harmonic destortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. / MOSERBAER b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	38,500.00
904	ELEC-3.9.21	Supply and transportation of 60W to 65W street light luminaire made of pressure diecast alluminium body with powder coated, having toughned glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 90 lumines/watt and junction temprature < 85 degree centegrade of IP 65 with optics, total harmonic destortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : MIC / BLU / BAJAJ / CROMPTON GREAVES / SURYA /	1	No	33,550.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		ONIDA / FORTUNE ART / AVNI / SEMTRONICS. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.			
905	ELEC-3.9.22	Supply and transportation of 90W to 96W street light luminaire made of pressure diecast alluminium body with powder coated, having toughned glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 90 lumines/watt and junction temprature < 85 degree centegrade of IP 65 with optics, total harmonic destortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	55,000.00
906	ELEC-3.9.23	Supply and transportation of 90W to 96W street light luminaire made of pressure diecast alluminium body with powder coated, having toughned glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 90 lumines/watt and junction temprature < 85 degree centegrade of IP 65 with optics, total harmonic destortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : MIC / BLU / BAJAJ / CROMPTON GREAVES / SURYA / ONIDA / FORTUNE ART / AVNI / SEMTRONICS / VIN LED. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	49,500.00
907	ELEC-3.9.24	Supply and transportation of 120W to 125W street light luminaire made of pressure diecast alluminium body with powder coated, having toughned glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 90 lumines/watt and junction temprature < 85 degree centegrade of IP 65 with optics, total harmonic destortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : PHILLIPS / WIPRO / G.E / BAJAJ RUUD. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	74,030.00
908	ELEC-3.9.25	Supply and transportation of 120W to 125W street light luminaire made of pressure diecast alluminium body with powder coated, having toughned glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 90 lumines/watt and junction temprature < 85 degree centegrade of IP 65 with optics, total harmonic destortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : MIC / BLU / BAJAJ / CROMPTON GREAVES / SURYA / ONIDA / FORTUNE ART / AVNI / SEMTRONICS / VIN LED. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SEOUL SEMI CONDUCTORS / SAMSUNG.	1	No	66,000.00
	3.1	INDUCTION LUMINARIES			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
909		Supply and Transportation of Induction Type street light luminaire of following capacities comprises of single piece die cast Aluminium body with pot optics and IP65 protection including Induction lamp and ballast etc., Complete. Make:Crompton / Bajaj / Fortune Art / Synergy Solutions / BillionLight			
	ELEC-3.10.1	40W	1	No	16,030.00
	ELEC-3.10.2	80W	1	No	17,175.00
	ELEC-3.10.3	120W	1	No	19,465.00
	ELEC-3.10.4	150W	1	No	21,185.00
	ELEC-3.10.5	200W	1	No	25,000.00
910		Supply and Transportation of Induction Type Flood light luminaire of following capacities comprises of single piece die cast Aluminium body with pot optics and IP65 protection of including Induction lamp and ballast etc., Complete. Make:Crompton / Bajaj / Fortune Art / Synergy Solutions / BillionLight			
	ELEC-3.10.6	40W	1	No	17,200.00
	ELEC-3.10.7	80W	1	No	18,300.00
	ELEC-3.10.8	120W	1	No	20,600.00
	ELEC-3.10.9	150W	1	No	22,300.00
	ELEC-3.10.10	200W	1	No	24,000.00
	ELEC-3.10.11	2 x 200W	1	No	45,800.00
911		Supply and Transportation of Induction Type suspended type decorative high bay luminaire with polycarbonate refractor, decorative integral die cast alluminium housing with heat shrinks including Induction lamp and ballast etc., Complete. Make:Crompton / Bajaj / Fortune Art / Synergy Solutions / BillionLight			
	ELEC-3.10.12	80W	1	No	15,500.00
	ELEC-3.10.13	120W	1	No	17,500.00
	ELEC-3.10.14	150W	1	No	19,500.00
		SECTION - 4			
	4.1	U.G. CABLES			
912	ELEC-4.1.1	Supply of 4 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	91.80
913	ELEC-4.1.2	Supply of 4 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab	1	Mtr	77.80
914	ELEC-4.1.3	Supply of 4 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	73.40
915	ELEC-4.1.4	Supply of 6 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming	1	Mtr	108.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.			
916	ELEC-4.1.5	Supply of 6 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	92.90
917	ELEC-4.1.6	Supply of 6 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	86.40
918	ELEC-4.1.7	Supply of 10 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	128.50
919	ELEC-4.1.8	Supply of 10 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	111.20
920	ELEC-4.1.9	Supply of 10 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	103.70
921	ELEC-4.1.10	Deleted SOR 10-11 ELEC-4.1.10			
922	ELEC-4.1.11	Deleted SOR 10-11 ELEC-4.1.11			
923	ELEC-4.1.12	Deleted SOR 10-11 ELEC-4.1.12			
924	ELEC-4.1.13	Supply of 6 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	129.60
925	ELEC-4.1.14	Supply of 6 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	111.20
926	ELEC-4.1.15	Supply of 6 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	103.70
927	ELEC-4.1.16	Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	146.90
928	ELEC-4.1.17	Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming	1	Mtr	127.40

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.			
929	ELEC-4.1.18	Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	117.70
930	ELEC-4.1.19	Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	162.00
931	ELEC-4.1.20	Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	139.30
932	ELEC-4.1.21	Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	130.70
933	ELEC-4.1.22	Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	206.30
934	ELEC-4.1.23	Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	179.30
935	ELEC-4.1.24	Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	165.20
936	ELEC-4.1.25	Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	246.20
937	ELEC-4.1.26	Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	211.70
938	ELEC-4.1.27	Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	196.60
939	ELEC-4.1.28	Supply of 50 Sqmm 3.5 Core XLPE insulated, 1100V grade	1	Mtr	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.			325.10
940	ELEC-4.1.29	Supply of 50 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	279.70
941	ELEC-4.1.30	Supply of 50 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	260.30
942	ELEC-4.1.31	Supply of 70 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	420.10
943	ELEC-4.1.32	Supply of 70 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	362.90
944	ELEC-4.1.33	Supply of 70 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	337.00
945	ELEC-4.1.34	Supply of 95 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	546.50
946	ELEC-4.1.35	Supply of 95 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	472.00
947	ELEC-4.1.36	Supply of 95 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	438.50
948	ELEC-4.1.37	Supply of 120 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	668.50
949	ELEC-4.1.38	Supply of 120 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	578.90

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
950	ELEC-4.1.39	Supply of 120 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal / Gemscab / SPM.	1	Mtr	536.80
951	ELEC-4.1.40	Supply of 150 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	761.40
952	ELEC-4.1.41	Supply of 150 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab.	1	Mtr	657.70
953	ELEC-4.1.42	Supply of 150 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Finecab / Delton / Payal.	1	Mtr	612.40
954	ELEC-4.1.43	Supply of 185 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	933.10
955	ELEC-4.1.44	Supply of 185 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster.	1	Mtr	805.70
956	ELEC-4.1.45	Deleted SOR 11-12 ELEC-4.1.45			
957	ELEC-4.1.46	Supply of 240 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	1,184.80
958	ELEC-4.1.47	Supply of 240 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster.	1	Mtr	1,022.80
959	ELEC-4.1.48	Deleted SOR 11-12 ELEC-4.1.48			
960	ELEC-4.1.49	Supply of 300 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI / Unicab.	1	Mtr	1,448.30
961	ELEC-4.1.50	Supply of 300 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster.	1	Mtr	1,250.60
962	ELEC-4.1.51	Deleted SOR 11-12 ELEC-4.1.51			
963	ELEC-4.1.52	Supply of 400 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Torrent / Universal / CCI / KEI /	1	Mtr	1,814.40

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Unicab.			
964	ELEC-4.1.53	Supply of 400 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) of makes Polycab / RPG / Finolex / Havells / Paragon / V-Guard / Fortune Art / Gloster.	1	Mtr	1,567.10
965	ELEC-4.1.54	Deleted SOR 11-12 ELEC-4.1.54			
		11 KV H.T. XLPE CABLES			
966	ELEC-4.1.55	Supply of 3 Core 11 KV 35 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes Torrent / Universal / CCI / Polycab / KEI / Unicab.	1	No	602.60
967	ELEC-4.1.56	Supply of 3 Core 11 KV 50 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Universal / CCI / Polycab / KEI / Unicab.	1	No	682.60
968	ELEC-4.1.57	Supply of 3 Core 11 KV 70 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Universal / CCI / Polycab / KEI / Unicab.	1	No	815.40
969	ELEC-4.1.58	Supply of 3 Core 11 KV 95 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Universal / CCI / Polycab / KEI / Unicab.	1	No	972.00
970	ELEC-4.1.59	Supply of 3 Core 11 KV 120 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Universal / CCI / Polycab / KEI / Unicab.	1	No	1,103.80
971	ELEC-4.1.60	Supply of 3 Core 11 KV 150 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Universal / CCI / Polycab / KEI / Unicab.	1	No	1,247.40
972	ELEC-4.1.61	Supply of 3 Core 11 KV 185 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments.Makes Torrent / Universal / CCI / Polycab / KEI / Unicab.	1	No	1,474.20
	4.2	CABLE GLANDS			
973	ELEC-4.2.1	Deleted SOR 10-11 ELEC-4.2.1			
974	ELEC-4.2.2	Deleted SOR 10-11 ELEC-4.2.2			
975	ELEC-4.2.3	Deleted SOR 10-11 ELEC-4.2.3			
976	ELEC-4.2.4	Deleted SOR 10-11 ELEC-4.2.4			
977	ELEC-4.2.5	Deleted SOR 10-11 ELEC-4.2.5			
978	ELEC-4.2.6	Deleted SOR 10-11 ELEC-4.2.6			
979	ELEC-4.2.7	Deleted SOR 10-11 ELEC-4.2.7			
980	ELEC-4.2.8	Deleted SOR 10-11 ELEC-4.2.8			
981	ELEC-4.2.9	Deleted SOR 10-11 ELEC-4.2.9			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
982	ELEC-4.2.10	Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 185Sqmm with brass washers complete.	1	No	327.00
983	ELEC-4.2.11	Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 240Sqmm with brass washers complete.	1	No	490.50
984	ELEC-4.2.12	Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 300Sqmm with brass washers complete.	1	No	577.70
985	ELEC-4.2.13	Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 400Sqmm with brass washers complete.	1	No	654.00
986	ELEC-4.2.14	Supply and Fixing of single compression brass cable glands for 4 core XLPE armoured cable up to 16.0 Sq.mm with brass washers complete.	1	No	93.70
987	ELEC-4.2.15	Supply and Fixing of single compression brass cable glands for 3.5 core XLPE armoured cable from 25 Sqmm to 50.0 Sq.mm with brass washers complete.	1	No	137.30
988	ELEC-4.2.16	Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable from 70 Sqmm to 150.0 Sq.mm with brass washers complete.	1	No	263.80
	4.3	LUGS			
989	ELEC-4.3.1	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable upto 16 Sq.mm including nuts and bolts with connections.	1	No	22.00
990	ELEC-4.3.2	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 25 Sq.mm including nuts and bolts with connections.	1	No	29.70
991	ELEC-4.3.3	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 35 Sq.mm including nuts and bolts with connections.	1	No	33.00
992	ELEC-4.3.4	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 50 Sq.mm including nuts and bolts with connections.	1	No	39.60
993	ELEC-4.3.5	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 70 Sq.mm including nuts and bolts with connections.	1	No	55.00
994	ELEC-4.3.6	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 95 Sq.mm including nuts and bolts with connections.	1	No	64.90
995	ELEC-4.3.7	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 120 Sq.mm including nuts and bolts with connections.	1	No	88.00
996	ELEC-4.3.8	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 150 Sq.mm including nuts and bolts with connections.	1	No	103.40
997	ELEC-4.3.9	Supply and fixing of crimping type copper lugs confirming to	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		I.S specifications for cable of 185 Sq.mm including nuts and bolts with connections.			148.50
998	ELEC-4.3.10	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 240 Sq.mm including nuts and bolts with connections.	1	No	214.50
999	ELEC-4.3.11	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 300 Sq.mm including nuts and bolts with connections.	1	No	283.80
1000	ELEC-4.3.12	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 400 Sq.mm including nuts and bolts with connections.	1	No	418.00
1001	ELEC-4.3.13	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable upto 16 Sq.mm including nuts and bolts with connections.	1	No	11.90
1002	ELEC-4.3.14	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 25 Sq.mm including nuts and bolts with connections.	1	No	14.00
1003	ELEC-4.3.15	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 35 Sq.mm including nuts and bolts with connections.	1	No	16.20
1004	ELEC-4.3.16	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 50 Sq.mm including nuts and bolts with connections.	1	No	19.40
1005	ELEC-4.3.17	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 70 Sq.mm including nuts and bolts with connections.	1	No	24.80
1006	ELEC-4.3.18	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 95 Sq.mm including nuts and bolts with connections.	1	No	27.00
1007	ELEC-4.3.19	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 120 Sq.mm including nuts and bolts with connections.	1	No	34.60
1008	ELEC-4.3.20	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 150 Sq.mm including nuts and bolts with connections.	1	No	40.00
1009	ELEC-4.3.21	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 185 Sq.mm including nuts and bolts with connections.	1	No	45.40
1010	ELEC-4.3.22	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 240 Sq.mm including nuts and bolts with connections.	1	No	70.20
1011	ELEC-4.3.23	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 300 Sq.mm including nuts and bolts with connections.	1	No	91.80
1012	ELEC-4.3.24	Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 400 Sq.mm including nuts and bolts with connections.	1	No	118.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
	4.4	CABLE JOINTS			
1013	ELEC-4.4.1	Deleted SOR 10-11 ELEC-4.4.1			
1014	ELEC-4.4.2	Deleted SOR 10-11 ELEC-4.4.2			
1015	ELEC-4.4.3	Deleted SOR 10-11 ELEC-4.4.3			
1016	ELEC-4.4.4	Deleted SOR 10-11 ELEC-4.4.4			
1017	ELEC-4.4.5	Deleted SOR 10-11 ELEC-4.4.5			
1018	ELEC-4.4.6	Deleted SOR 10-11 ELEC-4.4.6			
1019	ELEC-4.4.7	Deleted SOR 10-11 ELEC-4.4.7			
1020	ELEC-4.4.8	Deleted SOR 10-11 ELEC-4.4.8			
1021	ELEC-4.4.9	Deleted SOR 10-11 ELEC-4.4.9			
1022	ELEC-4.4.10	Deleted SOR 10-11 ELEC-4.4.10			
1023	ELEC-4.4.11	Deleted SOR 10-11 ELEC-4.4.11			
1024	ELEC-4.4.12	Deleted SOR 10-11 ELEC-4.4.12			
1025	ELEC-4.4.13	Deleted SOR 10-11 ELEC-4.4.13			
1026	ELEC-4.4.14	Deleted SOR 10-11 ELEC-4.4.14			
1027	ELEC-4.4.15	Deleted SOR 10-11 ELEC-4.4.15			
		HEAT SHRINKABLE LT CABLE JOINTS			
1028	ELEC-4.4.16	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials complete for 10 to 16 Sqmm. Makes Raychem / M Seal / Denson / Multy.	1	No	1,300.00
1029	ELEC-4.4.17	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials complete for 25 to 50 Sqmm. Makes Raychem / M Seal / Denson / Multy.	1	No	1,545.00
1030	ELEC-4.4.18	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials complete for 70 to 185 Sqmm. Makes Raychem / M Seal / Denson / Multy.	1	No	2,230.00
1031	ELEC-4.4.19	Supply and erecting heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials and all labour charges etc., complete for 240 to 300 Sqmm. Makes Raychem / M Seal / Denson / Multy.	1	No	4,000.00
1032	ELEC-4.4.20	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials complete for 400 Sqmm. Makes Raychem / M Seal / Denson / Multy.	1	No	5,425.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		3 CORE 11 KV HT CABLE STRAIGHT THROUGH JOINTS			
1033	ELEC-4.4.21	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade complete with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 16 to 35Sqmm.Makes Raychem / M Seal / Denson / Multy.	1	No	15,070.00
1034	ELEC-4.4.22	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade complete with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 50 to 95Sqmm.Makes Raychem / M Seal / Denson / Multy.	1	No	18,095.00
1035	ELEC-4.4.23	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade complete with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 120 to 185Sqmm.Makes Raychem / M Seal / Denson / Multy.	1	No	23,017.50
		HT END TERMINATION KITS			
1036	ELEC-4.4.24	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 70 Sqmm with necessary materials etc., complete.Makes Raychem / M Seal / Denson / Multy.	1	No	8,210.40
1037	ELEC-4.4.25	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 120 Sqmm with necessary materials etc., complete.Makes Raychem / M Seal / Denson / Multy.	1	No	8,320.40
1038	ELEC-4.4.26	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 150 Sqmm with necessary materials etc., complete.Makes Raychem / M Seal / Denson / Multy.	1	No	8,924.30
1039	ELEC-4.4.27	Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 70 Sqmm with necessary materials etc., complete.Makes Raychem / M Seal / Denson / Multy.	1	No	12,452.00
1040	ELEC-4.4.28	Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 120 Sqmm with necessary materials etc., complete.Makes Raychem / M Seal / Denson / Multy.	1	No	12,562.00
1041	ELEC-4.4.29	Providing and erecting heat shrinkable outdoor	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		termination kit for 11 KV XLPE HT cable 3 core 150 Sqmm with necessary materials etc., complete.Makes Raychem / M Seal / Denson / Multy.			13,750.00
	4.5	DOUBLE WALLED CORRUGATED HDPE PIPE			
1042	ELEC-4.5.1	Supply and Transportation of Outer dia 50mm and Inner dia 38mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make.	1	Mtr	96.60
1043	ELEC-4.5.2	Supply and Transportation of Outer dia 63mm and Inner dia 51mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make.	1	Mtr	123.90
1044	ELEC-4.5.3	Supply and Transportation of Outer dia 78mm and Inner dia 63mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make.	1	Mtr	151.20
1045	ELEC-4.5.4	Supply and Transportation of Outer dia 90mm and Inner dia 76mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make.	1	Mtr	162.80
1046	ELEC-4.5.5	Supply and Transportation of Outer dia 120mm and Inner dia 103.50mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make.	1	Mtr	253.10
1047	ELEC-4.5.6	Supply and Transportation of Outer dia 160mm and Inner dia 136mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make.	1	Mtr	375.90
1048	ELEC-4.5.7	Supply and Transportation of Outer dia 180mm and Inner dia 152mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make.	1	Mtr	493.50
1049	ELEC-4.5.8	Supply and Transportation of Outer dia 200mm and Inner dia 170mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make.	1	Mtr	575.40
	4.6	CABLE TRAYS			
1050	ELEC-4.6.1	Supply and Installation of 600mm x 75mm x 2mm thick hot dip GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	1,300.00
1051	ELEC-4.6.2	Supply and Installation of 600mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	960.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1052	ELEC-4.6.3	Supply and Installation of 450mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	845.00
1053	ELEC-4.6.4	Supply and Installation of 300mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	725.00
1054	ELEC-4.6.5	Supply and Installation of 600mm x 75mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	577.00
1055	ELEC-4.6.6	Supply and Installation of 750mm x 75mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	616.00
1056	ELEC-4.6.7	Supply and Installation of 600mm x 100mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	660.00
1057	ELEC-4.6.8	Supply and Installation of 750mm x 100mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1	Mtr	711.00
		Note: Perforated cable trays provided without cover 30% may be deducted from above rates.			
		SECTION - 5			
	5.1	FANS			
1058	ELEC-5.1.1	Supply of 48" (1200mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings but without Regulator of makes Crompton / Bajaj Kassels 50 / Usha atom	1	No	1,600.00
1059	ELEC-5.1.2	Supply of 48" (1200mm) Sweep as per IS 374 - 1979 and 5 Star rated Ceiling Fan, with double ball bearings but without Regulator of makes Crompton High Speed Plus / Bajaj Electra 50 / Orient Energy Star / Havells ES 50.	1	No	1,825.00
1060	ELEC-5.1.3	Supply of 48" (1200mm) Sweep 5 Star rated Ceiling Fan without Regulator of makes Crompton High Speed Decora / Bajaj Regal star / Havells Fusion 50 / Orient Summer Crown / Usha technix decorative	1	No	2,020.00
1061	ELEC-5.1.4	Supply of 56" (1400mm) Sweep ISI mark Ceiling Fan as per	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		IS 374 - 1979 and, with double ball bearings but without Regulator of makes Crompton / Bajaj Kassels 50 / Usha atom			1,675.00
1062	ELEC-5.1.5	Supply of 56" (1400mm) Sweep 4/5 Star rated Ceiling Fan without Regulator of makes Crompton / Bajaj Elegance Star / Usha / Havells.	1	No	2,160.00
1063	ELEC-5.1.6	Deleted SOR 11-12 ELEC-5.1.6			
1064	ELEC-5.1.7	Supply of 16" (400mm) Wall mounted Fan of makes Crompton SDX Gold / Bajaj Elite / Havells Swing Premia gold / Usha / Orient Wall 43.	1	No	2,351.80
1065	ELEC-5.1.8	Supply of 16" (400mm) Pedestal Fan of makes Crompton SDX Gold / Bajaj Spectrum / Havells Swing Remote / Usha / Orient.	1	No	2,714.00
1066	ELEC-5.1.9	Supply of 18" (450mm) Wall mounting / Pedestal Air Circulators of makes Crompton / Havells Turbo Force / Orient / Almounard.	1	No	6,000.00
1067	ELEC-5.1.10	Supply of 24" (600mm) Wall mounting / Pedestal Air Circulators of makes Crompton / Havells Turbo Force / Almounard.	1	No	6,600.00
1068	ELEC-5.1.11	Supply of 12" (300mm) Cabin fan of makes Crompton / Havells ciera / Orient AP12.	1	No	1,550.00
1069	ELEC-5.1.12	Supply of 12" (300mm) Light duty exhaust fan with wire guard etc complete of makes Crompton / Bajaj Bahar WG / Havells Ventil Air-DB / Orient hill air.	1	No	1,350.00
1070	ELEC-5.1.13	Supply of 9" (225mm), Light duty exhaust fan with double ball bearing and wire guard etc complete of makes Crompton / Bajaj Bahar WG / Havells Ventil Air-DS / Orient hill air.	1	No	1,265.00
1071	ELEC-5.1.14	Supply of 12" (300mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark of makes Crompton / Almounard / Havells Turbo Force.	1	No	2,645.00
1072	ELEC-5.1.15	Supply of 15" (375mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark of makes Crompton / Almounard / Havells Turbo Force	1	No	3,220.00
1073	ELEC-5.1.16	Supply of 18" (450mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark of makes Crompton / Almounard / Havells Turbo Force	1	No	4,100.00
	5.2	WATER HEATERS			
1074	ELEC-5.2.1	Supply, Transportation and fixing of storage / Pressure type Vertical / Horizontal 230/250V single phase 2000watts ISI mark 5 Star rated water heater with SS tank and ABS plastic body of 15 Ltrs capacity to withstand up to 6.5 bar of water pressure including all standard accessories and dead weight pressure reducing valve on out let side, including cost of 2 Nos nylon / PVC / Metallic hose pipe, testing and all labour charges etc., complete. Makes: makes Crompton model No. solarium plus SWH 725, Class 1 rated or its equivalent make	1	No	8,444.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		of Bajaj / Venus / Racold / Usha.			
1075	ELEC-5.2.2	Supply, Transportation and fixing of storage / Pressure type Vertical / Horizontal 230/250V single phase 2000watts ISI mark 5 Star rated water heater with SS tank and ABS plastic body of 25 Ltrs capacity to withstand up to 6.5 bar of water pressure including all standard accessories and dead weight pressure reducing valve on out let side, including cost of 2 Nos nylon / PVC / Metallic hose pipe, testing and all labour charges etc., complete. Makes: Crompton model No. solarium plus SWH 725, Class 1 rated or its equivalent make of Bajaj / Venus / Racold / Usha.	1	No	9,940.25
1076	ELEC-5.2.3	Deleted SOR 11-12 ELEC-5.2.3			
1077	ELEC-5.2.4	Deleted SOR 11-12 ELEC-5.2.4			
	5.3	ACCESSORIES FOR WATER HEATERS			
1078	ELEC-5.3.1	Heating element of 1.5 / 2.0 / 3.0 KW.	1	No	363.00
1079	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	250.00
1080	ELEC-5.3.3	Supply of pressure release valve for water heater of 15 to 50 Ltrs.capacity.	1	No	250.00
1081	ELEC-5.3.4	Flexible Nylon / PVC Metallic hose pipe	1	No	150.00
	5.4	ACCESSORIES FOR MOTORS			
1082	ELEC-5.4.1	Supply & Fixing of D.O.L Starter 250V, Single phase, 50Hz. With SS encloser comprising of contactor with bi-metalic relay with necessary push buttons, etc., complete. Makes: Siemens / Crompton / L&T.	1	No	780.00
1083	ELEC-5.4.2	Supply & Fixing of D.O.L Starter 415V, 3 phase, 50Hz.. enclosed with no volt coil and overload protection with necessary materials, etc., complete suitable upto 7.5.HP. Makes: Siemens / Crompton / L&T.	1	No	1,450.00
1084	ELEC-5.4.3	Supply & Fixing of Semi automatic star / delta starter suitable for 10 HP to 12.5 HP Induction Motor totally enclosed with over load protection and no volt relay etc., complete. Makes: Siemens / Crompton / L&T.	1	No	5,000.00
1085	ELEC-5.4.4	Supply & Fixing of Semi automatic star / delta starter suitable for 15 HP to 25 HP Induction Motor totally enclosed with over load protection and no volt relay etc., complete. Makes: Siemens / Crompton / L&T.	1	No	7,500.00
1086	ELEC-5.4.5	Supply & Fixing of Automatic star / delta starter suitable for 10 HP to 12.5 HP Induction Motor totally enclosed with over load protection and no volt relay etc., complete. Makes: Siemens / Crompton / L&T.	1	No	6,000.00
1087	ELEC-5.4.6	Supply & Fixing of Automatic star / delta starter suitable up to 15 HP Induction Motor totally enclosed with over load protection and no volt relay etc., complete. Makes: Siemens / Crompton / L&T.	1	No	6,500.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1088	ELEC-5.4.7	Deleted SOR 11-12 ELEC-5.4.7			
1089	ELEC-5.4.8	Motor Cover made with GI sheet of 18SWG for protection from rain complete.	1	No	60.00
1090	ELEC-5.4.39	Supply & Fixing of D.O.L Starter 415V, 3 phase, 50Hz.. enclosed with no volt coil, overload protection and single phase preventor , etc., complete suitable upto 10.0.HP. Makes:Siemens / Crompton / L&T.	1	No	2,490.00
		SINGLE PHASE SUBMERSIBLE MOTOR PUMP SETS			
1091	ELEC-5.4.9	Supply and Transportation of 0.75HP 8 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	14,279.00
1092	ELEC-5.4.10	Supply and Transportation of 1.00HP 9 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	15,369.00
1093	ELEC-5.4.11	Supply and Transportation of 1.00HP 13 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	16,023.00
1094	ELEC-5.4.12	Supply and Transportation of 1.50HP 19 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	18,857.00
1095	ELEC-5.4.13	Supply and Transportation of 2.00HP 25 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	23,326.00
		THREE PHASE SUBMERSIBLE MOTOR PUMP SETS.			
1096	ELEC-5.4.14	Supply and Transportation of 3.00HP 18 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	20,492.00
1097	ELEC-5.4.15	Supply and Transportation of 3.00HP 26 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	21,255.00
1098	ELEC-5.4.16	Supply and Transportation of 3.00HP 32 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	25,724.00
1099	ELEC-5.4.17	Supply and Transportation of 5.00HP 27 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	27,032.00
1100	ELEC-5.4.18	Supply and Transportation of 5.00HP 40 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	29,648.00
1101	ELEC-5.4.19	Supply and Transportation of 5.00HP 52 Stage Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	32,918.00
1102	ELEC-5.4.20	Supply and Transportation of 5.00HP 17 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	32,373.00
1103	ELEC-5.4.21	Supply and Transportation of 7.5HP 8 Stage Three phase ISI	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.			32,373.00
1104	ELEC-5.4.22	Supply and Transportation of 7.5HP 20 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	37,060.00
		SINGLE PHASE OPEN WELL SUBMERSIBLE MOTOR PUMP SETS.			
1105	ELEC-5.4.23	Supply and Transportation of 1.00HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	10,246.00
1106	ELEC-5.4.24	Supply and Transportation of 1.50HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	11,554.00
1107	ELEC-5.4.25	Supply and Transportation of 3.00HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	14,824.00
		THREE PHASE OPEN WELL SUBMERSIBLE PUMP SETS.			
1108	ELEC-5.4.26	Supply and Transportation of 3.00HP Three phase open well ISI submersible motor pumpset.(65x50) Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	15,500.00
1109	ELEC-5.4.27	Supply and Transportation of 5.00HP Three phase open well ISI submersible motor pumpset.(75x65) Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	19,200.00
1110	ELEC-5.4.28	Supply and Transportation of 7.50HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	23,000.00
1111	ELEC-5.4.40	Supply and Transportation of 10.00HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	29,000.00
		SINGLE PHASE MONO BLOCK MOTOR PUMP SETS.			
1112	ELEC-5.4.29	Supply and Transportation of 0.5HP Single phase ISI Mono block motor pumpset (25x25mm). Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	4,469.00
1113	ELEC-5.4.30	Supply and Transportation of 1.0HP Single phase ISI Mono block motor pumpset (25x25mm). Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	6,322.00
1114	ELEC-5.4.31	Supply and Transportation of 1.5HP Single phase ISI Mono block motor pumpset (32x25mm). Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	8,611.00
1115	ELEC-5.4.41	Supply and Transportation of 1.02HP Single phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	12,240.00
1116	ELEC-5.4.42	Supply and Transportation of 2.00HP Three phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	14,960.00
1117	ELEC-5.4.43	Supply and Transportation of 3.00HP Three phase ISI self	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		priming Mono block IP44 motor pumpset (50x50mm). Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.			19,300.00
1118	ELEC-5.4.44	Supply and Transportation of 5.00HP Three phase ISI self priming Mono block IP44 motor pumpset (80x80mm). Makes: Kirloskar / Crompton / CRI / L&T / Texmo / Varsha.	1	No	26,200.00
		CONTROL PANEL BOARD FOR MOTORS			
1119	ELEC-5.4.32	Supply and Transportation of control panel for single phase submersible motors up to 3 HP @ 220V 50Hz operating range between 80 to 240V including supply and fixing of Direct - on - Line LTLK / SIEMENS / CROMPTON make Volt meter and Ammeter with starting and running capacitors assembled with ISI mark contactors and fitted with Legrand make ISI mark MCB etc., complete.	1	No	4,410.00
1120	ELEC-5.4.45	Supply and Transportation of control panel for single phase submersible motors from 5 HP to 10 HP @ 220V 50Hz operating range between 80 to 240V including supply and fixing of Direct - on - Line LTLK / SIEMENS / CROMPTON make Volt meter and Ammeter with starting and running capacitors assembled with ISI mark contactors and fitted with Legrand make ISI mark MCB etc., complete.	1	No	5,765.00
1121	ELEC-5.4.33	Deleted SOR 11-12 ELEC-5.4.33			
1122	ELEC-5.4.34	Deleted SOR 11-12 ELEC-5.4.34			
1123	ELEC-5.4.35	Deleted SOR 11-12 ELEC-5.4.35			
1124	ELEC-5.4.36	Deleted SOR 11-12 ELEC-5.4.36			
1125	ELEC-5.4.37	Deleted SOR 11-12 ELEC-5.4.37			
1126	ELEC-5.4.38	Deleted SOR 11-12 ELEC-5.4.38			
	5.5	REPAIRS TO AIR CONDITIONERS			
1127		Deleted SOR 11-12 ELEC-2.2.7			
1128	ELEC-5.5.1	Supply, Fabrication of 1set MS bracket suitable for fixing out door unit of split AC unit.	1	Set	1,000.00
1129	ELEC-5.5.2	Providing 2 runs of Copper tubes for suction and discharge between indoor and outdoor unit for split Air-Conditioner including foaming etc., complete.	1	Mtr	750.00
1130	ELEC-5.5.3	Supply of 1.0 / 1.5 Ton brand new Rotary type sealed compressor.	1	No	8,150.00
1131	ELEC-5.5.4	Supply of 2.0 Ton brand new Rotary type sealed compressor.	1	No	9,250.00
1132	ELEC-5.5.5	Multi speed Fan Motor suitable for 1.0 / 1.5 / 2.0 Ton Window A.C.Unit of makes Crompton / AU.	1	No	1,590.00
1133	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
1134	ELEC-5.5.7	Thermostat switch suitable for 1.0 / 1.5 / 2.0 Ton A.C.Unit.	1	No	410.00
1135	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

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1136	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
1137	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
1138	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
1139	ELEC-5.5.12	Air filter suitable for 1.50 Ton Window A.C.Unit P.V.C. / NYLON.	1	No	225.00
1140	ELEC-5.5.13	Air filter suitable for 1.50 Ton Split A.C.Unit P.V.C. / NYLON.	1	No	475.00
1141	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
1142	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
1143	ELEC-5.5.16	Fan blade for 1.0 / 1.5 Ton A.C.Machine.	1	No	560.00
1144	ELEC-5.5.17	Grill of 1.0 / 1.5 ton A.C. Machine (for assembled Units).	1	No	427.00
1145	ELEC-5.5.18	Grill of 1.0 / 1.5 ton A.C. Machine of branded units.	1	No	1,700.00
1146	ELEC-5.5.19	Rotary / Selector switch by new one.	1	No	115.00
1147	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
1148	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
1149	ELEC-5.5.22	Spray painting of Refrigerator using good quality paint after scraping the surface etc.	1	No	720.00
1150	ELEC-5.5.23	New sealed compressor of 1/8 HP suitable for 165 to 185 Ltrs. Capacity Refrigerator.	1	No	3,100.00
1151	ELEC-5.5.24	Sealed compressor of 1/6 HP suitable for 285 / 310 Ltrs. Capacity Refrigerator.	1	No	3,750.00
1152	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
1153	ELEC-5.5.26	Bush for fan motor of 80-150 Lts.	1	No	125.00
1154	ELEC-5.5.27	Fan hook of 12/15mm dia M.S. rod / bar	1	No	20.00
1155	ELEC-5.5.28	19/20mm steel tube down rod of 1 meter length.	1	No	60.00
1156	ELEC-5.5.29	Resistance type regulator for ceiling fans 900/1200/1400mm sweep complete erected on existing board.	1	No	40.00
1157	ELEC-5.5.30	Installation of 1.5 / 2.0 TR Split Air Conditioners.	1	No	1,500.00
1158	ELEC-5.5.31	Removing of existing 1.5 / 2.0 TR Split Air Conditioners	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		without damaging to copper pipe.			400.00
1159	ELEC-5.5.32	Deleted SOR 11-12 ELEC-5.5.32			
1160	ELEC-5.5.33	Deleted SOR 11-12 ELEC-5.5.33			
1161	ELEC-5.5.34	Deleted SOR 11-12 ELEC-5.5.34			
1162	ELEC-5.5.35	Deleted SOR 11-12 ELEC-5.5.35			
1163	ELEC-5.5.36	Deleted SOR 11-12 ELEC-5.5.36			
1164	ELEC-5.5.37	Deleted SOR 11-12 ELEC-5.5.37			
1165	ELEC-5.5.38	Deleted SOR 11-12 ELEC-5.5.38			
1166	ELEC-5.5.39	Deleted SOR 11-12 ELEC-5.5.39			
1167	ELEC-5.5.40	Deleted SOR 11-12 ELEC-5.5.40			
1168	ELEC-5.5.41	Deleted SOR 11-12 ELEC-5.5.41			
1169	ELEC-5.5.42	Deleted SOR 11-12 ELEC-5.5.42			
1170	ELEC-5.5.43	Deleted SOR 11-12 ELEC-5.5.43			
1171	ELEC-5.5.44	Deleted SOR 11-12 ELEC-5.5.44			
1172	ELEC-5.5.45	Deleted SOR 11-12 ELEC-5.5.45			
1173	ELEC-5.5.56	Installation of 1.5 / 2.0 / 3.0 TR Cassette type Split Air Conditioners.	1	No	3,000.00
1174	ELEC-5.5.57	Installation of 1.5 / 2.0 / 3.0 TR Tower type Split Air Conditioners.	1	No	2,500.00
		SPLIT AIR CONDITIONERS			
1175		Supply of split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed compressor suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 5mts of required size of copper piping duly insulated and 3 core copper flexible chord of required length.			
	ELEC-5.5.58	1.5 TR 3 Star with operating on refrigerant R-22 makes Daikin or its equivalent.	1	No	36,700.00
	ELEC-5.5.59	1.5TR 5 Star with operating on refrigerant R-22 makes Daikin or its equivalent.	1	No	44,500.00
	ELEC-5.5.60	1.5 TR 3 Star with operating on refrigerant R-22 makes 'O'General or its equivalent.	1	No	43,790.00
	ELEC-5.5.61	1.5TR 5 Star with operating on refrigerant R-22 makes 'O'General / Thoshiba.	1	No	46,895.00
	ELEC-5.5.62	1.8 / 2.0 TR 3 Star with operating on refrigerant R-22 makes Carrier / Blue Star	1	No	43,700.00
	ELEC-5.5.63	1.8 / 2.0 TR 3 Star with operating on refrigerant R-22 makes Daikin / 'O' General / Thoshiba	1	No	47,845.00
	ELEC-5.5.64	2.0 TR 4 Star with operating on refrigerant R-22 makes Carrier / Blue Star / Hitachi	1	No	45,100.00
	ELEC-5.5.65	1.8 / 2.0 TR 5 Star with operating on refrigerant R-22 makes Daikin / 'O' General / Thoshiba	1	No	53,800.00
	ELEC-5.5.66	1.5 TR 3 Star with operating on refrigerant R-22 makes	1	No	35,675.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Carrier / Blue Star / Hitachi			
	ELEC-5.5.67	1.5 TR 4 Star with operating on refrigerant R-22 makes Carrier / Blue Star / Hitachi	1	No	37,500.00
	ELEC-5.5.68	1.5 TR 5 Star with operating on refrigerant R-22 makes Carrier / Blue Star / Hitachi	1	No	39,850.00
	ELEC-5.5.69	1.5 TR 5 Star with operating on refrigerant R-22 makes Voltas / LG / GE	1	No	35,900.00
	ELEC-5.5.70	1.8 TR 3 Star with operating on refrigerant R-22 makes Voltas / LG / GE	1	No	38,900.00
	ELEC-5.5.71	2.2 TR 3 Star with operating on refrigerant R-22 makes Voltas / LG / GE	1	No	45,500.00
1176		Supply of Cassette type split AC unit with ceiling mounted indoor unit and outdoor condensing unit Hermetically sealed compressor suitable for operation on AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units etc complete.			
	ELEC-5.5.72	1.5TR Single Phase. Makes: Carrier / Blue Star	1	No	57,250.00
	ELEC-5.5.73	1.5TR Single Phase. Makes: Daikin / 'O' Genral	1	No	67,500.00
	ELEC-5.5.74	2.0TR Single Phase Makes: Carrier / Blue Star	1	No	68,800.00
	ELEC-5.5.75	2.0TR Single Phase Makes: Daikin / 'O' Genral	1	No	79,245.00
	ELEC-5.5.76	2.5TR (Single O G / Three Phase Daikin)	1	No	1,03,945.00
	ELEC-5.5.77	3.0TR Three Phase Makes: Daikin / 'O' Genral	1	No	1,20,150.00
	ELEC-5.5.78	3.0TR Three Phase Makes: Carrier / Blue Star	1	No	1,00,950.00
	ELEC-5.5.79	3.5TR Three Phase Makes: Daikin / 'O' Genral	1	No	1,31,895.00
	ELEC-5.5.80	3.5TR Three Phase Makes: Carrier / Blue Star	1	No	1,15,800.00
	ELEC-5.5.81	4.0TR Three Phase Makes: Daikin / 'O' Genral	1	No	1,46,645.00
	ELEC-5.5.82	4.0TR Three Phase Makes: Carrier / Blue Star	1	No	1,12,500.00
1177		Supply of Slim line / Tower Model type split AC unit with indoor unit and floor mounted outdoor condensing unit Hermetically sealed Scroll compressor suitable for operation on AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units etc complete.			
		Tower Model			
	ELEC-5.5.83	2.2TR Three Phase Makes: Daikin / 'O'General	1	No	1,31,100.00
	ELEC-5.5.84	3.0/3.5TR Three Phase Makes: Carrier / Blue Star	1	No	94,300.00
	ELEC-5.5.85	3.0TR Three Phase Makes: Daikin / 'O'General	1	No	1,41,000.00
	ELEC-5.5.86	3.7TR Three Phase Makes: Daikin / 'O'General	1	No	1,47,400.00
		INVERTOR MODEL HEAT COOL SINGLE SPLIT AC'S			
1178		Supply of INVERTER Model Heat Cool type split AC unit with high wall mounted Single Split indoor unit and outdoor condensing unit Hermetically sealed compressor			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing Heat cool dehumidifying air circulating and filtering with cooling and condensing units duly insulated and 3 core copper flexible chord of required length etc. complete.			
	ELEC-5.5.87	.....do....with Cooling capacity 18000 BTU/Hr and above, Coefficient of performance 3.70 and above and R410A refrigerant etc complete. Make : Toshiba model No. Indoor Unit RAS-18N3KV2-E Outdoor Unit RAS-18N3AV2-E or its equivalent model of 'O'General / Mitsubishi / Daikin			69,500.00
	ELEC-5.5.88	.....do.....with Cooling capacity 22000 BTU/Hr and above, Coefficient of performance 3.40 and above and R410A refrigerant etc complete. Make : Toshiba model No. Indoor Unit RAS-B22N3KV2-E Outdoor Unit RAS-22N3AV2-E or its equivalent model of 'O'General / Mitsubishi / Daikin			74,500.00
		STABILIZERS			
1179	ELEC-5.5.46	Supply of 0.5 KVA Stabilizer of make V-Guard / Real Guard / Uni Stab / ITL.	1	No	990.00
1180	ELEC-5.5.47	Supply of 0.5 KVA Stabilizer of make Keeline / Soft Line / Capri.	1	No	810.00
1181	ELEC-5.5.48	Supply of 1.0 KVA Stabilizer of make V-Guard / Real Guard / Uni Stab / ITL.	1	No	1,805.00
1182	ELEC-5.5.49	Supply of 1.0 KVA Stabilizer of make Keeline / Soft Line / Capri.	1	No	1,615.00
1183	ELEC-5.5.50	Supply of 3.0 KVA Stabilizer of make V-Guard / Real Guard / Uni Stab / ITL.	1	No	2,500.00
1184	ELEC-5.5.51	Supply of 3.0 KVA Stabilizer of make Keeline / Soft Line / Capri.	1	No	2,300.00
1185	ELEC-5.5.52	Supply of 4.0 KVA Stabilizer of make V-Guard / Real Guard / Uni Stab / ITL.	1	No	3,325.00
1186	ELEC-5.5.53	Supply of 4.0 KVA Stabilizer of make Keeline / Soft Line / Capri.	1	No	3,135.00
1187	ELEC-5.5.54	Supply of 5.0 KVA Stabilizer of make V-Guard / Real Guard / Uni Stab / ITL.	1	No	4,002.00
1188	ELEC-5.5.55	Supply of 5.0 KVA Stabilizer of make Keeline / Soft Line / Capri.	1	No	3,806.00
	5.6	REPAIRS TO MOTORS AND REWINDING, BEARINGS			
1189	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
1190	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
1191	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
1192	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
1193	ELEC-5.6.5	Bearing of approved make for electric motor single phase / 3	1	No	489.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		phase AC upto 15 to 20 HP of all types.			
1194	ELEC-5.6.6	Bearing of table / cabin / pedestal / ceiling / exhaust fan complete with alignment of shaft and tested.	1	No	84.00
1195	ELEC-5.6.7	Bearing of bush / rubber / ring washers complete with alignment of shaft and tested.	1	No	40.00
1196	ELEC-5.6.8	Capacitor of table / cabin / pedestal / ceiling / exhaust fan complete.	1	No	38.00
1197	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
1198	ELEC-5.6.10	Deleted SOR 10-11 ELEC-5.6.10			
1199	ELEC-5.6.11	Deleted SOR 10-11 ELEC-5.6.11			
1200	ELEC-5.6.12	Deleted SOR 10-11 ELEC-5.6.12			
1201	ELEC-5.6.13	Deleted SOR 10-11 ELEC-5.6.13			
1202	ELEC-5.6.14	Deleted SOR 10-11 ELEC-5.6.14			
	6.1	SWAGED POLES / OCTOGONAL POLES, GARDEN POSTS AND ACCESSORIES			
1203	ELEC-6.1.1	Fabrication, supply and transportation of all sizes swaged poles up to site confirming to IS 2713 / 1980 specifications. The pole should be painted with primary coat of red oxide and black bituminous paint up to ground level with base plate, including cost of all materials etc., complete.(Rate per K. G)	1	Kg	70.20
1204	ELEC-6.1.2	Fabrication and Supply of M.S. Poles for garden posts with 'B' class 60.25mm outer dia with base plate and suitable pole cap including cost and conveyance of all material including fixing of luminaire and labour charges etc., complete. (Rate per K. G)	1	Kg	64.80
1205	ELEC-6.1.3	Supply of different sizes of M. S. Pipe brackets (Rate per K.G)	1	Kg	64.80
1206	ELEC-6.1.4	Fabrication, Transportation and supply of hot-dip galvanized Octogonal 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 / Valmont / Aster / TRANSRAIL / Surya.	1	No	9,679.00
1207	ELEC-6.1.5	Fabrication, Transportation and supply of hot-dip galvanized Octogonal 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	1	No	14,292.70

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		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 / Valmont / Aster / TRANSRAIL / Surya.			
1208	ELEC-6.1.6	Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 10 Mtrs height Pole having dimensions Bottom 175 mm,. Top 70mm with 3mm thick, base plate 285 x 285 x16mm and 4 Nos of M24 x 750 long 'J' bolts along with template of Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.	1	No	15,664.30
1209	ELEC-6.1.7	Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 12 mtrs height Pole having dimensions Bottom 200mm / 240mm, Top 100mm / 90mm with 4mm thick, base plate 320 x320 x20mm and 4 Nos of M24 x 850 long 'J' bolts along with template of Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.	1	No	25,039.80
1210	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	1,215.00
1211	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	1,603.80
1212	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	1,399.70
1213	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	2,478.60
1214	ELEC-6.1.12	Fabrication,transportation and supply of MS hot dip galvanized 9.0 Mtrs long octagonal poles with 3mm thick HT steel plate with a bottom 200mm / 240mm dia and top 100mm / 90mm dia, base plate of size 290mmx290mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.5mtrs sword type decorative double arm bracket with dooms	1	No	23,814.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.			
1215	ELEC-6.1.13	Foundation and erection charges for 9 mtrs / 10 Mtrs long Octagonal/Conical pole duly erecting on base plate 290mm x 290mm x 16mm thick duly providing 4 Nos. foundation bolts with nuts with providing of M20 c.c work vibrated concreting mixing with necessary steel (38kgs) reinforcement as directed by the field engineers during execution including all labour charges and cost and conveyance of materials etc. complete.	1	No	4,500.00
1216	ELEC-6.1.14	Fabrication, transportation and supply of 12 Mtrs Polygon High Mast with single section of 3mm thick of Bottom 350mm / 360mm and Top 125mm / 100mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 520mm dia 16mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.	1	No	93,957.80
1217	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 350mm and Top 125mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 560mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.	1	No	1,34,879.00
1218	ELEC-6.1.16	Fabrication, transportation and supply of 16 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick with GLS type aviation lamp of Bottom 410mm and Top 150mm dia with BSEN - 10025	1	No	1,45,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 560mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.			
1219	ELEC-6.1.17	Fabrication, transportation and supply of 20 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick of Bottom 400mm / 410mm and Top 150mm / 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 570mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp of Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.	1	No	1,68,255.40
1220	ELEC-6.1.18	Supply and fixing of suitable feeder pillar box made with 14 SWG CRCA sheet including S & F of Legrand / Schnieder / Siemens / ABB / L&T make 40A TP MCB, 6 Nos SP MCB's, bus bars, 6 Sqmm 3 core copper cable for individual light control, contactor, suitable timer and connectors and provision for energy meter etc., complete for finished item of work.	1	No	28,883.50
1221	ELEC-6.1.19	Supply and fixing of suitable feeder pillar box made with 14 SWG CRCA sheet including S & F of Legrand / Schnieder / Siemens / ABB / L&T make 63A TP MCB, 8 Nos SP MCB's, bus bars, 6 Sqmm 3 core copper cable for individual light control, contactor, suitable timer and connectors and provision for energy meter etc., complete for finished item of work.	1	No	30,472.20
1222	ELEC-6.1.20	Earth work excavation with a approximate quantity of 4.0 Cum for erection of 12 Mtrs high mast and refilling with a quantity of 0.53 Cum of PCC 1:4:8, 1.50 Cum M 20 grade concrete and (80 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with	1	No	28,073.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		cost and conveyance of all above materials including labour charges for erection of High Mast and Carraige etc complete.			
1223	ELEC-6.1.21	Earth work excavation with a approximate quantity of 6.0 Cum for erection of 16 Mtrs high mast and refilling with a quantity of 0.65 Cum of PCC 1:4:8, 2.60 Cum M 20 grade concrete and (110 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carraige etc complete.	1	No	35,794.00
1224	ELEC-6.1.22	Earth work excavation with a approximate quantity of 7.0 Cum for erection of 20 Mtrs high mast and refilling with a quantity of 0.75 Cum of PCC 1:4:8, 3.60 Cum M 20 grade concrete and (140 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carraige etc complete.	1	No	45,551.00
1225	ELEC-6.1.23	Fabrication,transportation and supply of MS hot dip galvanized 9.0 Mtrs long octagonal poles with 3mm thick HT steel plate with a bottom 155mm dia and top 75mm dia, base plate of size 260mmx260mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.5mtrs sword type decorative single arm bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.	1	No	18,698.00
1226	ELEC-6.1.24	Fabrication,transportation and supply of MS hot dip galvanized 9.0 Mtrs long Conical poles with 3mm thick HT steel plate with a bottom 173mm dia and top 75mm dia, base plate of size 275mmx275mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.0 mtrs C type decorative single arm with painted bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.	1	No	14,580.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1227	ELEC-6.1.25	Fabrication, transportation and supply of MS hot dip galvanized 10.0 Mtrs long Conical poles with 3mm thick HT steel plate with a bottom 184mm dia and top 75mm dia, base plate of size 275mmx275mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.5 mtrs C type decorative Double arm with painted bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.	1	No	16,740.00
1228		Supply of following sizes thermo plastic pole boxes IP 65 protection Make : Hensel / Sintex			
	ELEC-6.1.26	300X150X170			1,220.00
	ELEC-6.1.27	300X300X170			1,750.00
	ELEC-6.1.28	300X450X170			2,385.00
	ELEC-6.1.29	300X600X170			2,830.00
1229	ELEC-6.1.30	Erection charges for 7.50 Mts long Octagonal pole on bridge kerb portion (R.C.C). with 4 Nos 8" Anchor bolts/ M20xsuitable "J" type bolts etc duly drilling holes to RCC slab and with V.C.C. M.15 concrete for base concreting up to a height of 8" with necessary Reinforcement work etc. including cost and conveyance of all material and all labour charges etc. complete as directed by the department officers.	1	No	3,200.00
1230		Supply and transportation of following glass reinforced polymer (GRP) composite type Conical pole with single arm bracket of length 1Mtr and internal junction box including labour charges etc., complete. Makes: Bajaj / Kemrock / Sumip.			
	ELEC-6.1.31	3.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	1	No	8,908.00
	ELEC-6.1.32	4.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	1	No	11,168.00
	ELEC-6.1.33	6.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	1	No	14,275.00
	ELEC-6.1.34	8.00 Mtrs height, Bottom dia 193mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	1	No	18,795.00
	ELEC-6.1.35	10.00 Mtrs height, Bottom dia 227mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	1	No	27,268.00
1231		Supply and transportation of base bracket suitable for glass reinforced polymer (GRP) composite type pole including labour charges etc., complete. Makes: Bajaj / Kemrock / Sumip.			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
	ELEC-6.1.36	For 3.00 Mtrs Pole	1	No	1,650.00
	ELEC-6.1.37	For 4.00 Mtrs Pole	1	No	1,650.00
	ELEC-6.1.38	For 6.00 Mtrs Pole	1	No	1,980.00
	ELEC-6.1.39	For 8.00 Mtrs Pole	1	No	2,310.00
	ELEC-6.1.40	For 10.00 Mtrs Pole	1	No	5,500.00
1232	ELEC-6.1.41	Fabrication, transportation and supply of 16 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick with GLS type aviation lamp of Bottom 410mm and Top 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 570mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 30 x 850 mm foundation bolts of required quantity with GLS type aviation twin lamp Makes Bajaj / Valmont / Aster / TRANSRAIL / Surya.	1	No	1,45,000.00
	6.2	CONTROL PANEL BOARD			
1233	ELEC-6.2.1	Fabrication and erection of 14SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.	1	sq. inch	2.40
1234	ELEC-6.2.2	Fabrication and erection of 16 SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.	1	sq. inch	2.20
1235	ELEC-6.2.3	Fabrication and erection of 18SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.	1	sq. inch	1.90
	6.3	METERING EQUIPMENT			
1236	ELEC-6.3.1	Supply and erection of 0-415V volt Digital meter of size 96x96mm on existing box / panel board including connections etc., complete.CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	2,500.00
1237	ELEC-6.3.2	Supply and erection of 0-415V volt Analog meter of size	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		96x96mm on existing box / panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.			450.00
1238	ELEC-6.3.3	Supply and erection of 0-100 / 200 / 400 / 600 /1000 Digital Ammeter of size 96x96mm on existing box / panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	2,500.00
1239	ELEC-6.3.4	Supply and erection of 0-100 / 200 / 400 / 600 /1000 Analog Ammeter of size 96x96mm on existing box / panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	450.00
1240	ELEC-6.3.5	Supply and erection of Digital frequency meter of size 96x96mm on existing box / panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	4,556.00
1241	ELEC-6.3.6	Supply and erection of Digital power factor meter, 3 phase, 4 wire balanced or unbalanced load 5A, 415V of size 96x96mm on existing box / panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	2,700.00
1242	ELEC-6.3.7	Supply and erection of L.T. 3phase Digital multifunction energy meter with 3 lines LCD display of size 96x96mm for measuring all the parameters (voltage / Current / Power / frequency / power factor / kw / kwh / KVAR/ KVARH/) on existing box panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.	1	No	10,023.00
1243	ELEC-6.3.8	Supply and erection of selector switch for voltmeter / Ammeter on the existing box / panel including connections etc., complete. L&T / C&S / SALZAR / HPL MAKE.	1	No	175.00
1244	ELEC-6.3.9	Supply and erection of LED indicator lamps on the existing box / panel board. L&T / C&S / SALZAR / HPL MAKE.	1	No	135.00
1245	ELEC-6.3.10	Supply and erection of LT current transformer with bar primary 100/5A to 1000 / 5A ratio in the existing box / panel including connections etc., complete. KAPPA MAKE.	1	No	450.00
1246	ELEC-6.3.11	Supply and fixing of single phase Electronic energy Meter, 240V AC, 50 HZ as per IS13010 up to 40A range with 200% over load capacity complete with connections etc., complete on the existing board. CONZERVE / ELMEASURE / MECO / HPL / HAVELLS MAKE.	1	No	1,050.00
1247	ELEC-6.3.12	Supply and fixing of three phase Electronic energy Meter, 415V AC, 50 HZ as per IS13010 up to 40A range with 200% over load capacity complete with connections etc., complete on the existing board. CONZERVE / ELMEASURE / MECO / HPL / HAVELLS MAKE.	1	No	3,037.00
1248	ELEC-6.3.13	Supply and fixing of 8 Stage APFC Relay with connection etc complete. (L&T / Siemens / EPCOS / Schneider / Elmeasure)	1	No	13,600.00
1249	ELEC-6.3.14	Supply and fixing of 14 Stage APFC Relay with connection etc complete. (L&T / Siemens / EPCOS / Schneider /	1	No	16,900.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Elmeasure)			
	6.4	SUB STATION EQUIPMENT			
1250	ELEC-6.4.1	Carryout routine maintenance, servicing and testing of 630A to 1000A L.T.ACB by cleaning fixed contacts, moving contacts and arcchutes including servicing and putting the ACB in perfect working condition after detting all relay and ON, OFF mechanism etc.	1	No	1,800.00
1251	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
1252	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
1253	ELEC-6.4.4	Testing of Transformer oil for dielectric breakdown strength.	1	No	500.00
1254	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
1255	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
1256	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
1257	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
1258	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
1259	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
1260	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
1261	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
1262	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
1263	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

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1264	ELEC-6.4.15	Insulating HT / LT copper / aluminium coils for Transformers.	1	No	300.00
1265	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
1266	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
1267	ELEC-6.4.18	Replacing H.T bushing for distribution Transformer by new one.	1	No	350.00
1268	ELEC-6.4.19	Replacing H.T bushing metal parts for distribution Transformer by new one.	1	No	380.00
1269	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
1270	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
1271	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
1272	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
1273	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
1274	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
1275	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
1276	ELEC-6.4.27	Drying the repaired transformer with appropriate heat / air of following capacity of transformers. -500 / 1000KVA	1	No	4,200.00
1277	ELEC-6.4.28	Loading and Unloadng of transformer from site to Workshop or vice verse. -Upto 500 KVA	1	No	4,500.00
1278	ELEC-6.4.29	Loading and Unloadng of transformer from site to Workshop or vice verse. -630 / 1000 KVA	1	No	6,800.00
1279	ELEC-6.4.30	Transformer oild tested as per IS-335 - 1972 (per Ltr)	1	Ltr	90.00
1280	ELEC-6.4.31	Filtration of transformer oil as per ISS specifications filters to die electric strength above 40 K. V at site. (per Ltr)	1	Ltr	8.00
1281	ELEC-6.4.32	Filtration of transformer oil as per ISS specifications filters to die electric strength above 40 K. V at workshop (per Ltr)	1	Ltr	5.00
1282	ELEC-6.4.33	Supply of MPP type heavy duty capacitor of operating voltage not less than 480V and losses not more than 0.35W per KVAR and inrush current withstand capability 300 times the rated current. Makes:L&T/Siemens/Schneider/Eplos.	1	KVAR	330.00
1283	ELEC-6.4.34	Deleted SOR 11-12 ELEC-6.4.34			

Sl. No.	Item Code	Description of Item	Unit	SS Rate for 2012-13
1	2	3	4	5
1284		Supply, transportation and delivery at site of 3 Phase, 50 Hz, oil immersed and naturally cooled, outdoor / Indoor type copper wound transformer designed and manufactured as per IS 2026-1977 and 1st filling of oil as per IS 335 of 1993, connected delta on primary side and Star on secondary side with additional neutral brought out on load side, 1100V / (433V / 415V) with HV tapping + or - 2.5% continuously rated for full load and temperature rise not exceeding 50°C in oil and 55°C rise by the resistance of the winding after continuous run on full load rating complete with the following standard mountings. Makes: Kirloskar / Vijay Electricals / PETE / Esennar		
		(Note: Other than these makes / brands mentioned rate may be allowed as approved by AP Electricity Board).		
		1. Rated KVA :KVA 2. Service: Outdoor / Indoor 3. Mounting : Plinth. 4. Copper wound : Double. 5. Type : Core. 6. Cooling : ONAN 7. Temp . Rise : 55°C. 8. Vector Group: Dyn 11 9. Primary Connection : Delta 10. Primary Volts : 11000 11. Primary Frequency : 50 12. Primary Phases : 3 13. Primary wires: 3 14. Secondary connection : Star 15. Secondary Volts : 415 / 433V 16. Secondary phases : 3 17. Secondary wires: 4 18. Taps on primary winding for primary voltage variation : +7.5% to - 7.5% in steps of 2.5%,		
		19. Terminal arrangement. a. HV: Bare Busings / Cable end box b. LV : Cable box 20. LV : One separate terminal for earthing. 20. No load losses (Watts): .....As per IS specification 21. Load losses (Watts): .....As per IS specification 22. Impedance(Z%) :As per IS specification		
		21. Fittings & Accessories. a. Rating and terminal marking plate b. Earthing terminals c. Lifting Lugs d. Conservator with drain plug. e. Oil level Indicator f. Dehydrating silicagel breather		

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		g. Air release device h. Drain cum filter wall i. Explosion vent with diaphragm j. Radiators (Attachable) k. Seperate neutral bushing l. Uni directional flat rollers.			
	ELEC-6.4.35	..... do..... 100 KVA Copper Wound Transformer			Deferred for the present
	ELEC-6.4.36	..... do..... 160 KVA Copper Wound Transformer			
	ELEC-6.4.37	..... do..... 250 KVA Copper Wound Transformer			
	ELEC-6.4.38	..... do..... 315 KVA Copper Wound Transformer			
	ELEC-6.4.39	..... do..... 500 KVA Copper Wound Transformer			
1285		Supply, transportation and delivery at site of 3 Phase, 50 Hz, Dry type, Indoor type copper wound transformer designed and manufactured as per IS 2026-1977 and IS 11171-1985, connected delta on primary side and Star on secondary side with additional neutral brought out on load side, 1100V / (433V / 415V) with HV tapping + or - 2.5% temperature rise by the resistance 90°C. complete with the following standard mountings. Makes: Kirloskar / Vijay Electricals / PETE / Esennar			
		(Note: Other than these makes / brands mentioned rate may be allowed as approved by AP Electricity Board).			
		1. Rated KVA :KVA (Cast Resin) 2. Service: Indoor 3. Mounting : Floor. 4. Copper wound : Double. 5. Type of cooling : ANAN. 6. Insulation Class : Class F 7. Temperature rise by resistance : 90°C 8. Vector Group: Dyn 11 9. Primary Connection : Delta 10. Primary Volts : 11000 11. Primry Frequency : 50 12. Primary Phases : 3 13. Primary wires: 3 14. Secondary connection : Star 15. Secondary Volts : 433V / 415V 16. Secondary phases : 3 17. Secondary wires: 4 18. Taps on primary winding for primary voltage variation : +5.0% to - 10.0% in steps of 2.5% through links.			
		19. <u>Terminal arrangement.</u> a. HV: Cable end box b. LV : Cable end box 20. No load losses (Watts): As per IS specifications 21. Load losses (Watts): .....As per IS specifications			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		22. Impedance(Z%) :As per IS specifications			
		21. Fittings & Accessories. a. Rating and terminal marking plate b. Earthing terminals c. Lifting Lugs d. Winding temperature Indicator e. Seperate neutral bushing f. Uni directional flat rollers.			
	ELEC-6.4.40	..... do..... 315 KVA Copper Wound Transformer			Deferred for the present
	ELEC-6.4.41	..... do..... 500 KVA Copper Wound Transformer			
	6.5	LIGHTENING PROTECTIVE SYSTEM			
1286	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
1287	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
1288	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
1289	ELEC-6.5.4	Supply and erecting porcelain post type insulator suitable for 11KV line with suitable hardware on existing cross arms.	1	No	675.00
1290	ELEC-6.5.5	Supply and erecting porcelain pin/shackle type insulator suitable for L. T.	1	No	90.00
1291	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
1292	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
1293	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
1294	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
1295	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
1296	ELEC-6.5.11	Supply of 7/3.15 AAA C all Alluminium annealed conductor Rabbit.	1	Km	25,012.80
1297	ELEC-6.5.12	Supply of 7/2.50 AAA C all Alluminium annealed conductor Weasel.	1	Km	15,382.40
1298	ELEC-6.5.13	Supply of 9.1 Mtr PSCC Pole 280 Kg Working load.	1	No	3,128.40

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1299	ELEC-6.5.14	Supply of 8.0 Mtr PSCC Pole 140 Kg Working load.	1	No	1,664.30
1300	ELEC-6.5.15	Supply of 175 x 85 mm / 150 x 75 mm RS Joist.	1	Kg	49.10
1301	ELEC-6.5.16	Supply and installation of NIMBUS CPT-3/NLP 2200 / FOREND(ESE-EU) Advanced lighting protection with capturing head of 135 - 210mm diameter, 205 -580mm height and 4.60 - 4.940 kgs , and having Rod length 760mm, weight 1.795 kgs with stainless steel rod, working on the principle of (ESE) Early Streamer Emission technology, having a coverage radius of 79mts when mounted on 10 - 15 mts height of existing lattice tower giving level 1 protection and anticipation emission time of 60 micro seconds/72 micro seconds. The NIMBUS is manufactured according to standard NFC 17 102 and UNE 21186-96 including functional integrity etc Complete. Make : NIMBUS / FOREND or equivalent	1	No	1,28,000.00
1302	ELEC-6.5.17	Installation and commissioning of NIMBUS / FOREND or equivalent advanced lighting protection systems which includes 1. Laying of CC Bed 2. Installation of Lighting Rod 3. Laying of Down conductor 4. Installation of Counter 5. Installation of Earth Electrodes 6. Interconnection between the Electrodes 7. Termination of down conductor to earth bus etc complete	1	No	31,200.00
1303	ELEC-6.5.18	Supply of electro-Mechanical counter (Make: CIRPROTEC / INDALAC/INGESCO)	1	Pt	16,000.00
1304	ELEC-6.5.19	Providing earth electrode of low carbon steel rod of 17mm dia coated with 250 microns thick copper 3mtr long with clamps and 2 bags of LORESCO ZEROLITE back fill compound etc complete (As per drawings enclosed)	1	Pt	9,600.00
1305	ELEC-6.5.20	Supply of down conductor of 1x70sqmm single core PVC insulated unarmoured copper conductor cable of ISI mark (Make: Polycab /Havells / RPG / RR Kabel)	1	Mtr	410.00
	7.1	NET WORKING			
1306	ELEC-7.1.1	Supply of 2 Pair telephone copper wire of makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab / Nakoda.	100	Mtrs	1,010.00
1307	ELEC-7.1.2	Supply of 5 Pair telephone copper wire of makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab / Nakoda.	100	Mtrs	2,800.00
1308	ELEC-7.1.3	Supply of RG 6 Co-axil cable of makes Finolex / Surabi / Million / Gold Medal / Polycab / Nakoda.	100	Mtrs	1,700.00
1309	ELEC-7.1.4	Supply of LAN Cable cat - 6 (A) UTP cable of makes D Link / AMP / Molex.	100	Mtrs	2,580.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1310	ELEC-7.1.5	Supply of Cat 6 RJ-45 information outlets including duel face plate of makes Beldan / D Link / Legrand AMP / Krone.	1	No	340.00
1311	ELEC-7.1.6	Supply of 24 Port switches of D link / AMP / Krone / Legrand make	1	No	5,200.00
1312	ELEC-7.1.7	Supply of 8 Port switches of D link / AMP / Krone / Legrand make	1	No	1,235.00
1313	ELEC-7.1.8	Supply of 17U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	10,125.00
1314	ELEC-7.1.9	Supply of 42U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	13,500.00
1315	ELEC-7.1.10	Supply of 3200 access point of D link make or its equivalent.	1	No	12,500.00
1316	ELEC-7.1.11	Supply of 7 feet length patch cord of makes D link / Beldan / Krone.	1	No	220.00
1317	ELEC-7.1.12	Supply of 3 feet length patch cord of makes D link / Beldan / Krone.	1	No	200.00
1318	ELEC-7.1.13	Supply of 24 port patch panels of makes D link / Beldan / Krone.	1	No	6,500.00
1319	ELEC-7.1.14	Supply of 100 pair MDF loaded with 2/10 Modular of Krone make or its equivalent.	1	No	3,680.00
1320	ELEC-7.1.15	Supply of 100 Pair raiser cable for telephone makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab.	1	Mtrs	387.00
1321	ELEC-7.1.16	Supply of 10 Pair telephone Copper wire of makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab / Nakoda.	1	Mtr	40.00
1322	ELEC-7.1.17	Supply of 20 Pair telephone Copper wire of makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab / Nakoda.	1	Mtr	76.00
1323	ELEC-7.1.18	Supply of 50 Pair telephone Copper wire of makes Gold Medal / Million / Finolex / Delton / Surabi / Polycab.	1	Mtr	195.00
1324	ELEC-7.1.19	Supply of 10 pair Telephone distribution box with back mount frame , krone connector , powder coated metal body with lock and key arrangement.	1	No	650.00
1325	ELEC-7.1.20	Supply of 20 pair Telephone distribution box with back mount frame , krone connector , powder coated metal body with lock and key arrangement.	1	No	990.00
1326	ELEC-7.1.21	Supply of 50 pair Telephone distribution box with back mount frame , krone connector , powder coated metal body with lock and key arrangement.	1	No	2,070.00
1327	ELEC-7.1.22	Supply of 200 pair Telephone distribution box with back mount frame , krone connector , powder coated metal body with lock and key arrangement.	1	No	7,900.00
1328	ELEC-7.1.23	Supply of 6U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	4,700.00
1329	ELEC-7.1.24	Supply of 9U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	5,580.00
1330	ELEC-7.1.25	Supply of 12U floor mounting net work rack with power	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		spike including all accessories of make HCL / Vall.			6,484.00
1331	ELEC-7.1.26	Supply of 15U floor mounting net work rack with power spike including all accessories of make HCL / Vall.	1	No	7,348.00
	8.1	MISSILLANEOUS ITEMS			
1332	ELEC-8.1.1	Deleted SOR 10-11 ELEC-8.1.1			
1333	ELEC-8.1.2	Deleted SOR 10-11 ELEC-8.1.2			
1334	ELEC-8.1.3	Deleted SOR 10-11 ELEC-8.1.3			
1335	ELEC-8.1.4	Supply of single fancy bracket with glass shade best Indian make	1	No	195.00
1336	ELEC-8.1.5	Supply of double fancy bracket with glass shade best Indian make	1	No	350.00
1337	ELEC-8.1.6	Supply of 10" ceiling fittings with glass doom best Indian make	1	No	175.00
1338	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
1339	ELEC-8.1.8	TW Seperators / Gutties	100	Nos	150.00
1340	ELEC-8.1.9	Rawl Plugs	100	Nos	25.00
1341	ELEC-8.1.10	U Nails	100	Nos	40.00
1342	ELEC-8.1.11	Alluminium Link Clips	144	Nos	50.00
1343	ELEC-8.1.12	50 mm G.I.Nut and Bolts.	1	Set	12.00
1344	ELEC-8.1.13	63 to 100 mm G.I.Nut and Bolts.	1	Set	22.00
1345	ELEC-8.1.14	50 mm 0 Gauge Nails	1	Doz	39.60
1346	ELEC-8.1.15	63 to 100 mm 0 Gauge Nails	1	Doz	66.00
1347	ELEC-8.1.16	Hard Coke	1	Kg	8.00
1348	ELEC-8.1.17	Salt	1	Kg	4.00
1349	ELEC-8.1.18	PVC Cleats 2 Way	100	Nos	300.00
1350	ELEC-8.1.19	PVC Cleats 4 Way	100	Nos	400.00
1351	ELEC-8.1.20	Binding Wire	1	No	55.00
1352	ELEC-8.1.21	PVC / Cotton Insulation tape Role (10 Mtrs)	1	No	15.00
1353	ELEC-8.1.22	C.I.Knob	1	No	12.00
1354	ELEC-8.1.23	Stay tight set (Jum bracket 300 mm)		Pair	275.00
1355	ELEC-8.1.24	Stay clamp with bolts and Nuts)		1 Set	176.00
1356	ELEC-8.1.25	L.T.Guy insulator	1	No	45.50
1357	ELEC-8.1.26	12 / 15 MS plain rod fan hook	1	No	20.00
1358	ELEC-8.1.27	19 / 20 mm Steel tube fan down rod	1	Rm	60.00
1359	ELEC-8.1.28	Consealed box PVC / MS with hook for fan	1	No	100.00
1360	ELEC-8.1.29	Coil Earthing	1	No	60.00
1361	ELEC-8.1.30	Cable root Indicators	1	No	75.00
1362	ELEC-8.1.31	40 mm x 40 mm x 6 mm angle iron with l bolt.	1	Set	220.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1363	ELEC-8.1.32	Mild Steel Items	1	Kg	55.00
1364	ELEC-8.1.33	Deleted SOR 10-11 ELEC-8.1.33			
1365	ELEC-8.1.34	Acrylic Cover of size 4" x 7" for night lamps.	1	No	15.00
1366	ELEC-8.1.35	TW / PVC Round Blocks	1	No	6.00
1367	ELEC-8.1.36	G.I.Funnel with Mesh 1/2" x 4"	1	No	75.00
1368	ELEC-8.1.37	Asbestos Sheet	1	Sqft	20.00
1369	ELEC-8.1.38	First Aid box 18" x 12" x 8"	1	No	1,000.00
1370	ELEC-8.1.39	11 KV/22 KV Hand gloves	1	No	140.00
1371	ELEC-8.1.40	Copper plate / Copper strip (Per K.G)	1	Kg	549.90
1372	ELEC-8.1.41	No. 8/10 SWG copper wire (per K.G)	1	Kg	549.90
1373	ELEC-8.1.42	PVC Insulated copper winding wire of fine quality (per K. G)	1	Kg	660.00
1374	ELEC-8.1.43	No. 14 SWG copper wire (per K. G)	1	Kg	549.90
1375	ELEC-8.1.44	Copper winding wire (per K. G)	1	Kg	637.00
1376	ELEC-8.1.45	G.I. Strip / Plate / Wire (per K. G)	1	Kg	61.60
1377	ELEC-8.1.46	Alluminum Bus bars/Strips/accessories	1	Kg	212.80
1378	ELEC-8.1.47	Alluminum winding wire	1	Kg	292.50
1379	ELEC-8.1.48	6.2 Volt series bulb (25 Nos.)	25	Nos	83.00
1380	ELEC-8.1.49	6.2 Volt series bulb with navar plate(25 Nos.)	25	Nos	88.00
1381	ELEC-8.1.50	Supply of Rotating machine	1	No	15,000.00
1382	ELEC-8.1.51	Supply and fixing of 6mm thick MS Chekered plate.	1	Kg	60.50
1383	ELEC-8.1.52	Supply and fixing of 6mm thick Alluminium Chekered plate.	1	Kg	242.00
1384	ELEC-8.1.53	Copper old winding Wire scrap for 1 Kg	1	Kg	100.00
1385	ELEC-8.1.54	Cement	1	Kg	5.60
1386	ELEC-8.1.55	Hylam Sheet	1	Sqin	0.60
1387	ELEC-8.1.56	Earth work excacvation including all soils for trench, Pole Pit and Earth Pit.	1	Cum	200.00
1388	ELEC-8.1.57	Cost of Sand	1	Cum	490.00
1389	ELEC-8.1.58	Cost of Bricks	1000	Nos	3,472.00
1390	ELEC-8.1.59	25mm Nominal Bore light grade G.I.Pipe	1	Mtr	205.00
1391	ELEC-8.1.60	25mm Nominal Bore Medium grade G.I.Pipe	1	Mtr	220.00
1392	ELEC-8.1.61	40mm Nominal Bore light grade G.I.Pipe	1	Mtr	323.00
1393	ELEC-8.1.62	40mm Nominal Bore Medium grade G.I.Pipe	1	Mtr	346.00
1394	ELEC-8.1.63	Drilling of 16 Nos through holes of 12mm dia to G.I pipe	1	No	5.00
1395	ELEC-8.1.64	G.I Nuts, Bolts an Washers each set	1	Set	10.00
1396	ELEC-8.1.65	18" dia 2" thick hume pipe ring	1	No	200.00
1397	ELEC-8.1.66	18" dia 3" hume pipe ring	1	No	250.00
1398	ELEC-8.1.67	2" thick CC cover for hume pipe ring with handle.	1	No	110.00
1399	ELEC-8.1.68	Supply of Saddle / Clamps suitable for fixing 2 Core 4 to 10 Sqmm Cable.	100	Nos	225.50
1400	ELEC-8.1.69	Supply of Saddle / Clamps suitable for fixing 4 Core 4 & 6	100	Nos	225.50

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Sqmm Cable.			
1401	ELEC-8.1.70	Supply of Saddle / Clamps suitable for fixing 4 Core 10 & 16 Sqmm Cable.	100	Nos	284.90
1402	ELEC-8.1.71	Supply of Saddle / Clamps suitable for fixing 3.5 Core 25 & 35 Sqmm Cable.	100	Nos	346.50
1403	ELEC-8.1.72	Supply of Saddle / Clamps suitable for fixing 3.5 Core 50 Sqmm Cable.	100	Nos	495.00
1404	ELEC-8.1.73	Supply of Saddle / Clamps suitable for fixing 3.5 Core 70 & 95 Sqmm Cable.	100	Nos	550.00
1405	ELEC-8.1.74	Supply of Saddle / Clamps suitable for fixing 3.5 Core 120 to 185 Sqmm Cable.	100	Nos	660.00
1406	ELEC-8.1.75	Supply of Saddle / Clamps suitable for fixing 3.5 Core 240 & 300 Sqmm Cable.	100	Nos	825.00
1407	ELEC-8.1.76	Supply of Saddle / Clamps suitable for fixing 3.5 Core 400 Sqmm Cable.	100	Nos	1,100.00
		LABOUR RATES			
1408	ELEC-8.1.77	Skilled Electrician	1	No	355.00
1409	ELEC-8.1.78	Semi Skilled Electrician / Lineman	1	No	285.00
1410	ELEC-8.1.79	Skilled Mason	1	No	315.00
1411	ELEC-8.1.80	Semi Skilled Mason	1	No	285.00
1412	ELEC-8.1.81	Skilled Welder	1	No	315.00
1413	ELEC-8.1.82	Semi Skilled Welder	1	No	285.00
1414	ELEC-8.1.83	Skilled Fitter	1	No	315.00
1415	ELEC-8.1.84	Semi Skilled Fitter	1	No	285.00
1416	ELEC-8.1.85	Helper (Electrical)	1	No	285.00
1417	ELEC-8.1.86	Skilled Carpenter	1	No	315.00
1418	ELEC-8.1.87	Semi Skilled Carpenter	1	No	285.00
1419	ELEC-8.1.88	Man Mazdoor	1	No	285.00
1420	ELEC-8.1.89	DG Set operator/Air Compressor	1	No	315.00
1421	ELEC-8.1.90	2nd Class DG Set operator/Air Com	1	No	260.00
1422	ELEC-8.1.91	Plumber (Licensed)/Pipe Fitter	1	No	315.00
1423	ELEC-8.1.92	Painter Class -2	1	No	300.00
1424	ELEC-8.1.93	Diploma Engineer / Surveyor	1	No	450.00
1425	ELEC-8.1.94	Graduate Engineer	1	No	600.00
1426	ELEC-8.1.95	ITI Certificate holder	1	No	350.00
1427	ELEC-8.1.96	Stenographer / Computer Operator	1	No	400.00
	9.1	WIRELESS FIRE ALARM SYSTEM			
1428	ELEC-9.1.1	Supply and fixing of wireless smoke detection control panel of 28 wireless zones, 2 Hard wired Zones, Tamper Alert, Pass code protected, RF jamming recognition, diagnostic feature for RF signal strength between panel and each detector, vent reporting using PSTN telephone line, dialing	1	No	44,390.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		upto 4 telephone numbers, event reporting as per users choice, LCD screen display, two way voice interaction, battery backup stand by time up to 12 hrs. (Cease Fire / Visonic / Honeywell / Secutron) Including transportation, all taxes and all labour charges etc complete.			
1429	ELEC-9.1.2	Supply and fixing of Wireless Repeater.The wireless repeater extends the communication range of detection by relaying data between receiver and remote wireless transmitter. (Cease Fire / Visonic / Honeywell / Secutron) Including transportation, all taxes and all labour charges etc complete.	1	No	10,485.00
1430	ELEC-9.1.3	Supply and fixing of Wireless Siren Strobe external wireless siren - a fully supervised power code outdoor (IP55) wireless Siren and strobe light. Designed for external installation. Wire - Free connection between control panel and siren. Convenient rapid no- mess installation. Separate fire alarm signals, 98db Piezo siren and high power strobe light. Weather resistant, IP55, 2-way communication for local and remote diagnostics. Plug-in power supply, NIMH rechargeable back-up power battery, transmits status, tamper, low- battery, supervisory and AC loss messages to the control panel, Tri- State tamper switch identifies screw manipulation removal of cover or playing from the wall.(Cease Fire / Visonic / Honeywell / Secutron) Including transportation, all taxes and all labour charges etc complete.	1	No	14,680.00
1431	ELEC-9.1.4	Supply and fixing of wireless Fully Supervised Smoke Detector, Photoelectric detection technology for superior detection sensitivity , sound and transmitted for smoke, tamper and low battery, works on power code protocol, easy programming and enrolling to the control panel, long life 9 volt alkaline or lithium battery. (Cease Fire / Visonic / Honeywell / Secutron) Including transportation, all taxes and all labour charges etc complete.	1	No	7,340.00
	9.2	ADDRESSABLE - FIRE ALARM SYSTEM			
1432	ELEC-9.2.1	Supply, Installation, testing and commissioning of wall mounting 10 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of	1	No	7,25,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 10 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Notifier / Edwards).			
1433	ELEC-9.2.2	Supply, Installation, testing and commissioning of wall mounting 10 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 10 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Siemens / Morley / Bosch).	1	No	6,75,000.00
1434	ELEC-9.2.3	Supply, Installation, testing and commissioning of wall mounting 8 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 8 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. (Makes: Notifier / Edwards).	1	No	5,25,000.00
1435	ELEC-9.2.4	Supply, Installation, testing and commissioning of wall mounting 8 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA	1	No	4,70,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 8 loop Micro processor based Fire Alarm control panel with zonal indictions and battery back up as per detailed specifications.(Makes: Siemens / Morley / Bosch).			
1436	ELEC-9.2.5	Supply, Installation, testing and commissioning of wall mounting 6 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 6 loop Micro processor based Fire Alarm control panel with zonal indictions and battery back up as per detailed specifications. (Makes: Notifier / Edwards).	1	No	4,85,000.00
1437	ELEC-9.2.6	Supply, Installation, testing and commissioning of wall mounting 6 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 6 loop Micro processor based Fire Alarm control panel with zonal indictions and battery back up as per detailed specifications. (Makes: Siemens / Morley / Bosch).	1	No	4,35,000.00
1438	ELEC-9.2.7	Supply, Installation, testing and commissioning of wall mounting 4 loop micro processor based analog addressable	1	No	3,25,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 4 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Notifier / Edwards).			
1439	ELEC-9.2.8	Supply, Installation, testing and commissioning of wall mounting 4 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 4 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Siemens / Morley / Bosch).	1	No	2,90,000.00
1440	ELEC-9.2.9	Supply, Installation, testing and commissioning of wall mounting 2 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 2 loop Micro processor based Fire Alarm control	1	No	2,75,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		panel with zonal indications and battery back up as per detailed specifications.(Makes: Notifier / Edwards).			
1441	ELEC-9.2.10	Supply, Installation, testing and commissioning of wall mounting 2 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 2 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Siemens / Morley / Bosch).	1	No	2,45,000.00
1442	ELEC-9.2.11	Supply, Installation, testing and commissioning of wall mounting 1 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 1 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Notifier / Edwards).	1	No	2,50,000.00
1443	ELEC-9.2.12	Supply, Installation, testing and commissioning of wall mounting 1 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall	1	No	2,20,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 1 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.(Makes: Siemens / Morley / Bosch).			
1444	ELEC-9.2.13	Supply, Installation, testing and commissioning of intellegent analogue addressable Repeater panel including the cost of mounting accessories complete as per specification as required.(Makes: Notifier / Edwards).	1	No	1,25,000.00
1445	ELEC-9.2.14	Supply, Installation, testing and commissioning of intellegent analogue addressable Repeater panel including the cost of mounting accessories complete as per specification as required.(Makes: Siemens / Morley / Bosch).	1	No	1,12,000.00
1446	ELEC-9.2.15	Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required including testing and commissioning.(Makes: Notifier / Edwards).	1	No	6,750.00
1447	ELEC-9.2.16	Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required including testing and commissioning.(Makes: Siemens / Morley / Bosch).	1	No	6,000.00
1448	ELEC-9.2.17	Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alaram including the cost of mounting accessories etc. complete.(Makes: Notifier / Edwards).	1	No	6,550.00
1449	ELEC-9.2.18	Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alaram including the cost of mounting accessories etc. complete.(Makes: Siemens / Morley / Bosch).	1	No	5,900.00
1450	ELEC-9.2.19	Supply and instllation of intallegent analogue addressable photo electric smoke detector including cost of base plate etc., complete as per specification with required fittings and accessories.(Makes: Notifier / Edwards).	1	No	6,700.00
1451	ELEC-9.2.20	Supply and instllation of intallegent analogue addressable photo electric smoke detector including cost of base plate etc., complete as per specification with required fittings and accessories. (Makes: Siemens / Morley / Bosch).	1	No	6,000.00
1452	ELEC-9.2.21	Supply and installation of intallegent analogue addressable rate of rise cum fixed temparature heat detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required.(Makes: Notifier / Edwards).	1	No	5,325.00
1453	ELEC-9.2.22	Supply and installation of intallegent analogue addressable	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		rate of rise cum fixed temperature heat detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required.(Makes: Siemens / Morley / Bosch).			4,800.00
1454	ELEC-9.2.23	Supply and installation of intelligent analogue addressable multi criterion detectors below false ceiling/on ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required.(Makes: Notifier / Edwards).	1	No	6,500.00
1455	ELEC-9.2.24	Supply and installation of intelligent analogue addressable multi criterion detectors below false ceiling/on ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required.(Makes: Siemens / Morley / Bosch).	1	No	5,850.00
1456	ELEC-9.2.25	Supply and Installation of Intelligent analogue addressable Control Modules including the cost of mounting accessories complete as per specifications and as required.(Makes: Notifier / Edwards).	1	No	5,500.00
1457	ELEC-9.2.26	Supply and Installation of Intelligent analogue addressable Control Modules including the cost of mounting accessories complete as per specifications and as required.(Makes: Siemens / Morley / Bosch).	1	No	4,900.00
1458	ELEC-9.2.27	Supply and Installation of Intelligent analogue addressable monitor modules including the cost of mounting accessories complete as per specifications and as required.(Makes: Notifier / Edwards).	1	No	5,500.00
1459	ELEC-9.2.28	Supply and Installation of Intelligent analogue addressable monitor modules including the cost of mounting accessories complete as per specifications and as required.(Makes: Siemens / Morley / Bosch).	1	No	4,900.00
1460	ELEC-9.2.29	Supply and Installation of Intelligent analogue addressable fault isolator modules including the cost of mounting accessories complete as per specifications and complete as required.(Makes: Notifier / Edwards).	1	No	4,500.00
1461	ELEC-9.2.30	Supply and Installation of Intelligent analogue addressable fault isolator modules including the cost of mounting accessories complete as per specifications and complete as required.(Makes: Siemens / Morley / Bosch).	1	No	4,000.00
	9.3	CONVENTIONAL - FIRE ALARM SYSTEM			
1462	ELEC-9.3.1	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 2 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: System Sensor / Ravel / Pinnacle)	1	No	7,500.00
1463	ELEC-9.3.2	Supply, Installation, testing and commissioning of	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		conventional Micro processor based Fire Alarm panel with 4 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: System Censor / Ravel / Pinnacle)			9,000.00
1464	ELEC-9.3.3	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 6 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: System Censor / Ravel / Pinnacle)	1	No	12,500.00
1465	ELEC-9.3.4	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 8 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: System Censor / Ravel / Pinnacle)	1	No	14,500.00
1466	ELEC-9.3.5	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 10 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: System Censor / Ravel / Pinnacle)	1	No	18,500.00
1467	ELEC-9.3.6	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 12 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: System Censor / Ravel / Pinnacle)	1	No	20,500.00
1468	ELEC-9.3.7	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 14 zone, 12V SMF batteries etc., complete with all standard accessories. (Makes: System Censor / Ravel / Pinnacle)	1	No	25,000.00
1469	ELEC-9.3.8	Supply and installation of Repeater panel including the cost of mounting accessories complete as per specifications and as required.(Makes: System Censor / Ravel / Pinnacle)	1	No	12,500.00
1470	ELEC-9.3.9	Supply and installation of duel tone electronic hooter of 85dB including the cost of mounting accessories complete as per specifications and as required.	1	No	675.00
1471	ELEC-9.3.10	Supply and installation of dust and vermin proof manual call point to initiate audio visual alarm including the cost of mounting accessories complete as per specifications and as required.	1	No	650.00
1472	ELEC-9.3.11	Supply and installation of response indicators for above false ceiling detectors.	1	No	150.00
1473	ELEC-9.3.12	Supply and installation of plug - in type multi criterion detectors including the cost of base plate. 75mm dia M.S. outlet box for fixing of the detector base. Mounting accessories etc., complete as per specifications as required.(Makes: System Censor / Ravel / Pinnacle)	1	No	1,800.00
1474	ELEC-9.3.13	Supply and installation of plug -in type photo electric smoke detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base. Mounting accessories etc complete and as per specifications and as required.(Makes: System Censor / Ravel / Pinnacle)	1	No	1,750.00
1475	ELEC-9.3.14	Supply and installation of plug -in type rate of rise cum fixed temperature heat detectors including the cost of base	1	No	1,700.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required.(Makes: System Censor / Ravel / Pinnacle)			
	9.4	FIRE EXTINGUISHERS			
1476	ELEC-9.4.1	Supply and fixing of ABC stored pressure squeeze grip type fire extinguishers, 10 kg capacity , ISI CE marked Is:13849 filled with ABC Mono Ammonium Phosphate base powder-90 pressurized with dry Nitrogen Gas at 15 Kg / sqcm complete with discharge hose and wall mounting bracket, Insta Alert facility, 2mm Mild Steel, EPDM Rubbers, Pressure Guage, which work effectively on all class of fires (A, B, C & Electrical fires) with 5 years warranty (Cease Fire / Minimax make) Including transportation, all taxes and all labour charges etc complete.	1	No	9,483.00
1477	ELEC-9.4.2	Supply and fixing of ABC stored pressure squeeze grip type fire extinguishers, 10 kg capacity , ISI CE marked Is:13849 filled with ABC Mono Ammonium Phosphate base powder-50 pressurized with dry Nitrogen Gas at 15 Kg / sqcm complete with discharge hose and wall mounting bracket, 2mm Mild Steel, EPDM Rubbers, Pressure Guage, which work effectively on all class of fires (A, B, C & Electrical fires) with 2 years warranty (Safex / Kenex / Bharat / Reliance make) Including transportation, all taxes and all labour charges etc complete.	1	No	6,730.00
1478	ELEC-9.4.3	Supply and fixing of ISI make ABC Power MAP 5 Kg Fire extinguisher Mono ammonium phosphate power 90, stored pressure type, pressure gauge gross wt. 8 kg, empty wt.3 kg, can Ht.449mm, Diameter 150mm, Discharge time less than 15 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fires, A- rating 144A, B-rating 89B, can construction: Deep drawn Co2 mig welding, wall construction: Forging & Machining, internal coating of can: Epoxy power coating, External coating of Can:Epoxy polyster powder coating, sheet metal thickness:1.80mm, Helium leakage detection tested, insta - alert, ISI & EN approved with 5 years warranty (Cease Fire / Minimax make) Including transportation, all taxes and all labour charges etc complete.	1	No	6,485.00
1479	ELEC-9.4.4	Supply and fixing of ISI make ABC Power MAP 5 Kg Fire extinguisher Mono ammonium phosphate power 90, stored pressure type, pressure gauge gross wt. 8 kg, empty wt.3 kg, can Ht.449mm, Diameter 150mm, Discharge time less than 15 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fires, A- rating 144A, B-rating 89B, can construction: Deep drawn	1	No	4,190.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Co2 mig welding, wall construction: Forging & Machining, internal coating of can: Epoxy power coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.80mm, Helium leakage detection tested, ISI & EN approved with 2 years warranty (Safex / Kenex / Bharat / Reliance make) Including transportation, all taxes and all labour charges etc complete.			
1480	ELEC-9.4.5	Supply and fixing of ISI make ABC Power MAP 2 Kg Fire extinguisher Mono ammonium phosphate power 90, stored pressure type, pressure gauge gross wt. 8 kg, empty wt.3 kg, can Ht.449mm, Diameter 150mm, Discharge time less than 15 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C electrically started fires, A- rating 144A, B-rating 89B, can construction: Deep drawn Co2 mig welding, wall construction: Forging & Machining, internal coating of can: Epoxy power coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.80mm, Helium leakage detection tested, insta - alert, ISI & EN approved with 5 years warranty (Cease Fire / Minimax make) Including transportation, all taxes and all labour charges etc complete.	1	No	4,360.00
1481	ELEC-9.4.6	Supply and fixing of ISI make ABC Power MAP 2 Kg Fire extinguisher Mono ammonium phosphate power 50, stored pressure type, pressure gauge gross wt. 8 kg, empty wt.3 kg, can Ht.449mm, Diameter 150mm, Discharge time less than 15 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C electrically started fires, A- rating 144A, B-rating 89B, can construction: Deep drawn Co2 mig welding, wall construction: Forging & Machining, internal coating of can: Epoxy power coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.80mm, Helium leakage detection tested, ISI & EN approved with 2 years warranty (Safex / Kenex / Bharat / Reliance make) Including transportation, all taxes and all labour charges etc complete.	1	No	2,834.00
1482	ELEC-9.4.7	Supply and fixing of ISI make Ceiling Mounted ABC MAP 90, 5 Kg stored pressure type , pressure gauge, Gross Wt.7.7 kg, Empty Wt.2.7 kg, Can Ht226mm , Dia 230mm, Discharge time : less than 8 sec, Auto discharge mechanism on temperature rise, Applicable on A,B,C, & Electrically - started fires, Can Construction: Forging & Machining, Internal coating of Can: Epoxy Power coating, External Coating of Can: Epoxy Polyester powder coating, sheet metal thickness:1.80mm , Helium leakage detection tested, Insta - alert, ISI & EN approved with 5 years warranty (Cease Fire / Minimax make) Including transportation, all taxes and all	1	No	6,973.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		labour charges etc complete.			
1483	ELEC-9.4.8	Supply and fixing of ISI make Ceiling Mounted ABC MAP 50, 5 Kg stored pressure type, pressure gauge, Gross Wt.7.7 kg, Empty Wt.2.7 kg, Can Ht226mm , Dia 230mm, Discharge time : less than 8 sec, Auto discharge mechanism on temperature rise, Applicable on A,B,C, & Electrically - started fires, Can Construction: Forging & Machining, Internal coating of Can: Epoxy Power coating, External Coating of Can: Epoxy Polyester powder coating, sheet metal thickness:1.80mm , Helium leakage detection tested, ISI & EN approved with 2 years warranty (Safex / Kenex / Bharat / Reliance make) Including transportation, all taxes and all labour charges etc complete.	1	No	5,620.00
1484	ELEC-9.4.9	Supply and fixing of 2 Kg Fire extinguisher Clean Agent HFC 236, Zero ODP, Stored pressure type, pressure guage, gross weight 3.6Kg empty weight 1.6 Kg, can weight 341mm, Diameter 108mm, discharge time minimum 6 secs, controllable discharge mechanism, range minimum 2 meters, applicable on class A,B,C and electrically started Fire, A rating 5A, B rating 34B, can construction: Deep drawn & CO2 mig welded, Valve construction: Forging & Machining, Internal coating of Can: Epoxy powder coating, External coating of can: Epoxy polyester powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty. (Makes: Ceasefire / Minimax)	1	No	14,600.00
1485	ELEC-9.4.10	Supply and fixing of 4 Kg Fire extinguisher Clean Agent HFC 236, Zero ODP, Stored pressure type, pressure guage, gross weight 6.9Kg empty weight 2.9 Kg, can weight 435mm, Diameter 140mm, discharge time minimum 9 secs, controllable discharge mechanism, range minimum 4 meters, applicable on class A,B,C and electrically started Fire, A rating 8A, B rating 55B, can construction: Deep drawn & CO2 mig welded, Valve construction: Forging & Machining, Internal coating of Can: Epoxy powder coating, External coating of can: Epoxy polyester powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty. (Makes: Ceasefire / Minimax)	1	No	25,700.00
1486	ELEC-9.4.11	Supply and fixing of Co2 type Fire Extinguishers 4.5 Kg capacity confirming to IS 2878 made from ISI marked steam less cylinder confirming to IS:7285 & CE certified and fitted with ISI marked controlled valve confirming to IS:3224, high pressure 1 Mtr discharge hose & horn complete with initial gas charged with carrying handle with wheels and wall mounting bracket. Squeeze lever discharge, used un-used indicator, Aphoxy coated paint (Red) with 93% gloss with 2 years warranty (Cease Fire / Minimax make) Including transportation, all taxes and all labour charges etc	1	No	10,485.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		complete.			
1487	ELEC-9.4.12	Supply and fixing of Co2 type Fire Extinguishers 4.5 Kg capacity confirming to IS 2878 made from ISI marked steam less cylinder confirming to IS:7285 & CE certified and fitted with ISI marked controlled valve confirming to IS:3224, high pressure 1 Mtr discharge hose & horn complete with initial gas charged with carrying handle with wheels and wall mounting bracket. Squeeze lever discharge, used unused indicator, Aphoxy coated paint (Red) with 93% gloss with 2 years warranty (Safex / Kenex / Bharat / Reliance make) Including transportation, all taxes and all labour charges etc complete.	1	No	7,860.00
1488	ELEC-9.4.13	Supply and fixing of DCP powder type cylindrical shape fire extinguisher 2 Kg with fixing hangers, hose, brackets, screws to required size etc., complete as per IS:13849 - wall mounted type. (Makes:Minimax / Safex / Kenex / Reliance)	1	No	2,100.00
1489	ELEC-9.4.14	Supply and fixing of DCP powder type cylindrical shape fire extinguisher 5 Kg with fixing hangers, hose, brackets, screws to required size etc., complete as per IS:13849 - wall mounted type. (Makes:Minimax / Safex / Kenex / Reliance)	1	No	3,100.00
1490	ELEC-9.4.15	Supply and fixing of DCP powder type cylindrical shape fire extinguisher 10 Kg with fixing hangers, hose, brackets, screws to required size etc., complete as per IS:13849 - wall mounted type. (Makes:Minimax / Safex / Kenex / Reliance)	1	No	4,100.00
1491	ELEC-9.4.16	Supply and fixing of Escape signage boards in Rigid Photo luminecent based glow in Dark rigid sheet with high intensity luminous properties with specificaiton of Cease Fire or its equivalent make Model-1ES01	1	No	1,300.00
1492	ELEC-9.4.17	Supply and fixing of Cease fire or its equivalent Escape gear Mild Steel box size 425mmx360mmx140mm Epoxy powder coated to protect it from Weathering , smoke hood tested to Eupropean Standard EN 403 1993-S known to reduce Carbon Monoxide, propend(acrloein), hydrogen chloride, hydrogen Cyanide and Solid and liquid toxic particles to manageable level for atleast 15 minutes shall with stand tempeartures upto 80 degrees single use only Fire Blanket size 1.2m x1.8m used to cover any vessel containing used to Extinguish a clothing fire wrap blanket around the victim.	1	No	15,800.00
1493	ELEC-9.4.18	Supply and fixing of 4Nos of 9 Ltrs capacity round bottom sand buckets along with bucket sand, Fire buckets with round bottom type enamel painted, white inside & red out side and letter FIRE inblack out side & Handle with mounting bracket.	1	Set	1,200.00
1494	ELEC-9.4.19	Supply anmd fixing of Fire bucket stand fabricated by M.S. angles to install for two numbers of buckets as per local fire officers standards.	1	Set	1,000.00
	9.5	FIRE HYDRANT AND SPRINKLER SYSTEM			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1495		Deleted SOR 11-12 ELEC-9.5.1			
1496	ELEC-9.5.1	Supplying, installation, testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following complete in all respect as required	1	Set	3,54,000.00
		a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 1620 lpm at 56 Mtr. head conforming to IS 1520			
		b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar			
1497		Deleted SOR 11-12 ELEC-9.5.2			
1498	ELEC-9.5.2	Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	3,90,000.00
		a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 2280 lpm at 70 Mtr. head conforming to IS 1520			
		b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar			
1499		Deleted SOR 11-12 ELEC-9.5.3			
1500	ELEC-9.5.3	Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all	1	Set	4,46,400.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		respect as required.			
		a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 2850 lpm at 70 Mtr. head conforming to IS 1520			
		b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar			
1501		Deleted SOR 11-12 ELEC-9.5.4			
1502	ELEC-9.5.4	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	4,68,000.00
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 1620 lpm at 56 Mtr head conforming to IS 1520			
		b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick alluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt			
1503		Deleted SOR 11-12 ELEC-9.5.5			
1504	ELEC-9.5.5	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all	1	Set	6,78,000.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		respect as required			
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 2280 lpm at 70 Mtr head conforming to IS 1520			
		b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick aluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt			
1505		Deleted SOR 11-12 ELEC-9.5.6			
1506	ELEC-9.5.6	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	7,62,000.00
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 2850 lpm at 70 Mtr head conforming to IS 1520			
		b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick aluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins.			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Makes of Pumps : Kirloskar / Mather&Platt			
1507	ELEC-9.5.7	Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	2,68,750.00
		a) End suction back pull out centrifugal pump, Std fitted with BRONZE IMPELLER & gland packing ,capacity 171 Cum/hr (2850 LPM) at total head 70 M at operating speed 2900 rpm. Pump duty as per TAC			
		b) 55 KW / 75 HP, 3000 srpm, TEFC (IP55) horizontal foot mounted, squirrel cage induction motor, suitable for 415 volts +/- 10%, 3 Ph, 50 Hz +/-5%, a.c.supply. Class 'F' insulated and suitable for ambient temperature up to 50 deg C. Motor in frame SC 250 M frame for driving above pump.			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar			
1508	ELEC-9.5.8	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	5,56,250.00
		a) End suction back pull out pump, Std fitted with BRONZE Impeller & gland packing, capable of delivering 171 Cum/hr(2850 LPM) at a total head of 70 M when operated at 1800 rpm and pump duty as per TAC			
		b) Liquid cooled, 85 BHP at 1800 rpm, diesel engine (Radiator cooled) 12 Volts starting system with standard accessories			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt			
1509	ELEC-9.5.9	Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	2,18,750.00
		a) End suction back pull out centrifugal pump, Std fitted with BRONZE IMPELLER & gland packing ,capacity 137 Cum/hr (2280 LPM) at total head 70 mwc at operating speed 2900 rpm. Pump duty as per TAC			
		b) 45 KW / 60 HP, 3000 srpm, TEFC (IP55) Horizontal foot			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		mounted, squirrel cage induction motor, suitable for 415 volts +/- 10%, 3 Ph, 50 Hz +/-5%, a.c.supply. Class 'F' insulated and suitable for ambient temperature up to 50 deg C. Motor in frame SC 225 M frame			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar			
1510	ELEC-9.5.10	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	4,43,750.00
		a) End suction back pull out pump, Std fitted with BRONZE Impeller & gland packing, capable of delivering 137 Cum/hr(2280 LPM) at a total head of 70 M when operated at 2150 rpm and pump duty as per TAC			
		b) Liquid cooled, 68 BHP at 1800 rpm, Diesel engine (Radiator cooled) 12 Volts starting system with standard accessories			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt			
1511	ELEC-9.5.11	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	1,61,250.00
		a) End suction back pull out centrifugal pump, Std fitted with BRONZE IMPELLER & gland packing ,capacity 97 Cum/hr (1620 LPM) at total head 56 mwc at operating speed 2900 rpm. Pump duty as per TAC			
		b) 30 KW / 40 HP, 3000 srpm, TEFC (IP55) horizontal foot mounted, squirrel cage induction motor, suitable for 415 volts +/- 10%, 3 Ph, 50 Hz +/-5%, a.c.supply. Class 'F' insulated and suitable for ambient temperature up to 50 deg C. Motor in frame SC 250 M frame for driving above pump.			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1512	ELEC-9.5.12	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	3,87,500.00
		a) End suction back pull out pump, Std fitted with BRONZE Impeller & gland packing, capable of delivering 97 Cum/hr(1620 LPM) at a total head of 56 M when operated at 2150 rpm and pump duty as per TAC			
		b) Liquid cooled, 50 BHP at 1800 rpm, Diesel engine (Radiator cooled) 12 Volts starting system with standard accessories			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt			
1513		Deleted SOR 11-12 ELEC-9.5.7			
1514	ELEC-9.5.13	Supplying , installation , testing and commissioning of electric driven pressurisation / Jockey pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	55,000.00
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 180 lpm at 56 Mtr head conforming to IS 1520			
		b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar			
1515	ELEC-9.5.14	Supplying , installation , testing and commissioning of electric driven pressurisation / Jockey pump suitable for automatic operation and consisting of following : complete in all respect as required	1	Set	77,860.00
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 180 lpm at 70 Mtr head conforming to IS 1520			
		b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar			
1516		Deleted SOR 11-12 ELEC-9.5.9			
1517	ELEC-9.5.15	Supplying , installation , testing and commissioning of electric driven Terrace / Booster pump suitable for automatic operation and consisting of following : complete in all respect as required.	1	Set	62,450.00
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 900 lpm at 45 Mtr head conforming to IS 1520			
		b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens / ABB / Kirloskar			
1518	ELEC-9.5.16	Supplying , installation , testing and commissioning of electric driven Terrace / Mono Bloc Booster pump suitable for automatic operation and consisting of following : complete in all respect as required.	1	Set	48,400.00
		a) Horizontal type, centrifugal End Suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 900 lpm at 45 Mtr head conforming to IS 1520			
		b) Three Phase High Speed Centrifugal Pump. Pump with CI Impeller and Gland Packing with 9.3 KW / 12.5HP, 2 pole, TEFC, 415 V, 3ph motor			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : Kirloskar			
1519	ELEC-9.5.17	Supplying , installation , testing and commissioning of electric driven Terrace / Mono Bloc Booster pump suitable for automatic operation and consisting of following : complete in all respect as required.	1	Set	46,245.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		a) Horizontal type, centrifugal End Suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 750 lpm at 35 Mtr head conforming to IS 1520			
		b) Three Phase High Speed Centrifugal Pump. Pump with CI Impeller and Gland Packing with 7.5 KW / 10 HP, 2 pole, TEFC, 415 V, 3ph motor			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : Kirloskar			
1520	ELEC-9.5.18	Supplying , installation , testing and commissioning of electric driven Terrace / Mono Bloc Booster pump suitable for automatic operation and consisting of following : complete in all respect as required.	1	Set	42,542.00
		a) Horizontal type, centrifugal End Suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 450 lpm at 35 Mtr head conforming to IS 1520			
		b) Three Phase High Speed Centrifugal Pump. Pump with CI Impeller and Gland Packing with 5 KW / 7.5 HP, 2 pole, TEFC, 415 V, 3ph motor			
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.			
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : Kirloskar			
1521		Providing , laying, testing & Commissioning of following classes MS pipes conforming to IS 3589 and 1239 including fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc., complete. Makes: - Jindal / Hissar / Tata pipes			
	ELEC-9.5.19	(a) 250 mm dia	1	Mtr	3,245.00
	ELEC-9.5.20	(a) 200 mm dia 'C' Class	1	Mtr	3,210.00
	ELEC-9.5.21	(b) 200 mm dia 'B' Class	1	Mtr	2,800.00
	ELEC-9.5.22	(c) 150 mm dia 'C' Class	1	Mtr	2,400.00
	ELEC-9.5.23	(d) 150 mm dia 'B' Class	1	Mtr	1,930.00
	ELEC-9.5.24	(e) 100 mm dia 'C' Class	1	Mtr	1,515.00
	ELEC-9.5.25	(f) 100 mm dia 'B' Class	1	Mtr	1,275.00
	ELEC-9.5.26	(g) 80 mm dia 'C' Class	1	Mtr	1,000.00
	ELEC-9.5.27	(h) 80 mm dia 'B' Class	1	Mtr	895.00
	ELEC-9.5.28	(i) 65 mm dia 'C' Class	1	Mtr	750.00
	ELEC-9.5.29	(j) 65 mm dia 'B' Class	1	Mtr	675.00
	ELEC-9.5.30	(k) 50 mm dia 'C' Class	1	Mtr	600.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
	ELEC-9.5.31	(l) 50 mm dia 'B' Class	1	Mtr	530.00
	ELEC-9.5.32	(h) 40 mm dia	1	Mtr	512.00
	ELEC-9.5.33	(m) 32 mm dia 'C' Class	1	Mtr	400.00
	ELEC-9.5.34	(n) 32 mm dia 'B' Class	1	Mtr	330.00
	ELEC-9.5.35	(o) 25 mm dia 'C' Class	1	Mtr	300.00
	ELEC-9.5.36	(p) 25 mm dia 'B' Class	1	Mtr	270.00
1522	ELEC-9.5.37	Supplying and fixing single headed Internal / External hydrant valve with instantaneous Gun metal couplings of 63mm dia with Cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gun Metal cap and chain as required. Makes:Audco / Kirloskar / BDK /H Shankar/ Leader/ Zolotto / Intervolve.	1	No	8,125.00
1523		Supplying, fixing, testing and commissioning of butterfly valve PN 1.6, with Bronze / Gun metal seat duly ISI marked complete with Nuts, Bolts, Washers, gaskets, conforming to IS 13095 of following sizes as required. Makes:Audco / Kirloskar / BDK /H Shankar/ Leader/ Zolotto / Intervolve.			
	ELEC-9.5.38	(a) 250 mm . dia	1	No	12,525.00
	ELEC-9.5.39	(a) 200 mm . dia	1	No	5,300.00
	ELEC-9.5.40	(b) 150 mm dia	1	No	4,350.00
	ELEC-9.5.41	(c) 100 mm dia	1	No	3,400.00
	ELEC-9.5.42	(d) 80 mm dia	1	No	3,100.00
1524		Providing, installation, testing and commissioning of dual plate non - return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts , nuts, washers etc as required Makes:Audco / Kirloskar / BDK / H Shankar / Leader / Zolotto / Intervolve.			
	ELEC-9.5.43	(a) 200 mm dia	1	No	5,000.00
	ELEC-9.5.44	(b) 150 mm dia	1	No	4,000.00
	ELEC-9.5.45	(c) 100 mm dia	1	No	3,725.00
	ELEC-9.5.46	(d) 80 mm dia	1	No	3,500.00
	ELEC-9.5.47	(f) 50 mm dia	1	No	1,723.00
1525		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 Makes:Audco / Kirloskar / BDK /H Shankar/ Leader/ Zolotto / Intervolve.			as per pg no 360, SSR
	ELEC-9.5.48	(a) 250 mm . dia	1	No	17,007.00
	ELEC-9.5.49	(b) 200 mm . dia	1	No	11,849.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
	ELEC-9.5.50	(c) 150 mm dia	1	No	7,631.00
	ELEC-9.5.51	(d) 100 mm dia	1	No	5,088.00
	ELEC-9.5.52	(e) 80 mm dia	1	No	3,812.00
	ELEC-9.5.53	(f) 50 mm dia	1	No	3,067.00
1526		Providing, installation, testing and commissioning of gun metal valves of following sizes as required. Make: Newage/ Winco/ Padmini			
	ELEC-9.5.54	(a) 50 mm dia	1	No	1,750.00
	ELEC-9.5.55	(b) 40 mm dia	1	No	1,400.00
	ELEC-9.5.56	(c) 32 mm dia	1	No	1,250.00
		Deleted SOR 11-12 ELEC-2.2.7			
1527	ELEC-9.5.57	Supplying and fixing 63mm dia, 15 mtr long RRL hose pipe with 63mm dia Male and Female Gun metal / SS couplings duly binded with GI wire, rivets etc conforming to IS 636 (Type -A) as required. Make: Newage/ Winco/ Padmini	1	No	6,140.00
1528	ELEC-9.5.58	Supplying and fixing 63mm dia, 15 mtr long CP hose pipe with 63mm dia Male and Female Gun metal / SS couplings duly binded with GI wire, rivets etc conforming to IS 636 (Type -A) as required. Make: Newage/ Winco/ Padmini	1	No	5,510.00
1529	ELEC-9.5.59	Supplying and fixing First -Aid Hose Reel with MS construction spray painted in Post office Red, Conforming to Is 884 with upto date amendments, complete with the following as required.	1	No	7,500.00
		a) 36.6 Mtr Long 20mm (Nominal internal) dia water hose Thermoplastic / Textile reinforced / Rubber braided / Polypropylene Type - 2 as per IS:12585 Make: Eversafe/ Reliance/ Newage/ SRI			
		b) 20mm (Nominal internal) dia gun metal globe valve and nozzle. Make: Newage/ Winco/ Padmini			
		c) Drum and brackets for fixing the equipments on wall.			
		d) Connections from riser with 25mm dia stop valve (gun metal) & MS pipe.			
1530		Deleted SOR 11-12 ELEC-9.5.40			
1531	ELEC-9.5.60	Supplying and fixing of hose cabinet of size 750mm X 600mm x 250mm made of No 16 gauge SWG CRCA sheet with 6mm thick glazed glass door including necessary locking arrangement suitable to accommodate 2 Nos 15 mtr long Hose pipe, 1 No branch pipe, mounted on wall OR raised brick platform and duly painted with Post office red externally and white internally with synthetic enamel paint complete in all respect, for external hydrant as required.	1	No	3,250.00
1532	ELEC-9.5.61	Supply and fixing 63mm dia Gun metal branch pipe with	1	No	

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		20mm (Nominal internal diameter) size Gun metal / SS nozzle conforming to IS 903, suitable for instantaneous connection to interconnect hose pipe coupling as required. Make: Newage/ Winco/ Padmini			2,530.00
1533	ELEC-9.5.62	Supply and fixing 4 way fire brigade connection of cast iron body with 4 Nos Gun metal Male instantaneous inlet couplings complete with cap and chain as required for 150mm dia MS pipe connection, conforming to IS 904 as required.	1	No	9,100.00
1534		Deleted SOR 11-12 ELEC-9.5.43			
1535	ELEC-9.5.63	Supply and fixing 2 way fire brigade connection of cast iron body with 2 Nos Gun metal Male instantaneous inlet couplings complete with cap and chain as required for 100mm dia MS pipe connection, conforming to IS 904 as required.	1	No	6,900.00
1536	ELEC-9.5.64	Supply and fixing air vessel made of 250 mm dia, 8 mm thick MS sheet, 1200mm in height with air release valve on top and flanged connection to riser, drain arrangement with 25mm dia Gun metal wheel valve, with required accessories, pressure gauge and painting with synthetic enamel paint of approved shade as required.	1	No	16,000.00
1537	ELEC-9.5.65	Providing fixing, testing and commissioning of 15mm size quartzoid bulb type sprinklers of rating 68° C. pendent / side wall with required accessories. Makes: HD / TYCO / VIKING / NEWAGE/ SHARP	1	No	490.00
1538	ELEC-9.5.66	Providing and fixing of Pressure Switch in the MS pipe Line including connection etc as required. Make : Danfoss / Indfoss / Approved makes	1	No	2,500.00
1539	ELEC-9.5.67	Providing and fixing Flow Switches in 100mm dia MS pipe. Makes : System Sensor / Switzer / Approved makes	1	No	5,375.00
1540	ELEC-9.5.68	Providing and fixing Flow Switches in 150 mm dia MS pipe. Makes : System Sensor / Switzer / Approved makes	1	No	7,500.00
1541	ELEC-9.5.69	Supply, installation, testing and commissioning of Bourden type, stainless steel dial type pressure gauge with isolation valve and pipe having calibration of 0-16 kg/cm2. MAKE: HGURU/FIEBIG and Approved makes	1	No	675.00
1542	ELEC-9.5.70	Supply, installation, testing and commissioning of 25mm dia Gate valve Makes : Zoloto / Leader / Approved makes	1	No	1,175.00
1543	ELEC-9.5.71	Supply, installation, testing and commissioning of 25mm dia Ball valve Makes : Zoloto / Leader / Approved makes	1	No	650.00
1544	ELEC-9.5.72	Supply, installation, testing and commissioning of 25 / 20mm dia Air Release Valve	1	No	1,250.00
1545	ELEC-9.5.73	Providing, fixing, testing, commissioning of installation control valve of Cast iron body and brass / Bronze working parts comprising of water, motor alarm, bronze seat	1	No	9,500.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		clapper, and clapper arm, hydraulically driven mechanical gong bell to sound continuous alarm when the Wet riser / Sprinkler system activates, pressure gauges, emergency releases, strainer, pressure switch, cock valve complete with drain valve and bypass , test control box, ball valves, Ms pipe of required size, flanges, orifice plate, gasket etc of size 150mm dia as required. Makes : HD / TYCO / NEWAGE			
1546		Supplying, installing, testing and commissioning approved make CI body Foot Valve with brass strainer with necessary flanges, nuts and bolts etc., complete on to the suction line. Rate as per the lowest quotation of Bharat Fire Safety Engineers. Makes: Normex & approved makes			
	ELEC-9.5.74	a) 200mm nominal dia	1	Ea	24,790.00
	ELEC-9.5.75	b) 150mm nominal dia	1	Ea	13,280.00
	ELEC-9.5.76	c) 100mm nominal dia	1	Ea	7,450.00
	ELEC-9.5.77	d) 80mm nominal dia	1	Ea	5,100.00
1547	ELEC-9.5.78	Supply and laying of 300mm dia NP2 RCC Hume pipe with Collars for Road crossings	AS per Civil SSR		
1548		Supplying and wrapping the anticorrosive material for buried pipes with coating of Primer and wrapping with 4 mm thick polymer corrosion resistant tape as per IS : 10221 with 15 mm overlap as per specifications.			
	ELEC-9.5.79	a) 150mm nominal dia	1	Mts	45.00
	ELEC-9.5.80	b) 100mm nominal dia	1	Mts	40.00
	ELEC-9.5.81	c) 80mm nominal dia	1	Mts	30.00
1549	ELEC-9.5.82	Supply, fabricating , installing structural steel supports for fixing all sizes of MS pipes from ceiling / wall with MS Channels, Angles, Flats, Rods, as required at site with anchor fasteners, Clamps, threaded rods, nuts, bolts, washers etc complete with painting.	1	Kg	60.00
1550		Deleted SOR 11-12 ELEC-9.5.53			
1551		Deleted SOR 11-12 ELEC-9.5.54			
1552		Deleted SOR 11-12 ELEC-9.5.55			
1553		Deleted SOR 11-12 ELEC-9.5.56			
1554		Deleted SOR 11-12 ELEC-9.5.57			
1555		Deleted SOR 11-12 ELEC-9.5.58			
1556		Deleted SOR 11-12 ELEC-9.5.59			
1557		Deleted SOR 11-12 ELEC-9.5.60			
1558		Deleted SOR 11-12 ELEC-9.5.61			
1559	ELEC-9.5.83	Supply of 2 Core x 1.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete of make Universal / CCI / Unicab / Polycab / Finolex / KEI /	1	Mtr	85.80

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		Havells.			
1560	ELEC-9.5.84	Supply of 4 Core x 1.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete of make Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells.	1	Mtr	110.00
1561	ELEC-9.5.85	Supply of 4 Core x 2.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete of make Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells.	1	Mtr	150.00
1562	ELEC-9.5.86	Supply of 8 Core x 2.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete of make Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells.	1	Mtr	252.00
1563	ELEC-9.5.87	Supply of 10 Core x 1.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete of make Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells.	1	Mtr	214.00
	10.1	GENERATORS SPECIFICATION			
1564		Supply, Transportation, erection and commissioning (Excluding Foundation) of 3 Phase, 415, 50Hz, water cooled multi cylinder diesel generator set with alternator of - - - KVA/ - - - - KW out put contineous rating directly coupled Engine and Alternator with guard and mounted on a common base plate of Robust construction and complete without control panel having IP-52 protection, Acoustic Enclosure as per CPCB norms , sound absorbing material, t to restrict sound level up to 75 dB up to 1 mtr distance and as per CPCB norms etc as per following specifications mentioned below.			
		A. Alternator : Kirloskar / Stamford / Crompton Greaves / Leroy Somer make. The alternator of the output rating shall be 3 Phase, 415V, 50Hz, Ac , 0.8 P.F. lagging at 1500 RPM. The alternator is self excited, self regulated, and shall confirm to IS: 13364 of 1992 with regulation of +5% from no load to full load. degree of protections shall be IP23.			
		B.Diesel Engine : Kirloskar / Cummins / Mahindra & Mahindra Diesel Engine start, developing suitable ----- - BHP output at 1500 RPM with mechanical / electronic governing so as to enable the alternator to give - - - -KVA continuous output at 0.8 P.F. lagging at NTP conditions. The diesel engine shall be capable of providing 10% O/L for 1 Hr for every 11 Hrs of continuous running at full load. The engine with 1st filling of oil and Diesel etc. 01. Exhaust pipe of required size and length with insulation or clading. 02. Diesel tank suitable for 8 to 12 Hours running capacity.			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		03. Residential Silencer. 04. SMF Batteries with leads as per the Manufacturer standards			
		Deleted SOR 11-12 ELEC-10.1.1			
	ELEC-10.1.1	15KVA, 3 Phase, 415, 50Hz, 19BHP, water cooled multi cylinder diesel generator set with alternator of 15 KVA out put continous rating at 0.8 p.f, Batteries .	1	No	3,50,000.00
		Deleted SOR 11-12 ELEC-10.1.3			
		Deleted SOR 11-12 ELEC-10.1.4			
		Deleted SOR 11-12 ELEC-10.1.5			
	ELEC-10.1.2	30KVA, 3 Phase, 415, 50Hz, 40 to 42 BHP, water cooled multi cylinder diesel generator set with alternator of 30KVA out put continous rating at 0.8 p.f, Batteries.	1	No	4,50,000.00
	ELEC-10.1.3	40KVA, 3 Phase, 415, 50Hz, 56BHP, water cooled multi cylinder diesel generator set with alternator of 40 KVA out put continous rating at 0.8 p.f, and Batteries .	1	No	5,60,000.00
1565		Supply, Transportation, erection and commissioning (Excluding Foundation) of 3 Phase, 415, 50Hz, water cooled multi cylinder diesel generator set with alternator of - - - KVA/ - - - - KW out put contineous rating directly coupled Engine and Alternator with guard and mounted on a common base plate of Robust construction and complete without control panel having IP-52 protection, Acoustic Enclosure as per CPCB norms , sound absorbing material, t to restrict sound level up to 75 dB up to 1 mtr distance and as per CPCB norms etc as per following specifications mentioned below.			
		A. Alternator : Kirloskar / Stamford / Crompton Greaves / Leroy Somer make. The alternator of the output rating shall be 3 Phase, 415V, 50Hz, Ac , 0.8 P.F. lagging at 1500 RPM. The alternator is self excited, self regulated, and shall confirm to IS: 13364 of 1992 with regulation of +5% from no load to full load. degree of protections shall be IP21.			
		B.Diesel Engine : Kirloskar / Cummins / Mahindra & Mahindra Diesel Engine start, developing suitable ----- - BHP output at 1500 RPM with mechanical / electronic governing so as to enable the alternator to give - - - -KVA continuous output at 0.8 P.F. lagging at NTP conditions. The diesel engine shall be capable of providing 10% O/L for 1 Hr for every 11 Hrs of continuous running at full load. The engine with 1st filling of oil and Diesel etc. 01. Exhaust pipe of required size and length with insulation or clading. 02. Diesel tank suitable for 8 to 12 Hours running capacity. 03. Residential Silencer. 04. SMF Batteries with leads as per the Manufacturer			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		standards			
		<p>C. AMF Control Panel:- AMF control panel shall be fabricated with 16SWG CRCA sheet shall be totally enclosed with dust and Vermin proof, floor mounted / wall mounted type and shall be comprising the following.</p> <p>01. Voltmeter with selector switch. 02. 4 Pole MCCB incomer of -----A rating of Schenieder / L&T make for EB and DG . 03. Ammeter with selector switch with CTs. 04. PF Meter and frequency Meter. 05. Indicator lamps (set Run, Load ON) with fuses. 06. KWH Meter of required rating. 07. Set of control fuses and current transformer. 08. Input Terminal board and output Terminal Board. 09. Battery charger with transformer rectifier unit. 10. Alternator supply air break contactor of L&T make. 11. Main supply air break contactor of L&T make. 12. Audio Visual annunciation . 13. Main supply voltage set of control relays and timers with one mode selector switch, set of push buttons. 14. Control cable up to 15 Mtrs 2.5Sqmm 6 Core</p>			
		Deleted SOR 11-12 ELEC-10.1.6			
	ELEC-10.1.4	63.00KVA, 3 Phase, 415, 50Hz, 78 to 83BHP, water cooled multi cylinder diesel generator set with alternator of 63KVA out put continous rating at 0.8 p.f, and Batteries .	1	No	7,00,000.00
	ELEC-10.1.5	125KVA, 3 Phase, 415, 50Hz, 154BHP, water cooled multi cylinder diesel generator set with alternator of 125 KVA out put continous rating at 0.8 p.f, and Batteries .	1	No	9,50,000.00
1566		Supply, Transportation, erection and commissioning (Excluding Foundation) of 3 Phase, 415, 50Hz, water cooled multi cylinder diesel generator set with alternator of - - - KVA/ - - - - KW out put contineous rating directly coupled Engine and Alternator with guard and mounted on a common base plate of Robust construction and complete without control panel having IP-52 protection, Acoustic Enclosure as per CPCB norms , sound absorbing material, t to restrict sound level up to 75 dB up to 1 mtr distance and as per CPCB norms etc as per following specifications mentioned below.			
		<p>A. Alternator : Kirloskar / Stamford / Crompton Greaves / Leroy Somer make. The alternator of the output rating shall be 3 Phase, 415V, 50Hz, Ac , 0.8 P.F. lagging at 1500 RPM. The alternator is self excited, self regulated, and shall confirm to IS: 13364 of 1992 or latest version with regulation of +5% from no load to full load. degree of protections shall be IP23.</p>			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		<p>B.Diesel Engine : Kirloskar / Cummins / Catterpillar Diesel Engine start, developing suitable ----- BHP output at 1500 RPM with mechanical / electronic governing so as to enable the alternator to give ---- -KVA continuous output at 0.8 P.F. lagging at NTP conditions. The diesel engine shall be capable of providing 10% O/L for 1 Hr for every 11 Hrs of continuous running at full load. The engine with 1st filling of oil and Diesel etc.</p> <p>01. Exhaust pipe of required size and length with insulation or clading. 02. Diesel tank suitable for 8 to 12 Hours running capacity. 03. Residential Silencer. 04. SMF Batteries with leads as per the Manufacturer standards</p>			
		<p>C. AMF Control Panel:- AMF control panel shall be fabricated with 16SWG CRCA sheet shall be totally enclosed with dust and Vermin proof, floor mounted / wall mounted type and shall be comprising the following.</p> <p>01. Voltmeter with selector switch. 02. 4 Pole MCCB incomer of -----A rating of Schenieder / L&T make for EB and DG. 03. Ammeter with selector switch with CTs. 04. PF Meter and frequency Meter. 05. Indicator lamps (set Run, Load ON) with fuses. 06. KWH Meter of required rating. 07. Set of control fuses and current transformer. 08. Input Terminal board and output Terminal Board. 09. Battery charger with transformer rectifier unit. 10. Alternator supply air break contactor of L&T make. 11. Main supply air break contactor of L&T make. 12. Audio Visual annunciation. 13. Main supply voltage set of control relays and timers with one mode selector switch, set of push buttons. 14. Control cable up to 15 Mtrs 2.5Sqmm 6 Core 14. Control cable up to 15 Mtrs 2.5Sqmm 6 Core</p>			
	ELEC-10.1.6	160KVA, 3 Phase, 415, 50Hz, 200BHP, water cooled multi cylinder diesel generator set with alternator of 160 KVA out put continous rating at 0.8 p.f, and Batteries.	1	No	13,00,000.00
	ELEC-10.1.7	250KVA, 3 Phase, 415, 50Hz, 310BHP, water cooled multi cylinder diesel generator set with alternator of 250 KVA out put continous rating at 0.8 p.f, and Batteries	1	No	20,00,000.00
	ELEC-10.1.8	320KVA, 3 Phase, 415, 50Hz, 380BHP, water cooled multi cylinder diesel generator set with alternator of 45 KVA out put continous rating at 0.8 p.f, and Batteries	1	No	26,00,000.00
	11.1	UPS SYSTEMS			

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
1567	ELEC-11.1.1	Supply and installation of 800 VA home UPS system pure sine wave out put, single phase input / Single phase output. Makes: Servomax / Top Power / Amar Raja	1	No	9,500.00
1568	ELEC-11.1.2	Supply and installation of 1400 VA home UPS system pure sine wave out put, single phase input / Single phase output. Makes: Servomax / Top Power / Amar Raja	1	No	13,500.00
1569		Deleted SOR 11-12 ELEC-11.1.1			
1570	ELEC-11.1.3	Supply and installation of 2.0 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	28,000.00
1571	ELEC-11.1.4	Supply and installation of 3.0 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	37,625.00
1572	ELEC-11.1.5	Supply and installation of 5.0 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	65,000.00
1573	ELEC-11.1.6	Supply and installation of 7.5 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	90,000.00
1574	ELEC-11.1.7	Supply and installation of 10 KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: Megatech / Power one / Numeric / DB Power.	1	No	1,05,000.00
1575	ELEC-11.1.8	Supply and providing of UPS cum battery rack up to 4 batteries	1	No	1,500.00
1576	ELEC-11.1.9	Supply and providing of UPS cum battery rack 5 to 10 batteries	1	No	2,500.00
1577	ELEC-11.1.10	Supply and providing of UPS cum battery rack upto 11 to 20 batteries	1	No	4,500.00
1578	ELEC-11.1.11	Supply and fixing of 12V 26 AH SMF battery including wire leads make Quanta / Racket / Exide.	1	No	3,332.50
1579	ELEC-11.1.12	Supply and fixing of 12V 42 AH SMF battery including wire leads make Quanta / Racket / Exide.	1	No	6,046.88
1580	ELEC-11.1.13	Supply and fixing of 12V 65 AH SMF battery including wire leads make Quanta / Racket / Exide.	1	No	7,707.75
1581	ELEC-11.1.14	Supply and fixing of 12V 100 AH SMF battery including wire leads make Quanta / Racket / Exide.	1	No	8,970.00
1582	ELEC-11.1.15	Supply and fixing of 12V 120 AH SMF battery including wire	1	No	9,900.00

Sl. No.	Item Code	Description of Item	Unit		SS Rate for 2012-13
1	2	3	4		5
		leads make Quanta / Racket / Exide.			
1583	ELEC-11.1.16	Supply and fixing of 12V, 120 AH MF battery including wire leads make Amar Raja(Power Zone) or Equivalent model of Exide / Panasonic / Gotech.	1	No	9,900.00
1584	ELEC-11.1.17	Supply and fixing of 12V, 150 AH MF battery including wire leads make Amar Raja(Power Zone) or Equivalent model of Exide / Panasonic / Gotech.	1	No	12,500.00

ANNEXURE

Copy of

**GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

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

INDUSTRIES AND COMMERCE (M.I) DEPARTMENT

G.O.Ms.No.198.

Dated:13.08.2009

Read the following:

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

ORDER :

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

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

NOTIFICATION

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

AMENDMENTS

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

**“SCHEDULE -I
RATES OF SEIGNIORAGE FEE**

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

Annexure – G.O.- Seigniorage Charges

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

17. Granite Useful for Cutting:

(Rates in Cubic Metre)

Item	Super Gang Saw above 300 CMX 180 CM. Size	Mini Gang Saw above 270 Cm X 150 Cm. & less than 300 Cm X 180 Cm Size	Below 270 Cm. X 150 Cm. size	Below 75 Cm. Size
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Annexure – G.O.- Seigniorage Charges

(a)	Black Granite Galaxy Variety	Rs. 3300/- (Rupees Three Thousand Three hundred)	Rs. 2625/- (Rupees Two thousand Six hundred and twenty five only)	Rs. 2475/- (Rupees Two thousand Four hundred and Seventy Five only)	Rs. 1100/- (Rupees One thousand One hundred only)
(b)	Black Granite other than Galaxy Variety	Rs. 2475/- (Rupees Two thousand Four hundred and Seventy Five only)	Rs.2000/- (Rupees Two thousand only)	Rs.1,925/- (Rupees One thousand Nine hundred and Twenty Five only)	Rs.825/- (Rupees Eight hundred and Twenty Five only)
(c)	Colour Granite Srikakulam Blue, Indian aurora of Nizamabad Dist., Leptinites of Coastal Dists., Black pearl of Praksam and Guntur Dists.	Rs. 2475/- (Rupees Two thousand Four hundred and Seventy Five only)	Rs.2000/- (Rupees Two thousand only)	Rs.1925/- (Rupees One thousand Nine hundred and Twenty Five only)	Rs.825/- (Rupees Eight hundred and Twenty Five only)
(d)	Colour Granite of other varieties	RS.1,925/- (Rupees One thousand Nine hundred and Twenty Five only)	Rs. 1625/- (Rupees One thousand Six hundred and Twenty five only)	Rs.1650/- (Rupees One thousand Six hundred Fifty only)	Rs.825/- (Rupees Eight hundred and Twenty Five only)

**SCHEDULE –II
RATE OF DEAD RENT
(PER HECTARE PER ANNUM)**

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

Annexure – G.O.- Seigniorage Charges

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.