



Government of Andhra Pradesh

**Reformulated BASIC SCHEDULE
OF RATES (Excluding VAT and
Excise Duty)**

**FOR THE YEAR 2015-16 as part of
implementation of GST Act**

BOARD OF CHIEF ENGINEERS

PART-I

(WATER RESOURCES DEPARTMENT WORK ITEMS)

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STATEMENT OF RATES FOR MATERIALS FOR THE YEAR 2015-16

SI No.	DESCRIPTION OF MATERIAL	UNIT	Basic Rate for SoR 2015-16 excluding subsumed taxes
1	Acetylene gas	cum	284
2	Asphalt 80/100 Grade	Kg	38
3	Binding wire	Kg	59
4	Burnt stone slab 10 cm thick	sqm	271
5	Cement 43 Gr/53 Gr Note: As per Monthly rate fixed by Sub-Committee	tonne	4968
6	Chequered plate	Kg	53
7	Coarse aggregate 10-4.75 mm(excluding Seigniorage charges)	cum	833
8	Coarse aggregate 20-10 mm(excluding Seigniorage charges)	cum	1152
9	Coarse aggregate 40-20 mm(excluding Seigniorage charges)	cum	1090
10	Coarse aggregate 80-40 mm(excluding Seigniorage charges)	cum	605
11	Coir brush	Each	38
12	Copper sheet 16 SWG	kg	588
13	Coursed rubble stone 30 x 30 x 45 cm(excluding Seigniorage charges)	Each	22
14	Coursed rubble stone 30 x 30 x 60 cm(excluding Seigniorage charges)	Each	25
15	Curing Compound	Ltr	101
16	D – cord	Rm	8
17	Delay - noiseless trunk	Each	18
18	Detonating fuse coil	Rm	9
19	Detonating shock tube / Cord relays	Rm	35

20	Detonator delay type	Each	18
21	Detonator electric	Each	10
22	Detonator ordinary	Each	7
23	Empty cement bag	Each	5
24	Explosive ANFO	kg	36
25	Explosive ANFO high strength booster	kg	57
26	Explosive small dia (Kelvex-220 or equivalent)	kg	54
27	(a)Fine aggregate/ sand(un- screened) for Concrete & Filtering items) (excluding Seigniorage charges)	cum	581
	b)Fineaggregate/Sand(unscreened)forfilling(excluding Seigniorage charges)	cum	438
28	Fine aggregate /Sand (Screened) for Mortar ,Plastering items and Sand blasting items(excluding Seigniorage charges) (Rs.67 is added towards screening Charges)	cum	645
29	Geo-textile (filter fabric) 160 gsm	sqm	89
30	Geo-textile (filter fabric) 200 gsm	sqm	107
31	Geo-textile (filter fabric) 250 gsm	sqm	124
32	G I Pipe 100 mm dia B Class	Rm	622
33	G I Pipe 15 mm dia A class	Rm	93
34	G I pipe 25 mm dia A class	Rm	144
35	G I pipe 40 mm dia B class	Rm	246
36	G I pipe 50 mm dia A class	Rm	271
37	G I Pipe 80 mm dia B Class	Rm	415
38	G.I Bolts / Nuts and Washers	kg	85
39	G.I sheet (plain)	tonne	55873

40	Hariyala turfing sods	sqm	24
41	Hectometer stone one line dressed	Each	238
42	Hemp yarn	kg	61
43	Honne wood planks	cum	41921
44	Hume pipe with collar 150 mm dia	Rm	292
45	Hume pipe with collar 300 mm dia	Rm	588
46	J- Bolts 30 cm long	Each	30
47	Jungle wood planks	cum	20087
48	Khandki stone 15 to 20 cm height	Each	11
49	Khandki stone 20 to 25 cm height	Each	14
50	Khandki stone 25 to 30 cm height	Each	16
51	Kilometer stone one line dressed	Each	452
52	LDPE sheet (Geo membrane) 500 micron thick	sqm	80
53	LDPE sheet (Geo membrane) 750 micron thick	sqm	114
54	LDPE sheet (Geo membrane) 1000 micron thick	sqm	157
55	M S Bolts / Nuts / Washers	kg	76
56	Murum(including loading charges but excluding Seigniorage charges)	cum	128
57	Oxalic acid	Ltr	68
58	Oxygen gas	cum	36
59	PVC sealing strip	Rm	38
60	PVC water stopper 310 mm wide	Rm	411
61	PVC pipe of 100mm dia	Rm	148
62	Reinforcement steel (HYSD/TMT)Note: As per Monthly rate fixed by Sub-Committee	tonne	35556
63	Resin bond Cement capsule	Each	55

64	Rough stone 20 x 20 x 75 cm (Including Loading charges but excluding Seigniorage Charges)	Each	24
65	Shahabad stone slab (including loading charges but excluding Seigniorage charges)	sqm	224
66	Stone chips (at dump yard/Spoil)(including loading charges but excluding Seigniorage charges)	cum	176
67	Stone chips (at quarry)(including loading charges but excluding Seigniorage charges)	cum	333
68	Structural steel angle / channel / beam / bars Note: As per Monthly rate fixed by Sub-Committee	tonne	38095
69	Structural steel plate / flats Note: As per Monthly rate fixed by Sub-Committee	tonne	37249
70	Super Plasticizer (Conplast RP-264 or equivalent)	kg	75
71	Synthetic Enamel paint 1st quality	Ltr	202
72	Synthetic adhesive (Resin + Hardener)	Kg	279
73	Tar felt joint filler board 12 mm thick	sqm	322
74	Tar felt joint filler board 20 mm thick	sqm	483
75	Through stones 20 x 20 x 30 to 45 cm (including loading charges but excluding Seigniorage charges)	Each	23
76	Through stones 25 x 25 x 45 to 60 cm long (including loading charges but excluding Seigniorage charges)	Each	39
77	Through stones 30 x 30 x 65 to 75 cm long (including loading charges but excluding Seigniorage charges)	Each	59
78	Un-coursed rubble stones (at dump yard /Spoil) (including loading charges but excluding Seigniorage charges)	cum	155
79	Un-coursed rubble stones (at quarry)(including loading charges but excluding Seigniorage charges)	cum	318
80	Water proofing compound	kg	58
81	Welding electrodes 4 mm dia	Each	10
82	Wire brush	Each	35

83	Wire mesh 20 gauge	sqm	199
84	Zinc chromate red oxide primer paint	Ltr	144
85	inorganic zinc silicate	Ltr	535
86	solvent less coal tar epoxy paint	Ltr	223
87	Zinc phosphate primer	Ltr	173
88	Allkyd based iron oxide paint	Ltr	152
89	a) Cost of hdpe (90mm dia)	Rm	195
	b) light black MS casing pipe 100 mm dia (4mm thick)	Rm	389
90	welded steel wire fabric 100X100X5 mm size	Kg	144
91	Protective Mastic	Ltr	375
92	Solventless coal tar epoxy (brown)	Ltr	308

ADDITIONAL MATERIALS FOR GATES & HOISTS

1	Alloy steel (IS : 1570-carbon steel) shafts	Kg	199
2	Alloy steel (IS : 1570-stainless steel) pins	Kg	381
3	Bolt / Nut / Washer (hot dipped galvanized)	Kg	119
4	Bolt / Nut / Washer (stainless steel)	Kg	309
5	Bronze/Aluminum alloy(IS:305)bearings/bushes	Kg	813
6	Cast iron blocks	Kg	72
7	Cast steel drums / gears	Kg	199
8	Cast steel pinions	Kg	190
9	Cast steel wheels / pulleys / hubs / rollers /Retainers	Kg	161
10	Chemical for de-greasing/ de-rusting/phosphate Coating	Ltr	114
11	Coal tar epoxy paint	Ltr	177

12	Forged steel hooks / shackles	Kg	237
13	MS pipe 200 / 300 mm dia	Kg	148
14	MS pipe 32 mm dia	Rm	157
15	MS pipe 25 mm dia	Rm	127
16	Rubber bottom seal (IS : 11855) (100mmX14 mm)	Rm	606
17	Rubber side seal (music note type Teflon claded) (IS : 11855)(36ØX113mmX14mm)	Rm	1296
18	Rubber side seal (music note type uncladed) (IS : 11855)(36ØX113mmX14mm)	Rm	939
19	Rubber side seal Z-type (IS : 11855)(36ØX120mmX19mm)	Rm	1242
20	Rubber corner seal (Teflon claded) (IS : 11855) (36Ø)	Each	1265
21	Rubber corner seal (un claded) (IS : 11855) (36Ø)	Each	893
22	Stainless steel plates / flats	Kg	233
23	Welding electrode 4 mm dia x 450 mm (radiographic low hydrogen)	Each	13
24	Welding electrode 4 mm dia x 450 mm (stainless steel)	Each	19
25	Wire rope 6x37 constn (IS : 2266)	Kg	169
26	Zinc	Kg	151
27	Zinc rich (zinc content : 90 %) epoxy primer	Ltr	543

Capital cost of Machinery/Equipment

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	Basic Rate for SoR 2015-16 excluding subsumed taxes
1	Agitator car / Transit mixer 2 cum (excluding tyres)	Each	1669093
	tyres and tubes 6 sets	Each	66764
2	Air compressor 5 cmm electric	Each	551189
3	Air compressor 7 cmm diesel	Each	737506

4	Air compressor 7 cmm electric	Each	671519
5	Air compressor 8.5 cmm diesel	Each	842310
6	Air compressor 8.5 cmm electric	Each	869481
7	Air compressor 15 cmm electric	Each	1063561
8	Angle Dozer 90 hp	Each	4250364
9	Batching plant 0.5 cum with accessories(6 Cum/hr)	Each	931587
10	Batching plant 2 x 1.00 cum with accessories(15 Cum/hr)	Each	3295488
11	Batching plant 2 x 1.50 cum with accessories(50 Cum/hr)	Each	5046094
12	Bending machine	Each	448677
13	Clamp shell and hoisting ropes	Each	25397
14	Concrete bucket 1.5 cum	Each	43474
15	Concrete hand mixer 45/30 ltr	Each	12033
16	Concrete mixer 300/200 ltr(diesel)	Each	116448
17	Concrete mixer 300/200 ltr (electric)	Each	112567
18	Concrete mixer 600/400 ltr(diesel)	Each	201844
19	Concrete mixer 600/400 ltr (electric)	Each	197962
20	Concrete paver 100 Sqm / hr	Each	1832897
21	Convey mucker (excluding tyres)	Each	2992722
	tyres and tubes 6 sets		66764
22	Core drilling machine	Each	853954
23	Diesel generating set 30 KVA	Each	384279
24	Diesel generating set 50 KVA	Each	496846
25	Diesel Loco 45 hp	Each	1645803
26	Dewatering pump 5 hp diesel	Each	31053
27	Dewatering pump 5 hp electric	Each	19020
28	Dewatering pump 10 hp diesel	Each	46579
29	Dewatering pump 10 hp electric	Each	42698

30	Dewatering pump 20 hp diesel	Each	147501
31	Dewatering pump 20 hp electric	Each	77632
32	Drifter	Each	821349
33	Drilling jumbo (excluding tyres)	Each	1010771
	tyres and tubes 6 sets		66764
34	Dumper 4.5 cum (excluding tyres)	Each	1125667
	tyres and tubes 6 sets		66764
35	Geophysical Ele.resistivity meter	Each	414847
36	Grouting pump	Each	79185
37	Guniting / sand blasting equipment	Each	237037
38	Ice plant with accessories 30 t / day	Each	1991266
39	Jack hammer	Each	50461
40	Needle vibrator 40 mm petrol	Each	15526
41	Needle vibrator 40 mm electric	Each	16303
42	Needle vibrator 60 mm petrol	Each	16691
43	Needle vibrator 60 mm electric	Each	19796
44	Planing machine 4 m stroke	Each	660317
45	Plate shearing machine up to 12 mm	Each	359788
46	Pneumatic placer 0.5 cum	Each	450267
47	Pneumatic tamper	Each	65987
48	Pug cutting machine	Each	13545
49	Pusher leg	Each	44021
50	Road roller diesel 10 t	Each	659874
51	Shovel 0.50 cum 75 hp	Each	2911208
52	Shovel 0.85 cum 110 hp	Each	4952935
53	Stationery derrick crane 5 t	Each	506938
54	Tipper 5 cum (excluding tyres)	Each	1261524
	tyres and tubes 6 sets		66764

55	Tipping tub 1.5 cum	Each	186317
56	Tower crane 5 tonne	Each	5803008
57	Transformer 250 KVA	Each	404762
58	Truck 10 t (excluding tyres)	Each	1145075
	tyres and tubes 6 sets		66764
59	Truck mounted derrick crane 5 t (excluding tyres)	Each	1521591
	tyres and tubes 6 sets		66764
60	Upright drilling machine	Each	43474
61	Ventilation fan 20 hp	Each	231111
62	Vibratory pad foot roller 8 t	Each	2290150
63	Wagon drill	Each	504609
64	Water tanker 8000 ltr (excluding tyres)	Each	1241921
	tyres and tubes 6 sets		66764
65	Welding set	Each	42667
66	Winch 35 hp electric	Each	291121
67	Hydraulic Truck Crane 30T	Each	11244444
	tyres and tubes 6 sets		143790
68	Hydraulic Truck Crane 16T	Each	8066667
	tyres and tubes 6 sets		143790
69	Heavy Duty Airless Spray Painting Equipment	Each	378667
70	Concrete Placer Pump(25 Cum/hr)(Electric)	Each	2642935

ACCESSORIES TO MACHINERY / EQUIPMENT

1	Casing shoe bit	Each	10000
2	Diamond core bit BX size	Each	10095
3	Diamond core bit NX size	Each	12114
4	Double tube core barrel	Each	12922
5	Extension drill rod with coupling sleeve	Rm	1795
6	Jack hammer drill rod 1.5 m	Each	3410
7	Jack hammer drill rod 2.5 m	Each	5294
8	Nozzle for Guniting / sand blasting gun	Each	593

9	Paving Cylinder	Each	26743
10	Rails 30R (30 kg / m)	tonne	49048
11	Reamer shell	Each	4905
12	T.C. Cross bit 50 mm dia	Each	4762
13	T.C. Cross bit 75 mm dia	Each	9524
14	T.C. Cross bit 100 mm dia	Each	11429
15	Tyres and Tubes for truck	Set	13974
16	Wire rope 16 mm dia	Rm	252
17	Excavation of drain with Excavator	cum	35

OTHER COSTS ON MATERIAL / MACHINERY / EQUIPMENT

1	Air hose 25 mm dia	Rm	152
2	Air hose 50 mm dia	Rm	252
3	Demand charges (HT-I : General-11 KV category)on power supply(as per APEPDCL tariff)	KVA /month	371
4	Diesel	Ltr	57
5	Electric power (HT-VIII Category) including tax (1.5 times of the Tariff of HT-I(A):General-11 KVA Category) (as per APEPDCL tariff)	Kwhr	9.1
6	Excise duty on Gates / Hoist supplies	%	0%
7	Insurance charges on machinery	% / annum	1%
8	Interest on capital cost	% / annum	11%
9	Lubricants	Ltr	220
10	Petrol	Ltr	69
11	Rivets	Kg	85
12	Road tax on transport vehicles	Rs./annum	18132
13	Shalimatic sealing compound	Kg	82
14	Shutter oil	Ltr	68
15	Structural steel fabrication	Kg	24
16	Sundries (Lump sum for un quantified inputs)	LS	41
17	Water hose (pressure) 20 mm dia	Rm	157
18	Steel wedges	LS	14
19	Elbows / Nipple / Plugs etc.,	LS	14
20	Soldering materials	LS	14
21	Steam circulation arrangement	LS	14
22	Fuel charges (gas for heating)	LS	16

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	12275
29	Grease	Kg	220
30	Welding holder set (cable / holder / gloves / mask etc)	Each	6519
31	Use rate of ropes	LS	150

MATERIALS FOR GATES AND HOISTS

1	Worm reducers	Each	174207
2	Electric motor 20 hp(Double Shaft)	Each	93935
3	Electric motor 17.5 hp(Double Shaft)	Each	66608
4	Electric motor 12.5 hp(Double Shaft)	Each	56361
5	Electric motor 5 hp(Double Shaft)	Each	25619
6	Electric motor 3 hp (Double Shaft)	Each	17933
7	Electric motor 2 hp (Double Shaft)	Each	9394
8	Floating shaft 300 mm dia	Kg	140
9	Manual operating system	Each	25170
10	Gate position indicator	Each	152004
11	Ele-magnetic brake	Each	27327
12	Electric cable / switch / control panel etc	LS	42650
13	Wire rope sockets	Each	3911

Materials other than covered under WR Work items

Sl. No.	Description	Unit	Basic Rate for SoR 2015-16 excluding subsumed taxes
M-002	Quarried stone 150 - 200 mm size for Hand Broken (Excluding Seigniorage charges)	Cum	140
M-003	Boulder with minimum size of 300 mm for Pitching (Excluding Seigniorage charges)	Cum	156

M-004	Coarse sand for filling (Excluding Seigniorage charges)	Cum	Rate as per item no.27(b) of material of WRD
M-005	Coarse sand for mortar(Excluding Seigniorage charges)	Cum	Rate as per item no.27(b) of material of WRD
M-006	Fine Sand (Excluding Seigniorage charges)	Cum	Rate as per item no.27(b) of material of WRD
M-007	Murum (Excluding Seigniorage charges)	Cum	Rate as per item no.27(b) of material of WRD
M-008	Gravel/Quarry spall(Excluding Seigniorage Charges)	Cum	103
M-009	Granular Material or hard Murum for GSB works	Cum	Deleted
M-010	Granular Material or hard Murum for GSB works(Excluding Seigniorage charges)	Cum	92
M-011	Fly ash conforming to IS: 3812 (Part II & I)	Cum	64
M-012	Filter media/Filter Material as per Table 300-3 (MoRT&H Specification) (excluding Seigniorage Charges)	Cum	329
M-013	Close graded Granular sub-base Material 53 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	635
M-014	Close graded Granular sub-base Material 37.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	652
M-015	Close graded Granular sub-base Material 26.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	677
M-016	Close graded Granular sub-base Material 9.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	564
M-017	Close graded Granular sub-base Material 9.5 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	554
M-18	Close graded Granular sub-base Material 4.75 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	486
M-019	Close graded Granular sub-base Material 4.75mm to 75 micron mm(excluding Seigniorage Charges)	cum	466
M-020	Close graded Granular sub-base Material 2.36 mm (excluding Seigniorage Charges)	Cum	466
M-021	Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve. (excluding Seigniorage Charges)	Cum	340

M-022	Coarse graded Granular sub-base Material 2.36 mm & below (excluding Seigniorage Charges)	Cum	417
M-023	Coarse graded Granular sub-base Material 4.75mm to 75 micron mm (excluding Seigniorage Charges)	cum	451
M-024	Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	451
M-025	Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	534
M-026	Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	590
M-027	Coarse graded Granular sub-base Material 26.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	590
M-028	Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	652
M-029	Coarse graded Granular sub-base Material 53 mm to 26 .5mm (excluding Seigniorage Charges)	Cum	810
M-030	Aggregates below 5.6 mm(excluding Seiniorage Charges)	Cum	530
M-031	Aggregates 22.4 mm to 2.36 mm (excluding Seiniorage Charges)	Cum	870
M-032	Aggregates 22.4 mm to 5.6 mm (excluding Seiniorage Charges)	Cum	990
M-033	Aggregates 45 mm to 2.8 mm (excluding Seiniorage Charges)	Cum	635
M-034	Aggregates 45 mm to 22.4 mm (excluding Seiniorage Charges)	Cum	Rate as per item no.9 of material of WRD
M-035	Aggregates 53 mm to 2.8 mm (excluding Seiniorage Charges)	Cum	870
M-036	Aggregates 53 mm to 22.4 mm (excluding Seiniorage Charges)	Cum	830
M-037	Aggregates 63 mm to 2.8 mm (excluding Seiniorage Charges)	Cum	680
M-038	Aggregates 63 mm to 45 mm (excluding Seiniorage Charges)	Cum	630
M-039	Aggregates 90 mm to 45 mm (excluding Seiniorage Charges)	Cum	Rate as per item no.10 of material of WRD
M-040	Aggregates 10 mm to 5 mm (excluding Seiniorage Charges)	Cum	Rate as per item no.7 of material of WRD

M-041	Aggregates 11.2 mm to 0.09 mm (excluding Seiniorage Charges)	Cum	670
M-042	Aggregates 13.2 mm to 0.09 mm(excluding Seiniorage Charges)	Cum	760
M-043	Aggregates 13.2 mm to 5.6 mm (excluding Seiniorage Charges)	Cum	875
M-044	Aggregates 13.2 mm to 10 mm(excluding Seiniorage Charges)	Cum	980
M-045	Aggregates 20 mm to 10 mm (excluding Seiniorage Charges)	Cum	Rate as per item no.8 of material of WRD
M-046	Aggregates 25 mm to 10 mm (excluding Seiniorage Charges)	Cum	1075
M-047	Aggregates 19 mm to 6 mm (excluding Seiniorage Charges)	Cum	990
M-048	Aggregates 37.5 mm to 19 mm(excluding Seiniorage Charges)	Cum	1050
M-049	Aggregates 37.5 mm to 25 mm(excluding Seiniorage Charges)	Cum	1090
M-050	Aggregates 6 mm nominal size(excluding Seiniorage Charges)	Cum	700
M-051	Aggregates 10 mm nominal size(excluding Seiniorage Charges)	Cum	890
M-052	Aggregates 13.2/12.5 mm nominal size(excluding Seiniorage Charges)	Cum	1045
M-053	Aggregates 20 mm nominal size(excluding Seiniorage Charges)	Cum	1300
M-054	Aggregates 25 mm nominal size(excluding Seiniorage Charges)	Cum	1250
M-055	Aggregates 40 mm nominal size(excluding Seiniorage Charges)	Cum	805
M-056	AC pipe 100 mm dia	Metre	Rate as per PH item
M-057	Acrylic polymer bonding coat	Litre	401
M-058	Aluminum Paint	Litre	256
M-059	Aluminum alloy plate 2mm Thick	Sqm	323
M-060	Aluminum alloy/Galvanized steel	Tonne	60047

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	819
M-062	Aluminum studs 100 x 100 mm fitted with lens	No's	As per local market rate
M-063	Barbed wire	Kg	68
M-064	Bearing (Cost of parts)	No's	483
M-065	Bearing (Cast steel rocker bearing assembly of 250 tonne)	No's	665
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,)	Cm3	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 tonne)	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 WRD.
M-073	Bitumen (Cationic Emulsion)	Tonne	As per rates fixed by R&B Dept based on refinery rates
M-074	Bitumen (60-70 grade)(Excluding taxes)	Tonne	
M-075	Bitumen (80-100 grade) (Excluding taxes)	Tonne	
M-076	Bitumen (Cutback)	Tonne	
M-077	Bitumen (emulsion)(Excluding taxes)	Tonne	
M-078	Bitumen (modified graded)	Tonne	

M-079	Brick	Each	As per Building SSR
M-080	C.I. shoes for the pile	Kg	46
M-081	Cement	Tonne	Rate as per item no.5 of Material rates of WRD.
M-082	Cold twisted bars (HYSD/TMT Bars)	Tonne	Rate as per item no.62 of Material rates of WRD
M-083	Collar for joints 300 mm dia	No's	128
M-084	Compressible Fibre Board(20mm thick)	Sqm	472
M-085	Connectors/ Staples	Each	64
M-086	Copper Plate(12m long x 250mmwide)	Kg	416
M-087	Corrosion resistant Structural steel	Tonne	50138
M-088	Corrugated sheet, 3 mm thick, "Tie" beam section railing	Kg	174
M-089	Credit for excavated rock found suitable for use	Cum	194
M-090	Curing compound	Liter	101
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	40
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	Rate as per item No. 21 of WRD
M-095	Epoxy compound with accessories for preparing epoxy mortar	Kg	280
M-096	Epoxy mortar	Kg	92

M-097	Epoxy primer	Kg	476
M-098	Epoxy resin-hardener mix for prime coat	Kg	491
M-099	Flag of red color cloth 600 x 600 mm	Each	24
M-100	Flowering Plants	Each	38
M-101	Galvanized MS flat clamp	No's	165
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	152
M-103	Galvanized structural steel plate 200 mm wide, 6 mm thick, 24 m long	Kg	789
M-104	Gelatin 80%	Kg	57
M-105	Geo grids	Sqm	As per local competitive quotations
M-106	(a)Geo membrane 500 micron thick	Sqm	Rate as per item No. 52 of WRD
	(b) Geo membrane 750 micron thick	Sqm	Rate as per item No. 53 of WRD
	(c) Geo membrane 1000 micron thick	Sqm	Rate as per item No. 54 of WRD
M-107	Geo nets	Sqm	AS per local Competitive quotations
M-108	(a)Geo textile 160 gsm	Sqm	Rate as per item no.29 of WRD
	(b) Geo textile 200 gsm	Sqm	Rate as per item no.30 of WRD
	(c) Geo textile 250 gsm	Sqm	Rate as per item no.31 of WRD
M-109	Geo textile filter fabric	Sqm	As per local competitive quotations
M-110	GI bolt 10 mm Dia	No's	18

M-111	Grouting pump with agitator	Hour	Rate covered in Item No.36 of hire charges of machinery of Water Resources work items
M-112	Grass (Doob)	Kg	5
M-113	Grass (Fine)	Kg	8
M-114	HDPE pipes 75mm dia	Metre	Rate as per PH items
M-115	HDPE pipes 90mm dia	Metre	Rate as per PH items
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	Rate as per local competitive quotations
M-119	HTS strand	Tonne	
M-120	Joint Sealant Compound	Kg	
M-121	Jute netting, open weave, 2.5 cm square opening for seeding and Mulching	Sqm	70
M-122	LDO for steam curing	Litre	50
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	
M-126	Mild Steel bars	Tonne	39674
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	
M-129	Nipples 12mm	No's	17
M-130	Nuts and bolts	Kg	85
M-131	Paint	Litre	198
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	
M-137	R.C.C Pipes 200 mm dia, 2.5 m long for drainage	Metre	Rate as per PH item
M-138	Plastic sheath, 1.25 mm thick for dowel bars	Sqm	Rate as per local competitive quotations
M-139	Plastic tubes 50 cm dia , 1.2 m high	No's	
M-140	Polymer braids	Metre	
M-141	Pre moulded Joint filler, 25 mm thick for expansion joint	Sqm	
M-142	Pre-coated stone chips of 13.2 mm nominal size	Cum	
M-143	Preformed continuous chloroprene elastomer or closed cell foam sealing element with high tear strength, vulcanized in a single operation for the full length of a joint to ensure water tightness.	Meter	
M-144	Pre-moulded asphalt filler board	Sqm	Rate as per local competitive quotations
M-145	Pre-packed cement based polymer concrete of strength 45 Mpa at 28 days	Kg	
M-146	Sealant Primer	Kg	AS per Building SSR
M-147	Quick setting compound	Kg	AS per Local market rate

M-148	Random Rubble Stone(Including Loading Charges but excluding Seignorage Charges)	Cum	240
M-149	RCC Pipe NP 4 heavy duty non pressure pipe 1000mm 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	Rate as per local competitive quotations
M-158	Rivets	Each	6
M-159	Sand bags (Cost of sand and Empty cement bag)	Per bag	17
M-160	Sapling 2 m high 25 mm dia	Each	Rate as per local competitive quotations
M-161	Scrap tyres of size 900 x 20	No's	68
M-162	Seeds(Grass)	Kg	18
M-163	Cost of Selected earth (Excluding Seignorage Charges)	Cum	Rate as per Item No. M-092
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	15
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(Including Loading Charges but excluding Seigniorage charges)	Cum	2236
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	As per local competitive market rate
M-174	Steel pipe 25 mm external dia as per IS:1239	Metre	244
M-175	Steel pipe 50 mm external dia as per IS:1239	Metre	475
M-176	Steel wire rope 20 mm	Kg	157
M-177	Steel wire rope 40 mm	Kg	179
M-178	Strip seal expansion joint	Metre	Rate as per local competitive quotations
M-179	Structural Steel(HYSD/TMT bars)	Tonne	Rate as for item no.62 of material rates of WRD.
M-180	Super plasticizer admixture IS marked as per 9103-1999	Kg	Rate as for item no.70 of material rates of WRD.
M-181	Synthetic Geo grids as per clause 3102.8 and approved design and specifications.	Sqm	Rate as per local competitive quotations
M-182	Through and bond stone	Each	Rate as for item no.75 of material rates of WRD.
	(a) 20X20x30 to 45 cm long	Each	
	Through and bond stone		Rate as for item no.76 of material rates of WRD.
	(b) 25X25x45 to 60 cm long		
	Through and bond stone	Each	Rate as for item

	(c) 30X30x65 to 75 cm long		no.77 of material rates of WRD.
M-183	Tie rods 20mm diameter	No's	42
M-184	Tiles size 300 x 300 mm and 25 mm thick	Each	As per Building SSR
M-185	Timber	Cum	As per Building SSR
M-186	Traffic cones with 150 mm reflective sleeve	No's	Rate as per local competitive quotations
M-187	Tube anchorage set complete with bearing plate, permanent wedges etc	No's	Rate as per local competitive quotations
M-188	Un slaked lime	Tonne	2491
M-189(a)	Water charges(Urban)	KiloLitre	98
(b)	Water charges(Rural)	KiloLitre	73
M-190	Water based cement paint	Litre	As per Building SSR
M-191	Welded steel wire fabric	Kg	131
M-192	Wire mesh 50mm x 50mm size of 3mm wire	Kg	213
M-193	Wooden ballies 2" Dia for bracing	Each	As per Building SSR
M-194	Wooden ballies 8" Dia and 9 m long	Each	As per Building SSR
M-195	Wooden packing	Cum	1071
M-196	Wooden staff for fastening of flag 25 mm dia, one m long	Each	67
Item 8.3	Printing new letter and figures of any shade (ii) English Roman	per cm height per letter	2
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

Miscellaneous Items

1	Benching old embankment slopes 0.45 X 0.45 M	RM	4

2	Laying Sand Bags in the stipulated places including cost of empty cement bag, sand, thread, stitching charges and labour charges with 13.615 % overhead charges and contractors profits.	per bag	25.60
3	Rough stone for revetment 225mm thick (including Loading charges but excluding Seigniorage charges)	Cum	144
4	Eradication of Weed growth from Drains, Canals by spraying Chemicals	Sqm	2
5	Thinner	Ltr	109
6	Gear Oil	Ltr	203

Conveyance Charges of Material

**LEAD/LIFT/LOADING & UNLOADING CHARGES
FOR THE YEAR : 2015-16**

A. (Lead) Conveyance Charges for materials by head load

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 upto 50 m (covered by item rate)	initial lead	initial lead	initial lead
2	Total lead upto 100 m	51.90	30.30	66.10
3	Total lead upto 150 m	103.90	60.60	132.20

B.(Lead) Conveyance charges for machinery per kilometer for transporting materials by tippers and trucks excluding loading, unloading and idle hire charges of machinery.

(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 per cu.meter for water/ 1000 litres	(Lead) charges for trucks per 1000 Nos. of Bricks
1	2	3	4	5	6	7	8

1	Lead upto 1 km	27.60	26.70	16.70	39.30	17.20	44.60
2	Lead upto 2 km	38.60	37.40	23.40	55.10	24.00	62.40
3	Lead upto 3 km	51.50	51.50	32.20	75.80	32.00	83.20
4	Lead upto 4 km	62.60	62.60	39.10	92.00	38.90	101.00
5	Lead upto 5 km	73.60	73.60	46.00	108.30	45.80	118.80
6	for Every km beyond 5 km upto 30 km	11.00	11.00	6.90	16.20	6.90	17.80
7	for Every km beyond 30 km	9.20	9.20	5.80	13.50	5.70	14.90

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	17.30	34.60	57.10	68.40	47.60
2	Unloading	8.65	17.30	57.10	68.40	47.60

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	98.30	115.60	146.20	157.60	194.60
2	Unloading	35.60	57.80	146.20	157.60	194.60

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

SI No.	Description of item	Earth / Sand /Gravel Murrum/ / Surki/ Rs / cum	Rubble/ size stone/ cut stone/ Coarse aggregate,Lime in Rs/cum
1	2	3	4
1	Loading	44.90	89.60
2	Unloading	13.90	13.90

F.LIFT CHARGES FOR MATERIALS BY HEAD LOAD

SI No.	Total lift (Total lift includes initial lift)	Earth / Sand /Gravel Murrum/ Lime/ Surki/ Size stone / Cut stone Rubble / Coarse aggregate Rs / cum	Cement / Reinforce- ment steel Str steel Rs / tonne	PCC slab/ Shahbad slab / CC block/ BS slab / Laterite / Wood Rs / cum
1	2	3	4	5
1	Total lift upto 3 m (covered by item rate)	Initial lift 6.10	Initial lift 4.40	Initial lift 8.10
2	For Every 1.00 Lift beyond initial lift of 3 meters			

Note: The Lead Charges are inclusive of 13.615 % Contractor Profit and Overhead charges

HIRE CHARGES

HIRE CHARGES OF PLANT & MACHINERY

S.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	588.80	862.10	266.80	1717.70
2	Air compressor 5 cmm (electric)	Hour	84.10	274.90	155.00	514.00
3	Air compressor 7 cmm (diesel)	Hour	187.30	705.40	198.40	1091.10
4	Air compressor 7 cmm (electric)	Hour	102.40	366.60	155.00	624.00
5	Air compressor 8.5 cmm (diesel)	Hour	213.90	881.70	198.40	1294.00
6	Air compressor 8.5 cmm (electric)	Hour	132.60	458.20	155.00	745.80
7	Air compressor 15 cmm (electric)	Hour	107.80	1018.30	165.40	1291.50
8	Angle Dozer 90 hp	Hour	1331.80	603.10	222.30	2157.20
9	Batching plant 0.5 cum(6 cum/hr)	Hour	89.00	122.20	320.00	531.20
10	Batching plant 2 x 1.00 cum(15 cum/hr)	Hour	314.70	366.60	320.00	1001.30
11	Batching plant 2 x 1.50 cum(50 cum/hr)	Hour	481.90	448.00	320.00	1249.90
12	Bending machine 3000 x 12 mm	Hour	36.00	122.20	124.00	282.20
13	Clamp shell and hoisting ropes	Hour	4.60	0.00	0.00	4.60
14	Concrete bucket 1.5 cum	Hour	12.30	0.00	0.00	12.30
15	Concrete hand mixer 45 / 30 ltr	Hour	4.30	0.00	0.00	4.30
16	Concrete mixer 300 / 200 (diesel)	Hour	41.50	78.40	206.70	326.60
17	Concrete mixer 300 / 200 ltr (electric)	Hour	40.10	40.70	206.70	287.50
18	Concrete mixer 600 / 400 (diesel)	Hour	72.00	156.80	206.70	435.50
19	Concrete mixer 600 / 400 ltr (electric)	Hour	70.60	81.50	206.70	358.80
20	Concrete paver 100 sqm / hr	Hour	276.80	0.00	396.90	673.70
21	Convey mucker	Hour	638.80	283.50	165.40	1087.70
22	Core drilling machine	Hour	247.60	235.10	266.80	749.50
23	Diesel generating set 30 KVA	Hour	51.10	627.00	124.00	802.10
24	Diesel generating set 50 KVA	Hour	66.10	940.50	124.00	1130.60
25	Diesel Loco 45 hp	Hour	296.20	529.00	155.00	980.20
26	Dewatering pump 5 hp (diesel)	Hour	7.90	78.40	104.80	191.10
27	Dewatering pump 5 hp (electric)	Hour	2.30	40.70	78.60	121.60

28	Dewatering pump 10 hp (diesel)	Hour	11.80	156.80	104.80	273.40
29	Dewatering pump 10 hp (electric	Hour	5.20	81.50	78.60	165.30
30	Dewatering pump 20 hp (diesel)	Hour	37.50	313.50	104.80	455.80
31	Dewatering pump 20 hp (electric	Hour	9.50	162.90	78.60	251.00
32	Drifter	Hour	250.50	0.00	333.50	584.00
33	Drilling jumbo	Hour	286.00	42.30	165.40	493.70
34	Dumper 4.5 cum	Hour	450.90	395.00	213.40	1059.30
35	Geophysical Electric resistivity meter	Hour	86.50	0.00	0.00	86.50
36	Grouting pump	Hour	19.30	40.70	248.00	308.00
37	Guniting / sand blast equipment	Hour	93.20	0.00	206.70	299.90
38	Ice plant & accessories 30 t / day	Hour	148.60	1160.90	124.00	1433.50
39	Jack hammer	Hour	15.40	0.00	310.10	325.50
40	Needle vibrator 40 mm (petrol)	Hour	5.90	19.00	148.80	173.70
41	Needle vibrator 40 mm (electric)	Hour	6.20	8.10	148.80	163.10
42	Needle vibrator 60 mm (petrol)	Hour	6.40	28.50	148.80	183.70
43	Needle vibrator 60 mm (electric)	Hour	7.60	12.20	148.80	168.60
44	Planing machine 4 m stroke	Hour	99.70	122.20	198.40	420.30
45	Plate shearing machine upto 12 mm	Hour	35.50	162.90	133.40	331.80
46	Pneumatic placer 0.5 cum	Hour	132.80	0.00	81.90	214.70
47	Pneumatic tamper	Hour	16.10	0.00	248.00	264.10
48	Pug cutting machine	Hour	5.40	4.10	0.00	9.50
49	Pusher leg	Hour	10.70	0.00	0.00	10.70
50	Road roller diesel 10 t	Hour	153.10	705.40	198.40	1056.90
51	Shovel 0.50 cum 75 hp	Hour	778.70	470.30	222.30	1471.30
52	Shovel 0.85 cum 110 hp	Hour	1324.90	862.10	222.30	2409.30
53	Stationery derric crane	Hour	66.80	0.00	0.00	66.80
54	Tipper 5 cum	Hour	346.90	296.30	166.70	809.90
55	Tipping tub 1.5 cum	Hour	49.80	0.00	0.00	49.80
56	Tower crane 5 tonne	Hour	673.10	211.80	177.80	1062.70
57	Transformer 250 KVA	Hour	4800.90	0.00	0.00	4800.90
58	Truck 10 t	Hour	321.50	296.30	166.70	784.50
59	Truck mounted derric crane 5 t	Hour	403.50	296.30	166.70	866.50
60	Upright drilling machine/Grinder	Hour	17.40	40.70	187.20	245.30
61	Ventilation fan 20 hp	Hour	10.20	162.90	27.10	200.20
62	Vibratory pad foot roller 8 t	Hour	1042.00	1018.90	248.00	2308.90

63	Wagon drill	Hour	146.30	0.00	266.80	413.10
64	Water tanker 8000 ltr	Hour	342.60	296.30	166.70	805.60
65	Welding set	Hour	14.20	97.80	0.00	112.00
66	Winch 35 hp (electric)	Hour	100.40	199.60	248.00	548.00
67	Tractor with 2T roller	Hour				345.00
68	Hydraulic Truck Crane 30T	Hour	2404.10	118.80	494.20	3017.10
69	Hydraulic Truck Crane 16T	Hour	1768.50	75.00	494.20	2337.70
70	Heavy Duty Airless Spray Painting Equipment	Hour	94.20			94.20
71	Concrete Placer Pump 25 Cum/Hr	Hour	779.70	488.80	155.00	1423.50

ROAD & BRIDGE WORKS

MATERIAL & WORK ITEM RATES

RATES OF MATERIALS & WORK ITEMS

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
		(A) STONE AND ROAD MATERIALS			
		ROUGH STONE QUARRIED INCLUDING WEDGING, BREAKING, BURNING, SPLITTING.			
1	22.a	For R.R Masonry Work (other than Granite, Dolomite and Trap)	1 cum	171.45	
2	b.i	For SS Revetment work 225 mm	1 cum	137.15	As per WR Dept. (S.No.3) of Miscellaneous items Material other than covered under irrigation
3	b.ii	For SS Revetment work 300 mm	1 cum	156.20	As per WR Dept. (M 003 of Material) Material other than covered under irrigation items
4	b.iii	For SS Revetment work 450 mm	1 cum	148.55	
5	c	Jeddy Stone above 450 mm to 600 mm	1 cum	196.20	
6	d i	Laterite for revetment 225 mm	1 cum	129.50	
7	d ii	Laterite for revetment 300 mm	1 cum	151.45	
8	d iii	Granite for SS revetment 225 mm	1 cum	168.55	
9	d iv	Granite for SS revetment 300 mm	1 cum	163.80	
		Note:- Only when other granite is not available			
10	e	Laterite for masonry	1 cum	148.55	
11	f	Cyclopean stones above 0.2 cum	1 cum	278.10	
12	g	For R.R.Masonry works (granite, dolomite and trap variety)	1 cum	240.00	As per WR Dept. (M 148 of Material) Material other than covered under irrigation items
13		NOTE:- For items 22(a) to 22© 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 FOR SS FIRST SORT WORKS			
14	23.a	Granite, Dolomite and trap	1 cum	274.30	
15	23.b	For other varieties	1 cum	197.15	

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
16	27	Granite stone slabs for culverts, lintels and copings (3 faces dressed coarsed rubble masonry)	1 cum	1810.50	
17		NOTE: - For items 23(a), 23(b) and 27 add extra Rs. Per Cum, wherever quarrying is done by blasting	1 cum	82.00	
18	28.a	Bond stones (600 x 200 x 200 mm)	each	47.60	
19	b	Chainage stones and Centre line stones (750x150x150 mm)	each	47.60	
20	31	Demarcation Stones (900 x 150 x 150 mm)	each	85.70	
21	32.a	Guard Stones (1200 x 200 x 200 mm)	each	144.75	
22	B	Guide Stones (800 x 150 x150 mm)	each	97.15	
23	C	Carving letters and figures in stone up to 100 mm size	each	9.50	
24	D	Carving letters and figures in stone above 100 mm size	each	10.50	
		HARD BROKEN STONE OF GRANITE, TRAP AND DOLERITE FREE FROM DUST OBTAINED BY QUARRYING, WEDGING, BREAKING, BURNING AND SPLITTING			
25	33.a	- do - 6mm size (SS 5)	1 cum	506.40	As per WR Dept. (M 050 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%)
26	b	- do - 10mm size (SS 5)	1 cum	659.20	As per WR Dept. (M 051 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%)
27	c	- do - 12mm size (SS 5)	1 cum	782.40	As per WR Dept. (M 052 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%)

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
28	d	- do - 20mm size (SS 5)	1 cum	986.40	As per WR Dept. (M 053 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%)
29	e	- do - 25mm size (SS 5)	1 cum	947.20	As per WR Dept. (M 054 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%)
30	f	- do - 40mm size (SS 5)	1 cum	590.40	As per WR Dept. (M 055 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%)
31	g	- do - 50mm size (SS 5)	1 cum	434.30	
32	h	- do - 60mm size (SS 5)	1 cum	399.05	
33	i	- do - 65mm size (SS 5)	1 cum	360.95	
34	j	- do - 75mm size (SS 5)	1 cum	289.50	
35	k	- do - 75 to 100mm size (SS 5)	1 cum	236.20	
36		NOTE:- (1) Add extra Rs. /- per cum for items 33 (a) to 33 (k) if the metal is obtained by blasting	1 cum	70	
37		(2) Add 25% extra per cum if the metal is obtained by machine crushing excluding cost of blasting.	1 cum	25%	
38		(3) Deduct Rs. /- per cum if the metal or rubble is obtained from surface stone and boulders.	1 cum	9.9	
39		(4) Add Rs. /- per cum for selection of stones and boulders from excavated spoil dumps for items 33 a to 33 k, when this	1 cum	17	

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
		addition of Rs. /- per Cum is allowed, deduction of Rs. /- per Cum mentioned under Note (3) above should invariably be made.	1 cum	9.9	
		SOFT BROKEN STONE SCREENED AND FREE FROM DUST			
40	33.l	- do - 40 mm size (SS 5)	1 Cum	117.15	
41	33.m	- do - 50 mm size (SS 5)	1 Cum	105.70	
42	33.n	- do - 60 mm size (SS 5)	1 Cum	82.85	
43	33.o	- do - 65 mm size (SS 5)	1 Cum	74.30	
44	33.p	- do - 75 mm size (SS 5)	1 Cum	69.50	
		HARD BROKEN STONE OF GRANITE TRAP DOLERITE AND DOLAMITE FREE FROM DUST OBTAINED BY QUARRYING WEDGING, BREAKING, BURNING AND SPLITTING (QUARTZITE AND BASALT WITH AGGREGATE IMPACT OF LESS THAN 20)			
45	33a	-do- 2.36 to 5 mm size (IRC&MORTH)	1 cum	293.35	
46	b	-do- 5 to 7mm size (IRC&MORTH)	1 cum	480.00	
47	c	-do- 9.5 to 11.2mm size (IRC&MORTH)	1 cum	624.75	
48	d	-do- 12mm to 14 mm size (IRC and MORTH)	1 cum	742.85	
49	e	-do- 19 mm to 22 mm size (IRC and MORTH)	1 cum	937.15	
50	f	-do- 25 mm to 27 mm size (IRC and MORTH)	1 cum	899.05	
51	g	-do- 40 mm to 45 mm size (IRC and MORTH)	1 cum	560.00	
52	h	-do- 50 mm to 55 mm size (IRC and MORTH)	1 cum	434.30	
53	i	-do- 60 mm to 63 mm size (IRC and MORTH)	1 cum	399.05	
54	j	-do- 65 mm size (IRC and MORTH)	1 cum	360.95	
55	k	-do- 75 mm size (IRC and MORTH)	1 cum	289.50	
56	l	NOTE:- Add extra Rs. /- per cum for items 33 (a) to 33 (j) if the metal is obtained by blasting	1 cum	70	As proposed by WR Dept.
57	2	Add 25% extra per cum if the metal is obtained by machine crushing excluding cost of blasting.	1 cum	25%	As proposed by WR Dept.
58	3	Deduct Rs. /- per cum if the metal or rubble is obtained from surface stones and boulders	1 cum	9.9	

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
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	17 9.9	
		HARD BROKEN STONE OTHER THAN GRANITE SUCH AS QUARTZ, QUARTZ-NAPA AND BASALT SCREENED AND FREE FROM DUST			
60	33.q	- do - 10 mm size (SS 5)	1 Cum	367.60	
61		-do- 9.5 mm to 11.2 mm size (IRC and MORTH)	1 Cum	367.60	
62	r	- do - 12 mm size (SS 5)	1 Cum	344.75	
63		-do- 12mm to 14 mm size (IRC and MORTH)	1 Cum	344.75	
64	S	- do - 20 mm size (SS 5)	1 Cum	279.05	
65		-do- 19 mm to 22 mm size (IRC and MORTH)	1 Cum	279.05	
66	T	- do - 25 mm size (SS 5)	1 Cum	273.35	
67	U	- do - 40 mm size (SS 5)	1 Cum	161.90	
68		-do- 40 mm to 45 mm size (IRC and MORTH)	1 Cum	161.90	
69	V	- do - 50 mm size (SS 5)	1 Cum	142.85	
70		-do- 50 mm to 55 mm size (IRC and MORTH)	1 Cum	142.85	
71	33.w	- do - 65 mm size (SS 5)	1 Cum	135.25	
72		-do- 60 mm to 65 mm size (IRC and MORTH)	1 Cum	135.25	
73	X	- do - 75 mm size (SS 5)	1 Cum	111.45	
74		- do - 75 mm size (IRC &MORTH)	1 Cum	111.45	
75	Y	- do - 75 to 100 mm size (SS 5)	1 Cum	87.60	
76		- do - 75 to 100 mm (IRC& MORTH)	1 Cum	87.60	
		OTHER ITEMS			
77	33.z1	Laterite 40 to 75 mm (ring)	1 Cum	96.20	
78	z2	kankar, hard broken kankar 40 to 75 mm (ring)	1 Cum	71.45	
79	z3	Soling stone of 150 mm size of granite, trap and Dolomite varieties.	1 Cum	90.50	
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	As proposed by WR Dept.
81	z4	Soling stone of 150 mm size other than granite variety	1 Cum	72.40	
82	z5	Soling Stone laterite, Kankar 150mm,	1 Cum	44.75	

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
		surface stone			
83	z6	Field picked metal unbroken 20 mm size	1 Cum	58.10	
84	z7	- do - 25 mm size	1 Cum	43.80	
85	z8	- do - 40 mm size	1 Cum	50.50	
86	z9	- do - 50 mm size	1 Cum	43.80	
87	z10	- do - 60 mm size	1 Cum	38.10	
88	z11	- do - 80 mm size	1 Cum	33.35	
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.			17	
90	34	Gravel	1 Cum	103	As per WR Dept. (M 008 of Material)
91	35 a	Quarry rubbish	1 Cum	84.75	
92	B	HBG Stone Chips 2.36mm and below	1 Cum	333.00	As per WR Dept. (Sl.No.67 of Material)
93	36.a	Fine aggregate / Sand (un-screened) for Concrete & Filtering items) (excluding Seigniorage charges)	1 Cum	610.00	As per WR Dept. (Si. No. 27 of of Material)
94	b.	Fine aggregate / Sand (unscreened) for filling (excluding Seigniorage charges)	1 cum	460.00	
95	c	Fine aggregate / Sand (screened) for Mortar, Plastering items and Sand blasting items (excluding Seigniorage charges) (Rs. 67 is added towards screening charges)	1 Cum	677.00	As per WR Dept. (Si. No. 28 of of Material)
96	37	Clay for puddle and masonry Items 38 (a) to 39 (h) As per local prevailing rates based on competitive quotations.	1 Cum	38	
		(C) LIME AND CEMENT			
97	40 to 41(c)			As per local prevailing rates based on competitive rates	
98	42	Cement excluding cost of empty cement bags	1 MT	Monthly rates as communicated by Govt	
NOTE: (1) The rates are exclusive of VAT and Excise duty 2) The price of cement was reviewed and fixed on monthly basis and rates were as communicated separately.					

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
99	C	Grinding lime mortar or Surkhi mortar	1 Cum	95.25	
100	D	Shell lime slaked and screened	1 Cum	940	
101	E	White cement	1 Kg.	27.95	
102		(D) MORTARS			
103	43 to 45	Items 43 to 45			
		(E) METAL AND IRON WORKS			
104		Mild steel rods 6mm dia.	1 MT	Monthly rates communicated by Govt	
105		Mild steel flats	1 MT		
106		Mild Steel, Structural Steel, I.e., Angles, Channels and I sections.	1 MT		
107		High Yield Strength Deformed Bars/TMT bars	1 MT		
108		Mild steel plates	1 MT		
		NOTE: (1) The rates are exclusive of VAT and Excise duty 2) The prices of steel was reviewed and fixed on monthly basis and rates were communicated separately			
		III RATES OF WORKS			
		(A) CLEARING SITE			
109	1.a	Clearing heavy Jungle	1 Sqm	3.20	
110	b	Clearing light Jungle	1 Sqm	2.80	
111	c	Clearing Scrub Jungle	1 Sqm	2.80	
112	d	Clearing Juliflora (Prosafis) jungle including up-rooting and removing of Juliflora stumps.	1 Sqm	4.40	
113	2.a.1	Cutting and removing Palmyrah trees including stacking of girth 30 to 100 cm.	Each	21	
114	a.2	- do - 100 to 200 cm.	Each	48	
115	2.b.1	Uprooting and removing Palmyrah stumps including stacking of girth 30 to 100 cm.	Each	51	
116	b.2	- do - 100 to 200 cm.	Each	53	
117	2.c.1	Cutting and removing date trees including stacking of girth 30 to 100 cm	Each	26	
118	c.2	- do - 100 to 200 cm	Each	39	
119	2.d.1	Uprooting and removing stumps of date trees including stacking of girth 30 to 100 cm.	Each	26	
120	d.2	- do - 100 to 200 cm	Each	33	
121	2.e 1	Cutting and removing other kind of trees including stacking of girth 30 to 100 cm	Each	33	
122	e.2	- do - 100 to 200 cm	Each	51	
123	e.3	- do - above 200 cm	Each	83	
124	2.f.1	Uprooting and removing stumps of other kind of trees including stacking of girth 30 to 100 cm.	Each	26	

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
125	f.2	- do - 100 to 200 cm	Each	36	
126	f.3	- do - above 200 cm	Each	45	
127	3.a	Uprooting and clearing prickly pear jungle	1 Sqm	2.50	
128	b	- do - under 2.5 meters height including burning and burrying as directed.	1 Sqm	3.30	
129	c	- do - over 2.5 meters height including burning and burrying with an initial lead of conveyance	1 Sqm	3.90	
130	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 metres and lift of 2 metres.	1 Sqm	2.10	
131	b.i	Clearing alchi, tilla	1 Sq.m	4.20	
132	b.ii	Removal of Jammu	1 Sq.m	3.60	
133	c.i	Removal of imponea, cornea	1 Sq.m	4.00	
134	c.ii	Removal of water hyacinth upto 30 cm thick.	1 Sqm	4.10	
135	c.iii	- do - more than 30 cm thick	1 Sq.m	5.50	
136	d	Removal of natchu, goobi, thooti etc., for every extra lead or lift over the initial lead or lift.	1 Sqm	1.50	
		(B) DISMANTLING			
	5	DISMANTLING, CLEARING AWAY MATERIALS USEFUL FOR REUSE.			
137	a.i	Dry rough stone revetment for aprons and stacking within 40 metres	1 cum	65.60	
	7	Drilling holes in hard granite or sheet rock			
	a)	Manually (Hand)			
138	i)	20 mm dia meter	1 RM	136	
139	ii)	25 mm dia meter	1 RM	144	
140	iii)	36 mm dia meter	1 RM	166	
141	b)	Pneumatic Compressor			
142	i)	20 mm dia meter	1 RM	154	
143	ii)	25 mm dia meter	1 RM	167	
144	iii)	36 mm dia meter	1 RM	182	
	8	Grouting the holes with neat cement slurry excluding cost of steel			
145	i)	20 mm dia meter	1 RM	97	
146	ii)	25 mm dia meter	1 RM	122	
147	iii)	36 mm dia meter	1 RM	152	
		White Washing and Painting works			
148	A	White washing and colour banding for guard and guide stones including cost of materials	each	10	
149	B 1	Screening sand and gravel	1 cum	10.50	

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
150	B 2	Screening chips and metal	1 cum	17.60	
151	C	Removing and refixing Hectometre or Demarcation stones	each	12.65	
		(S) ROAD WORK ITEMS			
		PICKING OLD METALLED SURFACE TO DEPTH OF 40 TO 100 mm SPREADING OLD METAL AND NEW METAL SECTIONING INCLUDING EDGEBUNDS 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			
152	A	40 mm thickness	10 sqm	70	
153	B	50 mm thickness	10 sqm	74	
154	C	75 mm thickness	10 sqm	80.30	
155	D	100 mm thickness	10 sqm	87	
156	1 (ii)	(For compact thickness of soft metal)			
157	A	50 mm thickness	10 sqm	53.80	
158	B	75 mm thickness	10 sqm	63.90	
159	C	100 mm thickness	10 sqm	70.10	

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
	5	Picking old metal 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			
160	5 (a)	40 mm thick ness	10 sqm	185	
161	(b)	50 mm thick ness	10 sqm	210	
162	(c)	75 mm thick ness	10 sqm	231	
163	(d)	100 mm thick ness	10 sqm	248.80	
164	(e)	150 mm thick excluding hire charges	10 sqm	445.40	
165		Gelatin(For MORTH data, for works of state & national high ways only)	Per Kg	57.00	As per WR Dept. (M 104 of Material) other than covered under irrigation
166		Electric Detonators(For MORTH data, for works of state & national high ways only)	each	10.00	As per WR Dept. (Si. No. 21 of Materials of WR Dept.)
167		Hot applied thermoplastic compound(For MORTH data, for works of State & National high ways only)	Per litre	Rate as per local competitive quotations	As per WR Dept. (M 118 of Material other than covered under Irrigation Items
168		Reflectionising glass beads of 2 mm thick(For MORTH data, for works of State & National high ways only)	Per Kg		deleted
169		Road marking paint confirming to IS 164(For MORTH data, for works of State & National high ways only)	Per Kg	152.15	
170	n	Labour charges for laying filters with coarse aggregate.	1 cum	55.30	
171	o	Labour charges for laying filter with sand.	1 cum	30.70	
172		Fly Ash	1 cum		deleted
173		Binding Wire	1 Kg	59.00	As per WR Dept. (M 072 of Material) other than covered under irrigation items

RATES OF MATERIALS & WORK ITEMS SSI No.	S.S. Item No.	Description	Unit (per)	Basic Rate for 2015-16 in Rs.	Remarks
1	2	3	4	5	6
174		Jute rope	Mtr	8.35	
175		De bonding strips	Mtr	8.55	
176		Selent	Ltr	53.95	
177		Poly sheet 125 microns	1 sqm	15.25	
178		Rural water rate	1 kl	77.00	

HIRE CHARGES OF PLANT AND MACHINERY

**HIRE CHARGES OF PLANT& MACHNIERY FOR
ROAD & BRIDGE WORKS FOR THE YEAR 2015-16**

Sl. No.	Description		Unit	S o Rate for 2015-16 in Rs.	Remarks
	Machine	Activity			
1	2	3	4	5	6
1	Dozer(D 80)	Spreading	Per Hour	2157.20	As per WR Dept. (S.No.8)
		Cutting			
		Cleaning			
2	Dozer (D50)	Spreading Cutting Cleaning	Per hour	1407.30	
3	Mortor Grader	Clearing	Per Hour	2748.00	
		Spreading			
		GSB			
		WMM			
4	Hydraulic Excavator	Soil Ordinary	Per Hour	2409.30	As per WR Dept. (S.No.52)
		Soil Marshy			
		Soil unsuitable			
5	Front end loader	Soil loading	Per Hour	1432.00	
		Aggregate loading	Per Hour		
6	Tipper- 5.5 Cum	Transportation of soil, GSB,WMM, Hot mix etc	Per Hour	809.90	As per WR Dept. (S.No.54)
7	Vibratory roller 8 tonne	Earth/Soil, GSB,	Per Hour	2308.90	As per WR Dept. (S.No.62)
		WMM			
8	Smooth wheeled roller 8 tonne	Soil compaction ,BM compaction	Per Hour	1056.90	As per WR dept. (S.No.50)
9	Water tanker 8 Kilolitre	Water transport	Per Hour	805.60	As per WR Dept. (S.No.64)
10	Water tanker 6 Kilolitre	Water transport		588.50	
11	Tractor	Pulling	Per Hour	371.60	
12	Tractor with rotavator	GSB mixing @ site	Per Hour	380.60	
13	Tractor with ripper attachment	Scarifying	Per Hour	380.60	
14	Air Compressor 5 cmm(electric)	General purpose	Per Hour	514.00	As per WR Dept. (S.No.2)
15	Wet mix plant 60 TPH	Wet mix	Per Hour	1482.00	
16	Mechanical broom Hydraulic	Surface cleaning	Per Hour	336.80	
17	Bitumen Pressure Distributor	Applying bitumen tack coat	Per Hour	1347.30	

Sl. No.	Description		Unit	S o Rate for 2015-16 in Rs.	Remarks
	Machine	Activity			
1	2	3	4	5	6
18	Emulsion Pressure Distributor	Applying emulsion tack coat	Per Hour	772.50	
19	Hot mix Plant – 120 TPH capacity	DBM/BM/SDC /Premix	Per Hour	25329.00	
20	Hot mix Plant – 100 TPH capacity	DBM/BM/SDC /Premix	Per Hour	21736.00	
21	Hot mix Plant – 60 TPH capacity	DBM/BM/SDC /Premix	Per Hour	19491.00	
22	Hot mix Plant – 40 to 60 TPH capacity	DBM/BM/SDC /Premix	Per Hour	17245.00	
23	Paver Finisher Hydrostatic with sensor control 100 TPH	DBM/BM/SDC /Premix	Per Hour	2748.50	
24	Paver finisher Mechanical 100	Paving of WMM, paving of DLC	Per Hour	2021.00	
25	Hydraulic Chip Spreader	Surface dressing	Per Hour	2420.70	
26	Tandem Road roller	Rolling of Asphaltic surface	Per Hour	1588.50	
27	Pneumatic Road roller	Rolling of Asphaltic surface	Per Hour	1296.80	
28	Pot-Hole repair machine	Repair of pot-holes	Per Hour	796.70	
29	Bitumen boiler oil fired	Bitumen Spraying	Per Hour	196.70	
30	GSB Plant 50 Cum	Producing GSB	Per Hour	1129.00	
31	Mastic Cooker	Mastic wearing coat	Per Hour	70.10	
32	Batching and Mixing Plant (a) 30 Cum capacity	Concrete mixing	Per Hour	1122.20	
	(b) 15 - 20 Cum capacity	Concrete mixing	Per Hour	1001.30	As per WR Dept. (S.No.10)
33	Transit mixer	Transportation of concrete mix	Per Hour	1717.70	As per WR Dept. (S.No.1)
34	Concrete pump of 45 and 30 cum	Pumping of Concrete	Per Hour	690.00	
35	Cranes				
	(a) 80 tonnes	Lifting purpose	Per Hour	1156.90	
	(b) 35 tonnes			781.40	
	(c) 3 tonnes			379.00	

Sl. No.	Description		Unit	S o Rate for 2015-16 in Rs.	Remarks
	Machine	Activity			
1	2	3	4	5	6
	(d)Crane with grab bucket 0.75 cum	Well foundation	Per Hour	2037.10	
	(e)Crane with grab bucket 1 cum	Well foundation	Per Hour	3331.40	
36	Concrete bucket 1.50 cum	For pouring concrete	Per Hour	12.30	As per WR Dept. (S.No.14)
37	Kerb casting machine	Kerb making	Per Hour	592.80	
38	Concrete mixer	Concrete mixing	Per Hour	435.50	As per WR Dept. (S.No.18)
	(a)0.28 cum				
	(b) 1.0 cum	Concrete mixing	Per Hour	594.00	
39	Piling rig with bantonite pump	0.75 m dia to 1.20 m dia boring attachment	Per Hour	5410.00	
40	Concrete paver finisher with 40 HP motor	Paving of concrete surface	Per Hour	2865.00	
41	Integrated stone crusher	Crushing of spalls 100 TPH	Per Hour	8607.00	
		Crushing of spalls 200 TPH	Per Hour	18149.00	
42	Pre stressing jack with pump and access	Stressing of steel wires/ stands	Per Hour	139.20	
43	Generator				
	250 KVA	Generation of electric energy	per hour	1819.30	
	125 KVA		per hour	1298.10	
	100 KVA		per hour	1107.30	
	30 KVA		per hour	802.10	As per WR Dept. (S.No.23)
44	Pneumatic sinking of Plants	Pneumatic sinking of wells	Per K.m.	5030.00	
45	Truck 5.5 cum per 10 tonnes	Material transport	Per her	784.50	As per WR Dept. (S.No.58)
46	Road marking Machine	Road marking	Per Hour	119.50	
47	Mobile slurry seal equipment	Mixing and laying slurry seal	Per Hour	1112.90	
48	Plate compacter	For compacting in medians	Per Hour	52.10	
49	Drilling equipment	For drilling	Per Hour	749.50	As per WR Dept. (S.No.22)

Sl. No.	Description		Unit	S o Rate for 2015-16 in Rs.	Remarks
	Machine	Activity			
1	2	3	4	5	6
Note: The above hire charges of Machinery & Plant includes crew, oils, conveyance of Machinery to site and all other incidental charges					

PUBLIC HEALTH ITEMS

1. S o R 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	Revised SoR For 2015-16		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Meter	136		
	100 mm dia	Meter	158		
	150 mm dia	Meter	187		
	200 mm dia	Meter	223		
	225 mm dia	Meter	242		
	250 mm dia	Meter	257		
	300 mm dia	Meter	370	865	882
	350 mm dia	Meter	461	1037	1058
	400 mm dia	Meter	532	1144	1172
	450 mm dia	Meter	651	1314	1328
	500 mm dia	Meter	712	1423	1643
	600 mm dia	Meter	1056	2152	2554
	700 mm dia	Meter	1348	2674	3429
	800 mm dia	Meter	1659	3535	4472
	900 mm dia	Meter	2094	4442	5581
	1000 mm dia	Meter	2558	5525	7647
	1100 mm dia	Meter	3013	6521	8866
	1200 mm dia	Meter	3591	7684	10366
	1400 mm dia	Meter	4914	9909	14321
	1600 mm dia	Meter	5666	12869	17123
	1800 mm dia	Meter	7452	17081	22975

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

Cost Cement. Rs.4968/- per MT (excluding all taxes and freight).

Steel (M.S. Rods) - Rs.38095/- per MT. (excluding all taxes and freight).

2. S o R 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	Revised SoR For 2015-16		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Each	42.00		
	100 mm dia	Each	43.00		
	150 mm dia	Each	45.00		
	200 mm dia	Each	62.00		
	225 mm dia	Each	64.00		
	250 mm dia	Each	71.00		
	300 mm dia	Each	93.00	133.00	133.00
	350 mm dia	Each	115.00	167.00	167.00
	400 mm dia	Each	128.00	191.00	191.00
	450 mm dia	Each	201.00	253.00	253.00
	500 mm dia	Each	228.00	302.00	302.00
	600 mm dia	Each	310.00	396.00	396.00
	700 mm dia	Each	403.00	530.00	530.00
	800 mm dia	Each	569.00	678.00	678.00
	900 mm dia	Each	681.00	790.00	790.00
	1000 mm dia	Each	795.00	987.00	987.00
	1100 mm dia	Each	972.00	1251.00	1251.00
	1200 mm dia	Each	1180.00	1566.00	1566.00
	1400 mm dia	Each	1522.00	1984.00	1984.00
	1600 mm dia	Each	1945.00	2541.00	2541.00
	1800 mm dia	Each	1986.00	3272.00	3272.00

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

Cost Cement. Rs.4968/- per MT (excluding all taxes and freight).

Steel (M.S. Rods) - Rs.38095/- per MT. (excluding all taxes and freight).

3. S o R 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	Revised SoR For 2015-16		
			NP - 2 Class	NP - 3 Class	NP - 4 Class
	80 mm dia	Meter	171		
	100 mm dia	Meter	194		
	150 mm dia	Meter	225		
	200 mm dia	Meter	276		
	225 mm dia	Meter	300		
	250 mm dia	Meter	320		
	300 mm dia	Meter	449	1109	1176
	350 mm dia	Meter	578	1383	1406
	400 mm dia	Meter	636	1533	1559
	450 mm dia	Meter	793	1691	1703
	500 mm dia	Meter	915	1934	2103
	600 mm dia	Meter	1284	2714	2766
	700 mm dia	Meter	1663	3471	3597
	800 mm dia	Meter	2139	4597	4689
	900 mm dia	Meter	2711	5782	5911
	1000 mm dia	Meter	3305	6503	6990
	1100 mm dia	Meter	3850	7680	8074
	1200 mm dia	Meter	4351	9069	9453
	1400 mm dia	Meter	6235	12009	13415
	1600 mm dia	Meter	7715	15607	16053
	1800 mm dia	Meter	8605	20715	21557

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

Cost Cement. Rs.4968/- per MT (excluding all taxes and freight).

Steel (M.S. Rods) - Rs.38095/- per MT. (excluding all taxes and freight).

4. S o R 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	Revised SoR For 2015-16		
			P1 - Class	P2 - Class	P3 - Class
	80 mm dia	Meter	227	255	290
	100 mm dia	Meter	255	305	353
	150 mm dia	Meter	352	455	562
	200 mm dia	Meter	408	586	775
	225 mm dia	Meter	460	667	863
	250 mm dia	Meter	503	711	902
	300 mm dia	Meter	676	1021	1271
	350 mm dia	Meter	843	1424	1837
	400 mm dia	Meter	1001	1889	2432
	450 mm dia	Meter	1063	2239	2987
	500 mm dia	Meter	1424	2423	3389
	600 mm dia	Meter	1949	3616	4694
	700 mm dia	Meter	2603	4758	5949
	800 mm dia	Meter	3256	5636	7177
	900 mm dia	Meter	3924	6615	
	1000 mm dia	Meter	4973	7575	
	1100 mm dia	Meter	5975		
	1200 mm dia	Meter	6985		

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

Cost Cement. Rs.4968/- per MT (excluding all taxes and freight).

Steel (M.S. Rods) - Rs.38095/- per MT. (excluding all taxes and freight).

8. S o R FOR A.C. PIPES

Sl.No	Description					
1	Manufacture, Supply of A.C. Pressure pipes (mazza process) as per BIS No: 1592/2003 as amended from time to time 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, and excluding excise duty, VAT octroi and other govt. Levies. The pipes shall be tested at factory premises confirming to is code 1592/2003.					
	Size	Unit	Revised SoR For 2015-16			
				Class - 15	Class - 20	Class - 25
	80 mm dia	Rate/Meter		178	194	242
	100 mm dia	Rate/Meter		235	297	366
	125 mm dia	Rate/Meter		306	381	478
	150 mm dia	Rate/Meter		432	537	673
	200 mm dia	Rate/Meter		717	912	1158
	250 mm dia	Rate/Meter		908	1173	1470
	300 mm dia	Rate/Meter		1272	1651	2107
	350 mm dia	Rate/Meter		1553	2017	2539
	400 mm dia	Rate/Meter		2020	2636	3272
	450 mm dia	Rate/Meter		2387	3164	3963
	500 mm dia	Rate/Meter		2955	3873	4864
	600 mm dia	Rate/Meter		4199	5475	6977
	700 mm dia	Rate/Meter		5599	7594	9820
	750 mm dia	Rate/Meter		6381	8766	11237
	800 mm dia	Rate/Meter		7300	9932	12747
	850 mm dia	Rate/Meter		8189	11174	14355
	900 mm dia	Rate/Meter		9129	12483	16056
	1000 mm dia	Rate/Meter		11269	15326	19745
	1. The above rates of AC Pipes are based on the Cement cost of Rs. 4968/- per MT (excluding all taxes and freight). 2. The above rates of AC pipes are based on the Fiber cost of Rs.58984/- per M.T (Excluding all taxes & Frieght)					

9. S o R FOR A.C. COUPLINGS

Sl. No.	Description					
1	2					
1	Manufacture, Supply of A.C Couplings suitable to A.C. Pressure pipes (mazza process) as per BIS: 1592/2003 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 and testing of joints as per IS Code.					
	Size	Unit	Revised SoR For 2015-16			
0				Class - 15	Class - 20	Class – 25
	80 mm dia	Rate/Each		89	96	110
	100 mm dia	Rate/Each		116	123	148
	125 mm dia	Rate/Each		145	159	191
	150 mm dia	Rate/Each		168	211	260
	200 mm dia	Rate/Each		311	335	427
	250 mm dia	Rate/Each		362	455	579
	300 mm dia	Rate/Each		471	610	784
	350 mm dia	Rate/Each		613	792	1012
	400 mm dia	Rate/Each		945	1233	1583
	450 mm dia	Rate/Each		1131	1491	1919
	500 mm dia	Rate/Each		1349	1805	2309
	600 mm dia	Rate/Each		1638	2047	2619
	700 mm dia	Rate/Each		2180	2935	3817
	750 mm dia	Rate/Each		2460	3363	4341
	800 mm dia	Rate/Each		2790	3784	4897
	850 mm dia	Rate/Each		3109	4232	5489
	900 mm dia	Rate/Each		3440	4705	6109
	1000 mm dia	Rate/Each		4198	5721	7456

1. The above rates of AC Coupling are based on the Cement cost of Rs.4968/- per MT (Excluding all taxes and freight).
2. The above rates of AC Coupling are based on the Fiber cost of Rs.58984/- per M.T (Excluding all taxes & Frieght)

11. S o R FOR PRE-STRESSED (NON-CYLINDER) CONCRETE PIPES FOR THE YEAR 2015-16

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., for the following Field/Site Test Pressures.(The manufacture shall design the pipes as per the IS Code 784-2001)							
	Size	Unit	Revised SoR For 2015-16					
			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	2512	2520	2532	2539	2588	2677
	400 MM DIA	Metre	2699	2719	2747	2777	2825	2864
	450 MM DIA	Metre	2862	2872	2901	2952	3024	3086
	500 MM DIA	Metre	3096	3105	3125	3185	3246	3340
	600 MM DIA	Metre	3552	3573	3601	3703	3817	3928
	700 MM DIA	Metre	4368	4376	4436	4527	4680	4788
	800 MM DIA	Metre	5143	5181	5302	5410	5618	5787
	900 MM DIA	Metre	5958	5985	6105	6340	6573	6994
	1000 MM DIA	Metre	6990	7027	7208	7474	7813	8187
	1100 MM DIA	Metre	7926	8014	8215	8646	8978	9387
	1200 MM DIA	Metre	8773	8890	9333	9740	10651	11078
	1300 MM DIA	Metre	9929	10464	11010	11564	12510	13608
	1400 MM DIA	Metre	11340	11958	12604	13631	14609	15370
	1500 MM DIA	Metre	13226	13957	14685	15866	16925	17789
	1600 MM DIA	Metre	14879	15712	16544	18640	19154	20130
	1700 MM DIA	Metre	15650	16235	17053	19080	21190	22209
	1800 MM DIA	Metre	16855	17900	18792	20598	22875	23994
	1900 MM DIA	Metre	18011	18969	20532	21684	23529	26260
	2000 MM DIA	Metre	19776	20978	21984	24093	27348	29449

Note: a) The above rate of PSC pipes are based on the HT wire cost of Rs.49576/-MT (Excluding taxes).
and cement price of Rs.4968/- per MT (Excluding all taxes and freight)

12. S o R FOR PRE-STRESSED (CYLINDER) CONCRETE PIPES FOR THE YEAR 2015-16

SI No.	Description										
1	2										
1	Pre-stressed (Cylinder type) concrete pipes conforming to IS 784/2001 @ ex-factory cost of pipes, excluding transportation, laying, jointing, testing, bends, tees, specials, taxes & duties for the following Field/Site Test Pressures.(The manufacture shall design the pipes as per the IS Code 784-2001)										
	Size	Unit	Revised SoR For 2015-16								
			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	5,292	5,292	5,292	5,292	5,319	5,372	5,464	5,552	5,619
	450 MM DIA	Meter	5,743	5,743	5,746	5,772	5,838	5,918	5,999	6,041	6,093
	500 MM DIA	Meter	6,114	6,114	6,182	6,233	6,288	6,360	6,452	6,510	6,580
	600 MM DIA	Meter	7,012	7,097	7,178	7,257	7,327	7,407	7,532	7,638	7,713
	700 MM DIA	Meter	7,991	8,100	8,196	8,292	8,398	8,496	8,679	8,788	8,922
	800 MM DIA	Meter	9,372	9,497	9,619	9,750	9,882	10,015	10,204	10,381	10,534
	900 MM DIA	Meter	10,665	10,835	10,992	11,159	11,325	11,494	11,994	12,213	12,484
	1000 MM DIA	Meter	12,817	13,011	13,223	13,424	13,625	13,839	14,494	14,787	15,090
	1100 MM DIA	Meter	14,215	14,463	14,708	14,953	15,199	15,457	16,257	16,575	16,922
	1200 MM DIA	Meter	15,799	16,090	16,379	16,678	16,976	17,279	18,232	18,599	19,003
	1300 MM DIA	Meter	17,712	18,055	18,408	18,759	19,110	19,836	20,536	21,062	21,638
	1400 MM DIA	Meter	19,763	20,209	20,663	21,157	22,100	23,161	23,482	23,678	24,612
	1500 MM DIA	Meter	22,939	23,519	23,984	24,449	25,349	25,866	26,535	27,569	28,161
	1600 MM DIA	Meter	25,891	26,598	27,251	28,224	28,810	29,486	30,598	31,255	31,925
	1700 MM DIA	Meter	27,835	28,654	29,387	30,489	31,154	32,577	33,267	34,016	34,781
	1800 MM DIA	Meter	30,479	31,335	33,010	34,049	35,063	36,972	38,634	39,808	40,867
	1900 MM DIA	Meter	35,755	36,580	37,873	38,729	40,436	41,370	42,237	43,175	44,119
	2000 MM DIA	Meter	37,865	39,246	40,157	41,075	42,954	43,984	44,948	45,984	47,038

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

HT Wire: - Rs.49576/- (Excluding all taxes & freight)

HR Coil (Hot Rolled): - Rs.37711/- (Excluding all taxes & freight)

Cement Cost Rs. 4968/- .per MT (Excluding all duties, taxes & freight)

13. S o R FOR BAR WRAPPED STEEL CYLINDRICAL (BWSC) PIPES FOR THE YEAR 2015-16

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 for the following Field/Site Test Pressures.(The manufacture shall design the pipes as per the IS Code 784-2001)											
	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	2,655	2,655	2,655	2,655	2,655	2,655	2,973	3,064	3,112	3,265
	300 MM DIA	Meter	2,970	2,970	2,970	2,970	2,970	3,097	3,552	3,678	3,739	3,947
	350 MM DIA	Meter	3,634	3,634	3,634	3,699	3,864	4,047	4,222	4,396	4,580	4,750
	400 MM DIA	Meter	4,009	4,009	4,002	4,310	4,541	4,761	4,972	5,201	5,442	5,671
	450 MM DIA	Meter	4,503	4,539	4,833	5,108	5,374	5,579	5,817	6,039	6,272	6,847
	500 MM DIA	Meter	4,886	5,208	5,547	5,904	6,266	6,548	6,849	7,104	7,581	8,096
	600 MM DIA	Meter	6,001	6,404	6,909	7,386	7,891	8,452	9,009	9,564	10,147	10,713
	700 MM DIA	Meter	7,352	7,983	8,644	9,304	10,045	10,853	11,579	12,534	13,215	13,945
	800 MM DIA	Meter	8,911	9,679	10,532	11,490	12,541	13,512	14,682	15,471	16,487	17,667
	900 MM DIA	Meter	10,697	11,687	12,742	13,913	15,141	16,352	17,793	18,767	20,168	21,115
	1000 MM DIA	Meter	12,725	13,960	15,398	16,825	18,215	19,890	21,055	22,801	23,792	25,202

											Public Health Items	
	1100 MM DIA	Meter	16,466	16,806	18,375	20,127	21,835	23,716	24,738	26,553	28,333	30,353
	1200 MM DIA	Meter	17,970	19,162	21,071	23,062	25,090	27,504	28,994	31,134	33,074	35,134

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

HR Plates - Rs.37711/- per MT (Excluding all taxes)

Wire rods - Rs.36017/- per MT (Excluding all taxes)

Cement Cost Rs. 4968/-per MT (Excluding all duties, taxes & freight)

14. S o R FOR M.S. PIPES FOR THE YEAR 2015-16

Sl.No.	Description	Unit	Thicknes s in mm	Rate (Rs.)
1	2	3	4	5
1	Manufacture, supply and delivery of M.S Pipes conforming to is 3589/2001 including in lining with cement mortar (1:2) 15mm thick using 4 numbers of 6mm dia M.S.Rings at each end of the pipe and out coating with cement mortar (1:3) 30mm thick by shortcreting or gunetting 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	7901.00
	600 mm dia	Meter	8.00	9427.00
	700 mm dia	Meter	8.00	11005.00
	700 mm dia	Meter	10.00	13614.00
	800 mm dia	Meter	8.00	12642.00
	800 mm dia	Meter	10.00	14454.00
	800 mm dia	Meter	12.00	17057.00
	900 mm dia		8.00	14110.00
	900 mm dia	Meter	10.00	16147.00
	900 mm dia	Meter	12.00	18189.00
	1000 mm dia	Meter	8.00	15857.00
	1000 mm dia	Meter	10.00	18113.00
	1000 mm dia	Meter	12.00	20282.00
	1000 mm dia	Meter	14.00	23369.00
	1100 mm dia	Meter	8.00	18807.00
	1100 mm dia	Meter	10.00	21290.00
	1100 mm dia	Meter	12.00	23774.00
	1100 mm dia	Meter	14.00	27409.00
	1100 mm dia	Meter	16.00	31058.00
	1200 mm dia	Meter	8.00	21321.00
	1200 mm dia	Meter	10.00	24021.00
	1200 mm dia	Meter	12.00	26729.00

	1200 mm dia	Meter	14.00	29452.00
	1200 mm dia	Meter	16.00	33362.00
	1200 mm dia	Meter	18.00	37284.00
	1300 mm dia	Meter	8.00	23285.00
	1300 mm dia	Meter	10.00	26207.00
	1300 mm dia	Meter	12.00	29139.00
	1300 mm dia	Meter	14.00	32078.00
	1300 MM DIA	Meter	16.00	35031.00
	1300 MM DIA	Meter	18.00	39137.00
	1300 MM DIA	Meter	20.00	43255.00
	1400 MM DIA	Meter	8.00	24756.00
	1400 MM DIA	Meter	10.00	27898.00
	1400 MM DIA	Meter	12.00	31051.00
	1400 MM DIA	Meter	14.00	34217.00
	1400 MM DIA	Meter	16.00	37388.00
	1400 MM DIA	Meter	18.00	41764.00
	1400 MM DIA	Meter	20.00	46149.00
	1400 MM DIA	Meter	22.00	50547.00
	1500 MM DIA	Meter	8.00	26499.00
	1500 MM DIA	Meter	10.00	29869.00
	1500 MM DIA	Meter	12.00	33241.00
	1500 MM DIA	Meter	14.00	36628.00
	1500 MM DIA	Meter	16.00	40023.00
	1500 MM DIA	Meter	18.00	43422.00
	1500 MM DIA	Meter	20.00	47967.00
	1500 MM DIA	Meter	22.00	52525.00
	1500 MM DIA	Meter	24.00	57095.00
	1600 MM DIA	Meter	8.00	27985.00
	1600 MM DIA	Meter	10.00	31555.00
	1600 MM DIA	Meter	12.00	35154.00
	1600 MM DIA	Meter	14.00	38762.00
	1600 MM DIA	Meter	16.00	42378.00
	1600 MM DIA	Meter	18.00	46003.00
	1600 MM DIA	Meter	20.00	50811.00
	1600 MM DIA	Meter	22.00	55633.00
	1600 MM DIA	Meter	24.00	60465.00
	1600 MM DIA	Meter	26.00	65308.00
	1700 MM DIA	Meter	8.00	29712.00
	1700 MM DIA	Meter	10.00	33522.00
	1700 MM DIA	Meter	12.00	37341.00

	1700 MM DIA	Meter	14.00	41172.00
	1700 MM DIA	Meter	16.00	45007.00
	1700 MM DIA	Meter	18.00	48856.00
	1700 MM DIA	Meter	20.00	53960.00
	1700 MM DIA	Meter	22.00	59078.00
	1700 MM DIA	Meter	24.00	64204.00
	1700 MM DIA	Meter	26.00	69347.00
	1700 MM DIA	Meter	28.00	74495.00
	1800 MM DIA	Meter	8.00	31456.00
	1800 MM DIA	Meter	10.00	35487.00
	1800 MM DIA	Meter	12.00	39530.00
	1800 MM DIA	Meter	14.00	43585.00
	1800 MM DIA	Meter	16.00	47639.00
	1800 MM DIA	Meter	18.00	51712.00
	1800 MM DIA	Meter	20.00	55790.00
	1800 MM DIA	Meter	22.00	61067.00
	1800 MM DIA	Meter	24.00	66356.00
	1800 MM DIA	Meter	26.00	71654.00
	1800 MM DIA	Meter	28.00	76967.00
	1800 MM DIA	Meter	30.00	82287.00
	1900 MM DIA	Meter	8.00	31892.00
	1900 MM DIA	Meter	10.00	37179.00
	1900 MM DIA	Meter	12.00	41439.00
	1900 MM DIA	Meter	14.00	45714.00
	1900 MM DIA	Meter	16.00	49996.00
	1900 MM DIA	Meter	18.00	54291.00
	1900 MM DIA	Meter	20.00	58586.00
	1900 MM DIA	Meter	22.00	64123.00
	1900 MM DIA	Meter	24.00	69671.00
	1900 MM DIA	Meter	26.00	75232.00
	1900 MM DIA	Meter	28.00	80801.00
	1900 MM DIA	Meter	30.00	86385.00
	1900 MM DIA	Meter	32.00	91975.00
	2000 MM DIA	Meter	8.00	33351.00
	2000 MM DIA	Meter	10.00	38870.00
	2000 MM DIA	Meter	12.00	43356.00
	2000 MM DIA	Meter	14.00	47851.00
	2000 MM DIA	Meter	16.00	52354.00
	2000 MM DIA	Meter	18.00	56870.00
	2000 MM DIA	Meter	20.00	61387.00
	2000 MM DIA	Meter	22.00	65879.00
	2000 MM DIA	Meter	24.00	71565.00

	2000 MM DIA	Meter	26.00	77261.00
	2000 MM DIA	Meter	28.00	82973.00
	2000 MM DIA	Meter	30.00	88691.00
	2000 MM DIA	Meter	32.00	94422.00
	2000 MM DIA	Meter	34.00	100163.00
	2100 MM DIA	Meter	8.00	35038.00
	2100 MM DIA	Meter	10.00	40836.00
	2100 MM DIA	Meter	12.00	45544.00
	2100 MM DIA	Meter	14.00	50248.00
	2100 MM DIA	Meter	16.00	54985.00
	2100 MM DIA	Meter	18.00	59720.00
	2100 MM DIA	Meter	20.00	64463.00
	2100 MM DIA	Meter	22.00	69219.00
	2100 MM DIA	Meter	24.00	75192.00
	2100 MM DIA	Meter	26.00	81176.00
	2100 MM DIA	Meter	28.00	87172.00
	2100 MM DIA	Meter	30.00	93176.00
	2100 MM DIA	Meter	32.00	99194.00
	2100 MM DIA	Meter	34.00	105221.00
	2100 MM DIA	Meter	36.00	111259.00
	2200 MM DIA	Meter	8.00	36495.00
	2200 MM DIA	Meter	10.00	42527.00
	2200 MM DIA	Meter	12.00	47459.00
	2200 MM DIA	Meter	14.00	52394.00
	2200 MM DIA	Meter	16.00	57344.00
	2200 MM DIA	Meter	18.00	62297.00
	2200 MM DIA	Meter	20.00	67265.00
	2200 MM DIA	Meter	22.00	72243.00
	2200 MM DIA	Meter	26.00	84714.00
	2200 MM DIA	Meter	28.00	90963.00
	2200 MM DIA	Meter	30.00	97225.00
	2200 MM DIA	Meter	32.00	103496.00
	2200 MM DIA	Meter	34.00	109782.00
	2200 MM DIA	Meter	36.00	116077.00
	2200 MM DIA	Meter	38.00	122383.00
	2300 MM DIA	Meter	10.00	44493.00
	2300 MM DIA	Meter	12.00	49645.00
	2300 MM DIA	Meter	16.00	59970.00
	2300 MM DIA	Meter	18.00	65151.00
	2300 MM DIA	Meter	20.00	70340.00
	2300 MM DIA	Meter	22.00	75535.00
	2300 MM DIA	Meter	26.00	88567.00

	2300 MM DIA	Meter	28.00	95098.00
	2300 MM DIA	Meter	30.00	101643.00
	2300 MM DIA	Meter	32.00	108197.00
	2300 MM DIA	Meter	34.00	114762.00
	2300 MM DIA	Meter	36.00	121339.00
	2300 MM DIA	Meter	38.00	127926.00
	2300 MM DIA	Meter	40.00	134522.00
	2400MM DIA	Meter	10.00	46183.00
	2400 MM DIA	Meter	12.00	51557.00
	2400 MM DIA	Meter	14.00	57870.00
	2400 MM DIA	Meter	16.00	63264.00
	2400 MM DIA	Meter	18.00	68662.00
	2400 MM DIA	Meter	20.00	74076.00
	2400 MM DIA	Meter	22.00	80339.00
	2400 MM DIA	Meter	26.00	85716.00
	2400 MM DIA	Meter	28.00	91528.00
	2400 MM DIA	Meter	30.00	97350.00
	2400 MM DIA	Meter	32.00	103181.00
	2400 MM DIA	Meter	34.00	109020.00
	2400 MM DIA	Meter	36.00	114873.00
	2400 MM DIA	Meter	38.00	120730.00
	2400 MM DIA	Meter	40.00	120334.00
	2400 MM DIA	Meter	42.00	126207.00
	2500 MM DIA	Meter	10.00	48152.00
	2500 MM DIA	Meter	14.00	59351.00
	2500 MM DIA	Meter	16.00	64963.00
	2500 MM DIA	Meter	18.00	70587.00
	2500 MM DIA	Meter	20.00	76216.00
	2500 MM DIA	Meter	22.00	81858.00
	2500 MM DIA	Meter	28.00	103033.00
	2500 MM DIA	Meter	30.00	110116.00
	2500 MM DIA	Meter	34.00	124310.00
	2500 MM DIA	Meter	36.00	131425.00
	2500 MM DIA	Meter	38.00	138549.00
	2500 MM DIA	Meter	40.00	145683.00
	2500 MM DIA	Meter	42.00	152831.00
	2500 MM DIA	Meter	44.00	159989.00
	2500 MM DIA	Meter	46.00	167158.00
	2600 MM DIA	Meter	12.00	55655.00
	2600 MM DIA	Meter	14.00	61486.00
	2600 MM DIA	Meter	16.00	67323.00
	2600 MM DIA	Meter	18.00	73167.00

	2600 MM DIA	Meter	20.00	79020.00
	2600 MM DIA	Meter	22.00	84881.00
	2600 MM DIA	Meter	32.00	121513.00
	2600 MM DIA	Meter	34.00	128872.00
	2600 MM DIA	Meter	36.00	136241.00
	2600 MM DIA	Meter	38.00	143621.00
	2600 MM DIA	Meter	40.00	151013.00
	2600 MM DIA	Meter	42.00	158418.00
	2600 MM DIA	Meter	44.00	165831.00
	2600 MM DIA	Meter	46.00	173256.00
	2600 MM DIA	Meter	48.00	180693.00

The above rates of MS Spiral pipes are based on the following raw materials cost.
MS Plates = Rs. 37288 /- Per MT.

BUILDINGS ITEMS

GOVERNMENT OF ANDHRA PRADESH



SoR: 2015-2016

Office of the Engineer-In-Chief (R&B) Buildings
Convener-Member,
Committee of Chief Engineers-Buildings-SoR

Procs.No. ENC(B)/DEE-1/SAA3/SoR: 2015-16 Dt: 20-07-2015.

Sub:- Printing of Buildings-SoR for all the Engineering Departments specific to the functioning of Building works – Buildings-SoR:2015-16 – Communication of Buildings-SoR – Reg.,

Ref:- 1. G.O.Rt.No.95, T,R&B (R.1) Dept., dt:18.01.2015.
2. Minutes of Committee of Chief Engineers meetings for finalizing the Building-SoRs held on Dt:27.06.2015

* * * * *

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: 2015-16 in the Minutes of Meeting held on Dt.27.06.2015.

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-2015-16 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: 2015-16. The unauthorized printing & selling of the Buildings-SoR is strictly prohibited.

The revised rates will come into force with effect from 1st June 2015.
The receipt of the proceedings may please be acknowledged.

Enclosed: Buildings SoR: **2015-16**-CD as above

Sri. M. Gangadharam
Engineer-In- Chief (R&B) Admn.,
SR, RSW & Buildings
Convener-Member,
Committee of Chief Engineers-Buildings-SoR

To

1. Engineer-in-Chief (Admn., SR, RSW & Buildings), Roads & Buildings Department, Errummanzil, Hyderabad-82.
2. Chief Engineer (R&B) (Electrical), R&B Department, Errummanzil, Hyderabad-82
3. Engineer-in-Chief, Public Health Department, A,C, Guards, Hyderabad-4.
4. Engineer-in-Chief (P.R.), Panchayat Raj Department, Errummanzil, Hyderabad-82.

5. Engineer-in-Chief, Tribal Welfare & Social Welfare Department, DSS Bhavan, Masab tank, Hyderabad.
6. Chief Engineer (Civil), Tirupathi Tirumala Devasthanams, Tirupati
7. Chief Engineer (AP Housing Board) Gruhakalpa, Nampally, Hyderabad
8. Chief Engineer (Housing Corporation) Urdugally, Himayatnagar, Hyderabad
9. Chief Engineer (APSRTC), RTC 'X' Roads, Musheerabad, Hyderabad.
10. Chief Engineer (APMSIDC), IIIrd Floor, DM&HS Campus, Sultanbazar, Koti, Hyderabad.
11. Chief Engineer (AP Police Housing & Welfare Corporation), Lakdi-ka-pool, Hyderabad.
12. Chief Engineer Vijayawada Municipal Corporation, Vijayawada

Copy also to

1. Engineer-in-Chief (IW)I&CAD, Irrigation Department, Errummanzil, Hyderabad-82.
2. Engineer-in-Chief (Rural Roads) R&B Department, Errummanzil, Hyderabad-82.
3. Chief Engineer (MD & APRDC), R&B Department, Hyderabad
4. Chief Engineer (NH), R&B Department, Errummanzil, Hyderabad-82.
5. Chief Engineer (QC), R&B Department, Errummanzil, Hyderabad-82.
6. Chief Engineer (COT), R&B Department, Errummanzil, Hyderabad-82.
7. Superintending Engineer (Designs & Planning), R&B Department, Errummanzil, Hyderabad-82.
8. Superintending Engineer (R&B), Head Quarters Circle, Errummanzil, Hyderabad-82.

**For Engineer-In- Chief (R&B) Buildings
Convener-Member,
Committee of Chief Engineers-Buildings-SoR**

SCHEDULE OF RATES FOR BUILDING WORKS

FOR THE YEAR 2015-2016
(Effective from 1st June, 2015)

ALL ENGINEERING
DEPARTMENTS

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BUILDINGS SoR: 2015-16 (CIVIL)

PREAMBLE

1.0 INTRODUCTION

The Government have issued orders vide . G.O.Rt.No.95, T,R&B (R.1) Dept., dt:18.01.2015 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 meeting of the above "SoR Committee for Buildings (Civil & Electrical)" was convened on 27.06.2015 with an objective to finalize and release the Buildings-SoR: 2015-16.

2.0 APPLICABILITY OF COMMON SoR – 2015-16

The rates of labour, common materials & work items, Public Health items, conveyance rates of materials & hire charges approved and published in Common SoR-2015-16 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 @ 13.615% shall be allowed in all the data items of the estimates and rates of the finished items in building works where 'Contractors All Risk' policy is dispensed with.
- b. It is reiterated that the provision of 'Over Heads and Contractor's Profit' is applicable to Building works since the advent of the AP. Revised standard data-2009, which is 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.
 - 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% or as applicable on the finished work items as defined in APVAT Act-2005 shall be added in the estimates)
- vii. Work Insurance/ compensation - Works insurance is dispensed with vide G.O. Ms. No: 61 Irrigation & CAD (PW:Reforms) Department Dt. 25-06-2013. Further, It is decided not to insist upon insuring all the building works as provision for this component is already deleted from the 'Overheads & Contractor's Profit' in building works.

4.0 OTHER GUIDELINES

1. Municipal Area Allowance, Agency or Tribal area allowance or any such allowance on the labour components of civil, water supply & sanitary items of building works shall be allowed wherever applicable as per the guidelines and preamble of Common SoR: 2015-16. For the building work estimates taken up in the notified Area Development Authorities constituted by the Government, the Area Allowance on the labour components of civil, water supply & sanitary items of building works may be allowed on specific recommendation from such Area Development Authorities.
2. The rates of the Ready Mix Concrete (RMC) are deleted as the rate analysis is appended in the A.P. Revised Standard Data-2009. In case RMC concrete is procured from the manufacturers the rate shall be as per the rate analysis which is appended at Sl. No 23 in the Buildings Section of A.P. Revised Standard Data-2009, retrospectively.
3. Wherever the concrete pump is used in the data, 8 working hours per day can be considered for rate analysis purpose.
4. For the structures where the Standard and High Strength Concretes vide IS: 456-2000 is required, mix design shall be carried out and rates may be arrived as per the rate analysis appended in the A.P. Revised Standard Data-2009.
5. Certain items in the SoR are deleted due to change in the specification, non-availability in the market, etc
6. The rates of Hire charges for centering & scaffolding for the **SHEAR WALLS, RCC WALLS, WATER TANK WALLS are deleted** from the Buildings SoR with retrospective effect as the same are included in the Public Health section of Common SoR.
7. The Electrical items and corresponding rates as approved and proposed by the Chief Engineer (R&B) Electrical have been considered in the Buildings SoR-2015-16.
8. The rates for the Manholes and inspection chambers are finalized based on the detailed rate analysis.
9. 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 and competitive quotations.

10. Similarly the Vitreous China Ware, Porcelain, Taps & Faucets, G.I Pipes, Valves & Fittings, SWG pipes & fittings and PVC Pipes & fittings have been finalized based on the 'Wholesale Price Indices' published by the Government of India and competitive quotations.
11. 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).
12. 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'.
13. For sand, gravel, murum, stones, coarse aggregates etc, the basic rates are for delivery at site, excluding seigniorage (royalty) charges, unloading charges by machinery / manual means and idle hire charges of machinery shall be allowed (as per table under chapter "conveyance or lead and lift charges") as applicable.
14. For all the materials, the basic rates given in the Buildings SoR are 'landing prices' at the site, except where mentioned specifically.
15. 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. Wherever the term "carriage" or "conveyance" is used in schedule item, it shall be taken to include actual leads, lifts, loading, unloading and stacking to the satisfaction of the technical sanctioning authority while making the price-adjustments.
16. 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.
17. 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.
18. 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 proceeding lead.
19. For building works taken up in the hill areas where the materials are conveyed on ghat roads, the lead distance may be taken as 2.0 times of 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.
20. Loading and unloading charges are not payable for conveyance by head load.
21. Loading and unloading charges are not payable for conveyance by mechanical means, for disposal of excavated material unless specified.
22. The rates for unloading of materials except earth, sand, gravel, coarse aggregate, rubble, size stone and cut stone, are inclusive of stacking wherever applicable.
23. The input rate for the water charges taken in Common Standard Schedule of Rates for the basic data is for the sources at site, any water lead as applicable may be allowed as per the conveyance charges.
24. 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)'.

25. Any errors, omissions, corrections or suggestions shall be brought to the notice of the 'COMMITTEE OF THE CHIEF ENGINEERS (Buildings SoR)' for corrective action.
26. 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.
27. 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'.
28. 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.
29. The estimate preparing authorities are advised to specify the brand names/ manufacturers in the contract documents as per the requirement.
30. 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

1. The Committee of Chief Engineers on Buildings-SoR: 2015-16 (Civil & Electrical) has met in the chambers of Engineer-In-Chief (R&B) Buildings, on **27-06-2015** at **11.00** A.M., and approved the Buildings SoR:2015-16. 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.
2. SSR Rates for Civil, Sanitary & water supply and Electrical Items are purely for the guidance of the officers in 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.
3. 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.
4. The committee has resolved to amend the Standard Data of earth work items such as earth work excavation in all types of soils and rocks and refilling beyond 3.0 M depth, for every 1.0 M depth or part thereof, allowance of 10% extra shall be added over the basic rate.
5. The committee has further resolved that all the amendments that are issued to the A.P. Revised Standard Data-2009 are effective from retrospective date of publication of data approved vide G.O.Ms.No.49 I&CAD (PW-Reforms) Dept., dated: 02-03-2009.

6.0 AMENDMENTS TO A.P. REVISED STANDARD DATA-2009

1. The Committee of Chief Engineers have decided to allow **1%** on cost of materials and labour towards water charges wherever water is required for mixing and curing purposes viz all masonry works including RR Masonry, CRS Masonry, Brick works of all varieties, Plastering works and RCM works, all types of flooring & skirting works. The water charges provision shall be allowed in the data items where the specific provision in the standard data item is missing.
2. Water charges in refilling and filling has to be allowed as given below:

BLD-CSTN-2-8	16	Sand filling			
		Unit = cum			
		Taking output = 1 cum			
		a) Labour			
		Mate	day	-	
		Mazdoor (Unskilled)	day	0.31	
		b) Material			
		Sand	cum	1.00	
		Water	Kl	0.10	
		c & d) Overheads & Contractors Profit			
		Rate per cum = a+b+c+d			

BLD-CSTN-2-9	17	Earth filling (ordinary soil)			
		Unit = cum			
		Taking output = 6 cum			
		a) Labour			
		Mate	day	-	
		Mazdoor (Unskilled)	day	3.12	
		b) Material			
		Water	Kl	0.72	
		c) & d) Overheads & Contractors Profit			
		Cost for 6 cum = a+b+c			
		Rate per cum = (a+b+c)/6			
		Note : Cost of transportation of good quality earth has not been included. Only labour for carrying carted earth with a lead of 50 m to the foundation pits has been taken in the rate. The cost of carted earth/ gravel may be worked out separately if the same is not available from the adjoining area.			

BUILDING ITEMS

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
	A.	BRICKS & BUILDING BLOCKS <i>(Ex-quarry price - including material VAT, loading excluding cost of conveyance, unloading & stacking)</i>			
		ORDINARY CLAY BRICKS			
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	1000 Nos	5200	4672
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	1000 Nos	5850	5256
		FLY-ASH CEMENT/LIME SOLID BLOCKS <i>(ex-quarry price - excluding cost of conveyance, loading & unloading)</i>			
3	BMT-A.03	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 225 x 140 mm	Each	25	21
4	BMT-A.04	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 200 x 140 mm	Each	23	19
5	BMT-A.05	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 150 x 140 mm	Each	20	17
6	BMT-A.06	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 112/100 x 140 mm	Each	14	12
7	BMT-A.07	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 225 x 100 x 60 mm	Each	7	6
8	BMT-A.08	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 145 x 225 x 140 mm	Each	15	13
9	BMT-A.09	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 145 x 200 x 140 mm	Each	12	10
10	BMT-A.10	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 225 x 140 mm	Each	24	20
11	BMT-A.11	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 200 x 140 mm	Each	19	16

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
12	BMT-A.12	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 150 x 140 mm	Each	20	17
13	BMT-A.13	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 112/100 x 140 mm	Each	11	9
14	BMT-A.14	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 225 x 100 x 60 mm	Each	5	4
15	BMT-A.15	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 145 x 225 x 140 mm	Each	12	10
16	BMT-A.16	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 145 x 200 x 140 mm	Each	11	9
17	BMT-A.17	Supply of well burnt cinder aggregates as per IS: 2686-1977	1 Cum	670	567
		AUTOCLAVED CONCRETE BLOCKS (landing cost - including cost of conveyance, loading & unloading)			
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 - 600 x 200 x 100 mm	Each	56	47
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 - 600 x 200 x 150 mm	Each	82	69
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 - 600 x 200 x 200 mm	Each	110	93
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 ² 600 x 200 x 230 mm	Each	125	106
		B. NATURAL FLOORING STONES (Ex-quarry price - including material VAT, loading excluding cost of conveyance, unloading & stacking)			
		LOCALLY AVAILABLE FLOORING STONES			
22	BMT-B.01	Kadapa slab 40 mm thick and size not less than 0.457 M x 0.457 M	1 Sqm	96	81

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
23	BMT-B.02	Kadapa slab 50 mm thick and size not less than 0.457 M x 0.457 M	1 Sqm	110	93
24	BMT-B.03	Shahabad /Tandur Rough Stone slabs of minimum of 25 mm thick	10 Sqm	961	814
25	BMT-B.04	Shahabad / Tandur Rough Stone slabs of minimum 40 mm thick	10 Sqm	1239	1049
26	BMT-B.05	Polished Shahabad/ Tandur stone slabs of 15 to 18 mm thick	10 Sqm	1654	1400
27	BMT-B.06	Polished black Kadapa slabs minimum of 15 mm thick (0.457x0.457M)	10 Sqm	1379	1167
28	BMT-B.07	Polished Bethamcherla pure (marble type) white stone minimum 25 mm thick (0.254Mx0.254M)	10 Sqm	3859	3267
29	BMT-B.08	Polished Bethamcherla coloured stone minimum 25 mm thick (0.254M x0.254M)	10 Sqm	2756	2333
		NATURAL FLOORING STONES - GRANITE			
30	BMT-B.09	High Polished Granite 16 to 18 mm thick up to 2.43 M other than black/ premium colours	1 Sqm	3183	2695
31	BMT-B.10	High Polished Granite 16 to 18 mm thick up to 2.43 M other than black and regular colours	1 Sqm	2767	2342
32	BMT-B.11	High Polished Granite 16 to 18 mm thick up to 2.43 M black	1 Sqm	2352	1991
		NATURAL FLOORING STONES - MARBLE			
33	BMT-B.12	Polished Marble slabs of Dongari/ Adanga/ Marodh/ Rajgangpur etc., variety of thickness between 16 mm to 20 mm of sizes from 600 mm to 900 mm	1 sqm	729	617
34	BMT-B.13	Polished Marble slabs of Dongari/ Adanga/ Marodh/ Rajgangpur etc., variety of thickness between 16 mm to 20 mm of sizes up to 600 mm	1 sqm	589	499
35	BMT-B.14	Polished Marble slabs of any variety and gang saw cut (Such as Dongari/ Adanga/ Marodh/ Rajgangpur etc) 16 mm to 20 mm (average) thick (0.610 M width of any length)	1 sqm	999	846
36	BMT-B.15	Polished Marble Tiles of 8 - 10 mm thickness of all sizes and varieties	1 sqm	476	403
37	BMT-B.16	Granite stone tiles 8 mm thick (mirror polished of all shades)	1 sqm	1079	913

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
38	BMT-B.17	Polished black Kadapa slabs of all sizes between 25 - 30 mm thickness	10 Sqm	1654	1400
	C.	WALL & FLOOR TILES (Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)			
39	BMT-C.01	Supply of Ceramic floor tiles of notless than 7.3mm thick 1st quality in all shades and designs	1 sqm	Deleted	Deleted
40	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	Deleted	Deleted
41	BMT-C.03	Supply of decorated white background glazed wall tiles of any size and of 5 to 7 mm thick	1 sqm	Deleted	Deleted
42	BMT-C.04	Supply of screenprinted, decorated coloured background glazed wall tiles of any size and of 5 to 7 mm thick	1 sqm	Deleted	Deleted
43	BMT-C.05	Supply of decorated coloured background glazed wall tiles of any size and of 5 to 7 mm thick	1 sqm	Deleted	Deleted
44	BMT-C.06	Supply of 1st quality, plain white glazed wall tiles of any size and of 5 to 7 mm thick	1 sqm	Deleted	Deleted
45	BMT-C.07	Supply of 1st Quality, glazed plain coloured wall tiles of any size and of 5 to 7 mm thick	1 sqm	Deleted	Deleted
46	BMT-C.08	Supply of precast terrazzo tiles 20 mm thick of medium shades	1 sqm	Deleted	Deleted
47	BMT-C.09	Supply of precast terrazzo tiles 20 mm thick of dark shades	1 Sqm	Deleted	Deleted
48	BMT-C.10	Supply of coloured precast terrazzo tiles of 20 mm thick	1 Sqm	Deleted	Deleted
49	BMT-C.11	Supply of white/ plain precast terrazzo tiles of 20 mm thick	1 Sqm	Deleted	Deleted
50	BMT-C.12	Supply of grey precast terrazzo tiles of 20 mm thick	1 Sqm	Deleted	Deleted
51	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	Deleted	Deleted
52	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	Deleted	Deleted
53	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	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
54	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	Deleted	Deleted
55	BMT-C.17	Supply of vitrified polished floor tiles of size not less than 400 x 400 x 7mm thickness normal colours	1 Sqm	Deleted	Deleted
56	BMT-C.18	Supply of glass mosaic tiles 1st quality of size 20x20x4 mm thick	1 Sqm	Deleted	Deleted
57	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	Deleted	Deleted
58	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	Deleted	Deleted
59	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	Deleted	Deleted
60	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	Deleted	Deleted
61	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	Deleted	Deleted
62	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	Deleted	Deleted
63	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	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
64	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	Deleted	Deleted
65	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	Deleted	Deleted
66	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	Deleted	Deleted
67	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	Deleted	Deleted
68	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	Deleted	Deleted
69	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	Deleted	Deleted
70	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	Deleted	Deleted
71	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	Deleted	Deleted
72	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	Deleted	Deleted
73	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	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
74	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	Deleted	Deleted
75	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	Deleted	Deleted
76	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	Deleted	Deleted
77	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	Deleted	Deleted
78	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	Deleted	Deleted
79	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	Deleted	Deleted
80	BMT-C.42	Supply of plain exterior wall tiles of thickness 20 mm of any size for wall claddings	1 Sqm	Deleted	Deleted
81	BMT-C.43	Supply of exterior design wall tiles of thickness 20 mm of any size for wall claddings	1 Sqm	Deleted	Deleted
82	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	Deleted	Deleted
83	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	Deleted	Deleted
84	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	Deleted	Deleted
85	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	Deleted	Deleted
86	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	Deleted	Deleted
87	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	Deleted	Deleted
88	BMT-C.50	Vitrified polished floor tiles of size not less than 1000 x 1000 x 10 mm thickness with nano technology printing and high	1 Sqm	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		glossy finish/ premium colours			
89	BMT-C.51	Vitrified polished floor tiles of size not less than 795 x 795 mm x 8 mm thickness with nano technology printing and high glossy finish/ premium colours special series	1 Sqm	Deleted	Deleted
90	BMT-C.52	Vitrified polished floor tiles of size not less than 598 x 598 mm x 8 mm thickness with nano technology printing and glossy finish permium colours high glossy finish/ premium colours special series	1 Sqm	Deleted	Deleted
91	BMT-C.53	Vitrified polished floor tiles of size not less than 900 x 900 mm x 10 mm thickness with nano technology printing and glossy finish permium colours high glossy finish/ premium colours special series	1 Sqm	Deleted	Deleted
		NON-PORCELAIN CERAMIC FLOOR TILES			
92	BMT-C.54	Supply of Non-skid red or white full body Ceramic floor tiles of size 300 x 300 mm and thickness between 7-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	450	381
93	BMT-C.55	Supply of Non-skid red or white full body Ceramic floor tiles of size 400 x 400 mm and thickness between 7-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	560	474
94	BMT-C.56	Supply of Non-skid red or white full body Ceramic floor tiles of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	635	538
95	BMT-C.57	Supply of Non-skid red or white full body Ceramic floor tiles of scratch free-stain free and scratch free-nano finish of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	650	550
		PORCELAIN VITRIFIED FLOOR TILES			
96	BMT-C.58	Supply of ordinary soluble salt porcelain vitrified tiles screen printed and polished of size 400 x 400 mm and thickness between 8-9 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	560	474
97	BMT-C.59	Supply of soluble salt porcelain vitrified tiles screen printed and polished of size 600 x 600 mm and thickness between 8-	1 Sqm	635	528

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs			
98	BMT-C.60	Supply of Nano polished /stain free soluble salt porcelain vitrified tiles screen printed of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	675	571
99	BMT-C.61	Supply of Nano polished soluble salt porcelain vitrified tiles screen printed of size 800 x 800 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1123	951
100	BMT-C.62	Supply of Double charged / multi charged stain free full body porcelain vitrified tiles with double layer pigment of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	940	796
101	BMT-C.63	Supply of Double charged / multi charged stain free full body porcelain vitrified tiles with double layer pigment of size 800 x 800 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1522	1288
102	BMT-C.64	Supply of Double charged / multi charged stain free full body porcelain vitrified tiles with double layer pigment of size 1000 x 1000 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1522	1277
103	BMT-C.65	Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and of size 800 x 800 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1039	864
104	BMT-C.66	Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and of size 900 x 900 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1274	1079
105	BMT-C.67	Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free	1 Sqm	1747	1479

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		and of size 1000 x 1000 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs			
106	BMT-C.68	Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and of size 1200 x 600 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1932	1636
107	BMT-C.69	Supply of full body heavy duty industrial variety porcelain vitrified tile of size 300 x 300 / 200 x 100 mm and thickness between 10-12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1099	930
108	BMT-C.70	Supply of full body heavy duty industrial variety / tact porcelain vitrified tile of size 300 x 300 / 200 x 100 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1210	1024
109	BMT-C.71	Supply of full body heavy duty industrial variety porcelain vitrified tile of size 300 x 300 / 200 x 100 mm and thickness between 18-20 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1390	1177
110	BMT-C.72	Supply of full body heavy duty industrial variety porcelain vitrified tile of size 400 x 400 mm and thickness between 10 - 12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1210	1024
111	BMT-C.73	Supply of full body heavy duty industrial variety porcelain vitrified tile of size 600 x 600 mm and thickness between 10 - 12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1391	1178
		CERAMIC WALL TILES			
112	BMT-C.74	Supply of glazed red or white full body ceramic wall tiles of size 200 x 300 mm / 245 mm x 325 mm and thickness 6 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	660	559

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
113	BMT-C.75	Supply of glazed red or white full body ceramic wall tiles of size 300 x 450 mm / 320 mm x 400 mm and thickness 6 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	730	618
114	BMT-C.76	Supply of glazed red or white full body ceramic wall tiles of size 300 x 600 mm and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	815	690
		PORCELAIN WALL TILES			
115	BMT-C.77	Supply of glazed full body porcelain wall tiles of size 300 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	691	536
116	BMT-C.78	Supply of digital / polished glazed full body porcelain wall tiles of size 300 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	691	536
117	BMT-C.79	Supply of digital / polished glazed full body porcelain highlighter wall tiles of size 300 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	795	617
118	BMT-C.80	Supply of screen printed glazed full body porcelain wall tiles of size 300 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	865	672
119	BMT-C.81	Supply of glazed full body porcelain wall tiles of size 400 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	986	765

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
120	BMT-C.82	Supply of glazed full body porcelain wall tiles of size 600 x 800 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 7-9 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1134	880
121	BMT-C.83	Supply of glazed full body porcelain premium plain design highlighter combination floor and wall tiles set with floor tiles of thickness 14-16 mm and wall tiles of thickness 8-10 mm but excluding highlighters 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1213	942
122	BMT-C.84	Supply of glazed full body porcelain premium plain design highlighter combination floor and wall tiles set with floor tiles of thickness 14-16 mm and wall tiles of thickness 8-10 mm but including highlighters 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1243	965
123	BMT-C.85	Providing and fixing wall dado with epoxy emulsion grout/ synthetic/ resin based adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles	1 Sqm	331	257
124	BMT-C.86	Providing and fixing wall dado with cement based adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles	1 Sqm	167	130
125	BMT-C.87	Providing and fixing flooring with full depth jointing and pointing to the Vitrified/ Ceramic Tile flooring in specified thick for tiles of any sizes with epoxy emulsion grout/ synthetic / resin adhesive in width of 3-5 mm with Nylon spacers excluding cost of tiles.	1 Sqm	349	271
126	BMT-C.88	Providing and fixing flooring with full depth jointing and pointing to the Vitrified/ Ceramic Tile flooring in specified thick for tiles of any sizes with cement based adhesive in width of 3-5 mm with Nylon spacers excluding cost of tiles .	1 Sqm	176	137
127	BMT-C.89	Providing and fixing flooring with full depth jointing and pointing to the Marble/ Granite flooring for any sizes with epoxy emulsion grout/ synthetic / resin based adhesive in width of 3-5 mm excluding cost of tiles.	1 Sqm	698	542
128	BMT-C.90	Providing and fixing flooring with full depth jointing and pointing to the Marble/ Granite flooring for any sizes with cement based adhesive in width of 3-5 mm excluding cost of tiles.	1 Sqm	352	273

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		GLASS MOSAIC TILES			
129	BMT-C.91	Supply of glazed full body glass mosaic tiles of 20 x 20 x 4 mm thick in specified pattern 1st Quality of any colour and design	1 Sqm	1310	1017
130	BMT-C.92	Providing Glass Mosaic tiles using specified pattern fixing in specified thick epoxy emulsion grout of epoxy resins and filler powder of approved colour grout including all taxes excluding cost of tiles	1 Sqm	294	228
131	BMT-C.93	Providing Glass Mosaic tiles using specified pattern fixing in specified thick cementitious powder mix cement grout and approved colour grout including all taxes excluding cost of tiles	1 Sqm	113	88
		WALL CLADDING TILES			
132	BMT-C.94	Supply of glazed full body porcelain tiles for external cladding purposes of any size and thickness between 6-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	592	460
133	BMT-C.95	Supply of glazed red or white full body ceramic tiles for external cladding purposes of any size and thickness between 5-7 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	430	334
134	BMT-C.96	Supply of glazed red or white full body ceramic tiles for external cladding purposes of any size and thickness between 10-12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	447	347
135	BMT-C.97	Supply of glazed red or white full body ceramic tiles for external cladding purposes of any size and thickness between 18-20 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	572	444
		D. PAVING & INTERLOCKING TILES (landing cost - including cost of conveyance, loading & unloading)			
136	BMT-D.01	Supplying precast terrazzo chequered tiles conforming to IS: 13801 using marble aggregates of size 10 mm , sand, marble powder, white cement pigments etc., with terrazzo topping not less than 6 mm of tiles overall size not less than 20 mm thick	1 sqm	314	266

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		of any coloured shades.			
137	BMT-D.02	Chequered Terrazzo tiles of 22 mm thick (Dark shade) 0.254 M x 0.406 M	1 sqm	deleted	
138	BMT-D.03	Supplying precast terrazzo tiles conforming to IS: 13801 using marble aggregates of size 10 mm , sand, marble powder, white cement pigments etc., with terrazzo topping not less than 6 mm of tiles overall size not less than 20 mm thick white shades.	1 sqm	288	244
139	BMT-D.04	Supplying precast terrazzo plain tiles conforming to IS: 13801 using marble aggregates of size 10 mm , sand, marble powder, white cement pigments etc., with terrazzo topping not less than 6 mm of tiles overall size not less than 20 mm thick any coloured shades.	1 sqm	306	259
140	BMT-D.05	Chequered Terrazzo tiles of 30 mm thick (medium shade) 0.305 M x 0.305 M	1 sqm	deleted	Deleted
141	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	deleted	Deleted
142	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	deleted	Deleted
143	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	deleted	Deleted
144	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	deleted	Deleted
145	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	deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
146	BMT-D.11	Supply of high strength Cement Concrete interlocking Regular Pedestrian 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	deleted	Deleted
147	BMT-D.12	Supply of high strength Cement Concrete interlocking Regular Pedestrian 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	deleted	Deleted
148	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	deleted	Deleted
149	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	deleted	Deleted
150	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	deleted	Deleted
151	BMT-D.16	Supply of Cement Concrete interlocking cement grade finish non-reflective Pavers of 60 mm thickness and dumbell, zig-zag, I-block shapes etc., inclusive of all taxes	1 Sqm	deleted	Deleted
152	BMT-D.17	Supply of Cement Concrete interlocking cement grade finish non-reflective Pavers of 80 mm thickness and dumbell, zig-zag, I-block shapes etc., inclusive of all taxes	1 Sqm	deleted	Deleted
153	BMT-D.18	Supply of Cement Concrete interlocking cement grade finish non-reflective Pavers of 100 mm thickness and dumbell, zig-zag, I-block shapes etc., inclusive of all taxes	1 Sqm	deleted	Deleted
		CEMENT CONCRETE FLOOR TILES (PLAIN & CHEQUERED)			
154	BMT-D.19	Supplying plain Cement Concrete general purpose tiles conforming to IS: 13801 using aggregates, cement, pigments of size 300 x 300 mm and thickness 20 mm of any shades.	1 Sqm	270	229
155	BMT-D.20	Supplying Chequered Cement Concrete heavy duty tiles conforming to IS: 13801 using aggregates, cement, pigments of size 300 x 300 mm and thickness 20 mm of any shades.	1 Sqm	284	240
156	BMT-D.21	Supplying plain Cement Concrete general purpose tiles conforming to IS: 13801 using aggregates, cement, pigments of size 300 x 300 mm and thickness 25 mm of any shades.	1 Sqm	288	244

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
157	BMT-D.22	Supplying Chequered Cement Concrete heavy duty tiles conforming to IS: 13801 using aggregates, cement, pigments of size 300 x 300 mm and thickness 25 mm of any shades.	1 Sqm	302	256
158	BMT-D.23	Supplying plain Cement Concrete general purpose tiles conforming to IS: 13801 using aggregates, cement, pigments of size 400 x 400 mm and thickness 25 mm of any shades.	1 Sqm	314	266
159	BMT-D.24	Supplying Chequered Cement Concrete heavy duty tiles conforming to IS: 13801 using aggregates, cement, pigments of size 400 x 400 mm and thickness 25 mm of any shades.	1 Sqm	330	279
160	BMT-D.25	Supply of high strength Cement Concrete plain Step tiles with edge half rounded and grooved conforming to IS: 13801 using aggregates, cement, pigments of regular colour, design and of 25 mm thickness	1 Sqm	471	399
161	BMT-D.26	Supply of high strength Cement Concrete terrazzo/pre-polished/ chequered Step tiles with edge rounded and grooved conforming to IS: 13801 using aggregates, cement, pigments of any premium colour, design and of 25 mm thickness	1 Sqm	495	419
		PRE-CAST CONCRETE BLOCKS FOR PAVING			
162	BMT-D.27	Supply of precast concrete blocks for paving of M-30 grade and thickness not less than 50 mm for Non-traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification	1 Sqm	335	284
163	BMT-D.28	Supply of precast concrete blocks for paving of M-35 grade and thickness not less than 60 mm for Light traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification	1 Sqm	362	306
164	BMT-D.29	Supply of precast concrete blocks for paving of M-40 grade and thickness not less than 80 mm for Medium traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification	1 Sqm	518	439
165	BMT-D.30	Supply of precast concrete blocks for paving of M-50 grade and thickness not less than 100 mm for Heavy traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification	1 Sqm	571	483
166	BMT-D.31	Supply of precast concrete blocks for paving of M-55 grade and thickness not less than 120 mm for very heavy traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification	1 Sqm	649	549

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
167	BMT-D.32	Labour charges for laying & fixing of precast concrete blocks for paving of all grades, any thickness, all sizes & shapes including all labour charges for loading & unloading, laying to desired lines and levels complete excluding cost of cement, sand, water, electricity etc	1 Sqm	207	175
	E.	TIMBER & ROOFING MATERIALS (Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)			
		<i>Note: Before proposing the Teak Wood Items, the estimating authorities shall obtain prior approval from the competent authority</i>			
168	BMT-E.01	Medium Teak Wood scantlings: up to 2.0 M	1 cum	80094	67804
169	BMT-E.02	Medium Teak Wood scantlings: 2.0 to 3.0 M	1 cum	88994	75339
170	BMT-E.03	Medium Teak Wood scantlings: above 3.0 M	1 cum	97894	82873
171	BMT-E.04	Medium Teak Wood Plancks: any thickness	1 cum	160189	135610
172	BMT-E.05	Best Teak Wood scantlings: up to 2.0 M	1 cum	137941	116775
173	BMT-E.06	Best Teak Wood scantlings: 2.0 to 3.0 M	1 cum	146840	124309
174	BMT-E.07	Best Teak Wood scantlings: above 3.0 M	1 cum	155740	131843
175	BMT-E.08	Best Teak Wood Plancks: any thickness	1 cum	173539	146911
176	BMT-E.09	Burma Teak Wood scantlings: up to 2.0 M	1 cum	189545	160461
177	BMT-E.10	Burma Teak Wood scantlings: 2.0 to 3.0 M	1 cum	194959	165045
178	BMT-E.11	Burma Teak Wood scantlings: above 3.0 M	1 cum	205056	173592
179	BMT-E.12	Burma Teak Wood Plancks: any thickness	1 cum	222040	187970

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
180	BMT-E.13	Assam Teak Wood scantlings: any length	1 cum	50812	43015
181	BMT-E.14	Assam Teak Wood Plancks: any thickness	1 cum	73679	62374
182	BMT-E.15	Sal Wood scantlings: any length	1 cum	51994	44016
183	BMT-E.16	Sal Wood Plancks: any thickness	1 cum	69327	58690
184	BMT-E.17	A.C sheet Corrugated 6 mm thick	1 sqm	222	188
185	BMT-E.18	A.C sheet plain 4 m thick	1 sqm	159	135
186	BMT-E.19	A.C sheet plain 6 m thick	1 sqm	165	140
187	BMT-E.20	Plain or Corrugated Galvanized iron sheets as per IS 277 (0.1 mm to 0.8 mm thickness)	1 kg	60	51
188	BMT-E.21	Supply of UV resistant multi-wall polycarbonate sheets for roofing of any colour - 6 mm thick	1 Sqm	1290	1092
189	BMT-E.22	Aluminium universal glazing set 40 mm wide for jointing and fixing polycarbonate sheets	1 RM	128	108
		F. MILD, GALVANIZED & STAINLESS STEEL (Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)			
190	BMT-F.01	Mild Steel Hallow single rebate general putpose door frames manufactured using cold roll formed process steel sheet of 1.25 mm thick bright (Cold Rolled Close Annealed (CRCA) and profile-B of size 105 x 60 mm conforming to IS 4351 - 2003 including pretreatment, phosphating with Hinges, Base Ties, Holdfast Lugs, Mortar Guards, shock absorbers and provision for Tower Bolts, Aldrops, Lock & Strike plates etc. for both single and double shutter doors	1 Rm	378	320
191	BMT-F.02	Country Nails	1 Kg	61	52
192	BMT-F.03	Wire Nails	1 Kg	61	52
193	BMT-F.04	Mild Steel Tubes & pipes of all diameters as per IS-1161	1 Kg	61	52

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
194	BMT-F.05	Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters - 202 Grade	1 Kg	deleted	deleted
195	BMT-F.06	Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters for - 304 Grade	1 Kg	391	331
196	BMT-F.07	Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type A - IOWA Type Designation as per standard specification	1 Kg	82	69
197	BMT-F.08	Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type B - Glidden Type Designation as per standard specification	1 Kg	82	69
198	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	146	124
199	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	146	124
200	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	146	124
201	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	200	169
202	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	200	169
203	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	200	169
204	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	228	193
205	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	228	193
206	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	228	193
207	BMT-F.18	Galvanized Iron fly proof wire mesh of not less than 20 gauge	1 Sqm	217	184
208	BMT-F.19	Stainless steel fly proof wire mesh of not less than 20 gauge	1 Sqm	527	446

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
209	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	477	404
210	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	378	320
211	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	322	273
212	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	239	202
213	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	575	487
214	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	477	404
215	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	393	333
216	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	307	260
217	BMT-F.28	Rabbit wire mesh (chicken mesh) of not less than 30 gauge	1 Sqm	17	14
218	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	2861	2422
219	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	1 Sqm	2503	2119

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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			
220	BMT-F.31	Powder Coated Mild Steel Hallow single rebate door frames manufactured using cold roll formed process steel sheet of 1.25 mm thick bright (Cold Rolled Close Annealed (CRCA) and profile size of 105 x 60 mm conforming to IS 4351 - 2003 including pretreatment, Galvanized as per IS:277, zinc phosphating finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability/Epoxy polyester powder for powder coating paint thickness 60 – 65 microns(Dry film thickness)Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame with Hinges, Base Ties, Holdfast Lugs, Mortar Guards, shock absorbers and provision for Tower Bolts, Aldrops, Lock & Strike plates etc. for both single and double shutter doors	1 RM	696	589
221	BMT-F.32	Supply and Fixing Door Frames made of Skin pass galvanized Iron Sheet (conform to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams/ Sq.mtr) with pure polyester powder coating of 60 - 65 Microns (Dry Film thickness) manufactured from 1.2 mm thick galvanized steel sheet formed to single rebate profile of size 100 mm x 58 mm fitted with "TEE" anchors and supplied to knock down /welded form with Miter Joint for Bolted Assembly at site, cleaned and coated with Polyurethane powder coating of thickness 65 – 75 microns (Dry Film Thickness) & Oven Baked at 200 Degree Centigrade for Wood Grain finish, Stainless Steel Ball Bearing Butt Hinges of 102 x 76 x 3mm thick fixed flush to the frame	1 RM	deleted	deleted
222	BMT-F.33	Supply and Fixing Door Frames made of Skin pass galvanized Iron Sheet (conform to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams/ Sq.mtr) with pure polyester powder coating of 60 - 65 Microns (Dry Film thickness) manufactured from 1.2 mm thick galvanized steel sheet formed to double rebate profile of size 148 mm x 58 mm fitted with "TEE" anchors and supplied to knock down /welded form with Miter Joint for Bolted Assembly at site, cleaned and coated with Polyurethane powder coating of thickness 65 – 75 microns (Dry Film Thickness) & Oven Baked at 200 Degree Centigrade for Wood Grain finish, Stainless Steel Ball Bearing Butt Hinges of 102 x 76 x 3mm thick fixed flush to the frame	1 RM	deleted	deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
	G.	FIXTURES FOR DOORS & WINDOWS			
232	BMT-G.01	Brass Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	177	150
233	BMT-G.02	Brass Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	260	220
234	BMT-G.03	Brass Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	347	294
235	BMT-G.04	Brass Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	431	365
236	BMT-G.05	Brass Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	530	449
237	BMT-G.06	Aluminium Tower Bolt-10 mm Bolt (IS:204) 75 mm Long	Each	77	65
238	BMT-G.07	Aluminium Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	95	80
239	BMT-G.08	Aluminium Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	114	97
240	BMT-G.09	Aluminium Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	141	119
241	BMT-G.10	Aluminium Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	170	144
242	BMT-G.11	Aluminium Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	198	168
243	BMT-G.12	Aluminium Tower Bolt-10 mm Bolt (IS:204) 350 mm Long	Each	534	452
244	BMT-G.13	Aluminium Tower Bolt-10 mm Bolt (IS:204) 450 mm Long	Each	676	572
245	BMT-G.14	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	26	22
246	BMT-G.15	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	38	32
247	BMT-G.16	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	56	47
248	BMT-G.17	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	75	63

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
249	BMT-G.18	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	93	79
250	BMT-G.19	Brass Butt hinges (IS:205)- 75 mm Long	Each	73	62
251	BMT-G.20	Brass Butt hinges (IS:205)- 100 mm Long	Each	240	203
252	BMT-G.21	Brass Butt hinges (IS:205)- 125 mm Long	Each	290	246
253	BMT-G.22	Brass Butt hinges (IS:205)- 150 mm Long	Each	383	324
254	BMT-G.23	Aluminium Butt hinges (IS:205)- 75 mm Long	Each	111	94
255	BMT-G.24	Aluminium Butt hinges (IS:205)- 100 mm Long	Each	132	112
256	BMT-G.25	Aluminium Butt hinges (IS:205)- 125 mm Long	Each	159	135
257	BMT-G.26	Aluminium Butt hinges (IS:205)- 150 mm Long	Each	165	140
258	BMT-G.27	MS-Powder Coated Butt hinges (IS:205)- 75 mm Long	Each	12	10
259	BMT-G.28	MS-Powder Coated Butt hinges (IS:205)- 100 mm Long	Each	23	19
260	BMT-G.29	MS-Powder Coated Butt hinges (IS:205)- 125 mm Long	Each	34	29
261	BMT-G.30	MS-Powder Coated Butt hinges (IS:205)- 150 mm Long	Each	44	37
262	BMT-G.31	Aluminium Door Handles (IS:208) 75 mm Long	Each	75	63
263	BMT-G.32	Aluminium Door Handles (IS:208) 100 mm Long	Each	84	71
264	BMT-G.33	Aluminium Door Handles (IS:208) 125 mm Long	Each	126	107
265	BMT-G.34	Aluminium Door Handles (IS:208) 150 mm Long	Each	140	119
266	BMT-G.35	MS-Powder Coated Door Handles (IS:208) 125 mm Long	Each	34	29

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
267	BMT-G.36	MS-Powder Coated Door Handles (IS:208) 150 mm Long	Each	50	42
268	BMT-G.37	Brass Aldrop (IS:2681) 300 mm long	Each	1284	1087
269	BMT-G.38	Brass Aldrop (IS:2681) 350 mm long	Each	2473	2094
270	BMT-G.39	Brass Aldrop (IS:2681) 450 mm long	Each	3522	2982
271	BMT-G.40	Aluminium Aldrop (IS:2681) 200 mm long	Each	329	279
272	BMT-G.41	Aluminium Aldrop (IS:2681) 250 mm long	Each	391	331
273	BMT-G.42	Aluminium Aldrop (IS:2681) 300 mm long	Each	425	360
274	BMT-G.43	MS-Powder Coated Aldrop (IS:2681) 200 mm long	Each	115	97
275	BMT-G.44	MS-Powder Coated Aldrop (IS:2681) 250 mm long	Each	151	128
276	BMT-G.45	MS-Powder Coated Aldrop (IS:2681) 300 mm long	Each	181	153
277	BMT-G.46	Brass Door Stoppers	Each	198	168
278	BMT-G.47	Brass Windows Stay	Each	224	190
279	BMT-G.48	Aluminium Flat Latches: 200 mm long	Each	159	135
280	BMT-G.49	Aluminium Flat Latches: 250 mm long	Each	179	152
281	BMT-G.50	Aluminium Flat Latches: 300 mm long	Each	188	159
282	BMT-G.51	MS-Powder Coated Flat Latches: 250 mm long	Each	58	49
283	BMT-G.52	MS-Powder Coated Flat Latches: 300 mm long	Each	73	62
284	BMT-G.53	MS-Powder Coated - Door Stoppers	Each	50	42

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
285	BMT-G.54	Supply & fixing drapery rods (25.4 mm) 1" x 21 G Powder coated with PVC rings	RM	128	108
286	BMT-G.55	Supply & fixing drapery bracket - brass powder coated	pair	451	382
287	BMT-G.56	Deluxe window stay Aluminium	Each	144	122
288	BMT-G.57	Heavy duty Aluminium Door stopper	Each	63	53
289	BMT-G.58	Brass fancy handles 150 mm	Each	335	284
290	BMT-G.59	Brass fancy handles 200 mm	Each	454	384
291	BMT-G.60	Brass fancy handles 250 mm	Each	819	693
292	BMT-G.61	Brass fancy handles 300 mm	Each	1045	885
293	BMT-G.62	Brass fancy handles 450 mm	Each	1635	1384
294	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	1035	876
295	BMT-G.64	Double action Stainless steel cover plate and cast body iron floor spring (IS 6315- Table-1)	Each	1912	1619
296	BMT-G.65	Double action Brass cover plate and cast brass body floor spring (IS 6315- Table-1)	Each	4536	3840
297	BMT-G.66	Heavy duty mortise lock 6/7 levers (IS:2209) with PC or CP handles complete set	Each	935	792
298	BMT-G.67	Heavy duty mortise lock 6/7 levers (IS:2209) with brass heavy handles	Each	2405	2036
299	BMT-G.68	Brass latch heavy 300 mm	Each	644	545
300	BMT-G.69	Brass latch heavy 350 mm	Each	740	626
301	BMT-G.70	Brass latch heavy 450 mm	Each	976	826
302	BMT-G.71	Friction stay hinges for windows	Each	107	91

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
303	BMT-G.72	Keyless lockset for toilet doors with CP or PC knob handles (complete set)	Each	348	295
304	BMT-G.73	Keyless lock set for toilet doors with brass knob handles	Each	921	780
305	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	1198	1014
306	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	1282	1085
307	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	1345	1139
308	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	3788	3207
309	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	2816	2384
310	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	12513	10593
	H.	WATER PROOFING CHEMICALS & ADMIXTURES			
		<i>Literature for usage / application of construction / water proofing materials, epoxies etc, may be obtained from manufacturers.</i>			
311	BMT-H.01	Supply of cement based Impervious Water Proofing powder compound	1 Kg	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
312	BMT-H.02	Providing Tar felting roof repairs with Rainseal Felt/ Zori-felt BT or equivalent duly applying one coat of appropriate grade of bitumen in hot condition @ 0.2 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	Deleted	Deleted
313	BMT-H.03	Providing waterproofing treatment by supplying and applying Rainseal HDP 1500 /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 "Rainseal HDP 1500/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 Rainseal SAP-BITUMINOUS ALUMINIUM PAINT for heat resistance for finished item	1 Sqm.	Deleted	Deleted
314	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 Conproof NO.1/ Rain Proof No 1/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-Conproof NO.1/ Rain Proof No 1 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	Deleted	Deleted
315	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 – Conproof NO.1/ Rain Proof No 1/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,	1 Sqm	deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		chemical –Conproof NO.1/ Rain Proof No 1/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)			
316	BMT-H.06	Construction Chemicals, Epoxy & Admixtures - Chloride free water reducing and plasticizing admixture : Consplax/ Conflow SNP1 Zoriplast (Dosage : 20 ml Per Bag of 50 Kgs Cement) or equivalent	1 litre	Deleted	Deleted
317	BMT-H.07	High strength Acrylic blended plasticizer and Water reducing agent - Roofplast HS 100/ Conflow SNP20 or Zoriplast HS (Dosage : 400 ml to 500 ml Per Bag of 50 Kgs Cement)	1 litre	Deleted	Deleted
318	BMT-H.08	Quick setting, rapid hardening and water proofing compound - : Rapidstrong QS/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	Deleted	Deleted
319	BMT-H.09	Chloride free super plasticizer for high range water reducing admixture : Roofplast SP 35/Conflow SNS I or Zoriplast SP 350 (Dosage: 200 ml to 500 ml per bag of 50 Kgs Cement) or equivalent.	Litre	Deleted	Deleted
320	BMT-H.10	Chloride free super plasticizer for high early strength and high range water reducing admixture : Roof plast SP 45/Conflow SNS 2 or Zoriplast SP 450 (Dosage: 200 ml to 500 ml per bag of 50 Kgs Cement) or equivalent.	Litre	Deleted	Deleted
321	BMT-H.11	Set accelerator and plasticizer: Roofplast SCA/ 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	Deleted	Deleted
322	BMT-H.12	Chloride free High power slump retaining and retarding plasticizer: Roofplast RT5/Conflow SNR or Zoriplast RT5 (Dosage: 15ml to 40 ml per bag of 50 Kgs Cement) or Equivalent.	Litre	Deleted	Deleted
323	BMT-H.13	Air Entraining Agent: Roofplast AEA/ Conflow SNE or Zoriplast AEA (Dosage : 5ml to 25 ml per bag of 50 Kgs Cement) or Equivalent (Dosage : 15ml per Bag of 50 Kgs Cement)	Litre	Deleted	Deleted
324	BMT-H.14	Chloride free super plasticizer, high range water reducing and retarding admixture - Roofplast SR5/Conflow SNS-3 SPL or Zoriplast SRT5 (Dosage : 300 ml to 400 ml per bag of 50 Kgs Cement) or equivalent	Litre	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
325	BMT-H.15	Retarding super plasticizer: Conflow SNS-3 or Accelerating Plasticizers : Roofplast SA/ Zoriplast AC (Dosage : 500 ml to 1 Ltr per bag of 50 Kgs Cement) or Equivalent.	Litre	Deleted	Deleted
326	BMT-H.16	Waterproof Cement Mortar Plasticizer : Roofplast MP/ Morflow SN 1 or Zoriplast MP (Dosage : 100 ml per bag of 50 Kgs Cement) or Equivalent.	Litre	Deleted	Deleted
327	BMT-H.17	Integral Cement Waterproofing Compound : Conproof No.1/ Rainproof No.1/Conflow SNW1 or Zoriproof (Liquid Form) (Dosage : 100 ml Per Bag of 50 Kgs Cement)	Litre	Deleted	Deleted
328	BMT-H.18	Integral Cement Waterproofing Compound :Conproof No.1/ Rainproof No.1/Conflow SNW2 or Zoriproof (Powder Form) (Dosage : 500 Grams per bag of 50 Kgs Cement) or Equivalent.	Kg	Deleted	Deleted
329	BMT-H.19	High plasticizing cement waterproofing liquid based on naphtha lane formaldehyde : Conproof LW 200/ Rainproof LW SPL/Conflow SNW2 - 750 Gms or Zorishield 200 or Equivalent. (Dosage:200 ml per Bag of 50 Kgs Cement)	Litre	Deleted	Deleted
330	BMT-H.20	Block Admixture: Roofplast BA/ Conflow SNB or Zoriplast BA (Dosage: 20 ml to 25ml per bag of 50 Kgs Cement) or Equivalent.	Litre	Deleted	Deleted
331	BMT-H.21	Sprayed Concrete Accelerator: Shotset SN1 or Roofplast SA/ Zoriset SCA or Equivalent (Dosage : 500 ml – 2.5 Ltrs/bag of Cement).	Kg	Deleted	Deleted
332	BMT-H.22	Surface treatment water Based high power curing compounds: Curaid SN1 or Roofexcure WB/Zoricure WB (Coverage : 5-6 Sq. Mtrs / Ltr / Coat) or Equivalent.	Litre	Deleted	Deleted
333	BMT-H.23	Concrete wax based pigmented curing compound : Curaid SN2 or Roofexcure WX/ Zoricure SB or Equivalent. (Coverage : 4-5 Sq. Mtrs / Ltr / Coat)	Litre	Deleted	Deleted
334	BMT-H.24	Formwork & Mould Treatment: Roofcare MRA/ 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	Deleted	Deleted
335	BMT-H.25	Cleaning and acid etching agents: Tilex Kleen AC/ Uniklen SN1 or Zorikleen AC or Equivalent.	Litre	Deleted	Deleted
336	BMT-H.26	Ready to use universal degreasing and cleaning agents:Tilex Kleen DA/ Uniklen SN2 or Zorikleen DA or Equivalent.	Litre	Deleted	Deleted
337	BMT-H.27	Liquid Cleaning Agent: Tilex Kleen LC/ Uniklen SN3 or Zorikleen LC or Equivalent.	Litre	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
338	BMT-H.28	Non-shrink Free flow high strength injection grout : Rapidstrong Grout GP2/ Expacrete SN50 or Zorigrout GP 2 or Equivalent. (Yield 13.5 Ltrs Per 25 Kgs Bag).	Kg	Deleted	Deleted
339	BMT-H.29	Non-shrink Free flow grout: Rapidstrong Grout GP3/Expacrete SN70 or Zorigrout GP 3	Kg	Deleted	Deleted
340	BMT-H.30	Non-shrink Free flow grout: Rapidstrong Grout GP4/ Expacrete SN90 or Zorigrout GP 4	Kg	Deleted	Deleted
341	BMT-H.31	High strength cementitious non-shrink Free flow grout : Rapidstrong Grout Admix/ Expacem SN2 or Zorigrout GP 1 or Equivalent. (250 Gms per Bag of 50 Kgs Cement).	1 Kg pack	Deleted	Deleted
342	BMT-H.32	Low viscosity Epoxy resin injection grout (Two parts) :Rapidstrong Grout EP/Expacrete SNE 1 or Zorigrout EP or Equivalent.(Density 1.07 Kg Per Ltr)	Kg	Deleted	Deleted
343	BMT-H.33	Epoxy Resin Grouts:Rapidstrong Grout EP3/ Expacrete SNE 3 or Zorigrout EP 3 or Equivalent.	Kg	Deleted	Deleted
344	BMT-H.34	High Power Polyester Resin Anchor Grout: Rapidstrong Grout AG/Anchorset SN1 or Zorifix or Equivalent. (Yield 0.5 Ltrs / 1 Kg Pack)	Kg	Deleted	Deleted
345	BMT-H.35	High strength, high polyester resin grouts – Rapidstrong AG Pride/Anchorset SN2 or Zorifix XL or Equivalent. (Yield 0.5 Ltrs / 1 Kg Pack)	Kg	Deleted	Deleted
346	BMT-H.36	Non-metalic Floor Hardeners : Rapidstrong NH/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	Deleted	Deleted
347	BMT-H.37	Non oxidizing, heavy duty metallic Floor Hardeners:Rapidstrong FM/ Flortop SNS or Zorifloor NH or Equivalent.	Kg	Deleted	Deleted
348	BMT-H.38	Epoxy Floor coating: Procoat SNF or Food neutral Epoxy waterproof / damproof coating : Roofcare EP/ Zoricoat EP or Equivalent. (Coverage : 70 to 80 SFT / Per Ltr / coat)	Kg	Deleted	Deleted
349	BMT-H.39	Polysulphide modified epoxy coatings: Procoat SNS or Roofcare EPS/Zoricoat EPS or Equivalent (Coverage : 250 to 300 Gms / M2 and forms a DFT of 175 to 200 Micron)	Kg	Deleted	Deleted
350	BMT-H.40	Essenputty SNE or Epoxy putty - Roofcrete Putty EP/ Zoriputty EP or Equivalent	Kg	Deleted	Deleted
351	BMT-H.41	Zincrich epoxy resin primer - Roofguard ZP/Procoat SNZ or Zoriguard ZP or Equivalent (Coverage : 4-5 Sq.Mtr. /Ltr /	Kg	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		Coat)			
352	BMT-H.42	Chemical resistance, fungus resistance water based polyurethane sterile coating : Roofcare PU/ Procoat SNL or Zoristerile or Equivalent (Coverage : 60 to 65 SFT / 2 Coats / Ltr)	Pack	Deleted	Deleted
353	BMT-H.43	Solvent free chemical resistant Epoxy self leveling (for food and pharmaceutical industry) Flooring system: Armstrong FL-SL/Flortop SNSL or Zorifloor SL or Equivalent. (8.25 to 0.30 M2 / Kg mix with 2mm thickness)	Kg	Deleted	Deleted
354	BMT-H.44	Self leveling self smoothing water based epoxy floor topping : Armstrong FL-SLW/Flortop SNSL-SPL or ZORIFLOOR SLW - 1.5- 3mm or Equivalent (Coverage : 4.5m2 / 17 Kg Pack @ 2mm thickness depending on the substrate)	Kg	Deleted	Deleted
355	BMT-H.45	High build heavy duty epoxy resin floor coating : Armstrong HBF/ Flortop SNM or Zorifloor HB or Equivalent. (Coverage : Base coat 10- 12 m2/ 5 Kg @ 250 microns DFT)	Kg	Deleted	Deleted
356	BMT-H.46	Epoxy based repair mortar / concrete : Roofcrete EP/ Flortop SNFM or Zoricrete EP or Equivalent.	Litre	Deleted	Deleted
357	BMT-H.47	Solvent free Epoxy resin primer for floor coatings : Florcoat SNP or Roofbond EP Primer/ Zoriprime EP or Equivalent. (Coverage : 3 Kg unit covers about 13m2 for DFT of about 120 micron.)	Pack	Deleted	Deleted
358	BMT-H.48	Solvent free epoxy resin primer for protective coatings – Procoat SNC or Roofbond EPF Primer/ Zoriprime EPF or Equivalent (Coverage : 3 Kg unit covers about 13m2 for DFT of about 120 micron.)	Pack	Deleted	Deleted
359	BMT-H.49	Epoxy Primer for floor coatings and protective coatings - Procoat SNP or Roofbond EFC Primer/ Zoriprime EFC or Equivalent.	Pack	Deleted	Deleted
360	BMT-H.50	Epoxy primer for Hibond floor & protective coatings : Procoat SNP2 or Roofbond EFC2 Primer/ Zoriprime EFC 2	Pack	Deleted	Deleted
361	BMT-H.51	Cementitious Micro concrete Repair products: Repcrete SNC or Roofcrete MC/Zoricrete MC or Equivalent.	Kg	Deleted	Deleted
362	BMT-H.52	Repair Products:Repcrete SNE1 or Epoxy mortar - Roofcrete EP/Zoricrete EPM or Equivalent	Kg	Deleted	Deleted
363	BMT-H.53	Under water epoxy resin system for repair products : Repcrete SNW or Roofcrete EUW/Zoricrete EUW or Equivalent.	Kg	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
364	BMT-H.54	Under water epoxy resin system mortar – Repcrete SNW Mortar or Roofcrete EUW/Zoricrete EMU	Kg	Deleted	Deleted
365	BMT-H.55	Fast setting cement based plugging compound - Uniplug SN or Wonderseal Plug/Zoriplug or Equivalent (Powder Form : mix with water direct application)	Kg	Deleted	Deleted
366	BMT-H.56	High durable cementitious acrylic based two pack Waterproofing systems : Aqua coat SNF or Roofbond RFX/Zoricoat RX or Equivalent. (12 – 14 m2 in two coats to achieve 1mm thickness)	Kg	Deleted	Deleted
367	BMT-H.57	Water Repellents: Aquarepel SN1 or Water based silicon water repellent, Nano technology - Rain care WR/ Zoripel WB or Equivalent	Litre	Deleted	Deleted
368	BMT-H.58	Tile Adhesives: Tilegrip SNU or Tilex/ Zorimix or Equivalent. (At 3mm thickness 7-9 Sqm / 25 Kgs)	Kg	Deleted	Deleted
369	BMT-H.59	Acrylic based Bonding Adhesives: Conbond SNA or Roofbond PB/ Zoribond PB or Equivalent. (Mix: 1:1 ratio of cement 50 SFT / Ltr /coat depending on the substrate)	Litre	Deleted	Deleted
370	BMT-H.60	Epoxy based Bonding adhesive: Conbond SNE or Roofbond EP/Zoribond EP or Equivalent. (Coverage : 20 – 25 SFT / Kg /Coat)	Pack	Deleted	Deleted
371	BMT-H.61	Supply of anti-corrosion admixture inhibitor liquid as per Central Electro Chemical Research Institute developed specification and licensee of Concure or Concure Plus or Equivalent (300 ml to 500 ml per Bag of 50 Kgs Cement)	Litre	Deleted	Deleted
372	BMT-H.62	HI-BOND: Concrete Plasticizers: HI-PLAST 01 or Roofbond High plast (Dosage : 100 ml Per Bag of 50 Kgs Cement)	Litre	Deleted	Deleted
373	BMT-H.63	Concrete Plasticizers: HI-PLAST 02 or Roofbond High plast – 2 (Dosage : 200 ml per bag of 50 Kgs Cement)	Litre	Deleted	Deleted
374	BMT-H.64	Concrete Plasticizers: HI-PLAST PA or Roofbond AC	Litre	Deleted	Deleted
375	BMT-H.65	Super Plasticizers: HI-PLAST SP or Roofbond SP 30	Litre	Deleted	Deleted
376	BMT-H.66	Super Plasticizers: HI-PLAST SP AR or Roofbond SP 40	Litre	Deleted	Deleted
377	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	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
378	BMT-H.68	Retarding Plasticizers: HI-PLAST RT or Roofbond RT 30	Litre	Deleted	Deleted
379	BMT-H.69	Air Entraining Agents: HI-PLAST A.E or Roofbond AEA	Litre	Deleted	Deleted
380	BMT-H.70	Retarding Super Plasticizers: HI-PLAST SP RT or Roofbond SR 30	Litre	Deleted	Deleted
381	BMT-H.71	HI-PLAST RSP or Roofbond SR 40 or Equivalent.	Litre	Deleted	Deleted
382	BMT-H.72	Mortar Plasticizers: HI-PLAST MP or Roofbond MP (Dosage : 100 ml Per Bag of 50 Kgs Cement)	Litre	Deleted	Deleted
383	BMT-H.73	Integral Water Proofing compounds: HI-PROOF (L) or Liquid Concentrated Micronized Cement Waterproofing Compound : Roofguard 500/Roofbond 500 (Dosage : 500 ml per bag of 50 Kgs Cement) or Equivalent.	Litre	Deleted	Deleted
384	BMT-H.74	HI-PROOF (P) or Conproof P/Roofbond - P or Equivalent (Dosage : 1 Kg Per Bag of 50 Kgs Cement).	Kg	Deleted	Deleted
385	BMT-H.75	or Roofbond 750 or Equivalent	Litre	Deleted	Deleted
386	BMT-H.76	Block Admixtures: HI-ADMIX or Roofbond BA or Equivalent (Dosage : 20 ml Per bag of 50 Kgs Cement)	Litre	Deleted	Deleted
387	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	Deleted	Deleted
388	BMT-H.78	Surface Treatments curing compounds: HI-CURE 01 or Roofex WB /Roofcoat/ Zoricoat	Litre	Deleted	Deleted
389	BMT-H.79	Surface Treatments Polyurethane curing compounds: HI-CURE 02 or Roofex WXB/ Roofcare PU/ Zoricoat PU	Litre	Deleted	Deleted
390	BMT-H.80	Surface Treatments Crystalline Repair Products: HI-CRM or Roofex GP2 or Zoripex Equivalent	Kg	Deleted	Deleted
391	BMT-H.81	Polyurethane Sealent - Roofseal PU/ Zoriseal PUHI-CRM EX or Roofex EC or Equivalent	Kg	Deleted	Deleted
392	BMT-H.82	Polyurethane Sealent - Roofseal PS/ Zoriseal PS/HI-CRM EXW or Roofex EW or Equivalent.	Kg	Deleted	Deleted
393	BMT-H.83	Structural graded polymer modified reinstatement concrete / mortar – Roofcrete AR/ Zoricrete CMG or Equivalent	Kg	Deleted	Deleted
394	BMT-H.84	Water Proofing: Liquid applied single component, elastomeric waterproofing membrane coating with -Rain seal/ Zoricoat XL	Litre	deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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.			
395	BMT-H.85	Water Repellents: Solvent based silicon water repellent compound - Roofcare WR/Zoripel SB or Equivalent. (Direct application)	Litre	Deleted	Deleted
396	BMT-H.86	Tile Adhesives: HI-ADHESIVE or High strength tile adhesive (tile on tile) : Tilex Grout Hi- Grip/ Zorimix Hi-Grip or Equivalent. (At 3mm thickness 7-9 Sqm / 25 Kgs)	Kg	Deleted	Deleted
397	BMT-H.87	Supply of Concure-XL Anti Corrosion and leak proof Crack Proof ,Water Proof ,Concrete Hardener Admixture liquid Dosage (200 ml to 250 ml per Bag of Cement	Litre	Deleted	Deleted
398	BMT-H.88	HI-FIX Epoxy tile mortar - Tilex EH/ Zorimix EH or Equivalent	Kg	Deleted	Deleted
399	BMT-H.89	HI-BONDWall Putty Normal or Grey cement based Gypsum Plaster – Wallstrong GP/Zoritek GP or Equivalent (Coverage : 35 to 40 SFT per bag of 40 Kgs Pack)	Kg	Deleted	Deleted
400	BMT-H.90	HI-BOND Wall Putty Fine or Portland cement based plaster finish surface for interior – Wallstrong PC/ Zoritek PC or Equivalent.	Kg	Deleted	Deleted
401	BMT-H.91	HI-BOND Wall Putty Super Fine or Acrylic based ready to use surface (white / off white) -Wallstrong WC/ Zoritek WC or Equivalent. (At 1.5 to 2mm thickness 100 - 125 SFT Per Bag of 25 Kgs Pack)	Kg	Deleted	Deleted
402	BMT-H.92	HI-BOND Wall Putty Super Fine (Water Resistant) or Smooth crack free, water resistant finish plaster Wallstrong WP/ Zoritek WP or Equivalent	Kg	Deleted	Deleted
403	BMT-H.93	BITUMINOUS HOT SEALING COMPOUND: Grade 'A' I.S.I excluding ST or Rainseal BS/ Zoriseal BS Grade 'A' or Equivalent	1 Kg	Deleted	Deleted
404	BMT-H.94	Bitumen solution primer of approved quality: Rainseal BT primer/ Zoriprime BT or Equivalent.	1 Kg	Deleted	Deleted
405	BMT-H.95	Tarfelt Rainseal Felt/ Zorifelt BT Type : 2 Grade : 1 or Equivalent	1 sqm	Deleted	Deleted
406	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	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
407	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	deleted	Deleted
408	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	Deleted	Deleted
409	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	Deleted	Deleted
410	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	Deleted	Deleted
411	BMT-H.101	Supply and application of synthetic polymers to impart rheoplastic qualities to concrete RHEOBUILD 920 (SH) of BASF	1 Kg	Deleted	Deleted
412	BMT-H.102	Supply of Concure-Plus Admixture Anti Corrosion and leak proof Weather Proof, Concrete Hardener Admixture.Dosage (200 ml to 250 ml per Bag of Cement)	1 Litre	Deleted	Deleted
413	BMT-H.103	Supply of Concure-LP polymer based, leak proof, Admixture liquid, dosage (250 ml to 300 ml per Bag of Cement)	1 Litre	Deleted	Deleted
414	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	Deleted	Deleted
415	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	Deleted	Deleted
416	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	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
417	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	Deleted	Deleted
418	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) Dosage Should be finalized after initial site trials	1 Litre	Deleted	Deleted
		<i>Approved brands, area of application, dosage etc have been appended to this SoR for the guidance for preparation of estimates only. However, literature for usage/ application of construction/ water proofing materials, epoxies etc, may be obtained from the manufacturers, while in execution.</i>			
		PLASTICIZERS			
419	BMT-H.109	Concrete Plasticizers and Water reducing admixture Conforming to IS:9103-99	1 Ltr	150	127
420	BMT-H.110	Early High Strength, High water retention, polycarboxylic plasticizers Conforming to IS:9103-1999	1 Kg	140	119
421	BMT-H.111	High performance super plasticizer and water reducing admixture Conforming to IS: 9103-1999	1 Kg	95	80
422	BMT-H.112	Super plasticizer for high range water reducing admixture Conforming to IS: 9103-1999	1 Kg	105	89
423	BMT-H.113	Super plasticizer, high range water reducing and retarding admixture complying with IS:9103-1999	1 Kg	94	80
424	BMT-H.114	Plasticizer for accelerator for sprayed concrete Conforming to IS: 9103-1999.	1Kg	75	63
		WATER PROOFING COMPOUNDS			
425	BMT-H.115	Integral Cement Waterproofing Liquid Conforming to IS: I.S. 2645-2003	1 Ltr	210	178
426	BMT-H.116	High durable cementitious acrylic based waterproofing systems	1 Kg	115	97
427	BMT-H.117	Acrylic Polymer Elastomeric Cementitious Waterproof Coatings	1 Ltr	350	296
428	BMT-H.118	Single component, elastomeric waterproof membrane coating	1 Ltr	425	360
429	BMT-H.119	Quick setting, rapid hardening and water proofing compound Conforming to IS: I.S. 2645-2003	1 Ltr	80	68

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
430	BMT-H.120	Highly Flexible Waterproof Acrylic Elastomeric bituminous Blended Coatings	1 Ltr	300	254
		BONDING AGENTS			
431	BMT-H.121	Acrylic based Bonding adhesive	1 Ltr	150	127
432	BMT-H.122	Styrene butadiene rubber based bonding agent	1 Kg	450	381
433	BMT-H.123	Two Parts system of Epoxy Bonding adhesive Conforming to ASTM-C 881	1 Kg	870	737
		ANTI-CORROSIVE AGENTS			
434	BMT-H.124	Acrylic based Anti corrosive coating	1 Ltr	350	296
435	BMT-H.125	Rust converter –rust encapsulating coating for steel	1 Ltr	480	406
436	BMT-H.126	High range of reinforcement / steel protector against corrosion zinc rich epoxy resin primer	1 Kg	750	635
437	BMT-H.127	Anti corrosion CRPPC (Corrosion Resistant) inhibitive admixture	1 Lit	315	267
		GROUTS			
438	BMT-H.128	High Power Polyester Resin Anchor Grout Conforming to ASTM-827	1 Kg	300	254
439	BMT-H.129	Non-shrink Free flow high strength precision grout Conforming to BS 1881 Part 1161983.	1 Kg	34	29
440	BMT-H.130	Low viscosity Epoxy resin injection grout	1 Kg	800	677
441	BMT-H.131	Three component epoxy grout Conforming to IS: ASTM 827 (Three components)	1 Kg	160	135
		MISCELLANEOUS CHEMICALS			
442	BMT-H.132	Mould / Shutter releasing oil	1 Ltr	145	123
443	BMT-H.133	Non oxidizing, heavy duty metallic Floor Hardeners	1 Kg	37	31

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
444	BMT-H.134	Non-metallic Floor Hardeners	1 Kg	30	25
445	BMT-H.135	High Strength, Non shrink Micro Concrete for structural repair product.	1 Kg	36	30
446	BMT-H.136	Structural graded polymer modified reinstatement concrete / mortar (Two Part System)	1 Kg	85	72
447	BMT-H.137	Three Component high performance elastomeric mortar.	1 Kg	950	804
448	BMT-H.138	Surface treatment crystalline product.	1 Kg	360	305
449	BMT-H.139	Polyurethane Sealant. 600 ml tube	1 No	730	618
450	BMT-H.140	Polysulphide Sealant.	1 Kg	450	381
451	BMT-H.141	Acrylic Latex caulking compound.	1 Kg	335	284
452	BMT-H.142	Fast setting cement based plugging compound	1 Kg	85	72
453	BMT-H.143	Highly Flexible High Range Polyurethane surface coatings	1 Ltr	650	550
454	BMT-H.144	Coal Tar Epoxy	1 Kg	190	161
455	BMT-H.145	Water Based Acrylic Blended High power curing compound	1 Kg	100	85
456	BMT-H.146	Bituminous hot sealing compound	1 Kg	120	102
457	BMT-H.147	Bitumen solution primer coating.	1 Kg	85	72
458	BMT-H.148	Air Entraining Agent Conforming to IS: 9103-99	1 Ltr	120	102
		REPAIRING & TREATMENT WORKS			
459	BMT-H.149	Providing Tar Felting roof repair with approved brand Tar Felt duly applying one coat of appropriate grade of bitumen in hot condition @ 0.2 Kg/1 Sqm of roof area, fixing tar felt (Conforming to IS 1322-1972 specification), applying second coat of appropriate grade of hot bitumen at 1.20 Kg / 1 Sqm	1 Sqm	260	220

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		of roof area and spreading course aggregate (sand) at 0.063 Cum per 1 Sqm of roof area finished item.			
460	BMT-H.150	Providing waterproofing treatment by supplying and fixing synthetic membrane felt of 1.50 mm thickness, 2.25 Kg per Sq. Mtr. duly applying one coat of Bituminous Emulsion, first coat of bituminous grade 85/25, fix waterproofing membrane, applying second coat of bitumen grade 90/15 after sealing all the joints and abutments with a Gas torch and applying one coat of bituminous aluminum paint for heat resistance for finished item.	1 Sqm	360	305
461	BMT-H.151	Providing and laying of 3mm thick app modified bitumen membrane treatment to the terrace duly [1]removing of existing tar felt. [2]Cleaning of the surface from dirt, dust and other contaminations. [3]application of one coat of Bitumen primer [4]providing and laying of 3mm thick APP Modified Bitumen Membrane with 100 mm overlap fixing with butane torch.	1 Sqm	490	415
462	BMT-H.152	providing specialized high performance acrylic polymer modified elastomeric cementitious waterproof coating to the terrace / walls / internal portion of the bathroom & toilets / internal portion of the water tanks duly cleaning of the surface from dirt, dust and other contaminations, providing and application of Two coats of High performance Acrylic polymer modified Elastomeric cementitious waterproof coating (1.8 Sq. Mtr. / Kg /Each Coat)	1 Sqm	390	330
463	BMT-H.153	Providing specialized high build, elastomeric acrylic bituminous blended coating to the terrace / internal portion of the bathroom / toilets / basements / roofing duly a). Cleaning of the surface. b). Applying primer coat of High Build, Elastomeric Acrylic Bituminous Blended Coating c). Application of Two coats of High Build, Elastomeric Acrylic Bituminous Blended Coating	1 Sqm	360	305
464	BMT-H.154	Providing specialized high solid, cold applied, acrylic elastomeric liquid membrane coating treatment to the terrace / roofing with fiber mesh / geo fabric duly a. Cleaning of the surface from dirt, dust and other contaminations. b. Applying one coat of High solid, Cold applied, Acrylic Elastomeric Liquid Membrane coating c. immediately, Application of one coat of High solid, Cold applied, Acrylic Elastomeric Liquid Membrane coating e. Laying of fiber mesh 40 GSM / Geo fabric 40 GSM on the surface. f. Over the Fiber mesh, Application of two coats of High solid, cold applied, Acrylic Elastomeric Liquid Membrane Coating	1 Sqm	570	483

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
465	BMT-H.155	Providing specialized polysulphide sealant treatment to the expansion joints (Size : 25mm x 12mm) duly a]. Chipping and removing of existing covering on expansion joints b]. Cleaning of the surface from dirt, dust and other contaminations c].Application of one coat of - High performance specially designed SBR latex polymer based bonding agent d]. Providing and application of Acrylic Polymer modified reinstatement concrete /mortar to the damaged edges of joint and making the groove. e]. Providing and fixing of masking tape on top of the joint both sides f]. Providing and fixing of Back up support material of Backer rod to leave the depth of 12mm on the joint g]. Providing and application of one coat of polysulphide primer on inner edges of Joint. h]. Providing and application of Two part Polysulphide sealant to a width of 25mm and 12mm depth with putty knife and neat finish i]. Removing of masking tape and providing and application of two coats of Acrylic elastomeric cementitious coating	1 RM	650	550
	I.	GLASS (Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)			
466	BMT-I.01	Plain Float Glass 4 mm thick	1 sqm	441	373
467	BMT-I.02	Plain Float Glass 5 mm thick	1 sqm	558	472
468	BMT-I.03	Plain Float Glass 6 mm thick	1 Sqm	693	587
469	BMT-I.04	Plain Float Glass 8 mm thick	1 Sqm	932	789
470	BMT-I.05	Plain Float Glass 10 mm thick	1 Sqm	981	830
471	BMT-I.06	Plain Float Glass 12 mm thick	1 Sqm	1177	996
472	BMT-I.07	Tinted - Bronze/ Green Glass 4 mm thick	1 sqm	515	436
473	BMT-I.08	Tinted - Bronze/ Green Glass 5 mm thick	1 sqm	644	545
474	BMT-I.09	Tinted - Bronze/ Green Glass 6 mm thick	1 Sqm	772	654

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
475	BMT-I.10	Tinted - Bronze/ Green Glass 8 mm thick	1 Sqm	1104	935
476	BMT-I.11	Tinted - Bronze/ Green Glass 10 mm thick	1 Sqm	1287	1090
477	BMT-I.12	Tinted - Bronze/ Green Glass 12 mm thick	1 Sqm	1546	1309
478	BMT-I.13	Pin headed Glass 4 mm thick	1 sqm	331	280
479	BMT-I.14	Pin headed Glass 5 mm thick	1 sqm	430	364
480	BMT-I.15	Frosted / Ground Glass 4 mm thick	1 sqm	594	503
481	BMT-I.16	Frosted / Ground Glass 5 mm thick	1 sqm	747	632
482	BMT-I.17	Toughened Plain Glass 5 mm (including Glass)	1 sqm	895	758
483	BMT-I.18	Toughened Plain Glass 6 mm (including Glass)	1 sqm	1034	875
484	BMT-I.19	Toughened Plain Glass 8 mm (including Glass)	1 sqm	1379	1167
485	BMT-I.20	Toughened Plain Glass 10 mm (including Glass)	1 sqm	1653	1399
486	BMT-I.21	Toughened Plain Glass 12 mm (including Glass)	1 sqm	1929	1633
	J.	PAINTS & POLISHES (Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)			
487	BMT-J.01	Supply of water based Cement Primer of Interior Grade- 1	1 Kg	165	128
488	BMT-J.02	Supply of water based Cement Primer of Exterior Grade- 2	1 Kg	210	163
489	BMT-J.03	Supply of Red Oxide Primer Paint for iron works of Grade -1	1 Litre	142	110
490	BMT-J.04	Supply of Zinc Chromate Yellow Oxide Primer paint for iron works	1 Litre	204	158
491	BMT-J.05	Supply of Wood Primer	1 Litre	158	123

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
492	BMT-J.06	Supply of Metal paste (Putty) for steel works	1 Kg	158	123
493	BMT-J.07	Supply of Putty for wood work	1 Kg	158	123
494	BMT-J.08	Supply of White Lead	1 Kg	113	88
495	BMT-J.09	Supply of Synthetic clear Varnish	1 Litre	158	123
496	BMT-J.10	Supply of Spirit	1 Litre	111	86
497	BMT-J.11	Supply of Linseed Oil	1 Litre	63	49
498	BMT-J.12	Supply of thinner for melamine polish/ french polish	1 Litre	146	113
499	BMT-J.13	Supply of thinner for Poly-urethane polish	1 Litre	299	232
500	BMT-J.14	Supply of French Polish	1 Litre	207	161
501	BMT-J.15	Supply of ready made Wax Polish	1 Kg	630	489
502	BMT-J.16	Supply of Melamine Polish	1 Litre	349	271
503	BMT-J.17	Supply of Interior Grade Poly-Urethane Polish	1 Litre	710	551
504	BMT-J.18	Supply of Exterior Grade Poly-Urethane Polish	1 Litre	868	674
505	BMT-J.19	Supply of wood adhesive compound	1 Kg	246	191
506	BMT-J.20	Supply of Dry Powder Distemper	1 Kg	47	36
507	BMT-J.21	Supply of acrylic based Oil Bound washable Distemper having VOC (Volatile Organic Compound) content less than 50 grams/ liter	1 Kg	90	70
508	BMT-J.22	Supply of synthetic polymer plastic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/ liter.	1 Litre	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
509	BMT-J.23	Supply of synthetic polymer luxury plastic emulsion paint of superior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter.	1 Litre	473	367
510	BMT-J.24	Supply of Water proof Cement paint	1 Kg	53	41
511	BMT-J.25	Supply of acrylic exterior emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/ liter.	1 Litre	196	152
512	BMT-J.26	Supply of water proof Cement paint pack	25 Kg	1375	1067
513	BMT-J.27	Supply of paint grade white lime for wash	25 Kg	600	466
514	BMT-J.28	Supply of anti-corrosive grade - 1 bitumen paint of black colour	1 Litre	569	442
515	BMT-J.29	Supply of grade-1 aluminium paint	1 Litre	284	220
516	BMT-J.30	Supply of ready mixed Synthetic Enamel paints in all shades Grade - I having VOC (Volatile Organic Compound) content less than 50 grams/ liter.	1 Litre	276	214
517	BMT-J.31	Supply of ready mixed Synthetic Enamel paints in all shades Grade - II having VOC (Volatile Organic Compound) content less than 50 grams/ liter.	1 Litre	210	163
518	BMT-J.32	Deleted		Deleted	Deleted
519	BMT-J.33	Deleted		Deleted	Deleted
520	BMT-J.34	Deleted		Deleted	Deleted
521	BMT-J.35	Deleted		Deleted	Deleted
522	BMT-J.36	Deleted		Deleted	Deleted
523	BMT-J.37	Deleted		Deleted	Deleted
524	BMT-J.38	Deleted		Deleted	Deleted
525	BMT-J.39	Deleted		Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
526	BMT-J.40	Supply of wall putty of White Cement or Polymer or Cement based	20 Kg	875	679
527	BMT-J.41	Altek / PMCC or Equivalent top coat high UV resistant exterior paint	25 Kg	Deleted	Deleted
528	BMT-J.42	PMCC / Deco orient base or Equivalent exterior Texture.	25 Kg	1000	776
529	BMT-J.43	PMCC or Equivalent Gold line Exterior Texture	25 Kg	1300	1009
530	BMT-J.44	Deleted	1 Sqm	Deleted	Deleted
	BMT-J.45	Deleted	1 Sqm	Deleted	Deleted
531	BMT-J.46	Deleted	1 Sqm	Deleted	Deleted
532	BMT-J.47	Deleted	1 Sqm	Deleted	Deleted
533	BMT-J.48	Deleted	1 Sqm	Deleted	Deleted
534	BMT-J.49	Deleted	1 Sqm	Deleted	Deleted
535	BMT-J.50	Deleted	1 Sqm	Deleted	Deleted
536	BMT-J.51	Deleted	1 Sqm	Deleted	Deleted
537	BMT-J.52	Supply of acrylic emulsion paint exterior grade with silicon additives having VOC (Volatile Organic Compound) content less than 50 grams/ liter.	1Lit	225	175
538	BMT-J.53	Supply of acrylic emulsion paint weather proof water-based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter.	1Lit	248	193
	K.	PARTICLE BOARDS (Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)			
539	BMT-K.01	Plain Particle Board: Interior Grade - 6 mm thick	1 Sqm	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
540	BMT-K.02	Plain Particle Board: Interior Grade - 8 mm thick	1 Sqm	Deleted	Deleted
541	BMT-K.03	Plain Particle Board: Interior Grade - 10 mm thick	1 Sqm	Deleted	Deleted
542	BMT-K.04	Plain Particle Board: Interior Grade - 12 mm thick	1 Sqm	Deleted	Deleted
543	BMT-K.05	Plain Particle Board: Interior Grade - 18 mm thick	1 Sqm	Deleted	Deleted
544	BMT-K.06	Plain Particle Board: Interior Grade - 21.4 mm thick	1 Sqm	Deleted	Deleted
545	BMT-K.07	Plain Particle Board: Interior Grade - 25 mm thick	1 Sqm	Deleted	Deleted
546	BMT-K.08	Plain Particle Board: Interior Grade - 35 mm thick	1 Sqm	Deleted	Deleted
547	BMT-K.09	Plain Particle Board: Exterior Grade- 8 mm thick	1 Sqm	Deleted	Deleted
548	BMT-K.10	Plain Particle Board: Exterior Grade-12 mm thick	1 Sqm	Deleted	Deleted
549	BMT-K.11	Plain Particle Board: Exterior Grade-18 mm thick	1 Sqm	Deleted	Deleted
550	BMT-K.12	Plain Particle Board: Exterior Grade-21.4 mm thick	1 Sqm	Deleted	Deleted
551	BMT-K.13	Plain Particle Board: Exterior Grade-25 mm thick	1 Sqm	Deleted	Deleted
552	BMT-K.14	Plain Particle Board: Exterior Grade-35 mm thick	1 Sqm	Deleted	Deleted
553	BMT-K.15	Melamine faced Single Deco PPB- 8 mm thick	1 Sqm	676	590
554	BMT-K.16	Melamine faced Single Deco PPB- 12 mm thick	1 Sqm	767	670
555	BMT-K.17	Melamine faced Single Deco PPB- 18 mm thick	1 Sqm	889	776
556	BMT-K.18	Melamine faced Single Deco PPB- 25 mm thick	1 Sqm	1007	879
557	BMT-K.19	Melamine faced Single Deco PPB- 35 mm thick	1 Sqm	1675	1463

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
558	BMT-K.20	Melamine faced Twin Deco PPB- 8 mm thick	1 Sqm	778	679
559	BMT-K.21	Melamine faced Twin Deco PPB- 12 mm thick	1 Sqm	889	776
560	BMT-K.22	Melamine faced Twin Deco PPB-18 mm thick	1 Sqm	1028	898
561	BMT-K.23	Melamine faced Twin Deco PPB-25 mm thick	1 Sqm	1139	995
562	BMT-K.24	Melamine faced Twin Deco PPB-35 mm thick	1 Sqm	2140	1869
563	BMT-K.25	Natural Colour-Insulating Board - 12 mm thick	1 Sqm	252	220
564	BMT-K.26	Natural Colour-Insulating Board - 18 mm thick	1 Sqm	372	325
565	BMT-K.27	Natural Colour-Insulating Board - 25 mm thick	1 Sqm	474	414
566	BMT-K.28	White Insulating Board - 12 mm thick	1 Sqm	307	268
567	BMT-K.29	White Insulating Board - 18 mm thick	1 Sqm	439	383
568	BMT-K.30	White Insulating Board - 25 mm thick	1 Sqm	390	341
569	BMT-K.31	Extra for veneered particle Board with commercial veneering on both sides.	1 Sqm	Deleted	Deleted
570	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	Deleted	Deleted
571	BMT-K.33	Extra for veneered particle Board with Teak veneering on both sides	1 Sqm	Deleted	Deleted
572	BMT-K.34	Medium Fibre Board: Interior Grade - 6 mm thick	1 Sqm	411	359
574	BMT-K.35	Medium Fibre Board: Interior Grade - 8 mm thick	1 Sqm	466	407
575	BMT-K.36	Medium Fibre Board: Interior Grade - 12 mm thick	1 Sqm	624	545
576	BMT-K.37	Medium Fibre Board: Interior Grade - 15 mm thick	1 Sqm	793	693

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
577	BMT-K.38	Medium Fibre Board: Interior Grade - 18 mm thick	1 Sqm	885	773
578	BMT-K.39	Medium Fibre Board: Interior Grade - 25 mm thick	1 Sqm	1257	1098
579	BMT-K.40	Medium Fibre Board: Interior Grade - 30 mm thick	1 Sqm	1519	1327
580	BMT-K.41	Medium Fibre Board: Interior Grade - 35 mm thick	1 Sqm	1657	1447
581	BMT-K.42	Medium Fibre Board: Exterior Grade - 6 mm thick	1 Sqm.	559	488
582	BMT-K.43	Medium Fibre Board: Exterior Grade - 8 mm thick	1 Sqm.	651	569
583	BMT-K.44	Medium Fibre Board: Exterior Grade - 12 mm thick	1 Sqm.	862	753
584	BMT-K.45	Medium Fibre Board: Exterior Grade - 15 mm thick	1 Sqm.	1083	946
585	BMT-K.46	Medium Fibre Board: Exterior Grade - 18 mm thick	1 Sqm.	1212	1059
586	BMT-K.47	Medium Fibre Board: Exterior Grade - 25 mm thick	1 Sqm.	1616	1411
587	BMT-K.48	Medium Fibre Board: Exterior Grade - 30 mm thick	1 Sqm.	2013	1758
588	BMT-K.49	Medium Fibre Board: Exterior Grade - 35 mm thick	1 Sqm.	2378	2077
589	BMT-K.50	MDF Board: Plain-Interior - 9 mm thick	1 Sqm	377	329
590	BMT-K.51	MDF Board: Plain-Interior - 12 mm thick	1 Sqm	428	374
591	BMT-K.52	MDF Board: Plain-Interior - 18 mm thick	1 Sqm	530	463
592	BMT-K.53	MDF Board: Plain-Interior - 25 mm thick	1 Sqm	637	556
593	BMT-K.54	MDF Board: Plain-Interior - 30 mm thick	1 Sqm	970	847
594	BMT-K.55	MDF Board: Plain-Interior - 35 mm thick	1 Sqm	1147	1002

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
595	BMT-K.56	MDF Board: Plain-Exterior - 9 mm thick	1 Sqm	493	431
596	BMT-K.57	MDF Board: Plain-Exterior - 12 mm thick	1 Sqm	530	463
597	BMT-K.58	MDF Board: Plain-Exterior - 18 mm thick	1 Sqm	696	608
598	BMT-K.59	MDF Board: Plain-Exterior - 25 mm thick	1 Sqm	873	762
599	BMT-K.60	MDF Board: Plain-Exterior - 30 mm thick	1 Sqm	1147	1002
600	BMT-K.61	MDF Board: Plain-Exterior - 35 mm thick	1 Sqm	1323	1155
601	BMT-K.62	MDF Board: Interior-One Side Laminated -9 mm thick	1 Sqm	591	516
602	BMT-K.63	MDF Board: Interior-One Side Laminated -12 mm thick	1 Sqm	668	583
603	BMT-K.64	MDF Board: Interior-One Side Laminated -18 mm thick	1 Sqm	777	679
604	BMT-K.65	MDF Board: Interior-One Side Laminated -25 mm thick	1 Sqm	873	762
605	BMT-K.66	MDF Board: Interior-One Side Laminated -30 mm thick	1 Sqm	1262	1102
606	BMT-K.67	MDF Board: Interior-One Side Laminated -35 mm thick	1 Sqm	1346	1176
607	BMT-K.68	MDF Board: Exterior-One Side Laminated -9 mm thick	1 Sqm	679	593
608	BMT-K.69	MDF Board: Exterior-One Side Laminated -12 mm thick	1 Sqm	762	666
609	BMT-K.70	MDF Board: Exterior-One Side Laminated -18 mm thick	1 Sqm	864	755
610	BMT-K.71	MDF Board: Exterior-One Side Laminated -25 mm thick	1 Sqm	1010	882
611	BMT-K.72	MDF Board: Exterior-One Side Laminated -30 mm thick	1 Sqm	1346	1176
612	BMT-K.73	MDF Board: Exterior-One Side Laminated -35 mm thick	1 Sqm	1430	1249

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
613	BMT-K.74	MDF Board: Interior-Both Side Laminated -9 mm thick	1 Sqm	679	593
614	BMT-K.75	MDF Board: Interior-Both Side Laminated -12 mm thick	1 Sqm	762	666
615	BMT-K.76	MDF Board: Interior-Both Side Laminated -18 mm thick	1 Sqm	864	755
616	BMT-K.77	MDF Board: Interior-Both Side Laminated -25 mm thick	1 Sqm	1097	958
617	BMT-K.78	MDF Board: Interior-Both Side Laminated -30 mm thick	1 Sqm	1346	1176
618	BMT-K.79	MDF Board: Interior-Both Side Laminated -35 mm thick	1 Sqm	1430	1249
619	BMT-K.80	MDF Board: exterior-Both Side Laminated -9 mm thick	1 Sqm	762	666
620	BMT-K.81	MDF Board: exterior-Both Side Laminated -12 mm thick	1 Sqm	863	754
621	BMT-K.82	MDF Board: exterior-Both Side Laminated -18 mm thick	1 Sqm	1021	892
622	BMT-K.83	MDF Board: exterior-Both Side Laminated -25 mm thick	1 Sqm	1116	975
623	BMT-K.84	MDF Board: exterior-Both Side Laminated -30 mm thick	1 Sqm	1413	1234
624	BMT-K.85	MDF Board: exterior-Both Side Laminated -35 mm thick	1 Sqm	1515	1323
625	BMT-K.86	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276-6 mm thick	1 sqm	Deleted	Deleted
626	BMT-K.87	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 8 mm thick	1 sqm	Deleted	Deleted
627	BMT-K.88	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 10 mm thick	1 sqm	Deleted	Deleted
628	BMT-K.89	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 12 mm thick	1 sqm	Deleted	Deleted
629	BMT-K.90	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 16 mm thick	1 sqm	Deleted	Deleted
630	BMT-K.91	CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 20 mm thick	1 sqm	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
631	BMT-K.92	CEMENT BONDED PARTICLE BOARD CONFORMING TO IS 14276- 25 mm thick	1 sqm	Deleted	Deleted
632	BMT-K.93	CEMENT BONDED PARTICLE BOARD CONFORMING TO IS 14276- 30 mm thick	1 sqm	Deleted	Deleted
633	BMT-K.94	CEMENT BONDED PARTICLE BOARD CONFORMING TO IS 14276- 40 mm thick	1 sqm	Deleted	Deleted
634	BMT-K.95	PRE LAMINATED CEMENT BONDED PARTICLE BOARD-6 mm thick	1 sqm	570	498
635	BMT-K.96	PRE LAMINATED CEMENT BONDED PARTICLE BOARD-8 mm thick	1 sqm	624	545
636	BMT-K.97	PRE LAMINATED CEMENT BONDED PARTICLE BOARD-10 mm thick	1 sqm	667	583
637	BMT-K.98	PRE LAMINATED CEMENT BONDED PARTICLE BOARD-12 mm thick	1 sqm	732	639
638	BMT-K.99	PRE LAMINATED CEMENT BONDED PARTICLE BOARD-16 mm thick	1 sqm	818	714
639	BMT-K.100	Cement Bonded Particale DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 6mm thick	1 sqm	Deleted	Deleted
640	BMT-K.101	Cement Bonded Particale DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 8mm thick	1 sqm	Deleted	Deleted
641	BMT-K.102	Cement Bonded Particale DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 10mm thick	1 sqm	Deleted	Deleted
642	BMT-K.103	Cement Bonded Particale DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 12mm thick	1 sqm	Deleted	Deleted
643	BMT-K.104	Cement Bonded Particale DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 16mm thick	1 sqm	Deleted	Deleted
644	BMT-K.105	Cement Bonded Board conforming to IS:14862-2000 - 4mm Thick	1 Sqm	159	139
645	BMT-K.106	Cement Bonded Board conforming to IS:14862-2000 - 6mm Thick	1 Sqm	228	199
646	BMT-K.107	Cement Bonded Board conforming to IS:14862-2000 - 8mm Thick	1 Sqm	293	256

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
647	BMT-K.108	Cement Bonded Board conforming to IS:14862-2000 - 10mm Thick	1 Sqm	337	294
648	BMT-K.109	Cement Bonded Board conforming to IS:14862-2000 - 12mm Thick	1 Sqm	420	367
649	BMT-K.110	Cement Bonded Board conforming to IS:14862-2000 - 14mm Thick	1 Sqm	470	410
650	BMT-K.111	Cement Bonded Board conforming to IS:14862-2000 - 16mm Thick	1 Sqm	534	466
651	BMT-K.112	Cement Bonded Board conforming to IS:14862-2000 - 18mm Thick	1 Sqm	606	529
652	BMT-K.113	Cement Bonded Board conforming to IS:14862-2000 - 20mm Thick	1 Sqm	642	561
653	BMT-K.114	Laminate Sheets - Glossy Finish: 1.00 mm thick	1 Sqm	403	341
654	BMT-K.115	Laminate Sheets - Glossy Finish: 1.50 mm thick	1 Sqm	577	488
	BMT-K.116	Laminate Sheets - Glossy Finish: 1.80 mm thick	1 Sqm	633	536
655	BMT-K.117	Laminate Sheets - Mat Finish: 1.00 mm thick	1 Sqm	428	362
656	BMT-K.118	Laminate Sheets - Mat Finish: 1.50 mm thick	1 Sqm	596	505
657	BMT-K.119	Laminate Sheets - Mat Finish: 1.80 mm thick	1 Sqm	643	544
658	BMT-K.120	Teak Veneer Lamination - 4 mm thick - Pencil Grains	1 Sqm	450	381
659	BMT-K.121	Teak Veneer Lamination - 4 mm thick - Natural Grains	1 Sqm	829	702
660	BMT-K.122	8 mm thick V-Designer Board	1 Sqm	407	345
661	BMT-K.123	50 mm thick V-PANEL	1 Sqm	1071	907
662	BMT-K.124	75 mm thick V-PANEL	1 Sqm	1285	1088
	L.	PLYWOOD <i>(Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)</i>			

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
663	BMT-L.01	3 Ply - 4 mm thick Plywood(IS:303) MR Grade	1 Sqm	407	345
664	BMT-L.02	5 Ply - 6 mm thick Plywood(IS:303) MR Grade	1 Sqm	449	380
665	BMT-L.03	5 Ply - 8 mm thick Plywood(IS:303) MR Grade	1 Sqm	528	447
666	BMT-L.04	5 Ply - 9 mm thick Plywood(IS:303) MR Grade	1 Sqm	528	447
667	BMT-L.05	9 Ply - 12 mm thick Plywood(IS:303) MR Grade	1 Sqm	662	560
668	BMT-L.06	9 Ply - 15 mm thick Plywood(IS:303) MR Grade	1 Sqm	975	825
669	BMT-L.07	9 Ply - 18 mm thick Plywood(IS:303) MR Grade	1 Sqm	956	809
670	BMT-L.08	3 Ply - 4 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	465	394
671	BMT-L.09	5 Ply - 6 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	546	462
672	BMT-L.10	5 Ply - 8 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	680	576
673	BMT-L.11	5 Ply - 9 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	642	543
674	BMT-L.12	9 Ply - 12 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	839	710
	BMT-L.13	9 Ply - 15 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	1205	1020
675	BMT-L.14	9 Ply - 19 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	1209	1023
676	BMT-L.15	3 Ply-4 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	602	510
677	BMT-L.16	5 Ply - 6 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	784	664
678	BMT-L.17	5 Ply - 9 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	1005	851
679	BMT-L.18	9 Ply - 13 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	1280	1084

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
680	BMT-L.19	5 Ply - 9 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	1311	1110
681	BMT-L.20	9 Ply - 12 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	1529	1294
	M.	CEILINGS, WALL PARTITIONS & WALL LININGS			
682	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	281	238
683	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	274	232
684	BMT-M.03	Gypsum Board Plain sheet 12.5 mm thick as per IS 2095 - 1993	1 Sqm	248	210
685	BMT-M.04	G.I. Ceiling Angle - 25 mm x 10 mm x 0.55 mm	1 RM	74	63
686	BMT-M.05	G.I. Ceiling Section 51.5 mm x 26 mm x 10.5 mm x 0.55 mm thick	1 RM	85	72
687	BMT-M.06	G.I. Intermediate Section 45 mm x 15 mm x 15 mm x 0.9 mm	1 RM	84	71
688	BMT-M.07	G.I. Perimeter Channel - 20 mm x 27 mm x 30 mm (web) of 0.55 mm thick	1 RM	74	63
689	BMT-M.08	G.I.-Precoated Fine line Grid 25 mm x 25 mm x 0.7 mm	1 RM	41	35
690	BMT-M.09	G.I.-Precoated Fine line Grid 15 mm x 25 mm x 0.7 mm	1 RM	37	31
691	BMT-M.10	GI - Precoated - T-Sec- 24 mm x 38 mm x 0.7 mm thick	1 RM	54	46
692	BMT-M.11	Hot dipped GI Angle - Precoated - Grid: 19 mm x 19 mm	1 RM	40	34
693	BMT-M.12	Polyester painted GI - T Section - 24 x 32 mm	1 RM	50	42
694	BMT-M.13	Polyester painted GI - T Section - 24 x 25 mm	1 RM	45	38
695	BMT-M.14	Polyester painted GI - T Section - 24 mm x 27 mm	1 RM	46	39
696	BMT-M.15	Aluminium Angle : 24 mm x 24 mm	1 RM	26	22

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
697	BMT-M.16	Anodised Aluminium T Section : 24 x 24.5 x 2.4 mm	1 RM	34	29
698	BMT-M.17	Connecting Clips	1 Each	2	2
699	BMT-M.18	Rawl Plug	1 Each	2	2
700	BMT-M.19	6 mm Nylon Rawl Plug	1 Each	3	3
701	BMT-M.20	Soffit Cleats	1 Each	2	2
702	BMT-M.21	Drywall Screws - 25 mm	1 Each	2	2
703	BMT-M.22	Jointing Compound	1 Kgs	29	25
704	BMT-M.23	Jointing Paper Tape	1 RM	5	4
705	BMT-M.24	Drywall Top Coat	1 Litre	142	120
706	BMT-M.25	Universal Holding Clips	1 Each	3	3
707	BMT-M.26	4 mm Dia GI Connecting Rod	1 RM	12	10
708	BMT-M.27	2 mm Dia GI Connecting Rod	1 RM	10	8
709	BMT-M.28	14 mm - Mineral Fiber sheet 600 x 600 of Board / Tegular Edge tiles with a Humidity Resistance of 80% RH, Average NRC 0.50, Light Reflectance >80%, Thermal Conductivity λ = 0.052 to 0.057 w/mk, Fire Performance Class 0/Class 1	1 Sqm	590	499
710	BMT-M.29	15 mm - Mineral Fiber sheet 600 x 600 of Board / Tegular Edge tiles with a Humidity Resistance of 90% RH, Average NRC 0.50, Light Reflectance >80%, Thermal Conductivity λ = 0.052 to 0.057 w/mk, Fire Performance Class 0/Class 1	1 Sqm	690	584
711	BMT-M.30	16 mm - Tegular Edge 600 x 600 of Board / Tegular/ Micro look Edge tiles with a Humidity Resistance of 99% RH, Average NRC 0.60, Light Reflectance >88%, Thermal Conductivity λ = 0.052 to 0.057 w/mk, Fire Performance Class 0/Class 1	1 Sqm	743	629

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
712	BMT-M.31	12 mm - Mineral Fiber sheet 600 x 600 (Square / Tegular) Edge tiles	1 Sqm	456	386
713	BMT-M.32	15 mm - Mineral Fiber sheet 600 x 600 (Square / Tegular) Edge tiles	1 Sqm	Deleted	Deleted
714	BMT-M.33	Perforated wall panels 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 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	2738	2318
715	BMT-M.34	Vinyl Flooring Sheets/ tiles having a nominal total thickness of 2 mm with a wearing surface impregnated polyurethane homogeneous mixture of PVC, Plasticizers, Urethane, color pigments with wearing resistance and Fire Resistance as per standards	1 Sqm	850	720
716	BMT-M.35	Vinyl Composition Floor Tiles of size 305 mm x 305 mm having an overall thickness of 2.0mm with a wearing surface impregnated polyurethane homogeneous mixture of PVC, Plasticizers, Urethane, color pigments with wearing resistance and Fire Resistance as per standards	1 Sqm	582	452
717	BMT-M.36	Vinyl Flooring Sheets or tiles having a nominal total thickness of 1.5 mm with a wearing surface impregnated polyurethane homogeneous mixture of PVC, Plasticizers, Urethane, color pigments with wearing resistance and Fire Resistance as per standards	1 Sqm	421	327
718	BMT-M.37	Supply of Thermocole 12 mm thick sheets	1 Sqm	26	22
719	BMT-M.38	Supply of Thermocole 19 mm thick sheets	1 Sqm	46	39
720	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	1222	949
721	BMT-M.40	Providing wooden panelling 12 mm thick Novapan one side laminated sheet fixed on wooden frame of BT wood size 50.8	1 Sqm	1810	1405

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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.			
722	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	Deleted	Deleted
725	BMT-M.42	Calcium Silicate Boards - 6mm thick	1 Sqm	230	179
726	BMT-M.43	Calcium Silicate Boards - 8mm thick	1 Sqm	307	238
727	BMT-M.44	Calcium Silicate Boards - 10mm thick	1 Sqm	385	299
728	BMT-M.45	Calcium Silicate Boards - 12mm thick	1 Sqm	461	358
729	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	1 Sqm	1290	1127
730	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	1 Sqm	1444	1261
731	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	1 Sqm	1597	1395

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		coat as per specification finished Item of work - Using 12mm thick Calcium silicate boards			
732	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	1 Sqm	765	668
733	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	1 Sqm	843	736
734	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	1 Sqm	919	803
735	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	1 Sqm	4288	3745
736	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 charges etc complete	1 Sqm	441	385
737	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	367	321
738	BMT-M.55	Designer ceiling Cement Boards -thickness 3.2 mm	1 Sqm	259	201

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
739	BMT-M.56	High pressure steam cured Cement Boards 4 mm thick	1 Sqm.	138	107
740	BMT-M.57	High pressure steam cured Cement Boards 6 mm thick	1 Sqm.	208	161
741	BMT-M.58	High pressure steam cured Cement Boards 8 mm thick	1 Sqm.	276	214
742	BMT-M.59	High pressure steam cured Cement Boards 10 mm thick	1 Sqm.	346	269
743	BMT-M.60	High pressure steam cured Cement Boards 12 mm thick	1 Sqm.	415	322
744	BMT-M.61	High pressure steam cured Cement Boards 14 mm thick	1 Sqm.	484	376
745	BMT-M.62	High pressure steam cured Cement Boards 16 mm thick	1 Sqm.	554	430
746	BMT-M.63	High pressure steam cured Cement Boards 18 mm thick	1 Sqm.	622	483
747	BMT-M.64	High pressure steam cured Cement Boards 20 mm thick	1 Sqm.	692	537
748	BMT-M.65	High pressure steam cured designer Cement Boards 4 mm thick	1 Sqm.	204	158
749	BMT-M.66	High pressure steam cured designer Cement Boards 6 mm thick	1 Sqm.	300	233
750	BMT-M.67	Supply and fixing of 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	1 Sqm.	837	709
751	BMT-M.68	Supply and fixing of 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	1 Sqm.	893	756

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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 Designer			
752	BMT-M.69	Supply and fixing double skin 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 cladged around with self tapping self embedding screws fixed at every 300 mm (centres) leaving 3 mm gap between two panels of width 2'-0" (610 mm). The gap will be covered with decorative moulding surface will be given a smooth finish over cement primer. The rate is inclusive of cost and conveyance of all materials and labour charges etc. complete.	1 Sqm.	1227	1039
753	BMT-M.70	Providing and fixing of 50mm thick 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 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	1660	1405
754	BMT-M.71	Providing and fixing of 75mm thick 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	1 Sqm.	1982	1678

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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 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.			
755	BMT-M.72	Supply and fixing of CEMENT BONDED PARTICLE BOARDS (IS 14276) false ceiling using 8MM CEMENT BONDED PARTICLE BOARDS with galvanized and pre painted steel T section of size 24mm x 38mm x 0.3 mm for main T duty pre punched to accept cross T section of size 24mm x 30mm x 0.3 mm 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. CEMENT BONDED PARTICLE BOARDS 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.	1 Sqm	1039	880
756	BMT-M.73	Supply and fixing CEMENT BONDED PARTICLE BOARDS (IS 14276) wall paneling using 10 MM CEMENT BONDED PARTICLE BOARDS 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. CEMENT BONDED PARTICLE BOARDS is to be fixed to frame by means of self tapping screws placed at every 300 mm intervals leaving 3mm gap between two panels. The cost inclusive of one coat of Altek primer and two coats of Altek smooth finish and cost & conveyance of all materials, labor charges etc. complete as per the direction of Engineer in charge.	1 Sqm	1371	1161
757	BMT-M.74	Supply and fixing CEMENT BONDED PARTICLE BOARDS (IS 14276) double skin partition using with 10 MM CEMENT BONDED PARTICLE BOARDS 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. CEMENT BONDED PARTICLE BOARDS is to be fixed both sides of frame work by using self tapping screws fixed at every 300mm intervals to the frame work leaving 3 mm gap between two panels. The cost inclusive with one coat of Altek	1 Sqm	2003	1696

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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.			
758	BMT-M.75	Supply and fixing of CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS double skin partition using with 10 mm CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS 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. 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	2759	2336
759	BMT-M.76	Supply and fixing of CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS wall paneling using 12MM CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS 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. 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	2083	1763
760	BMT-M.77	Supply and fixing of CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS aluminum glazed partitions using 10MM CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS and 5.00 mm thick plain glass to full height. Using with 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	3435	2908
761	BMT-M.78	Providing and fixing 50mm thick 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	1 sqm	2950	2576

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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			
762	BMT-M.79	Providing and fixing 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	2185	1696
763	BMT-M.80	Providing and fixing 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	1 sqm	2076	1612

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		for sticking the wall panelling sheet (panel) on it. The exact size of the panel and correspondingly of the grid May be varied depending n 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			
764	BMT-M.81	Providing and fixing 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	1350	1179
765	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	368	321
766	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	411	359
767	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	454	397
768	BMT-M.85	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Standard Regular Edge	1 Sqm	465	406
769	BMT-M.86	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Fissura Fine Model	1 Sqm	476	416
770	BMT-M.87	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Speckle Model	1 Sqm	497	434
771	BMT-M.88	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Textura Model	1 Sqm	539	471
772	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	1 Sqm.	1498	1308

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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.			
773	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.	1419	1239
774	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.	2490	2175
775		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.			
776	BMT-M.92	Fixed Partition: Outer frame section size of 46x52mm, mullion section should be of 46x70mm, fixed beading should	1 sqm	4925	4477

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		be of 18x25mm.			
777	BMT-M.93	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	5616	5105
778	BMT-M.94	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.	Deleted	Deleted
779	BMT-M.95	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.	Deleted	Deleted
780	BMT-M.96	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.	Deleted	Deleted
781	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 75mm thick x 600mm standard width x 2400mm, 2700mm, 3000mm & 3300mm lengths	1 Sqm.	Deleted	Deleted
782		Providing & fixing Pre-coated G.I. Wall angle size 22mm X 20mm X 0.4 mm thick of 3050mm long fixed to the brick wall/ partition at the perimeter of ceiling with nylon sleeves and screw at 610 mm centres. Then suspending main G.I. Frame "T" section size of 32mm X 24mm X 0.30mm thick of 3600mm long from soffit in one direction with the help of Rawl Plug and G.I. Wire/Rod of 3mm diameter with 1220mm centres G.I. Cross "T" section of size 25mm X 24mm X 0.30mm thick of 600mm long is inserted into the slots provided in main "T" at 600mm centres to form a grid of			

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		600mm X 600mm. 12/ 15mm tiles of size 600mm X 600mm can be laid on to the grid etc. tiles with a Humidity resistance of 95% RH, Average NRC 0.55 to 0.60, Light reflectance >85% K value 0.052-0.57, Fire performance class O/Class 1 (BS 476) along with surface 3 coats of white paint as directed by department officers.			
783	BMT-M.98	Regular Pin Holes PH-001 (Square & Tegular Edge) 12mm	1 Sqm.	Deleted	Deleted
784	BMT-M.99	Fin Fisured Model FF-002 (Square & Tegular Edge) 12mm	1 Sqm.	Deleted	Deleted
785	BMT-M.100	Random Holes AF-003 (Square & Tegular Edge) 12mm	1 Sqm.	Deleted	Deleted
786	BMT-M.101	Random Pin Holes APH-004 (Square & Tegular edge) 12 mm	1 Sqm.	Deleted	Deleted
787	BMT-M.102	Sand Face ASF-005 (Square & Tegular Edge) 12mm	1 Sqm.	Deleted	Deleted
788	BMT-M.103	Regular Pin Holes PH-001 (Square & Tegular Edge) 15mm	1 Sqm.	Deleted	Deleted
789	BMT-M.104	Fin Fisured Model FF-002 (Square & Tegular Edge) 15mm	1 Sqm.	Deleted	Deleted
790	BMT-M.105	Random Holes AF-003 (Square & Tegular Edge) 15mm	1 Sqm.	Deleted	Deleted
791	BMT-M.106	Random Pin Holes APH-004 (Square & Tegular Edge) 15 mm	1 Sqm.	Deleted	Deleted
792	BMT-M.107	Sand Face ASF-005 (Square & Tegular Edge) 15mm	1 Sqm.	Deleted	Deleted
793	BMT-M.108	Vinyl laminated MPL Gypsum Panels 600 X 600 X 9 mm	1 Sqm.	Deleted	Deleted
794	BMT-M.109	Supply and fixing of wall panelling of 8 mm thick V-BOARD (IS 14862) provided with frame work made of GI stud profile of size 48 x 40 x 10 x 0.55 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-tapping, self-embedding screws fixed around at every 300 mm (centres) leaving a 3 mm gap. The Gap will be covered with a decorative beading or jointing compound. Surface will be given a smooth finish with one coat of primer. Inclusive of all taxes.	1 Sqm	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
795	BMT-M.110	Supply and fixing of wall panelling of 10 mm thick V-BOARD(IS 14862) provided with frame work made of GI stud profile of size 48 x 40 x 10 x 0.55 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-tapping, self-embedding screws fixed around at every 300 mm (centres) leaving a 3 mm gap. The Gap will be covered with a decorative beading or jointing compound. Surface will be given a smooth finish with one coat of primer. Inclusive of all taxes.	1 Sqm	Deleted	Deleted
796	BMT-M.111	Supply and fixing double skin 8mm thick V- BOARD(IS 14862) partition with Frame work made of GI stud profile of size 48x40x10x 0.55 mm thick placed at every 610 mm C/C intervals and 1220 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. The Gap will be covered with a decorative moulding surface will be given a smooth finish with one coat of primer. The rate Inclusive of cost and conveyance of all materials and labour charges etc., Complete.	1 Sqm	Deleted	Deleted
797	BMT-M.112	Supply and installation of V-PLANKS(IS 14862) of size 150 x 3000 x 8mm manufactured by on to an existing steel structure made using Top hat profile / furring channel of 51mm web, 22mm flange of 0.5mm thick (minimum) fastened to the plastered brick wall using anchor bolts / anchor screws, spaced at every 2' (610mm). V planks are screwed to the furring channel using self-drilling screws of 8g x 25mm (minimum) at every 2' at distance of 15mm from the edge of the plank. V Planks fixing is started from the bottom, followed by next plank overlapped by 25mm on to the bottom plan thereby hiding the screws perfectly and continued up to the top. Water based cement primer should be applied to the planks before finishing with the exterior grade paints. (up to 3 floors) Above 3 floors labour charges will be extra and steel grid will change.	1 Sqm	Deleted	Deleted
798	BMT-M.113	Supply and installation of V- PLANKS(IS 14862) of size 200 x 3000 x 8mm thick manufactured by on to an existing steel structure made using Top hat profile / furring channel of 51mm web, 22mm flange of 0.5mm thick (minimum) fastened to the plastered brick wall using anchor bolts / anchor screws, spaced at every 2' (610mm). V planks are screwed to the furring channel using self-drilling CSK screws of 8g x 25mm (minimum) at every 2' at distance of 15mm from the edge of the plank. V- Planks fixing is started from the bottom, followed by next plank overlapped by 25mm on to the bottom plan	1 Sqm	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		thereby hiding. the screws perfectly and continued up to the top. Water based cement primer should be applied to the planks before finishing with the exterior grade paints. (up to 3 floors) Above 3 floors labour charges will be extra and steel grid will change.			
		DRY WALL PARTITION WITH 50 MM THICK V-PANEL			Deleted
799	BMT-M.114	Supply& fixing of 50 mm thick V-PANELcomprise of two 5mm thick V-Boards (asbestos-free fibre reinforced cement sheetsconforming toIS 14862) strongly bonded with core material which is light weight concrete mix of Portland cement, expanded polystyrene bead aggregates and admixture. V-Panels with unique semi-circular Tongue & Groove Joining System provides better stability, rapid installation and better workability. The bottom of the panel shall be fixed to the floor channel made up of 1 mm thick GI channels of size 28x52x31 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 0.8 mm thick GI Channel of size 31 x 52 x 31 mm 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 jointing compound in all the exposed joints. The rate includes cost of 50mm V-PANELS, G.I. Floor and ceilingChannel.	1 Sqm	Deleted	Deleted
800	BMT-M.115	Supply& fixing of 75 mm thick V-PANELcomprise of two 5mm thick V-Boards (asbestos-free fibre reinforced cement sheetsconforming toIS 14862) strongly bonded with core material which is light weight concrete mix of Portland cement, expanded polystyrene bead aggregates and admixture. V-Panels with unique semi-circular Tongue & Groove Joining System provides better stability, rapid installation and better workability. The bottom of the panel shall be fixed to the floor channel made up of 1 mm thick GI channels of size 28x77x31 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 0.8 mm thick GI Channel of size 31x77x31 mm 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 jointing compound in all the exposed	1 Sqm	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		joints. The rate includes cost of 75mm V-PANELS, G.I. Floor and ceiling Channel.			
801	BMT-M.116	CEMENT BONDED PARTICLE PLANK- 8 mm- Available size-150 mm X2440mm and 200mm X 2440mm	1 Sqm	668	607
802	BMT-M.117	CEMENT BONDED PARTICLE PLANK- 10 mm- Available size-150 mm X2440mm and 200mm X 2440mm	1 Sqm	819	745
803	BMT-M.118	CEMENT BONDED PARTICLE PLANK- 12 mm- Available size-150 mm X2440mm and 200mm X 2440mm	1 Sqm	1002	911
	N.	DOORS (Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)			
804	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 10 mm 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	325	275
805	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	1 Sqm.	2362	2000

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		& drawing for finished item of work .			
806	BMT-N.03	Providing and fixing 30mm thick 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	2286
807	BMT-N.04	Providing and fixing 30mm thick 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	1 sqm	2450	2074

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		which should have a 10mm 900 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.			
808	BMT-N.05	SUPPLY &FIXING 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	288
809	BMT-N.06	Providing and fixing 35mm thick 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	2455

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
810	BMT-N.07	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	2095
811	BMT-N.08	Providing and fixing 30mm thick 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	1862

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
812	BMT-N.09	Providing and fixing 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	319
813	BMT-N.10	Providing and fixing 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	364
814	BMT-N.11	Providing and fixing 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	411
815	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	1909	1616
816	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	2003	1696
817	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	2188	1852
818	BMT-N.15	Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 25 mmthick conforming to IS:2202	1 sqm	1088	921
819	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	1314	1112
820	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	1488	1260
821	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	1685	1426
822	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	2097	1775
823	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	2038	1725

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
824	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	2256	1910
825	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	2461	2083
826	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	2812	2381
827	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.	Deleted	Deleted
828	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.	Deleted	Deleted
829	BMT-N.26	Supply and fixing of Cement Bonded Particle Board (IS 14276) cup board frames and shutters and using 16mm Cement Bonded Particle Board 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, 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.	1 sqm	2350	#VALUE!

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
830	BMT-N.27	Supply and fixing Cement Bonded Particle Board (IS 14276) single door shutter using with 16MM Cement Bonded Particle Board 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	2062	#VALUE!
831	BMT-N.28	Supply and fixing of Cement Bonded Particle Board (IS 14276) door shutters using with 16MM Cement Bonded Particle Board with all round style "U" size of 20mmx18mm x20mm made from 0.6mm thick galvanized pre-painted cold rolled steel profiles with Cement Bonded Particle Board 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	2786	#VALUE!
832	BMT-N.29	Supply and fixing of BISON LAM single door shutter using 16MM CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS 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	Deleted	Deleted
833	BMT-N.30	Supply and fixing of Cement Bonded Particle Board (IS 14276) LAM double door shutter using 16MM CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS 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 Cement Bonded Particle Board (IS 14276) 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	1 Sqm	2450	#VALUE!

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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.			
834	BMT-N.31	Doors Frames (Colour Coated Steel Sections) & Shutter using Cement Bonded Particle Board as per IS 14276 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	3845	#VALUE!
835	BMT-N.32	Supply and fixing of Cement Bonded Particle Board (IS 14276) box type cup board using Cement Bonded Particle Board for making frame of size 100mm x 35mm using two sandwiched 16MM boards, one Cement Bonded Particle Board and one CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS with plain 35mm wood lipping. The Shutters are made of 16MM thick CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS (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	3862	#VALUE!
836	BMT-N.33	Supply and fixing of CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS door shutter made out of U sections of size 12x14x12 made from 0.6mm thick pps sections with 12MM CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS 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	1 Sqm	2397	#VALUE!

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		no. nickle coated. The cost is inclusive of all incidentals, labor transportation charges.			
837	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	Deleted	Deleted
838	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	Deleted	Deleted
839	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.	Deleted	Deleted
840	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.	Deleted	Deleted
841	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.	1 Sqm	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		Inclusive of all taxes: With 8 mm V- Board			
842	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 cladged 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	Deleted	Deleted
843	BMT-N.40	Supply and fixing of PVC cupboards for kitchen and bedrooms shall be made out of multi chambered PVC sections having overall dimensions of 20 X 762mm with a wall thickness of 1.2mm $\pm$ 0.3mm. The cabinets shall be made as per the requirements of the room with groove system. The PVC section surface shall be plain and laminated finish to have good look, completed, for finished item of work for SINTEX OR equivalent PVC CABINETS	1 Sqm.	Deleted	Deleted
844	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.	Deleted	Deleted
845	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	1 Sqm.	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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			
846	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.	Deleted	Deleted
847	BMT-N.44	SINTEX ENDURA DOOR SHUTTER (26MM THICK)	1 Sqm.	Deleted	Deleted
848	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.	1923	1628

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
849	BMT-N.46	Supply and fixing of door frame made of hollow extruded PVC section 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	1 RM	254	215
850	BMT-N.47	Supply and fixing of door frame made of hollow extruded PVC section 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	200	169
851	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	Deleted	Deleted
852	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	Deleted	Deleted
853	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	Deleted	Deleted
854	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	Deleted	Deleted
855	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	Deleted	Deleted
856	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	Deleted	Deleted
857	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	1RM	219	185

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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			
858	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	219	185
859	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	248	210
860	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	248	210
861	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 –	1 RM	759	643

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		6Nos. with split end tail. d) Nylon Aldrop Receiver – 1 No. for single shutter frame. e) Tie Rod – 1 No			
862	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	474	401
863	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	6394	5413

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
864	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 (108 mm x 45 mm)/(95.50 mm x 60 mm) x 2.0 mm for outer frames, (75 mm x 39 mm)/(66 mm x 42 mm) x 2.0 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 (48.5 mm x 30 mm)/(50 mm x 26.5 mm) x 2.0 mm uPVC profile section and fitted with nylon/polymer mesh and rollers/pulley duly fixed with TPV Gaskets/ 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	7066	5982
865	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	6731	5698
866	BMT-N.63	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) openable doors with openable shutters duly manufactured using UPVC reinforced profiles of 60 mm x 55 mm x 2.0 mm for outer frames, 70 mm x 60 mm x 2.25 mm for mullion sections as per the need and 102 mm x 60 mm x 2.0 mm for openable shutter frame capable of mounting	1 Sqm	8009	6780

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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 TPV Gaskets/ 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			
867	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	1038	879
868	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	Deleted	Deleted
869	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)coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of	1 Sqm	10283	8705

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		scratch resistance and durability/Epoxy polyester powder for powder coating paint thickness 50-60 microns (Dry film thickness) 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			
870	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). coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability/Epoxy polyester powder for powder coating paint thickness 50-60 microns (Dry film thickness) 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	10968	9285
871	BMT-N.68	Moulded panel solid core flush doors using water-resistant hardwood fibre HDF / MDF fibre boards skins of 2.5 mm thick doors - 30 mm thick	1 Sqm	1934	1637
872	BMT-N.69	Moulded panel solid core flush doors using water-resistant hardwood fibre HDF / MDF fibre boards skins of 2.5 mm thick doors - 35 mm thick	1 Sqm	2114	1790
873	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	1571	1330
874	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	1739	1472

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
875	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 channel using solvent cement, complete as per direction of Engineer-in-charge, manufacturers specification.	1 Sqm	3030	2565
876	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	1480	1253
877	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	2604	2204
878	BMT-N.75	deleted		Deleted	Deleted
879	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 guage throughout the frame and the door frame fixed to the wall using 65/100mm	1 RM	601	509

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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			
880	BMT-N.77	Supply & Fixing of Powder Coated Mild Steel doors, frames & shutters made of Skin pass galvanized Iron sheet conforming to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams / Sq.Mtr with powder coating of thickness 60-65 Microns, frame with 1.2mm thick Skin pass Galvanized Iron sheet formed to single rebate profile of ize 100 mm X 58 mm and filled with in-fill Polyurethane foam, the Door Shutters are with 0.80 mm thick Skin pass Galvanized Iron Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for industrial, commercial, residential, cleanroom applications	1 Sqm	11139	9430
881	BMT-N.78	Supply & Fixing of Stainless steel doors, frames & shutters made of stainless steel grade 304 of hairline finish, frame with 1.2mm thick formed to single rebate profile of ize 100 mm X 58 mm and filled with in-fill Polyurethane foam, the Door Shutters are with 0.80 mm thick Stainless steel Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for industrial, commercial, residential, cleanroom applications	1 Sqm	20886	17681

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
882	BMT-N.79	Supply & Fixing of Powder Coated Fire Rated doors, frames & shutters made of Skin pass galvanized Iron sheet conforming to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams / Sq.Mtr with powder coating of thickness 60-65 Microns, frame with 1.2mm thick Skin pass Galvanized Iron sheet formed to double rebate profile of ize 143 mm X 58 mm with maximum bending radius of 1.4 mm and filled with in-fill Polyurethane foam, the Door Shutters are with 0.80 mm thick Skin pass Galvanized Iron Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 120 minutes Fire Rated door conforming to IS:3614 (Part2) 1992	1 Sqm	13228	11198
883	BMT-N.80	Supply & Fixing of Powder Coated Fire Rated doors, frames & shutters made of Skin pass galvanized Iron sheet conforming to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams / Sq.Mtr with powder coating of thickness 60-65 Microns, frame with 1.2mm thick Skin pass Galvanized Iron sheet formed to double rebate profile of ize 143 mm X 58 mm with maximum bending radius of 1.4 mm and filled with in-fill Polyurethane foam, the Door Shutters are with 0.80 mm thick Skin pass Galvanized Iron Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 60 minutes Fire Rated	1 Sqm	12532	10609

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		door conforming to IS:3614 (Part2) 1992			
884	BMT-N.81	Supply & Fixing of Stainless steel Fire Rated doors, frames & shutters made of Stainless steel of 304 grade hairline finish, frame with 1.2mm thick Stainless steel of 304 grade hairline finish sheet formed to double rebate profile of ize 143 mm X 58 mm with maximum bending radius of 1.4 mm and filled with in-fill Polyurethane foam, the Door Shutters are with 0.80 mm thick Stainless steel of 304 grade hairline finish Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 120 minutes Fire Rated door conforming to IS:3614 (Part2) 1992	1 Sqm	20886	17681
885	BMT-N.82	Supply & Fixing of Stainless steel Fire Rated doors, frames & shutters made of Stainless steel of 304 grade hairline finish, frame with 1.2mm thick Stainless steel of 304 grade hairline finish sheet formed to double rebate profile of ize 143 mm X 58 mm with maximum bending radius of 1.4 mm and filled with in-fill Polyurethane foam, the Door Shutters are with 0.80 mm thick Stainless steel of 304 grade hairline finish Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 60 minutes Fire Rated door conforming to IS:3614 (Part2) 1992	1 Sqm	18209	15415

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
886	BMT-N.83	Supply & Fixing of Lead Lined Clean room doors frames and shutters made of Skin pass galvanized Iron sheet (Conform to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams / Sq.Mtr).with powder coating of thickness 60-65 Microns, frame of 1.60mm thick galvanized steel sheet (Conform to IS 277) formed to Single/double rebate profile of size 100mm X 58mm/ 143x58mm, door frames with a single / multi Layer of Lead sheet varying thickness from 3mm /1mm to 2mm depends on radiation level, the shutter with 1.2 mm thick Galvanized Steel Sheet (Conform to IS 277) formed to provide a 46mm thick fully flush, double skin door shell with Lock Seam joints at stile edges with a single / multi Layer of Lead sheet varying thickness from 3mm /1mm to 2mm depends on radiation level, the lead sheets extend the full width and height of the door, Lead thickness is equal to the shielding in the adjacent wall, the door frames and door shutters are coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns, coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, hardware with Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter etc complete for finished item	1 Sqm	14995	12694
887	BMT-N.84	Supply & Fixing of Lead Lined Stainless steel Clean room door frames and shutters made of Stainless steel grade of 304 hairline finish, frame with 1.60mm (16SWG) thick hairline finish Stainless steel grade of 304 formed to Single/double rebate profile of size 100 mm x 58mm/ 143 x 58 mm, door frames with a single / multi Layer of Lead sheet varying thickness from 3mm /1mm to 2mm depends on radiation level, the shutter with 1.2 mm thick hairline finish Stainless steel grade of 304 formed to provide a 46mm thick fully flush, double skin door shell with Lock Seam joints at stile edges with a single / multi Layer of Lead sheet varying thickness from 3mm /1mm to 2mm depends on radiation level. The lead sheets extend the full width and height of the door. Lead thickness is to be equal to the shielding in the adjacent wall. Hardware can be provided with Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter etc complete for finished item of work	1 Sqm	23671	20039
888	BMT-N.85	Supply and fixing of V- BOARD (conforming to IS 14862) door shutter with all-round 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	1 Sqm	1500	1270

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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.			
889	BMT-N.86	Supply and fixing of BOARD (conforming to IS 14862) 12 mm thick door shutter of size 6'0" x 2'6" with all-round style "U" lipping size 15 x 14 x 15 mm made from 0.8 mm thick powder coated cold rolled steel profiles 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	1285	1088
890	BMT-N.87	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. BOARD (IS 14862) shutter with all-round 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	1767	1496
891	BMT-N.88	Providing, supplying & fixing of glazed 2 Track -2 Panel Sliding Door made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The sliding outer frame having a overall size of 60 x 45 mm with reinforcement of 1 mm thickness, super sash with overall size of 39 x 75 mm with reinforcement of 1.5 mm thickness. Glazing bead for fixing of glass shall be of size 20 x 18mm and coextruded with gasket. Fiber Glass mesh shall be provided in mesh shutter. Window/Door shall be provided with 6 mm plain float glass, standard hardware & multi point locking system of Patio espagnolette. Wall thickness of frame & sash shall be 2.0 mm	1 Sqm	5684	4812
	P.	WINDOWS (Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)			

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
902		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 foam 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.			
903	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	Deleted	Deleted
904	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	Deleted	Deleted
905	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	Deleted	Deleted
906	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	1 Sqm	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		section size of 50mm x 60mm for outer frame.			
907	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	Deleted	Deleted
908	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.	Deleted	Deleted
909	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.	Deleted	Deleted
910		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 -0.58 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 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 x 56 mm 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.			
911	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	6316	5347

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
912	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	6316	5347
913	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	6681	5656
914	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	6498	5501
915	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	6498	5501
916	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	5952	5039
917	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	5952	5039
918	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	5952	5039
919	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	5952	5039
920	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	6924	5862
921	BMT-P.18	Ventilators: Top Hung 4'-0" x 2'-0" (1219.2x609.6mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm	1 Sqm	6924	5862
922	BMT-P.19	Ventilators: Top Hung 4'-0" x 3'-0" (1219.2x914.4mm) outer frame section size of 46 x 52mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm	1 Sqm	6924	5862
923	BMT-P.20	Ventilators: Fixed louvers 2'-0" x 2'-0" (609.6x609.6mm)(Box section) outer frame section size of 33 x 56 mm	1 Sqm	4737	4010
924	BMT-P.21	Ventilators: Fixed louvers 4'-0" x 2'-0" (1219.2 x 609.6 mm) (Box section) outer frame section size of 33 x 56 mm Mullion	1 Sqm	4737	4010

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		section size of 33 x 56 mm			
925	BMT-P.22	Ventilators: Fixed louvers 4'-0" x 3'-0" (1219.2 x 914.4 mm) (Box section) outer frame section size of 33 x 56 mm Mullion section size of 33 x 56 mm	1 Sqm	4737	4010
926		Providing and fixing of Openable Windows made of pre-painted steel (Base steel as per IS 513 of 0.58 mm 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 50 mm, section for shutter of 48 x 25 mm and the fixed glass beading section should be 12 x 12 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.			
927	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 48 x 25 mm.	1 Sqm	5770	4885
928	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 48 x 25 mm. Mullion section size of 48x50mm.	1 Sqm	6134	5193
929	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 48 x 25 mm and mullion section should be of 48x50mm.	1 Sqm	6134	5193
930	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 48 x 25 mm. Mullion section size of 48x50mm. Fixed beading section size of 12x12mm.	1 Sqm	5405	4576
931	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 48 x 25 mm. Mullion section size of 48x50mm. Fixed beading section size of 12 x 12mm.	1 Sqm	5405	4576

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
932		Providing & Fixing of Openable Windows with Fly-mesh made of pre-painted steel (Base Steel as per IS 513 of 0.58 mm 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 48 x 25 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			
933	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 48 x 25 mm.	1 Sqm	7652	6478
934	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 48 x 25 mm. Mullion section size of 72x50mm.	1 Sqm	8017	6787
935	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 48 x 25 mm and mullion section should be of 72x50mm.	1 Sqm	8017	6787
936	BMT-P.31	Centre fixed both side openable shutter window 5'0"x4'0" (1524mm x 1219.2mm). Outer frame section size of 72x50mm. Shutter frame section size of 48 x 25 mm. Mullion section size of 72x50mm. Fixed beading section size of 12 x 12 mm.	1 Sqm	7288	6170
937	BMT-P.32	Centre fixed both side openable shutter window 6'0"x4'0" (1828.8mm x 1219.2mm). Outer frame section size of 72x50mm. Shutter frame section size of 48 x 25 mm. Mullion section size of 72x50mm. Fixed beading section size of 12 x 12 mm.	1 Sqm	6377	5399
938	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	1 sqm	6783	5742

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		'D' quality, galvanized as per IS 277 with zinc of 120 GM/Sq.mtr) with total coated thickness of 0.58 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			
939	BMT-P.34	deleted			
940	BMT-P.35	deleted			
941	BMT-P.36	deleted			
942	BMT-P.37	deleted			
943	BMT-P.38	deleted			
944	BMT-P.39	deleted			
945	BMT-P.40	deleted			
946	BMT-P.41	deleted			
947	BMT-P.42	deleted			
948	BMT-P.43	deleted			
949	BMT-P.44	deleted			

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
950	BMT-P.45	deleted			
951	BMT-P.46	deleted			
952	BMT-P.47	deleted			
953	BMT-P.48	deleted			
954	BMT-P.49	deleted			
955	BMT-P.50	deleted			
956	BMT-P.51	deleted			
957	BMT-P.52	deleted			
958	BMT-P.53	deleted			
959	BMT-P.54	deleted			
960	BMT-P.55	deleted			
961	BMT-P.56	deleted			
962	BMT-P.57	deleted			
963	BMT-P.58	deleted			
964	BMT-P.59	Supply & fixing of fly mesh shutters of size 20x40mm fly proof mesh with std. Spn (S.S) fly mesh including cost and conveyance of all materials, and labour charges etc. Complete for finished item of work including of all taxes. : Single shutter 2'-0" x 4'-0" (609.6 x 1219.2mm) Shutter section size 20 x 40mm	1 Sqm	Deleted	Deleted
965	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.	1 Sqm	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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			
966	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	Deleted	Deleted
967	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	Deleted	Deleted
968	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	Deleted	Deleted
969	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	Deleted	Deleted
970	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 lengh 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	Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
971	BMT-P.66	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows two track sliding duly manufactured using UPVC reinforced profiles of (62 mm x 60 mm)/(60 mm x 45 mm) x 2.0 mm for outer frames, (66 mm x 38 mm)/(58 mm x 39 mm) x 2.0 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 TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 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	6391	5410
972	BMT-P.67	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows three track - only two glass shutters sliding duly manufactured using UPVC reinforced profiles of (80 mm x 52 mm)/ (94 mm x 45 mm) x 2.0 mm for outer frames, (54 mm x 38 mm)/(39 mm x 58 mm) x 2.20 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 TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 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	5995	5075
973	BMT-P.68	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows three track - two glass shutters sliding and one mesh shutter duly manufactured using UPVC reinforced profiles of (94 mm x 45 mm)/(80 mm x 52 mm) x 2.0 mm for outer frames, (58 mm x 39 mm)/(54 mm x 38 mm) x 2.0 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 (42 mm x 25	1 Sqm	6674	5650

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		mm)/(52 mm x 21.5 mm) x 2 mm fitted with nylon/ polymer mesh on rollers/ pulley duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 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			
974	BMT-P.69	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows openable shutters duly manufactured using UPVC reinforced profiles of 48 mm x 60 mm x 2.0 mm for outer frames, 64 mm x 60 mm x 2.0 mm for mullion sections for two or more openable shutters and 78 mm x 60 mm x 2.0 mm for outward openable shutter frame or 70 mm x 60 mm x 2.0 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 TPV Gaskets/ 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, 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	6471	5478
975	BMT-P.70	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows openable shutters duly manufactured using UPVC reinforced profiles of 60 mm x 55 mm x 2.0 mm for outer frames, 70 mm x 60 mm x 2.0 mm for mullion sections for two or more openable shutters 70 mm x 60 mm x 2.0 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 TPV Gaskets/ 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	1 Sqm	7051	5969

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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			
976	BMT-P.71	DELETED	1 Sqm	Deleted	
977	BMT-P.72	DELETED	1 Sqm	Deleted	
978	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	5685	4813
979	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	1 Sqm	5093	4312

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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			
980	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	7142	6046
981	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	1 Sqm	6566	5559

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		including of all taxes - 1530 x 1372 or above size			
982	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	4766	4035
983	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	Deleted	Deleted
984	BMT-P.79	Providing & fixing white colour Rigid PVC window frame and shutter with double 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	Deleted	Deleted
985	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	1 Sqm	5952	5039

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		/Sq.Mtr.) with total coated thickness of 0.58 mm, 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 59 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 Glass 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			
986		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 Aluminium 1 No. per each shutter and cut to length mitre 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.			
987	BMT-P.81	a) Window with Two Sliding Shutters and without Grill Outer Frame Size 75 mm x 50 mm.	1 Sqm	5302	4488
988	BMT-P.82	b) 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	5880	4978

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
989		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.			
990		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.			
991	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	6212	5259
992	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	6801	5757
993	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	1 Sqm	6801	5757

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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.			
		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.			
994	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	5570	4715
995	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	6095	5160
996	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	6095	5160
997		Providing and fixing of Openable / Casement Windows made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint of 60-65 microns thick and section for outer frame of 80 x 45 mm, centre mullion of 80 x 60 mm, section for shutter of 52 x 25 mm x 0.6 mm thick, outer frame and mullions to have rebate for glazed shutter with a provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, 1 No. of High grade nylon latch handle, window stopper, 2 nos. of with MS Powder coated /SS ball bearing butt Hinges provided per shutter and windows fitted with 4 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10 mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work.			

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
998	BMT-P.89	Single openable shutter window size of 2' 0" x 4' 0" (609.6 x 1219.2mm) outer frame section size of 80 x 45mm, shutter frame section size of 52 x 25mm thick	1 sqm	5088	4307
999	BMT-P.90	Double openable shutter window Size of 3' 0" x 4' 0" (914.4mm x 1219.2mm) outer frame section size of 80 x 45mm, shutter frame section size of 52 x 25mm, vertical mullion section size of 80 x 60 mm	1 sqm	5409	4579
1000	BMT-P.91	Double openable shutter window size of 4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame section size 80 x 45mm, shutter frame section size of 52 x 25 mm ,Vertical mullion section size of 80 x 60 mm	1 sqm	5409	4579
1001	BMT-P.92	Double Openable Shutter and Center Fixed window of size 5'0 x 4'0 (1524 x 1219.2mm)outer frame section size of 80mm x 45mm, shutter frame section size of 52 x 25mm ,Vertical mullion section size of 80 x 60 mm, beading section size of 9 x 12mm to be provided for glass holding	1 sqm	4766	4035
1002	BMT-P.93	Double Openable Shutter and Center Fixed window of size 6'0 x 4'0 (1829.6 x 1219.2mm)outer frame section size of 80mm x 45mm , shutter frame section size of 52 x 25mm ,Vertical mullion section size of 80 x 60 mm, beading section size of 9 x 12mm to be provided for glass holding	1 sqm	4766	4035
		Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish			
1003		Providing and fixing of Openable / Casement Windows with fly mesh made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint of 60-65 microns thick and section for outer frame of 100 x 45 mm, centre mullion of 100 x 60 mm, section for shutter of 52 x 25 mm x 0.6 mm thick, section for fly-shutter of 52 x 25 mm x 0.6 mm thick and fitted with stainless steel 32 gauge fly mesh of 304 grade with 144 holes per sq.inch and mullions to have double rebate for glazed shutter and fly-shutter with a provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, 1 No. of High grade nylon latch handle, window stopper, 2 nos. of with MS Powder coated /SS ball bearing butt Hinges provided per shutter and windows fitted with 4 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10 mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work.			

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1004	BMT-P.94	Single openable shutter window size of 2' 0" x 4' 0" (609.6 x 1219.2mm) outer frame Double rebate section size of 100 x 45mm, Glazed and flymesh shutter profile section size of 52 x 25mm	1 sqm	6748	5713
1005	BMT-P.95	Double openable shutter window Size of 3' 0" x 4' 0" (914.4mm x 1219.2mm) outer frame Double rebate section size of 100 x 45mm, Glazed and flymesh shutter profile section size of 52 x 25mm, vertical mullion section size of 100 x 60 mm	1 sqm	7069	5984
1006	BMT-P.96	Double openable shutter window size of 4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame Double rebate section size of 100 x 45mm, Glazed and flymesh shutter profile section size of 52 x 25mm, vertical mullion section size of 100 x 60 mm	1 sqm	7069	5984
1007	BMT-P.97	Double Openable Shutter and Center Fixed window of size 5'0 x 4'0 (1524 x 1219.2mm)outer frame section size of 80mm x 45mm , shutter frame section size of 52 x 25mm ,Vertical mullion section size of 100 x 60 mm , beading section size of 9 x 12mm to be provided for glass holding	1 sqm	6427	5441
1008	BMT-P.98	Double Openable Shutter and Center Fixed window of size 6'0 x 4'0 (1829.6 x 1219.2mm)outer frame section size of 80mm x 45mm , shutter frame section size of 52 x 25mm ,Vertical mullion section size of 100 x 60 mm , beading section size of 9 x 12mm to be provided for glass holding	1 sqm	6427	5441
		Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish			
1009		Providing and fixing of top hung Ventilators made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint of 60-65 microns thick and section for outer frame of 80 x 45 mm, centre mullion of 80 x 60 mm, section for shutter of 52 x 25 mm x 0.6 mm thick, outer frame and mullions to have rebate for glazed shutter with a provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, 1 No. of High grade nylon latch handle, window stopper, 2 nos. of with MS Powder coated /SS ball bearing butt Hinges provided per shutter and windows fitted with 4 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10 mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work.			

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1010	BMT-P.99	Single openable ventilator shutter size of 2' 0" x 2' 0" (609.6 x 609.6mm) outer frame section size of 80 x 45mm, shutter frame section size of 52 x 25mm thick	1 sqm	6105	5168
1011	BMT-P.100	Double openable ventilator shutter Size of 4' 0" x 2' 0" (1219.2mm x 609.6mm) outer frame section size of 80 x 45mm, shutter frame section size of 52 x 25mm, vertical mullion section size of 80 x 60 mm	1 sqm	6105	5168
1013	BMT-P.101	Double openable fix shutter size of 4'0" x 3'0" (1219.2mm x 914.4mm) outer frame section size of 80 x 45mm , shutter frame section size of 52 x 25 mm ,Vertical mullion section size of 80 x 60 mm	1 sqm	6105	5168
1014	BMT-P.102	Single fixed Louvers Ventilator size of 2' 0" x 2' 0" (609.6 x 609.6mm) outer frame box section size of 80 x 45mm	1 sqm	4177	3536
1015	BMT-P.103	Double fixed Louvers ventilator Size of 4' 0" x 2' 0" (1219.2mm x 609.6mm) outer frame box section size of 80 x 45mm, vertical mullion section size of 80 x 60 mm	1 sqm	4177	3536
1016	BMT-P.104	Double fixed Louvers Ventilator size of 4'0" x 3'0" (1219.2mm x 914.4mm) outer frame box section size of 80 x 45mm , Vertical mullion section size of 80 x 60 mm	1 sqm	4177	3536
		Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish			
1017		Providing and fixing of top hung Ventilator with fly mesh made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint of 60-65 microns thick and section for outer frame of 100 x 45 mm, centre mullion of 100 x 60 mm, section for shutter of 52 x 25 mm x 0.6 mm thick, section for fly-shutter of 52 x 25 mm x 0.6 mm thick and fitted with stainless steel 32 gauge fly mesh of 304 grade with 144 holes per sq.inch and mullions to have double rebate for glazed shutter and fly-shutter with a provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, 1 No. of High grade nylon latch handle, window stopper, 2 nos. of with MS Powder coated /SS ball bearing butt Hinges provided per shutter and windows fitted with 4 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10 mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work.			
1018	BMT-P.105	Single openable ventilator shutter window size of 2' 0" x 2' 0" (609.6 x 609.6mm) outer frame section size of 100 x 45mm,	1 sqm	7551	6392

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		Glazed and flymesh shutter frame section size of 52 x 25mm thick			
1019	BMT-P.106	Double openable ventilator shutter window Size of 4' 0" x 2' 0" (1219.2mm x 609.6mm) outer frame section size of 100 x 45mm, Glazed and flymesh shutter frame section size of 52 x 25mm, vertical mullion section size of 100 x 60 mm	1 sqm	7551	6392
1020	BMT-P.107	Double openable fix shutter window size of 4'0" x 3'0" (1219.2mm x 914.4mm) outer frame section size 100 x 45mm , Glazed and flymesh shutter frame section size 52 x 25 mm ,Vertical mullion section size of 100 x 60 mm	1 sqm	7551	6392
1021	BMT-P.108	Single fixed Louvers Ventilator window size of 2' 0" x 2' 0" (609.6 x 609.6mm) outer frame box section size of 100 x 45mm, flymesh shutter frame section size 52 x 25 mm	1 sqm	5088	4307
1022	BMT-P.109	Double fixed Louvers ventilator window Size of 4' 0" x 2' 0" (1219.2mm x 609.6mm) outer frame box section size of 100 x 45mm, flymesh shutter frame section size 52 x 25 mm, vertical mullion section size of 100 x 60 mm	1 sqm	5088	4307
1023	BMT-P.110	Double fixed Louvers Ventilator window size of 4'0" x 3'0" (1219.2mm x 914.4mm) outer frame box section size 100 x 45mm , flymesh shutter frame section size 52 x 25 mm Vertical mullion section size of 100 x 60 mm	1 sqm	5088	4307
		Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish			
1024	BMT-P.111	Providing, supplying & fixing of Fixed Louvered Ventilator made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The outer frame having an overall size of 60 x 55 mm with reinforcement of 1 mm thickness and Mullion with overall size of 74 x 60 mm with reinforcement of 1 mm thickness. Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware. Wall thickness of frame & Mullion shall be 2.0 mm	1 sqm	6005	5084
1025	BMT-P.112	Providing, supplying & fixing of Top hung Ventilator With Exhaust Fan Provision made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The outer frame having a overall size of 60 x 55 mm with reinforcement of 1 mm thickness, Mullion with overall size of 74 x 60 mm with reinforcement of 1 mm thickness and Sash with overall size of 75 x 60 mm with reinforcement of 1.5 mm thickness. Glazing bead for fixing of glass shall be of	1 sqm	8450	7153

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		size 34 x 20 mm coextruded with gasket. Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware, single point locking and friction stays. Wall thickness of frame, mullion and sash shall be 2.0 mm			
	Q.	STRUCTURAL GLAZING			
1039	BMT-Q.01	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 99 mm x 0.72 mm, 33 mm x 56 mm x 0.72 mm for frame horizontal section, stiffener section of 47 mm x 97 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 fixing charges complete for finished item of work.	1 Sqm	7288	6170
1040	BMT-Q.02	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 0.58 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 0.58 mm, shutter sections of 57 mm x 33 mm	1 Sqm	5891	4987

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		x 0.72 mm, stiffener sections of 55 mm x 31 mm x 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 fixing charges etc for finished item of work			
1041	BMT-Q.03	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 alkyd 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		6013	5090
1042	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	6013	5090
1043	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	4724	3999
1044	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	4724	3999
1045	BMT-Q.07	deleted		Deleted	Deleted
1046	BMT-Q.08	deleted		Deleted	Deleted
1047	BMT-Q.09	deleted		Deleted	Deleted

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1048	BMT-Q.10	deleted		Deleted	Deleted
1049	BMT-Q.11	deleted		Deleted	Deleted
1050	BMT-Q.12	deleted		Deleted	Deleted
1051	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		6903	5844
1052	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	3240	2743
1053	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	1 Sqm	3872	3278

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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			
	S.	A. DISMANTLING clearing away and carefully stacking materials useful for reuse.			
1054	BMT-S.01	Stone masonry in cement mortar	1 Cum	361	361
1055	BMT-S.02	Terracing work in roofs or floors	10 Sqm	150	150
1056	BMT-S.03	Flat stones in roof or floors including lifting	10 Sqm	130	130
1057	BMT-S.04	Pan tiled or Mangalore tiled roof without roof timbers.	10 Sqm	110	110
1058	BMT-S.05	Flat and pan tiles or Mangalore tiles over flat tiles without roof timbers	10 Sqm	130	130
1059	BMT-S.06	Wrought and framed timber in roofs or floors	1 Cum	188	188
1060	BMT-S.07	Old lime mortar plaster	10 Sqm	40	40
1061	BMT-S.08	Old cement mortar plaster	10 Sqm	50	50
1062	BMT-S.09	Dry rough stone revetment for aprons and stacking within 40 M lead	1 Cum	60	60
1063	BMT-S.10	Revetment for aprons and stacking grouted within 40 lead	1 Cum	44	44
1064	BMT-S.11	Kadapa slabs or Shahabad stone slabs flooring on sand bed	10 Sqm	60	60
1065	BMT-S.12	Through scraping of old plastered surface	10 Sqm	40	40
1066	BMT-S.13	Washing of plastered surface with soap, soda and water (or with soda lime and water)	10 Sqm	12	12
1067	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	40	40

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1068	BMT-S.15	Clean removal of cement plaster from walls and raking out joint 200 mm deep	10 Sqm	50	50
	T.	READY MIX CONCRETE			
1069	BMT-T.01	Deleted			
1070	BMT-T.02	Deleted			
1071	BMT-T.03	Deleted			
1072	BMT-T.04	Deleted			
1073	BMT-T.05	Deleted			
	U.	EXPANSION JOINT FILLERS			
1074	BMT-U.01	Supply of high performance expansion joint filler board conforming to M.O.S.T - 18 mm THICK	1 Sqm	804	624
1075	BMT-U.02	Supply of high performance expansion joint filler board conforming to M.O.S.T - 20 mm THICK	1 Sqm	902	700
1076	BMT-U.03	Supply of high performance expansion joint filler board conforming to M.O.S.T - 25 mm THICK	1 Sqm	1127	875
1077	BMT-U.04	Supply of expansion joint filler board for buildings, columns, beams and slabs 20 mm THICK	1 Sqm	322	250
1078	BMT-U.05	Supply of expansion joint filler board for buildings, columns, beams and slabs 25 mm THICK	1 Sqm	403	313
1079	BMT-U.06	Supply of expansion joint filler board for buildings, columns, beams and slabs 50 mm THICK	1 Sqm	804	624
1080	BMT-U.07	Supply of back up to cold applied sealant in construction and longitudinal joint - 10 mm OD	1 RM	13	10
1081	BMT-U.08	Supply of back up to cold applied sealant in construction and longitudinal joint - 12 mm OD	1 RM	15	12
1082	BMT-U.09	Supply of back up to cold applied sealant in construction and longitudinal joint - 15 mm OD	1 RM	18	14
1083	BMT-U.10	Supply of back up to cold applied sealant in construction and longitudinal joint - 20 mm OD	1 RM	26	20

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1084	BMT-U.11	Supply of back up to cold applied sealant in construction and longitudinal joint - 25 mm OD	1 RM	32	25
	V.	LABOUR CHARGES			
1085	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	220	220
1086	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	260	260
1087	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	303	303
1088	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	349	349
1089	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	542	542
1090	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	655	655
1091	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	550	550
1092	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	840	840
1093	BMM-V.09	Rounding the edges of Kadapa / Shahabad stone slabs of any thickness including polishing the same	1 Rm	95	95
1094	BMM-V.10	Half Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same.	1 Rm	289	289

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1095	BMM-V.11	Full Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same.	1 Rm	374	374
1096	BMM-V.12	Machine Cutting charges - for Marble/ Granite slabs up to 50 mm thick by mechanical device.	1 RM	15	15
1097	BMM-V.13	Flat nosing to Kadapa/ Shahabad stone slabs of any thick	1 Rm	45	45
1098	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	24	24
1099	BMM-V.15	Labour charges for fixing Iron Doors, Iron Windows and Window Grills in position	1 Kg	4	4
1100	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	21	21
1101	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	19	19
1102	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	119	119
1103	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	1596	1596
1104	BMM-V.20	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Etching works	1 Sqm	868	868
1105	BMM-V.21	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Reverse Etching work	1 Sqm	1074	1074
1106	BMM-V.22	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Acid wash works	1 Sqm	1342	1342
1107	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	348	348
1108	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	260	260

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1109	BMM-V.25	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Fully panelled doors external or internal including frame	1 sqm	1427	1427
1110	BMM-V.26	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Glazed and panelled doors including fixing glass including frame	1 sqm	1349	1349
1111	BMM-V.27	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Framed and planked doors including frame	1 sqm	1183	1183
1112	BMM-V.28	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Ledge, braced and planked doors including frame	1 sqm	925	925
1113	BMM-V.29	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Flush type door shutter including frame	1 sqm	713	713
1114	BMM-V.30	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows glazed including outer frame and shutter frame	1 sqm	913	913
1115	BMM-V.31	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows panelled including outer frame and shutter frame	1 sqm	1377	1377
1116	BMM-V.32	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows ledge, braced and planked including outer frame	1 sqm	940	940
1117	BMM-V.33	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows framed and planked including outer frame and shutter frame	1 sqm	1124	1124

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1118	BMM-V.34	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Ventilators glazed, fixed with double frame with wire netting including frame	1 sqm	757	757
1119	BMM-V.35	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Swing ventilators glazed including outer frame and shutter frame	1 sqm	957	957
1120	BMM-V.36	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Weld mesh doors and windows including outer frame and shutter frame	1 sqm	538	538
1121	BMM-V.37	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood G.I or .AC sheet door & windows including outer frame and shutter frame	1 sqm	626	626
1122	BMM-V.38	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Fully panelled doors external or internal including frame	1 sqm	1320	1320
1123	BMM-V.39	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Glazed and panelled doors including fixing glass including frame	1 sqm	1261	1261
1124	BMM-V.40	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Framed and planked doors including frame	1 sqm	1094	1094
1125	BMM-V.41	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Ledged, braced and planked doors including frame	1 sqm	856	856
1126	BMM-V.42	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Flush type door shutter including frame	1 sqm	685	685

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1127	BMM-V.43	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Windows glazed including outer frame and shutter frame	1 sqm	854	854
1128	BMM-V.44	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Windows panelled including outer frame and shutter frame	1 sqm	1273	1273
1129	BMM-V.45	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Windows ledged, braced and planked including outer frame	1 sqm	870	870
1130	BMM-V.46	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Windows framed and planked including outer frame and shutter frame	1 sqm	1039	1039
1131	BMM-V.47	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Ventilators glazed, fixed with double frame with wire netting including frame	1 sqm	736	736
1132	BMM-V.48	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Swing ventilators glazed including outer frame and shutter frame	1 sqm	920	920
1133	BMM-V.49	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Weld mesh doors and windows including outer frame and shutter frame	1 sqm	511	511
1134	BMM-V.50	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood G.I or .AC sheet door & windows including outer frame and shutter frame	1 sqm	598	598
1135	BMM-V.51	Grooves 2-3 mm	1 Rm	50	50

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
	W.	MISCELLANEOUS ITEMS			
1136	BMS-W.01	Supplying Aluminium anodised Sections for Doors, partitions, windows, Ventilators (including annodization cost)	1 Kg	321	306
1137	BMS-W.02	Sun Control film to the glazed windows partition including labour charges.	1 sqm	329	313
1138	BMS-W.03	Aluminium Venetian Blinds horizontal 25.4 mm wide with all accessories.	1 sqm	838	798
1139	BMS-W.04	Aluminium Venetian Blinds horizontal 20.0 mm wide with all accessories.	1 sqm	798	760
1140	BMS-W.05	Venetian blinds Vertical blinds 100 mm wide with all accessories.	1 sqm	1355	1290
1141	BMS-W.06	Rubber Beading	1 RM	2	2
1142	BMS-W.07	S&F of marblex flooring with 2.0 mm thick in rolls.	1 sqm	Deleted	Deleted
1143	BMS-W.08	S&F Vinyl Flooring with 1.5 mm thick in rolls	1 sqm	Deleted	Deleted
1144	BMS-W.09	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	1 Litre	228	217
1145	BMS-W.10	Soft Brush	Each	148	125
1146	BMS-W.11	Wire Brush	Each	33	28
1147	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	2586	2189
1148	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	1 Sqm	2820	2387

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
		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			
1149	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	3163	2678
1150	BMS-W.15	CEMENT JALI - 25 mm thick	1 sqm	226	191
1151	BMS-W.16	CEMENT JALI - 40 mm thick	1 sqm	293	248
1152	BMS-W.17	CEMENT JALI - 50 mm thick	1 sqm	402	340
1153	BMS-W.18	Aluminium sheet 24 Gauge	1 Sqm	302	256
1154	BMS-W.19	7.5mm thick Aluminium Grill (as approved by the department) 3.58 Kg/Sqm.	1 Sqm	1112	941
1155	BMS-W.20	Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1" (25.4 mm) thick	1 Sqm	991	839
1156	BMS-W.21	Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1/2" (12.7 mm) thick	1 Sqm	568	481
1157		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.			
1158	BMS-W.22	Circular sign plate Dia 400mm.	Each.	577	488
1159	BMS-W.23	Circular sign plate Dia 600mm.	Each.	1517	1284
1160	BMS-W.24	Circular sing plate Dia 870mm	Each.	3040	2574

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1161	BMS-W.25	Triangular sign plate 600mm.	Each.	779	659
1162	BMS-W.26	Triangular sign plate 900mm.	Each.	1759	1489
1163	BMS-W.27	Square sign plate 600mm.	Each.	1410	1194
1164	BMS-W.28	Square sign plate 1000mm.	Each.	5236	
1165	BMS-W.29	Supply of Polyethylene water storage tank double layer conforming to IS:12701-1996 with lid.	Litre.	8	7
1166		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			0
1167	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	395	345
1168	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	Deleted	Deleted
1169	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	Deleted	Deleted
1170	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	1430	1249
1171	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	154	134

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1172	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	222	194
1173	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	253	221
1174	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	4591	4010
1175	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	4394	3838
1176	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	4917	4917
1177	BMS-W.40	Painting:-1) Steel structure is to be painted with 2 coats of Grade I enamel paint.	1 Sqm	124	124
1178	BMS-W.41	2) Exterior walls are painted with one coast of primer and 2 coats of exterior emulsion paint .	1 Sqm	111	111
1179	BMS-W.42	3) Interiors are painted with 1+2 coat of O.B.D.	1 Sqm	97	97
1180	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	1050	1050
1181	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	3541	3541
1182	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	799	799

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1183	BMS-W.46	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.	1 RM	428	428
1184		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			0
1185		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)			0
1186		c) 12 mm Dia MS tie rod at bottom with necessary size of nuts on either side.			0
1187	BMS-W.47	Preparing gabions with jungle wood	Each	3	3
1188	BMS-W.48	Planting plants	Each	2	2
1189	BMS-W.49	Pruning plants	Each	2	2
1190	BMS-W.50	Maintaining avenues including fencing, weeding, mulching, watering etc per plant.	Each	6	6
1191	BMS-W.51	- do - When scattered in hot weather with extra conveyance from March to June	Each	7	6
1192	BMS-W.52	Hoisting or lowering of slab	1 cum	105	89
1193	BMS-W.53	Dressing faces of granite stone (double line dressing)	1 Sqm	174	147
1194	BMS-W.54	Dressing faces of other than granite stone(double line dressing)	1 Sqm	108	91

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1195	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	456	386
1196	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	445	377
1197	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	400	339
1198	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	376	318
1199	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	307	260
1200	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	274	232
1201	BMS-W.61	75 mm long screws -	1 Each	4	3
1202	BMS-W.62	G.I scam bolts & nuts	1 Each	5	4
1203	BMS-W.63	G.I bolts & nuts	1 Each	5	4
1204	BMS-W.64	G.I 'J' bolts 8 mm dia	1 Each	10	8

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1205	BMS-W.65	G.I Washers	1 Each	1	1
1206	BMS-W.66	Limpet washers (for scam & 'J' bolts)	1 Each	1	1
1207	BMS-W.67	Bitumen washers	1 Each	1	1
1208	BMS-W.68	White Cement	1 Kg	29	25
1209	BMS-W.69	MS Z Hold fasts - 300 mm long of 40 x 40 x 5 mm ISA	1 Each	35	30
1210	BMS-W.70	Rubber/ Nylon door stop bushes	1 Each	10	8
1211	BMS-W.71	Nylon rollers for sliding glasses/ alluminium windows	1 Each	15	13
1212	BMS-W.72	Powder coating or colour annodization- any section	1 RM	50	42
1213	BMS-W.73	Continuous Piano Hinges Powder coated Mild steel as per IS-3818 : 1992 of nominal size 25 mm (B) of thickness 0.8 to 1.0 mm	1 RM	35	30
1214	BMS-W.74	Box hinges for cup boards	1 Each	45	38
1215	BMS-W.75	Magnetic Catchers	1 Each	15	13
1216	BMS-W.76	Drilling holes in hard rock surfaces up to 18mm dia	1 RM	210	178
1217	BMS-W.77	Drilling holes in hard rock above 18mm dia	1 RM	293	248
1218	BMS-W.78	Making holes up to 18mm dia in RCC/ any stones up to 50 mm thick	1 Each	35	30
1219	BMS-W.79	Making holes above 18mm dia in RCC/ any stones above 50 mm thick	1 Each	49	41
1220	BMS-W.80	Pressure grouting the drilled holes with neat cement slurry or with approved epoxy bonding agent using pump	1 Each	50	42
	X.	MACHINERY CHARGES, HIRE CHARGES FOR CENTRING			

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
1224	BMC-X.01	Machine charges of rubbing/ polishing floor	1 day	2145	1665
1225	BMC-X.02	Power Saw Cutter - Hand Operated - Hire charges	1 Hr	125	97
1226	BMC-X.03	Power Drill - Hand Operated - Hire Charges	1 Hr	116	90
1227	BMC-X.04	Grinding Mortar (Spl Grinding)	1 day	1072	832
1228	BMC-X.05	Casuarina Balli Props - 3" to 4" dia - 12'-0" Height	Each	73	57
1229	BMC-X.06	Casuarina Balli Props - 4" to 8" dia - 20'-0" Height	Each	121	94
1230	BMC-X.07	Wall Plate Brackets / beam bottom supports	Each	212	165
1231	BMC-X.08	Wedge Plate fixture	Each	10	8
1232	BMC-X.09	Runner beams of approximately 4" x 4" size	RM	425	330
1233	BMC-X.10	Steel Plates for form works	1 sqm	1609	1249
1234	BMC-X.11	Scaffolding Pipes & Centering accessories	1 Kg	121	94
1235	BMC-X.12	Scaffold Boards - Bamboo scaffolds - Bamboos - 8'0" long	Each	130	101
1236	BMC-X.13	Hire charges for stationary Concrete pump conforming to IS 21573 Part-1: 2006 to deliver the fresh green concrete	1 Hr	342	266
1237	BMC-X.14	Concrete delivery pipes conforming to IS 15947 Part I: 2012 to be connected to the pump to delivery point (150 mm Diameter) hire charges per 10 RM	1 Hr	4	3

- 1 All the items to be used on the works shall be of first quality & ISI marked wherever possible and as approved, workmanship shall be 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 in the estimates as applicable.
- 4 SSR Rates for Building items are purely for the guidance of the officers in preparation of estimates

Sl. No	Item Code	Description of item	Unit	Rate for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6

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 - Denotes the Section

XXX-X."01" - Denotes the Serial Number of the Item in the corresponding Section

SI	NAME OF THE STRUCTURAL MEMBER	Material Hire charges Rs.	Labour charges Rs.	Centring Charges for 2015-16 (Rs.)	Unit of Measurement
1	2	3	4	5	6
HIRE CHARGES FOR CENTERING & SCAFFOLDING					
A	FOOTINGS	277	473	750	per 1 cum
B	BED BLOCKS,BANDS	61	244	305	per 1 cum
C	PEDESTALS	315	753	1068	per 1 cum
D	PLINTH BEAMS	1335	1141	2476	per 1 cum
HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height upto 3.66 MSteel scaffolding pipes,jack Props,wallers,Foot plates,brackets,steel Centering Plates, etc.,					
E	LINTELS	1133	1211	2344	per 1 cum
F	CHAJJAS - SUNSHADES	224	186	410	per 1 sqm
G	COLUMNS	341	1700	2041	per 1 cum

H	BEAMS	2002	1426	3428	per 1 cum
I	SLABS - Up to 150 mm thick	227	162	389	per 1 sqm
J	SLABS - above 150 mm - Up to 300 mm thick	233	166	399	per 1 sqm
K	SLABS - above 300 mm thick	244	174	418	per 1 sqm
L	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	824	587	1411	per 1 sqm
M	PERGOLA SLABS (Only Rib Beams)	578	412	990	per 1 sqm
N	ARCH BEAMS - up to 1.5 M Span	2276	1621	3897	per 1 cum
O	ARCH BEAMS - above 1.5 M Span	2308	1644	3952	per 1 cum
P	DOME SLABS	3681	2621	6302	per 1 cum
Q	HELICAL STAIRCASES	280	200	480	per 1 sqm
R	SHEAR WALLS,RCC WALLS,WATER TANK WALLS	DELETED			
HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height upto 3.66 M Casurina Ballies,Bamboos,Wooden Reapers,Runners,Wood Posts,Wall Plates etc.,					
E	LINTELS	760	953	1713	per 1 cum
F	CHAJJAS - SUNSHADES	150	146	296	per 1 sqm
G	COLUMNS	229	1338	1567	per 1 cum
H	BEAMS	1342	1122	2464	per 1 cum
I	SLABS - Up to 150 mm thick	152	127	279	per 1 sqm
J	SLABS - above 150 mm - Up to 300 mm thick	156	131	287	per 1 sqm
K	SLABS - above 300 mm thick	164	137	301	per 1 sqm
L	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	553	462	1015	per 1 sqm
M	PERGOLA SLABS (Only Rib Beams)	387	324	711	per 1 sqm
N	ARCH BEAMS - up to 1.5 M Span	1526	1276	2802	per 1 cum
O	ARCH BEAMS - above 1.5 M Span	1547	1294	2841	per 1 cum
P	DOME SLABS	2467	2063	4530	per 1 cum
Q	HELICAL STAIRCASES	188	157	345	per 1 sqm
R	SHEAR WALLS,RCC WALLS,WATER TANK WALLS	DELETED			

Sl	NAME OF THE STRUCTURAL MEMBER	Material Hire charges Rs.	Labour charges Rs.	Centring Charges for 2015-16 (Rs.)	Unit of Measurement
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.,forBRICK MASONRY/ STONE MASONRY - 1 sqm (Wall Area)					
A	1st - Floor	9.93	61.83	71.76	per 1 sqm
B	2nd - Floor	9.93	87.78	97.71	per 1 sqm
C	3rd - Floor	9.93	113.7	123.67	per 1 sqm
D	4th - Floor	9.93	139.7	149.62	per 1 sqm
E	5th - Floor	9.93	165.6	175.57	per 1 sqm
F	6th - Floor	9.93	191.6	201.52	per 1 sqm
G	7th - Floor	9.93	217.5	227.47	per 1 sqm
H	8th - Floor	9.93	243.5	253.43	per 1 sqm
I	9th - Floor	9.93	269.5	279.38	per 1 sqm
J	10th - Floor	9.93	295.4	305.33	per 1 sqm
K	11th - Floor	9.93	321.4	331.28	per 1 sqm
L	12th - Floor	9.93	347.3	357.23	per 1 sqm
M	13th - Floor	9.93	373.3	383.19	per 1 sqm
N	14th - Floor	9.93	399.2	409.14	per 1 sqm
O	15th - Floor	9.93	425.2	435.09	per 1 sqm
HIRE CHARGES FOR ACCESS SCAFFOLDING- upto 3.66 M using Casurina Ballies,Bamboos,Wooden Reapers,Runners,Wood Posts,Wall Plates etc.,forPLASTERING to WALLS - 1 sqm					
A	1st - Floor	0.99	6.18	7.17	per 1 sqm
B	2nd - Floor	0.99	8.78	9.77	per 1 sqm
C	3rd - Floor	0.99	11.37	12.36	per 1 sqm
D	4th - Floor	0.99	13.97	14.96	per 1 sqm
E	5th - Floor	0.99	16.56	17.55	per 1 sqm
F	6th - Floor	0.99	19.16	20.15	per 1 sqm
G	7th - Floor	0.99	21.75	22.74	per 1 sqm
H	8th - Floor	0.99	24.35	25.34	per 1 sqm
I	9th - Floor	0.99	26.94	27.93	per 1 sqm
J	10th - Floor	0.99	29.54	30.53	per 1 sqm
K	11th - Floor	0.99	32.14	33.13	per 1 sqm
L	12th - Floor	0.99	34.73	35.72	per 1 sqm
M	13th - Floor	0.99	37.33	38.32	per 1 sqm
N	14th - Floor	0.99	39.92	40.91	per 1 sqm
O	15th - Floor	0.99	42.52	43.51	per 1 sqm
HIRE CHARGES FOR STAGE SCAFFOLDING- upto 3.66 M using Casurina Ballies,Bamboos,Wooden Reapers,Runners,Wood Posts,Wall Plates etc.,forCEILING PLASTERING- 1 sqm					
A	1st - Floor	2.37	12.55	14.92	per 1 sqm
B	2nd - Floor	2.37	17.64	20.01	per 1 sqm
C	3rd - Floor	2.37	22.73	25.1	per 1 sqm
D	4th - Floor	2.37	27.82	30.19	per 1 sqm
E	5th - Floor	2.37	32.91	35.28	per 1 sqm
F	6th - Floor	2.37	38	40.37	per 1 sqm
G	7th - Floor	2.37	43.08	45.45	per 1 sqm
H	8th - Floor	2.37	48.17	50.54	per 1 sqm
I	9th - Floor	2.37	53.26	55.63	per 1 sqm

J	10th - Floor	2.37	58.35	60.72	per 1 sqm
K	11th - Floor	2.37	63.44	65.81	per 1 sqm
L	12th - Floor	2.37	68.53	70.9	per 1 sqm
M	13th - Floor	2.37	73.62	75.99	per 1 sqm
N	14th - Floor	2.37	78.71	81.08	per 1 sqm
O	15th - Floor	2.37	83.8	86.17	per 1 sqm

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

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
Material Hire for any Floor	H	1133	224	341	2002	227	233	244	824	578	2276	2308	3681	280
Labour Charges for 1st Floor	L	1211	186	1700	1426	162	166	174	587	412	1621	1644	2621	200
Total Hire Charges (H+L)	T	2344	410	2041	3428	389	399	418	1411	990	3897	3952	6302	480

1st - Floor	L	1211	186	1700	1426	162	166	174	587	412	1621	1644	2621	200
2nd - Floor	L	1332	205	1870	1569	178	183	191	646	453	1783	1808	2883	220
3rd - Floor	L	1453	223	2040	1711	194	199	209	704	494	1945	1973	3145	240
4th - Floor	L	1574	242	2210	1854	211	216	226	763	536	2107	2137	3407	260
5th - Floor	L	1695	260	2380	1996	227	232	244	822	577	2269	2302	3669	280
6th - Floor	L	1817	279	2550	2139	243	249	261	881	618	2432	2466	3932	300
7th - Floor	L	1938	298	2720	2282	259	266	278	939	659	2594	2630	4194	320
8th - Floor	L	2059	316	2890	2424	275	282	296	998	700	2756	2795	4456	340
9th - Floor	L	2180	335	3060	2567	292	299	313	1057	742	2918	2959	4718	360
10th - Floor	L	2301	353	3230	2709	308	315	331	1115	783	3080	3124	4980	380
11th - Floor	L	2422	372	3400	2852	324	332	348	1174	824	3242	3288	5242	400
12th - Floor	L	2543	391	3570	2995	340	349	365	1233	865	3404	3452	5504	420
13th - Floor	L	2664	409	3740	3137	356	365	383	1291	906	3566	3617	5766	440
14th - Floor	L	2785	428	3910	3280	373	382	400	1350	948	3728	3781	6028	460
15th - Floor	L	2906	446	4080	3422	389	398	418	1409	989	3890	3946	6290	480

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

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

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
Material Hire for any Floor	H	760	150	229	1342	152	156	164	553	387	1526	1547	2467	188
Labour Charges for 1st Floor	L	953	146	1338	1122	127	131	137	462	324	1276	1294	2063	157
Total Hire Charges (H+L)	T	1713	296	1567	2464	279	287	301	1015	711	2802	2841	4530	345

1st - Floor	L	953	146	1338	1122	127	131	137	462	324	1276	1294	2063	157
2nd - Floor	L	1048	161	1472	1234	140	144	151	508	356	1404	1423	2269	173
3rd - Floor	L	1144	175	1606	1346	152	157	164	554	389	1531	1553	2476	188
4th - Floor	L	1239	190	1739	1459	165	170	178	601	421	1659	1682	2682	204
5th - Floor	L	1334	204	1873	1571	178	183	192	647	454	1786	1812	2888	220
6th - Floor	L	1430	219	2007	1683	191	197	206	693	486	1914	1941	3095	236
7th - Floor	L	1525	234	2141	1795	203	210	219	739	518	2042	2070	3301	251
8th - Floor	L	1620	248	2275	1907	216	223	233	785	551	2169	2200	3507	267
9th - Floor	L	1715	263	2408	2020	229	236	247	832	583	2297	2329	3713	283
10th - Floor	L	1811	277	2542	2132	241	249	260	878	616	2424	2459	3920	298
11th - Floor	L	1906	292	2676	2244	254	262	274	924	648	2552	2588	4126	314
12th - Floor	L	2001	307	2810	2356	267	275	288	970	680	2680	2717	4332	330
13th - Floor	L	2097	321	2944	2468	279	288	301	1016	713	2807	2847	4539	345
14th - Floor	L	2192	336	3077	2581	292	301	315	1063	745	2935	2976	4745	361
15th - Floor	L	2287	350	3211	2693	305	314	329	1109	778	3062	3106	4951	377

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

List of the Names of the Brand / Manufacturer / Supplier of Building Materials			
Sl. No			
1	SECTION	NAMES OF THE ITEMS	NAMES OF THE BRAND / MANUFACTURER / SUPPLIER
2	SECTION – A	BRICKS & BUILDING BLOCKS	Aerocon, Siporex, Nucon, NCL.
3	SECTION – B	NATURAL FLOORING TILES	
	SECTION – C	WALL & FLOOR TILES	Somany, Naveen Ceramics, Kajaria, Nitco, Segno, Sphinx, Orient Bell, AGL, Hindware, Bisazza, Marbles, Armstrong, Cera.
		TILE ADHESIVES	MYK LATICRETE
4	SECTION – D	PAVING & INTERLOCKING TILES	Super Decorative, Aditya Designer, Maha Bhima, Tricon, Pheonix, Eurocon, Ultra, Sphinx
	SECTION – E	TIMBER & ROOFING MATERIALS	
5	SECTION – F	MILD, GALVANISED & STAINLESS STEEL	R.K Steels, Sugna TMT Bars, Shyam Steels, Mangal TMT, Mangal TMT 999, Hari Om TMT, Hariom Epoxy Shield.
6	SECTION – G	FIXTURES FOR DOOR & WINDOWS	Jyoti, Classic, Hardwyn.
	SECTION – H	WATER PROOFING CHEMICALS & ADMIXTURES	MULTI CHEM, MYK LATICRETE, WALRUS, Clean Tech Corrosion Chemicals, ESSAR.
7	SECTION – I	GLASS	Modi, Saintgobain, Asahi, Binani, HNG.
8	SECTION – J	PAINTS & POLISHES	Asian, Berger, Nerolac, British Paints, JK Paints, Saicoat, Indocem, ESSAR, Sheenlac, Suryacem, PMCC, Neon, GRA FLANKS (Wallz), Walrus–SYNTHETIC PLASTER–NCL Altek, MYK LATICRETE, Multichem, GRA Flanks, INDOCEM, Nippon.
9	SECTION – K	PARTICLE BOARDS	NCL Bison, Ramco-Hilux, Ramco-Hicem, Everest-board, Visakha-board, Rajshri, Innsula, Aerocon, Aerolite, Novopan, Bhutan-board, Green ply
10	SECTION – L	PLYWOOD	Kitply, Century Ply, National Ply, Bhutan Ply, Samrat, Gurjan ply, AAMODA PLY, NCL, Green ply.
11	SECTION – M	CEILINGS, WALL PARTITIONS & WALL LININGS	Ramco-Hilux, Everest-board, Visakha-board, Rajshri, Innsula, Gypsum India, Saintgobain, Armstrong, Daikin, NCL-Seccolor, NCL Bison, DORMA, NCL, Aerolite, RONDO.
12	SECTION – N	DOORS	Anand, Raavila, Kutty, Standard, Shubhdwar, ITP, Rajshri, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, Sintex, NCL-Wintech, Fenesta, LG, Masonite, Everest, Vishaka, Ambience, Aamoda, ALPINE, DORMA, Nagarjuna, NCL Altek & Seccolor, AHLADA.
13	SECTION – P	WINDOWS	LG, AHLADA, NCL Altek & Seccolor, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, NCL-Wintech, Fenesta.
14	SECTION – Q	STRUCTURAL GLAZING	NCL-Seccolor, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, Sintex, NCL-Wintech, Fenesta, LG.
15	SECTION – U	EXPANSION JOINT FILLERS	Silseal, Silflex, Armour, Shalitex.
16	SECTION – W	MISCELLANEOUS ITEMS	Sintex for PVC tanks, Centurywells for Galvalume sheets, Elixir for PEB structures, smart coat, Aluminium Sections - Hindalco, Nalco, Jindal, Plywood - Kitply, Century Ply, National Ply, Bhutan Ply, Green Ply, JK Cement Ltd, RONDO.

WATER SUPPLY & SANITARY ITEMS

Sl. No	Item Code	Description of item	Unit	RATE for SoR 2015-16	Basic Rate for SoR 2015-16
1	2	3	4	5	6
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	466	151
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	408	149
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	680	332
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	614	323
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	232	232
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	288	288
7	BMW-A.07	a) Supplying, laying, jointing and testing 152.4 mm CC bed 1:2:4 Prop: using 19.05mm 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	240	195
8	BMW-A.08	b) - do - labour charges only	1 RM	10	10
9	BMW-A.09	a) Supplying, laying, jointing and testing 152.4 mm CC bed 1:2:4 Prop: using 19.05mm 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	327	235
10	BMW-A.10	b) - do - labour charges only	1 RM	49	49
11	BMW-A.11	a) Supplying & Laying 101.6 mm SWG channels with cement mortar joints with suitable brick masonry for fixing the channels	1 RM	87	42

		in position			
12	BMW-A.12	b) - do - labour charges only	1 RM	37	37
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	163	95
14	BMW-A.14	b) - do - labour charges only	1 RM	51	51
15	BMW-A.15	Supply of SWG SP-1 Pipe conforming to ISI 651- 4" dia (101.6mm)	1 RM	181	153
16	BMW-A.16	Supply of SWG SP-1 Pipe conforming to ISI 651- 6" dia (152.4mm)	1 RM	314	266
17	BMW-A.17	Supply of SWG SP-1 Pipe conforming to ISI 651-8" dia (203.2mm)	1 RM	485	411
18	BMW-A.18	Supply of SWG SP-1 Pipe conforming to ISI 651- 10" dia (254 mm)	1 RM	888	752
19	BMW-A.19	Supply of SWG SP-1 Pipe conforming to ISI 651- 12" dia (300 mm)	1 RM	1280	1084
20	BMW-A.20	Supply of SWG SP-1 Pipe conforming to ISI 651- 14" dia (350 mm)	1 RM	1742	1475
21	BMW-A.21	Supply of SWG SP-1 Pipe conforming to ISI 651- 16" dia (400 mm)	1 RM	2100	1778
22	BMW-A.22	Supply of SWG SP-1 Pipe conforming to ISI 651- 18" dia (450 mm)	1 RM	2536	2147
23	BMW-A.23	Supply of SWG SP-2 Pipe conforming to ISI 651- 4" dia (101.6mm)	1 RM	223	189
24	BMW-A.24	Supply of SWG SP-2 Pipe conforming to ISI 651- 6" dia (152.4mm)	1 RM	332	281
25	BMW-A.25	Supply of SWG SP-2 Pipe conforming to ISI 651-8" dia (203.2mm)	1 RM	599	507
26	BMW-A.26	Supply of SWG SP-2 Pipe conforming to ISI 651- 10" dia (254 mm)	1 RM	941	797
27	BMW-A.27	Supply of SWG SP-2 Pipe conforming to ISI 651- 12" dia (300 mm)	1 RM	1446	1224
28	BMW-A.28	Supply of SWG SP-2 Pipe conforming to ISI 651- 14" dia (350 mm)	1 RM	1875	1587
29	BMW-A.29	Supply of SWG SP-2 Pipe conforming to ISI 651- 16" dia (400 mm)	1 RM	2159	1828
30	BMW-A.30	Supply of SWG SP-2 Pipe conforming to ISI 651- 18" dia (450 mm)	1 RM	2756	2333
31	BMW-A.31	Supply of SWG SP-3 Pipe conforming to ISI 651- 4" dia (101.6mm)	1 RM	285	241
32	BMW-A.32	Supply of SWG SP-3 Pipe conforming to ISI 651- 6" dia (152.4mm)	1 RM	415	351
33	BMW-A.33	Supply of SWG SP-3 Pipe conforming to ISI 651-8" dia (203.2mm)	1 RM	734	621
34	BMW-A.34	Supply of SWG SP-3 Pipe conforming to ISI 651- 10" dia (254 mm)	1 RM	1115	944

35	BMW-A.35	Supply of SWG SP-3 Pipe conforming to ISI 651- 12" dia (300 mm)	1 RM	1558	1319
36	BMW-A.36	Supply of SWG SP-3 Pipe conforming to ISI 651- 14" dia (350 mm)	1 RM	1979	1675
37	BMW-A.37	Supply of SWG SP-2 Pipe conforming to ISI 651- 16" dia (400 mm)	1 RM	2278	1928
38	BMW-A.38	Supply of SWG SP-3 Pipe conforming to ISI 651- 18" dia (450 mm)	1 RM	3099	2623
39	BMW-A.39	Supply of SWG Bends conforming to IS standards -100 mm dia	Each	91	77
40	BMW-A.40	Supply of SWG Bends conforming to IS standards -150 mm dia	Each	168	142
41	BMW-A.41	Supply of SWG Bends conforming to IS standards -200 mm dia	Each	317	268
42	BMW-A.42	Supply of SWG Bendsconforming to IS standards -250 mm dia	Each	643	544
43	BMW-A.43	Supply of SWG Bends conforming to IS standards -300 mm dia	Each	816	691
44	BMW-A.44	Supply of SWG Bends conforming to IS standards -350 mm dia	Each	1020	863
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	175	148
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	258	218
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	281	238
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	400	339
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	468	396
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	537	455
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	631	534
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	833	705
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	1031	873
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	1234	1045
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	900	762
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	1153	976
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	1405	1189
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	1659	1404

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	1911	1618
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	1123	951
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	1440	1219
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	1756	1487
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	2070	1752
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	2387	2021
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	2701	2287
66	BMW-A.66	Supply of SWG Plugs conforming to IS standards for 100 mm dia	Each	33	28
67	BMW-A.67	Supply of SWG Plugs conforming to IS standards for 150 mm dia	Each	63	53
68	BMW-A.68	Supply of SWG Plugs conforming to IS standards for 200 mm dia	Each	120	102
69	BMW-A.69	Supply of SWG Plugs conforming to IS standards for 250 mm dia	Each	208	176
70	BMW-A.70	Supply of SWG Plugs conforming to IS standards for 300 mm dia	Each	329	279
71	BMW-A.71	Supply of SWG Plugs conforming to IS standards for 350 mm dia	Each	413	350
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	568	455
73	BMW-A.73	Supply of SWG Gully Traps (Round & Square) conforming to IS standards 150 x 100 mm	Each	254	190
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	30	30
75	BMW-A.75	Supply of SWG Saddles conforming to IS standards 150 x 100 mm		184	156
76	BMW-A.76	Supply of SWG Saddles conforming to IS standards 200 x 100 mm		317	268
77	BMW-A.77	Supply of SWG Saddles conforming to IS standards 250 x 100 mm		513	434
B		MAN HOLES & INSPECTION CHAMBERS -AS PER - IS 4111 : Part 1 : 1986			
78	BMW-B.01	Constructing 904.0 mm (3'0") dia solid block masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using fly-ash blocks of 225 mm thick from approved source having a minimum crushing strength of 10 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole	Each	6730	5697

		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.			
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	10590	8965
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	6518	5518
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	Each	10181	8619

		and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification.			
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	6346	5372
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	3825	3238
84	BMW-B.07	a) Making drainage connection in the existing inspection including all repairs	Each	126	107
85	BMW-B.08	b) - do - labour charges only	Each	71	71
C		C.I. PIPES & FITTINGS -AS PER - IS 1729:1979 (Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers)			
		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	760	451
87	BMW-C.02	4" dia (101.6mm) Single Socket	1 RM	998	653
88	BMW-C.03	6" dia (152.4mm) Single Socket	1 RM	1598	1161
89	BMW-C.04	3" dia (76.2 mm) Double Socket	1 RM	831	511
90	BMW-C.05	4" dia (101.6mm) Double Socket	1 RM	1109	747
91	BMW-C.06	6" dia (152.4mm) Double Socket	1 RM	1841	1366
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	227	227
93	BMW-C.08	Supplying & fixing CI Plain bends 1st 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	296	190
94	BMW-C.09	Supplying & fixing CI Plain bends 1st 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	376	257

95	BMW-C.10	Supplying & fixing CI Plain bends 1st 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	624	467
96	BMW-C.11	Supplying & fixing CI Plug (Door) bends 1st 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	367	250
97	BMW-C.12	Supplying & fixing CI Plug (Door) bends 1st 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	455	324
98	BMW-C.13	Supplying & fixing CI Plug (Door) bends 1st 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	994	781
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	72	72
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	462	306
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	723	527
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	1714	1366
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	388	243
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	531	364
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	1276	995
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	101	101
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	704	513
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	855	641
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	1999	1609
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	Each	608	432

		joints and fixing			
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	799	593
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	1872	1502
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	98	98
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	298	214
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	417	315
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	909	731
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	355	262
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	472	361
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	931	750
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 fixingfor 76.20 mm (3") C.I. Pipe	Each	410	309
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 fixingfor 101.6 mm (4") C.I. Pipe	Each	531	411
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 fixingfor 152.4 mm (6") C.I. Pipe	Each	1082	878
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	45	45
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 practicefor nominal dia 75 mm (3") and grating size 165 mm dia of weight not less than 5.5 Kgs	Each	539	406
125	BMW-C.40	Supplying & fixing CI floor traps 1st quality ISI marked with C.P. Grating fixing with white cement as per site requirements with standard practicefor nominal dia 100 mm (4") and grating size 100 mm dia of weight not less than 6 Kgs	Each	660	509
126	BMW-C.41	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 practicefor	Each	329	229

		nominal dia 75 mm (3") and grating size 100 mm dia of weight not less than 4.0 Kgs			
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	59	50
128	BMW-C.43	Boxing of Nahany traps in RCC floors	Each	191	162
129	BMW-C.44	Boxing of W.C Trap in R.C.C floors	Each	383	324
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	181	153
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	227	192
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	652	552
D		VITREOUS CHINAWARE - SANITARY APPLIANCES as per IS:2556 – 1974(Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers)			
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: 580 mm Long	Each	1048	632
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: 630 mm Long	Each	1048	632
135	BMW-D.03	Labour charges only for fixing Indian pattern W.C with "P" or "S" trap	Each	302	302
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: 580 mm x 440 mm	Each	1584	1022
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: 630 mm x 450 mm	Each	1665	1090
138	BMW-D.06	Labour charges only Fixing Orissa pan W.C with "P" or "S" trap	Each	377	377
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	254	215
140	BMW-D.08	Labour charges only for fixing porcelain foot rest for squatting I.W.C. (Rectangular pair)	Pair	69	69
141	BMW-D.09	Providing Brick masonry seat for Orissa pan/ Indian W.C. using 2nd class bricks as per standard practice	Each	328	278
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	98	83

143	BMW-D.11	Supplying & Fixing low down porcelain flushing tank 10 Lit Capacity with internal components	Each	2534	1698
144	BMW-D.12	Labour charges only for fixing low down porcelain flushing tank with internal components	Each	528	528
145	BMW-D.13	Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of white glazed with 'P' trap	Each	1860	1520
146	BMW-D.14	Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of white glazed with 'S' trap	Each	1964	1439
147	BMW-D.15	Labour charges only for fixing European Water Closet with 'P' or 'S' trap as per standard practice	Each	264	264
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	891	690
149	BMW-D.17	Labour charges only for fixing plastic seat and lid for European water closet	Each	76	76
150	BMW-D.18	Supply, Installation and commissioning approved make floor mounted Close coupled 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	9689	7883
151	BMW-D.19	Supply, Installation and commissioning approved make floor mounted Close coupled 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	14159	11667
152	BMW-D.20	Supply, Installation and commissioning approved make floor mounted close coupled 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	18035	14949
153	BMW-D.21	Supplying & Fixing Indian make Flat Back Wash Hand Basin 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	2713	1978
154	BMW-D.22	Supplying & Fixing Indian make Flat Back Wash Hand Basin 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	Each	2402	1714

		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			
155	BMW-D.23	Supplying & Fixing Indian make Flat Back Wash Hand Basin 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	2945	2174
156	BMW-D.24	Supplying & Fixing Indian make Flat Back Wash Hand Basin 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	1782	1189
157	BMW-D.25	Supplying & Fixing Indian make Flat Back Wash Hand Basin 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	2169	1517
158	BMW-D.26	Supplying & Fixing Indian make Flat Back Wash Hand Basin 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	1550	993
159	BMW-D.27	Supplying & Fixing Indian make Flat Back Wash Hand Basin 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	2015	1387
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	377	319
161	BMW-D.29	Supplying and Fixing Pedestal for Wash Hand Basin (H.S.W / Parry / Earthenware)	Each	1256	948
162	BMW-D.30	Labour charges only for fixing pedestal for wash hand basin	Each	136	136
163	BMW-D.31	Supplying & Fixing 31.75 mm C.P bottle trap (Heavy type) Parryware or equivalent	Each	451	337

164	BMW-D.32	Labour charges only for fixing bottle trap to the wash hand basin	Each	53	45
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 conforming to IS:2556-1995	Each	930	660
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 : 410 x 265 x 305 mm	Each	2790	2235
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 : 590 x 375 x 390 mm	Each	3100	2497
168	BMW-D.36	Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete	Each	150	127
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	4959	3879
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	5579	4404
171	BMW-D.39	Labour charges only for fixing Vitreous china porcelain sinks with waste fittings, rubber plug, chain, cantilever brackets etc.	Each	377	319
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	791	479
173	BMW-D.41	b) - do - labour charges only	Each	225	225
E		TAPS & FAUCETS (Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers)			
174	BMW-E.01	a) S & F 12.7 mm NP stop cock Indian make heavy duty	Each	474	377
175	BMW-E.02	b) - do - labour charges only	Each	29	29
176	BMW-E.03	a) S & F concealed stop cock 12.7 mm (1/2") Indian Make heavy duty	Each	542	422
177	BMW-E.04	b) - do - labour charges only	Each	43	43
178	BMW-E.05	a) S & F angle stop cock 12.7 mm dia first quality Indian Make heavy duty	Each	474	365
179	BMW-E.06	b) - do - labour charges only	Each	43	43
180	BMW-E.07	a) S & F 12.7 mm N.P bib tap Indian make heavy duty	Each	407	320

181	BMW-E.08	b) - do - labour charges only	Each	29	29
182	BMW-E.09	a) S&F 12.7mm N.P bib tap Indian make 3heavy duty	Each	258	194
183	BMW-E.10	b) - do - labour charges only	Each	29	29
184	BMW-E.11	a)S & F 31.75 mm brass plumber Union best Indian first quality	Each	69	47
185	BMW-E.12	b) - do - labour charges only	Each	14	14
186	BMW-E.13	a) S & F 12.7 mm brass stop cock Indian make heavy duty	Each	231	171
187	BMW-E.14	b) - do - labour charges only	Each	29	29
188	BMW-E.15	a) S & F 12.7 mm brass stop cock Indian make heavy duty	Each	204	148
189	BMW-E.16	b) - do - labour charges only	Each	29	29
190	BMW-E.17	a) S & F 12.7 mm brass bib cock Indian make heavy duty	Each	231	171
191	BMW-E.18	b) - do - labour charges only	Each	29	29
192	BMW-E.19	a) S & F 12.7 mm brass bib cock Indian make heavy duty	Each	204	148
193	BMW-E.20	b) - do - labour charges only	Each	29	29
194	BMW-E.21	S & F CP Long body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make	Each	637	498
195	BMW-E.22	S & F CP Short body bib cock fancy type deluxeheavy duty 12.7 mm dia Indian make	Each	611	476
196	BMW-E.23	S & F 12.7mm heavy duty dia high neck pillar cock 1st quality Indian make	Each	1165	945
197	BMW-E.24	a)S & F 12.7 mm heavy duty NP Swan Neck Pillar cock	Each	1165	945
198	BMW-E.25	b) - do - labour charges only	Each	49	41
199	BMW-E.26	a)S & F 12.7 mm heavy duty NP Sink cock	Each	1165	957
200	BMW-E.27	b) - do - labour charges only	Each	35	35
201	BMW-E.28	S&F 12.7 mm dia NP pillar cock heavy duty 1st quality Indian make	Each	611	493
202	BMW-E.29	S&F 12.7 mm dia NP push cock 1st quality	Each	271	205
203	BMW-E.30	S&F 12.7 mm dia NP lift cock 1st quality	Each	237	176
204	BMW-E.31	a)S & F 38.1 mm C.Pwaste coupling Half or Full Thread 1st Quality Indian make Parryware or equivalent	Each	237	176

205	BMW-E.32	b) - do - labour charges only	Each	29	29
206	BMW-E.33	a) S & F 31.75 mm PVC bottle trap	Each	142	96
207	BMW-E.34	b) - do - labour charges only	Each	29	29
208	BMW-E.35	a)S& F 38.1 mm brass plumber union	Each	69	47
209	BMW-E.36	b) - do - labour charges only	Each	14	14
210	BMW-E.37	a)S & F 19.05 mm heavy duty NP stop cock Indian make with ISI mark	Each	611	493
211	BMW-E.38	b) - do - labour charges only	Each	29	29
F		G.I. PIPES & FITTINGS(Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers)			
212	BMW-F.01	S& F Glunion 12.7 mm 1st Quality	Each	45	38
213	BMW-F.02	S& F Glunion 19.05 mm 1st Quality	Each	54	46
214	BMW-F.03	S& F Glunion 25.4 mm 1st Quality	Each	83	70
215	BMW-F.04	S& F Glunion 31.75 mm 1st Quality	Each	102	86
216	BMW-F.05	S& F Glunion 38.1 mm 1st Quality	Each	122	103
217	BMW-F.06	S& F Glunion 50.8 mm 1st Quality	Each	151	128
218	BMW-F.07	S& F GI connector 25.4 mm dia	Each	90	76
219	BMW-F.08	S& F 12.7 mm GI 'T' A class 1st quality	Each	55	47
220	BMW-F.09	S& F31.75mm dia GI bend 1st quality	Each	83	70
221	BMW-F.10	S & F 31.75 mm dia GI 'T' 1st Quality	Each	81	69
222	BMW-F.11	a) S & F 25.4 mm copper ball cock ith PVC ball Indian make ISI mark	Each	469	360
223	BMW-F.12	b) - do - labour charges only	Each	44	44
224	BMW-F.13	a) S & F 19.05 mm copper ball cock ith PVCball Indian make ISI mark	Each	384	290
225	BMW-F.14	b) - do - labour charges only	Each	41	41
226	BMW-F.15	a)S & F 12.7 mm copper ball cock ith PVC ball Indian make ISI mark	Each	249	174
227	BMW-F.16	b) - do - labour charges only	Each	44	44

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	1233	1007
229	BMW-F.18	b) - do - labour charges only	Each	44	44
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	858	689
231	BMW-F.20	b) - do - labour charges only	Each	44	44
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	636	501
233	BMW-F.22	b) - do - labour charges only	Each	44	44
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	1875	1550
235	BMW-F.24	b) - do - labour charges only	Each	44	39
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	2533	2088
237	BMW-F.26	b) - do - labour charges only	Each	67	67
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	3711	3065
239	BMW-F.28	b) - do - labour charges only	Each	90	90
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	5730	4756
241	BMW-F.30	b) - do - labour charges only	Each	112	112
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	8494	7078
243	BMW-F.32	b) - do - labour charges only	Each	133	133
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	470	350
245	BMW-F.34	b) - do - labour charges only	Each	56	56
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	1073	852
247	BMW-F.36	b) - do - labour charges only	Each	67	67
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	2184	1754
249	BMW-F.38	b) - do - labour charges only	Each	112	112
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	Each	2990	2436

		Size			
251	BMW-F.40	b) - do - labour charges only	Each	112	112
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	686	535
253	BMW-F.42	b) - do - labour charges only	Each	54	54
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	443	329
255	BMW-F.44	b) - do - labour charges only	Each	54	54
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	576	442
257	BMW-F.46	b) - do - labour charges only	Each	54	54
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	870	691
259	BMW-F.48	b) - do - labour charges only	Each	54	54
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	1200	970
261	BMW-F.50	b) - do - labour charges only	Each	54	54
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	1450	1182
263	BMW-F.52	b) - do - labour charges only	Each	54	54
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	2300	1901
265	BMW-F.54	b) - do - labour charges only	Each	54	54
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	476	357
267	BMW-F.56	b) - do - labour charges only	Each	54	54
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	621	480
269	BMW-F.58	b) - do - labour charges only	Each	54	54
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	912	726

271	BMW-F.60	b) - do - labour charges only	Each	54	54
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	1655	1355
273	BMW-F.62	b) - do - labour charges only	Each	54	54
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	2484	2057
275	BMW-F.64	b) - do - labour charges only	Each	54	54
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	4345	3633
277	BMW-F.66	b) - do - labour charges only	Each	54	54
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	184	121
279	BMW-F.68	b) - do - labour charges only	1 RM	41	41
280	BMW-F.69	a) S& F 20 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	211	144
281	BMW-F.70	b) - do - labour charges only	1 RM	41	41
282	BMW-F.71	a) S& F 25 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	277	200
283	BMW-F.72	b) - do - labour charges only	1 RM	41	41
284	BMW-F.73	a) S& F 32 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	388	294
285	BMW-F.74	b) - do - labour charges only	1 RM	41	41
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	436	332
287	BMW-F.76	b) - do - labour charges only	1 RM	44	44
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	475	345
289	BMW-F.78	b) - do - labour charges only	1 RM	67	67
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	204	138

291	BMW-F.80	b) - do - labour charges only	1 RM	41	41
292	BMW-F.81	a) S& F 20 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	227	157
293	BMW-F.82	b) - do - labour charges only	1 RM	41	41
294	BMW-F.83	a) S& F 25 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	297	217
295	BMW-F.84	b) - do - labour charges only	1 RM	41	41
296	BMW-F.85	a) S& F 32 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	417	318
297	BMW-F.86	b) - do - labour charges only	1 RM	41	41
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	466	357
299	BMW-F.88	b) - do - labour charges only	1 RM	44	44
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	503	369
301	BMW-F.90	b) - do - labour charges only	1 RM	67	67
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	892	755
303	BMW-F.92	a)S & F 12.7 mm holder bat clamps	Each	13	4
304	BMW-F.93	b) - do - labour charges only	Each	8	8
305	BMW-F.94	a)S & F 19.05 mm holder bat clamps	Each	21	11
306	BMW-F.95	b) - do - labour charges only	Each	8	8
307	BMW-F.96	a)S & F 25.4 mm holder bat clamps	Each	28	17
308	BMW-F.97	b) - do - labour charges only	Each	8	8

309	BMW-F.98	a)S & F 38.1 mm holder bat clamps	Each	32	19
310	BMW-F.99	b) - do - labour charges only	Each	9	9
311	BMW-F.100	a) S& F12.7x 152.0 mm NP shower rose heavy	Each	186	141
312	BMW-F.101	b) - do - labour charges only	Each	20	20
313	BMW-F.102	a) S& F12.7x 137.0 mm NP shower rose heavy	Each	179	133
314	BMW-F.103	b) - do - labour charges only	Each	22	22
315	BMW-F.104	a) S& F12.7x 101.6 mm NP shower rose heavy	Each	170	125
316	BMW-F.105	b) - do - labour charges only	Each	22	22
317	BMW-F.106	a) S & F 12.7 x 88.9 CP fancy shower	Each	303	238
318	BMW-F.107	b) - do - labour charges only	Each	22	22
319	BMW-F.108	a) Supplying & fixing 12.7 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	47	21
320	BMW-F.109	b) - do - labour charges only	Each	22	22
321	BMW-F.110	a) Supplying & fixing 19.05 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	68	40
322	BMW-F.111	b) - do - labour charges only	Each	21	21
323	BMW-F.112	a) Supplying & fixing 25.4 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	81	48
324	BMW-F.113	b) - do - labour charges only	Each	24	24
325	BMW-F.114	a) Taking branch water connection from the existing 25.4 mm GIppe including cutting threading, etc, complete with fitting	Each	155	97
326	BMW-F.115	b) - do - labour charges only	Each	41	41
327	BMW-F.116	a) Taking branch water connection from the existing 19.05 mm GIppe including cutting threading, etc, complete with fitting,	Each	88	44
328	BMW-F.117	b) - do - labour charges only	Each	36	36
329	BMW-F.118	a) Taking branch water connection from the existing 12.7 mm GIppe including cutting threading, etc, complete with fitting,	Each	67	30
330	BMW-F.119	b) - do - labour charges only	Each	31	31
331	BMW-F.120	Supplying & fixing leather washers for 12.7 mm bib tap and stop cock	Each	1	1
332	BMW-F.121	Supplying & fixing leather washers for 19.05 mm bib tap and stop cock	Each	3	3

333	BMW-F.122	Supplying & Fixing 12.7 mm fibre washers	Each	3	3
334	BMW-F.123	Supplying & Fixing 19.05 mm fibre washers	Each	3	3
G		PVC PIPES & FITTINGS(Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers)			
335	BMW-G.01	a) Providing & Placing on Terrace(at all floor levels) polyethylene water storage tank with Double layer approved brand & manufacture with cover and suitable locking arrangement & making necessary holes for inlet & outlets and over flow pipes but without fittings & base support for tanks	1 Lit	6	4
336	BMW-G.02	b) - do - labour charges only	1 Lit	1	1
337	BMW-G.03	Supply of Plastic storage tank lid with hinges	Each	76	64
338	BMW-G.04	Supply & Fixing 76.2 mm dia PVC elbow 1st quality	Each	47	36
339	BMW-G.05	Supply & fixing 31.75mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality	Each	26	20
340	BMW-G.06	Supply & Fixing 38.1 mm dia PVC solid waste pipe outlet	Each	89	68
341	BMW-G.07	Supply & fixing Fancy PVC shelf including all fittings	Each	212	162
342	BMW-G.08	Supply & fixing of PVC low level systemwith internal components & short bend:10 Litres capacity Single Flush	Each	1455	1109
343	BMW-G.09	Supply & fixing of PVC low level systemwith internal components & short bend:10 litres capacity Dual Flush	Each	1708	1301
344	BMW-G.10	Supply & fixing of PVC low level systemwith internal components & short bend:8 Litres capacity single Flush	Each	823	627
345	BMW-G.11	75 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	255	216
346	BMW-G.12	90 mm dia 3 M single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	405	343
347	BMW-G.13	110 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	484	410
348	BMW-G.14	75 mm dia 3 MDouble Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	288	244
349	BMW-G.15	90 mm dia 3 MDouble Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	459	389
350	BMW-G.16	110 mm dia 3 MDouble Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	562	476
351	BMW-G.17	75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	179	152
352	BMW-G.18	90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	277	234
353	BMW-G.19	110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	344	291

354	BMW-G.20	75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	191	162
355	BMW-G.21	90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	294	249
356	BMW-G.22	110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	356	301
357	BMW-G.23	75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	132	112
358	BMW-G.24	90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	202	171
359	BMW-G.25	110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	243	206
360	BMW-G.26	75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	111	94
361	BMW-G.27	90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	163	138
362	BMW-G.28	110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	210	178
363	BMW-G.29	75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	67	57
364	BMW-G.30	90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	112	95
365	BMW-G.31	110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	140	119
366	BMW-G.32	160 MM dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	1153	976
367	BMW-G.33	75 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	432	366
368	BMW-G.34	90 mm dia 3 M single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	696	589
369	BMW-G.35	110 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	828	701
370	BMW-G.36	75 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	473	400
371	BMW-G.37	90 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	750	635
372	BMW-G.38	110 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	914	774
373	BMW-G.39	75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	284	240
374	BMW-G.40	90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	441	373
375	BMW-G.41	110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	525	444
376	BMW-G.42	75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	303	257
377	BMW-G.43	90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	459	389

378	BMW-G.44	110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	567	480
379	BMW-G.45	75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	205	174
380	BMW-G.46	90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	318	269
381	BMW-G.47	110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	387	328
382	BMW-G.48	75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	177	150
383	BMW-G.49	90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	260	220
384	BMW-G.50	110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	314	266
385	BMW-G.51	75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	114	97
386	BMW-G.52	90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	178	151
387	BMW-G.53	110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	227	192
388	BMW-G.54	160 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	1885	1596
389	BMW-G.55	75 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	50	42
390	BMW-G.56	90 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	70	59
391	BMW-G.57	110 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	83	70
392	BMW-G.58	75 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	67	57
393	BMW-G.59	90 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	95	80
394	BMW-G.60	110 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	107	91
395	BMW-G.61	75 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings	Each	39	33
396	BMW-G.62	90 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings	Each	54	46
397	BMW-G.63	110 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings	Each	70	59
398	BMW-G.64	75 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings	Each	67	57
399	BMW-G.65	90 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings	Each	98	83
400	BMW-G.66	110 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings	Each	118	100
401	BMW-G.67	75 mm dia - Single Tee - UPVC/SWR Pipe fittings	Each	59	50

402	BMW-G.68	90 mm dia - Single Tee - UPVC/SWR Pipe fittings	Each	89	75
403	BMW-G.69	110 mm dia - Single Tee - UPVC/SWR Pipe fittings	Each	108	91
404	BMW-G.70	75 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings	Each	73	62
405	BMW-G.71	90 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings	Each	108	91
406	BMW-G.72	110 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings	Each	130	110
407	BMW-G.73	75 mm dia - Double Tee - UPVC/SWR Pipe fittings	Each	125	106
408	BMW-G.74	90 mm dia - Double Tee - UPVC/SWR Pipe fittings	Each	183	155
409	BMW-G.75	110 mm dia - Double Tee - UPVC/SWR Pipe fittings	Each	260	220
410	BMW-G.76	75 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings	Each	200	169
411	BMW-G.77	90 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings	Each	286	242
412	BMW-G.78	110 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings	Each	295	250
413	BMW-G.79	75 mm dia - Single 'Y' - UPVC/SWR Pipe fittings	Each	74	63
414	BMW-G.80	90 mm dia - Single 'Y' - UPVC/SWR Pipe fittings	Each	118	100
415	BMW-G.81	110 mm dia - Single 'Y' - UPVC/SWR Pipe fittings	Each	136	115
416	BMW-G.82	75 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings	Each	95	80
417	BMW-G.83	90 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings	Each	149	126
418	BMW-G.84	110 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings	Each	171	145
419	BMW-G.85	75 mm dia - Double 'Y' - UPVC/SWR Pipe fittings	Each	102	86
420	BMW-G.86	90 mm dia - Double 'Y' - UPVC/SWR Pipe fittings	Each	158	134
421	BMW-G.87	110 mm dia - Double 'Y' - UPVC/SWR Pipe fittings	Each	179	152
422	BMW-G.88	75 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings	Each	132	112
423	BMW-G.89	90 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings	Each	206	174
424	BMW-G.90	110 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings	Each	231	196
425	BMW-G.91	75 mm dia - Coupler - UPVC/SWR Pipe fittings	Each	35	30

426	BMW-G.92	90 mm dia - Coupler - UPVC/SWR Pipe fittings	Each	51	43
427	BMW-G.93	110 mm dia - Coupler - UPVC/SWR Pipe fittings	Each	57	48
428	BMW-G.94	90 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings	Each	59	50
429	BMW-G.95	110 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings	Each	57	48
430	BMW-G.96	90 x 110mm dia - Reducer - UPVC/SWR Pipe fittings	Each	79	67
431	BMW-G.97	63 mm dia - Vent Cowl - UPVC/SWR Pipe fittings	Each	9	8
432	BMW-G.98	75 mm dia - Vent Cowl - UPVC/SWR Pipe fittings	Each	14	12
433	BMW-G.99	90 mm dia - Vent Cowl - UPVC/SWR Pipe fittings	Each	17	14
434	BMW-G.100	110 mm dia - Vent Cowl - UPVC/SWR Pipe fittings	Each	19	16
435	BMW-G.101	40 mm dia - Pipe Clip - UPVC/SWR Pipe fittings - Pipe Clip - UPVC/SWR Pipe fittings	Each	11	9
436	BMW-G.102	50 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	Each	14	12
437	BMW-G.103	63 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	Each	14	12
438	BMW-G.104	75 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	Each	15	13
439	BMW-G.105	90 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	Each	17	14
440	BMW-G.106	110 mm - Pipe Clip - UPVC/SWR Pipe fittings	Each	18	15
441	BMW-G.107	160 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	Each	35	30
442	BMW-G.108	P' Trap (Small without Air vent) 110 mm - UPVC/SWR Pipe fittings	Each	188	159
443	BMW-G.109	P' Trap (Small with Air vent) 110 mm - UPVC/SWR Pipe fittings	Each	208	176
444	BMW-G.110	P' Trap (Big with Air vent) 110 mm - UPVC/SWR Pipe fittings	Each	238	201
445	BMW-G.111	P' Trap (Big without Air vent) 110 mm - UPVC/SWR Pipe fittings	Each	219	185
446	BMW-G.112	Floor Trap (Bell Mouth) 110 mm - UPVC/SWR Pipe fittings	Each	227	192
447	BMW-G.113	Bell Mouth Trap 7 " (177.8 mm) - UPVC/SWR Pipe fittings	Each	330	279
448	BMW-G.114	4" (101.6 mm) Nahany Trap (Without Jali with inlet)UPVC/SWR Pipe fittings	Each	112	95
449	BMW-G.115	3" (76.2 mm) Nahany Trap (without Jali without inlet)UPVC/SWR Pipe fittings	Each	87	74

450	BMW-G.116	4" (101.6 mm) Nahany Trap (without inlet with out Jali)UPVC/SWR Pipe fittings	Each	108	91
451	BMW-G.117	Mini Trap - UPVC/SWR Pipe fittings	Each	53	45
452	BMW-G.118	3" (76.2 mm) Nahany Trap with Jali - UPVC/SWR Pipe fittings	Each	102	86
453	BMW-G.119	4" (101.6 mm) multi floor trap with Jali- UPVC/SWR Pipe fittings	Each	144	122
454	BMW-G.120	4" (101.6) multi floor trap with out Jalli- UPVC/SWR Pipe fittings	Each	112	95
455	BMW-G.121	Round Jali - UPVC/SWR Pipe fittings	Each	24	20
456	BMW-G.122	Square tile & Jalli - UPVC/SWR Pipe fittings	Each	39	33
457	BMW-G.123	Pipe connector(with LIP ring) - UPVC/SWR Pipe fittings	Each	151	128
458	BMW-G.124	Pipe connector(with out LIP ring) - UPVC/SWR Pipe fittings	Each	117	99
459	BMW-G.125	4" (101.6 mm) Floor Trap - UPVC/SWR Pipe fittings	Each	138	117
460	BMW-G.126	5" (127.mm) floor Trap - UPVC/SWR Pipe fittings	Each	146	124
461	BMW-G.127	75 mm dia - Door cap - UPVC/SWR Pipe fittings	Each	57	48
462	BMW-G.128	90 mm dia - Door cap - UPVC/SWR Pipe fittings	Each	64	54
463	BMW-G.129	110 mm dia - Door cap - UPVC/SWR Pipe fittings	Each	74	63
464	BMW-G.130	75 mm dia - Socket plug - UPVC/SWR Pipe fittings	Each	53	45
465	BMW-G.131	90 mm dia - Socket plug - UPVC/SWR Pipe fittings	Each	61	52
466	BMW-G.132	110 mm dia - Socket plug - UPVC/SWR Pipe fittings	Each	64	54
467	BMW-G.133	75 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings	Each	8	7
468	BMW-G.134	90 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings	Each	9	8
469	BMW-G.135	110 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings	Each	11	9
470	BMW-G.136	75 mm dia - Door Socket - UPVC/SWR Pipe fittings	Each	9	8
471	BMW-G.137	90 mm dia - Door Socket - UPVC/SWR Pipe fittings	Each	11	9
472	BMW-G.138	110 mm dia - Door Socket - UPVC/SWR Pipe fittings	Each	14	12
473	BMW-G.139	LIP ring 110 mm - UPVC/SWR Pipe fittings	Each	69	58

474	BMW-G.140	Rubber Lubricant - 100 Grams	Each	29	25
475	BMW-G.141	Rubber Lubricant- 250Grams	Each	65	55
476	BMW-G.142	Rubber Lubricant - 500 Grams	Each	118	100
477	BMW-G.143	Rubber Lubricant - 1000 Grams	Each	219	185
478	BMW-G.144	P' Trap with lip UPVC/SWR Pipe fittings	Each	298	252
479	BMW-G.145	50 ml - Solvent Cement	Each	15	13
480	BMW-G.146	100 ml - Solvent Cement	Each	25	21
481	BMW-G.147	250 ml - Solvent Cement	Each	59	50
482	BMW-G.148	500 ml - Solvent Cement	Each	116	98
483	BMW-G.149	1000 ml - Solvent Cement	Each	227	192
484	BMW-G.150	110mm x 90 mm - Internal Reducer - UPVC/SWR Pipe fittings	Each	90	76
485	BMW-G.151	160 mm x 110 mm - Internal Reducer - UPVC/SWR Pipe fittings	Each	224	190
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	70	70
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	1500	1270
488	BMW-H.02	100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M)	Each	1997	1691
489	BMW-H.03	150 mm dia CI (spun) soils Waste & Ventilating pipe (3 M)	Each	3661	3099
490	BMW-H.04	75 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket	Each	1665	1410
491	BMW-H.05	100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket	Each	2247	1902
492	BMW-H.06	75 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes	Each	1349	1142
493	BMW-H.07	100 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes	Each	1802	1526
494	BMW-H.08	75 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes	Each	1207	1022

495	BMW-H.09	100 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes	Each	1604	1358
496	BMW-H.10	75 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes	Each	982	831
497	BMW-H.11	100 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes	Each	1281	1084
498	BMW-H.12	75 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes	Each	1032	874
499	BMW-H.13	100 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes	Each	1281	1084
500	BMW-H.14	75 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings	Each	358	303
501	BMW-H.15	100 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings	Each	411	348
502	BMW-H.16	75 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	513	434
503	BMW-H.17	100 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	589	499
504	BMW-H.18	150 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	1125	952
505	BMW-H.19	75 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings	Each	707	599
506	BMW-H.20	100 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings	Each	781	661
507	BMW-H.21	150 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings	Each	1409	1193
508	BMW-H.22	75 mm dia Cut pipes (pieces) 3 feet (914.4 mm) CI (Spun) fittings	Each	1084	918
509	BMW-H.23	100 mm dia Cut pipes (pieces) 3 feet (914.4 mm) CI (Spun) fittings	Each	1463	1239
510	BMW-H.24	75 mm dia Cut pipes (pieces) 4 feet (1219.2 mm) CI (Spun) fittings	Each	1193	1010
511	BMW-H.25	100 mm dia Cut pipes (pieces) 4 feet (1219.2 mm) CI (Spun) fittings	Each	1785	1511
512	BMW-H.26	75 mm dia Plain Bend - CI (Spun) fittings	Each	368	312
513	BMW-H.27	100 mm dia Plain Bend - CI (Spun) fittings	Each	433	367
514	BMW-H.28	150 mm dia Plain Bend - CI (Spun) fittings	Each	1033	874
515	BMW-H.29	75 mm dia Door Bend - CI (Spun) fittings	Each	381	323
516	BMW-H.30	100 mm dia Door Bend - CI (Spun) fittings	Each	494	418
517	BMW-H.31	150 mm dia Door Bend - CI (Spun) fittings	Each	1130	957
518	BMW-H.32	75 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	368	312

519	BMW-H.33	100 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	433	367
520	BMW-H.34	150 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	1033	874
521	BMW-H.35	75 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	381	323
522	BMW-H.36	100 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	494	418
523	BMW-H.37	150 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	1130	957
524	BMW-H.38	Horn Bend Plain 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings	Each	750	635
525	BMW-H.39	Horn Bend door 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings	Each	875	741
526	BMW-H.40	75 mm dia Heel Rest Bend - CI (Spun) fittings	Each	392	332
527	BMW-H.41	100 mm dia Heel Rest Bend - CI (Spun) fittings	Each	501	424
528	BMW-H.42	150 mm dia Heel Rest Bend - CI (Spun) fittings	Each	1065	902
529	BMW-H.43	75 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	494	418
530	BMW-H.44	100 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	666	564
531	BMW-H.45	150 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	1375	1164
532	BMW-H.46	75 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	582	493
533	BMW-H.47	100 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	773	654
534	BMW-H.48	150 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	1452	1229
535	BMW-H.49	75 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	582	493
536	BMW-H.50	100 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	773	654
537	BMW-H.51	150 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	1704	1443
538	BMW-H.52	75 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	638	540
539	BMW-H.53	100 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	853	722
540	BMW-H.54	150 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	1836	1554
541	BMW-H.55	75 mm dia Double Branch Plain "T" - CI (Spun) fittings	Each	675	571
542	BMW-H.56	100 mm dia Double Branch Plain "T" - CI (Spun) fittings	Each	908	769

543	BMW-H.57	75 mm dia Double Branch Door "T" - CI (Spun) fittings	Each	752	637
544	BMW-H.58	100 mm dia Double Branch Door "T" - CI (Spun) fittings	Each	947	802
545	BMW-H.59	75 mm dia Double Branch Plain "Y" - CI (Spun) fittings	Each	752	637
546	BMW-H.60	100 mm dia Double Branch Plain "Y" - CI (Spun) fittings	Each	947	802
547	BMW-H.61	75 mm dia Double Branch Door "Y" - CI (Spun) fittings	Each	793	671
548	BMW-H.62	100 mm dia Double Branch Door "Y" - CI (Spun) fittings	Each	1028	870
549	BMW-H.63	75 mm dia Shoe Bend - CI (Spun) fittings	Each	465	394
550	BMW-H.64	100 mm dia Shoe Bend - CI (Spun) fittings	Each	544	461
551	BMW-H.65	150 mm dia Shoe Bend - CI (Spun) fittings	Each	1105	935
552	BMW-H.66	75 mm dia Collar - CI (Spun) fittings	Each	318	269
553	BMW-H.67	100 mm dia Collar - CI (Spun) fittings	Each	386	327
554	BMW-H.68	150 mm dia Collar - CI (Spun) fittings	Each	793	671
555	BMW-H.69	75 mm dia Cowl - CI (Spun) fittings	Each	281	238
556	BMW-H.70	100 mm dia Cowl - CI (Spun) fittings	Each	318	269
557	BMW-H.71	150 mm dia Cowl - CI (Spun) fittings	Each	714	604
558	BMW-H.72	75 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings	Each	407	345
559	BMW-H.73	100 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings	Each	494	418
560	BMW-H.74	150 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings	Each	997	844
561	BMW-H.75	75 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings	Each	445	377
562	BMW-H.76	100 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings	Each	582	493
563	BMW-H.77	150 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings	Each	1161	983
564	BMW-H.78	75 mm dia Long Door Bend - CI (Spun) fittings	Each	936	792
565	BMW-H.79	100 mm dia Long Door Bend - CI (Spun) fittings	Each	1007	852
566	BMW-H.80	75 mm dia Hand Hole pipe (Inspection pipe)	Each	538	455

567	BMW-H.81	100 mm dia Hand Hole pipe (Inspection pipe)	Each	732	620
568	BMW-H.82	150 mm dia Hand Hole pipe (Inspection pipe)	Each	975	825
569	BMW-H.83	75 mm dia P Traps - CI (Spun) fittings	Each	582	493
570	BMW-H.84	100 mm dia P Traps - CI (Spun) fittings	Each	798	676
571	BMW-H.85	4" x 3" (101.6 mm x 76.2mm) P. Traps 100 mm dia - CI (Spun) fittings	Each	915	775
572	BMW-H.86	4" x 3" (101.6 mm x 76.2mm) Vent Traps 100 mm dia - CI (Spun) fittings	Each	915	775
573	BMW-H.87	4" x 3" (101.6 mm x 76.2mm) Reducer 75 mm dia - CI (Spun) fittings	Each	568	481
574	BMW-H.88	6" x 4" (152.4 mm x101.6 mm) Reducer 75 mm dia - CI (Spun) fittings	Each	778	659
575	BMW-H.89	3" x 2" (76.2 mm x 50.8 mm) plain T 75 mm dia - CI (Spun) fittings	Each	486	411
576	BMW-H.90	3" x 2" (76.2 mm x 50.8 mm) Door T 75 mm dia - CI (Spun) fittings	Each	758	642
577	BMW-H.91	3" x 2" (76.2 mm x 50.8 mm) Plain Y 75 mm dia - CI (Spun) fittings	Each	758	642
578	BMW-H.92	3" x 2" (76.2 mm x 50.8 mm) Door Y 75 mm dia - CI (Spun) fittings	Each	758	642
579	BMW-H.93	4" x 3" (101.6 mm x 76.2mm) Plain T75 mm dia - CI (Spun) fittings	Each	758	642
580	BMW-H.94	4" x 3" (101.6 mm x 76.2mm) Door T75 mm dia - CI (Spun) fittings	Each	803	680
581	BMW-H.95	4" x 3" (101.6 mm x 76.2mm) Plain Y75 mm dia - CI (Spun) fittings	Each	803	680
582	BMW-H.96	4" x 3" (101.6 mm x 76.2mm) DoorY75 mm dia - CI (Spun) fittings	Each	857	726
583	BMW-H.97	6" x 4" (152.4 mm x101.6 mm) Plain T 75 mm dia - CI (Spun) fittings	Each	1122	950
584	BMW-H.98	6" x 4" (152.4 mm x101.6 mm)Door T 75 mm dia - CI (Spun) fittings	Each	1216	1029
585	BMW-H.99	6" x 4" (152.4 mm x101.6 mm) Plain Y 75 mm dia - CI (Spun) fittings	Each	1286	1089
586	BMW-H.100	6" x 4" (152.4 mm x101.6 mm)DoorY 75 mm dia - CI (Spun) fittings	Each	1572	1331
587	BMW-H.101	75 mm diaPlain " T" 27 " (685.8 mm) Special Types of Long Fittings	Each	1629	1379
588	BMW-H.102	100 mm dia - Plain " T" 27 " (685.8 mm) Special Types of Long CI (Spun) fittings	Each	2288	1937
589	BMW-H.103	75 mm dia Door "T" 27" (685.8 mm)Special Types of Long CI (Spun) fittings	Each	1819	1540
590	BMW-H.104	100mm dia Door "T" 27" (685.8 mm)Special Types of Long CI (Spun) fittings	Each	2514	2128

591	BMW-H.105	75 mm dia Plain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1819	1540
592	BMW-H.106	100mm dia Plain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	2514	2128
593	BMW-H.107	75 mm dia Door " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	2028	1717
594	BMW-H.108	100mm dia Door " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	2760	2337
I		MISCELLANEOUS ITEMS			
595	BMW-I.01	a) Supplying & Fixing solder joints up to 50.8 mm dia	Each	66	56
596	BMW-I.02	b) - do - labour charges only	Each	19	19
597	BMW-I.03	a) Supplying & Fixing solution joints up to 50.8 dia 1st quality.	Each	13	11
598	BMW-I.04	b) - do - labour charges only	Each	2	2
599	BMW-I.05	Chiselling the stone masonry wall for fixing of wooden blocks including finishing as directed by the department	Each	30	30
600	BMW-I.06	Chiselling the stone masonry wall and repairs as directed by the department.	1 Rm	143	143
601	BMW-I.07	Chiselling the brick masonry wall and repairs as directed by the department.	1 Rm	30	30
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	2167	1495
603	BMW-I.09	b) - do - labour charges only	Each	401	401
604	BMW-I.10	a) S & F NP shower spray fancy with NP Flexible pipe	Each	576	375
605	BMW-I.11	b) - do - labour charges only	Each	133	133
606	BMW-I.12	a) S & F NP cover for Nahany trap	Each	31	10
607	BMW-I.13	b) - do - labour charges only	Each	19	19
608	BMW-I.14	a) Painting the flushing tank with white enamel paint	Each	113	41
609	BMW-I.15	b) - do - labour charges only	Each	64	64
610	BMW-I.16	S & F internal fittings for flush tank Parryplast wonder flush or equivalent	Each	820	694
611	BMW-I.17	Repairing and over hauling flushing tank	Each	94	80
612	BMW-I.18	a) Supplying & Fixing NP chain rubber and plug for basin	Each	42	29
613	BMW-I.19	b) - do - labour charges only	Each	8	7

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	164	102
615	BMW-I.21	b) - do - labour charges only	Each	44	44
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	142	63
617	BMW-I.23	b) - do - labour charges only	Each	67	67
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	209	130
619	BMW-I.25	b) - do - labour charges only	Each	56	56
620	BMW-I.26	a) S & F 609.6 mm long 127 mm wide plate glass shelf only	Each	69	49
621	BMW-I.27	b) - do - labour charges only	Each	11	11
622	BMW-I.28	a) S & F NP soap dish heavy type with NP SCREWS	Each	243	196
623	BMW-I.29	b) - do - labour charges only	Each	12	12
624	BMW-I.30	a) S & F NP holder brackets with screws	Each	48	29
625	BMW-I.31	b) - do - labour charges only	Each	14	14
626	BMW-I.32	a) S & F liquid soap container NP metallic with NP brackets and screws.	Each	243	187
627	BMW-I.33	b) - do - labour charges only	Each	22	22
628	BMW-I.34	a) S & F 31.75 mm C.P TRAPS	Each	314	229
629	BMW-I.35	b) - do - labour charges only	Each	44	44
630	BMW-I.36	a) Supplying & fixing 88.9 mm A.C cowls	Each	71	48
631	BMW-I.37	b) - do - labour charges only	Each	14	14
632	BMW-I.38	a)Supplying & fixing A.CCowl 63.5 mm dia	Each	48	31
633	BMW-I.39	b) - do - labour charges only	Each	11	11
634	BMW-I.40	Removing and refixing W.C s	Each	228	193
635	BMW-I.41	Removing and refixing wash hand basins of any size with fittings complete	Each	220	186
636	BMW-I.42	a)S & F 76.2 x 101.6 mm teak wood block complete	Each	26	14

637	BMW-I.43	b) - do - labour charges only	Each	9	9
638	BMW-I.44	Cutting holes in C.C; basement & repairs Labour charges only	Each	107	107
639	BMW-I.45	Cutting holes in stone masonry& basement and repairs Labour charges only	Each	72	72
640	BMW-I.46	Cutting holes in Brick masonry& repairs Labour charges only	Each	47	47
641	BMW-I.47	Cutting holes in RCC slab floor & repairs Labour charges only	Each	72	72
642	BMW-I.48	a)Supplying & Fixing 12.7 mm PVC connection with brass union nut C.P coated	Each	102	69
643	BMW-I.49	b) - do - labour charges only	Each	20	17
644	BMW-I.50	a) S & F 12.7 mm .M.P couplings	Each	35	20
645	BMW-I.51	b) - do - labour charges only	Each	11	11
646	BMW-I.52	a) S & F 19.05 mm M.P couplings	Each	42	26
647	BMW-I.53	b) - do - labour charges only	Each	11	11
648	BMW-I.54	a) S& F MP coupling 25.4 mm dia	Each	95	74
649	BMW-I.55	a) S & FPVC Rubber adopter for LLC and bend	Each	19	9
650	BMW-I.56	b) - do - labour charges only	Each	8	8
651	BMW-I.57	a) S& F 31.75 mm Brass union nuts	Each	35	24
652	BMW-I.58	b) - do - labour charges only	Each	7	7
653	BMW-I.59	a) S& F 38.1 mm Brass union nuts	Each	37	24
654	BMW-I.60	b) - do - labour charges only	Each	9	9
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	474	317
656	BMW-I.62	b) - do - labour charges only	Each	100	100
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 includingplastering and finishing etc. complete.	Each	76	46
658	BMW-I.64	b) - do - labour charges only	Each	22	22
659	BMW-I.65	a) Supplying & fixing 304.8 x 228.6 mm CI frame & cover over gully taps	Each	124	75

660	BMW-I.66	b) - do - labour charges only	Each	35	35
661	BMW-I.67	a) Supplying & fixing CI Nahany trap grating	Each	20	8
662	BMW-I.68	b) - do - labour charges only	Each	11	11
663	BMW-I.69	a) Supplying & fixing CI gully trap grating	Each	50	33
664	BMW-I.70	b) - do - labour charges only	Each	11	11
665	BMW-I.71	a) Supplying & fixing valves for brass ball cocks 25.4 mm dia	Each	19	8
666	BMW-I.72	b) - do - labour charges only	Each	9	9
667	BMW-I.73	a) Supplying & fixing 12.7 m valve for bib tap or stop cocks	Each	18	9
668	BMW-I.74	b) - do - labour charges only	Each	7	7
669	BMW-I.75	a) Supplying & fixing 19.05 m valve for bib tap or stop cocks	Each	39	24
670	BMW-I.76	b) - do - labour charges only	Each	11	11
671	BMW-I.77	Removing 12.7 mm GIppe and refixing the same	Mr.	68	68
672	BMW-I.78	Removing 19.05 mm GIppe and refixing the same	Mr.	75	63
673	BMW-I.79	Removing 25.4 mm GIppe and refixing the same	Mr.	112	95
674	BMW-I.80	Removing 38.1 mm GIppe and refixing the same	Rm	142	120
675	BMW-I.81	Removing 50.8 mm GIppe and refixing the same	Rm	166	141
676	BMW-I.82	Cleaning the W.C with acid and Vim powder	Each	46	39
677	BMW-I.83	Cleaning the Urinal with acid and Vim power	Each	46	39
678	BMW-I.84	Cleaning the wash basin with acid and Vim powder	Each	46	39
679	BMW-I.85	Cleaning theE.W.C with acid and Vim power	Each	46	39
680	BMW-I.86	Supplying & fixing 914.4 x 457.2 mm CI man hole frame and cover (light weight) 30 Kgs	Each	2020	1710
681	BMW-I.87	Supplying & fixing 602 x 602 mm CI man hole frame and cover (light weight) 30 Kgs	Each	3003	2424
682	BMW-I.88	b) - do - labour charges only	Each	140	140
683	BMW-I.89	a) Supplying & fixing CI steps for septic tank.	Each	65	46

684	BMW-I.90	b) - do - labour charges only	Each	11	11
685	BMW-I.91	a) Supplying & fixing 50.8cm dia C.I. Man hole frame & cover for 914.4 mm dia chamber (20 Kgs - Light weight)	Each	1299	981
686	BMW-I.92	b) - do - labour charges only	Each	140	140
687	BMW-I.93	a) Supplying & fixing 50.8cm dia C.I. Man hole frame & cover for 914.4 mm dia chamber(Medium weight) as per IS:1726 - 40 Kgs	Each	2683	1970
688	BMW-I.94	b) - do - labour charges only	Each	356	356
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	1Sqm	251	175
690	BMW-I.96	a) Cost. 50.8 mm RCC partition wall	1Sqm	273	194
691	BMW-I.97	b) - do - labour charges only	1 Sqm	44	44
692	BMW-I.98	a)S& F double layer of bamboo matting tarred on both sides.	10 Sqm	624	424
693	BMW-I.99	b) - do - labour charges only	10 Sqm	123	123
694	BMW-I.100	Removing of 101.6 m or 76.2 mm CI pipe	1 RM	36	23
695	BMW-I.101	a) Supplying & fixing 76.2 mm W.I clamps	Each	25	21
696	BMW-I.102	b) - do - labour charges only	Each	9	9
697	BMW-I.103	a) Supplying & fixing NP coat hook	Each	47	30
698	BMW-I.104	b) - do - labour charges only	Each	11	11
699	BMW-I.105	a) Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457 .2 mm	Each	513	336
700	BMW-I.106	b) - do - labour charges only	Each	116	116
701	BMW-I.107	a) Supplying & fixing GI pipe plug of size 12.7 mm dia	Each	10	8
702	BMW-I.108	b) - do - labour charges only	Each	1	1
703	BMW-I.109	a) Supplying & fixing 19.06 mm dia GI plug	Each	14	11
704	BMW-I.110	b) - do - labour charges only	Each	1	1
705	BMW-I.111	a) Supplying and fixing 38.1 mm dia of GI plug	Each	72	53
706	BMW-I.112	b) - do - labour charges only	Each	9	9

707	BMW-I.113	a) Supplying & fixing 50.8 mm dia of GI PLUG	Each	110	84
708	BMW-I.114	b) - do - labour charges only	Each	11	11
709	BMW-I.115	a) Supplying & fixing 76.2 mm dia of GI PLUG	Each	200	153
710	BMW-I.116	b) - do - labour charges only	Each	19	19
711	BMW-I.117	a) Supplying & fixing C.P flange.	Each	26	15
712	BMW-I.118	b) - do - labour charges only	Each	8	8
713	BMW-I.119	a) Supplying & fixing stainless steel sink size 36" x 18" (914.4x457.2mm) 1 mm thick with accessories	Each	7552	5965
714	BMW-I.120	b) - do - labour charges only	Each	506	506
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	5935	4609
716	BMW-I.122	b) - do - labour charges only	Each	491	491
717	BMW-I.123	a) Supplying & fixing stainless steel sink size 20" x18" x 8 "(508x457.2x203.2mm) 1 mm thick with accessories	Each	5396	4188
718	BMW-I.124	b) - do - labour charges only	Each	449	449
719	BMW-I.125	Supplying & fixing 4 " x 24 " (101.6x609.6mm) white glazed porcelain channel fixed in brick masonry white cement pointing.	Each	545	415
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	990	754
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	5420	4130
722	BMW-I.128	Supply & fixing porcelain P' trap	Each	233	178
723	BMW-I.129	Supplying & fixing oval shape basin white (520x410mm)parry or equivalent	Each	2481	1890
724	BMW-I.130	Supply & fixing RCC cover 22" dia with nominal reinforcement 3 " thick and hooks for lifting	Each	734	559
725	BMW-I.131	Supply & fixing cp spl. Grating with frame and cover of 1 st quality	Each	63	48
726	BMW-I.132	Supply & fixing towel rod (CP) of 24" long and 3/4 " dia	Each	396	302
727	BMW-I.133	Supply & fixing of LLC handle set 1stquality	Each	79	60
728	BMW-I.134	Mechanical Cleaning of water sumps with pumps & UV disinfecting	1000 Lit	55	42
729	BMW-I.135	Supply & fixing 4" dia CP thimble pipe: 150 mm long	Each	413	315

730	BMW-I.136	Supply & fixing 4" dia CP thimble pipe: 220 mm long	Each	617	470
731	BMW-I.137	Supply & fixing 4" dia CP thimble pipe: 300 mm long	Each	824	628
732	BMW-I.138	Supply & fixing CP long bend	Each	349	266
733	BMW-I.139	Supply & fixing CP short bend	Each	175	133
734	BMW-I.140	Supplying & fixing 15 mm bib tap with flange Chromeum plated Jaquar make queen series	Each	1721	1311
735	BMW-I.141	Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook ofJaquar make queen series with 7 years warranty Chrome plated	Each	4360	3322
736	BMW-I.142	Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook ofJaquar make queen series with 7 years warranty: Ivory gold	Each	7332	5586
737	BMW-I.143	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Chrome plated	Each	1806	1376
738	BMW-I.144	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Ivory gold	Each	3084	2350
739	BMW-I.145	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Chrome plated	Each	1783	1358
740	BMW-I.146	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Ivory gold	Each	3453	2631
741	BMW-I.147	Supply & fixing Waste coupling 32 mm size full thread with 80 mm heightJaquar make with 7 years warranty: Chrome plated	Each	400	305
742	BMW-I.148	Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Chrome plated	Each	1704	1298
743	BMW-I.149	Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Ivory gold	Each	2882	2196
744	BMW-I.150	Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Chrome plated	Each	419	319
745	BMW-I.151	Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty:Ivory gold	Each	811	618
746	BMW-I.152	Supply and fixing wall mirror with provision for over head shower and 115 mm long bend pipe with wall flange Jaquarmake queen series with 7 years warranty:Chrome plated	Each	5509	4197
747	BMW-I.153	Supply and fixing wall mirror with provision for over head shower and 115 mm long bend pipe with wall flange Jaquarmake queen series with 7 years warranty: Ivory gold	Each	8666	6603
748	BMW-I.154	Supply & fixing overhead shower rose with revolving joint and 150 mm long swivel shower arm Jaquar make queen series. with 7 years warranty:Chrome plated	Each	2556	1947
749	BMW-I.155	Supply & fixing overhead shower rose with revolving joint and 150 mm long swivel shower arm Jaquar make queen series. with 7 years warranty: Ivory Gold	Each	3745	2853
750	BMW-I.156	Supply and Fixing Wall Mixer with Telephonic shower arrangement with crutch and flexible pipe Jaquar series Ivory gold colour for bath tub. with 7 years warranty	Each	14600	11124

751	BMW-I.157	Supply & fixing Bath tub overflow set complete with over flow cap, 450 mm Ball chain with rubber plug & union bend with brass nut Jaquar make, Ivory gold colour. with 7 years warranty	Each	1778	1355
752	BMW-I.158	Supply & fixing sink cock with regular swinging spout with wall flange chromeplated Jaquar make Queen series with 7 years warranty	Each	2554	1946
753	BMW-I.159	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Chrome plated	Each	1676	1277
754	BMW-I.160	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Ivory Gold	Each	2460	1874
755	BMW-I.161	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Chrome plated	Each	1350	1029
756	BMW-I.162	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Ivory Gold	Each	2377	1811
757	BMW-I.163	Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Chrome plated	Each	1269	967
758	BMW-I.164	Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Ivory Gold	Each	2073	1579
759	BMW-I.165	Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty: Chrome plated	Each	944	719
760	BMW-I.166	Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty: Ivory Gold	Each	1954	1489
761	BMW-I.167	Supply & Fixing of Towel rod 24 " Jaquar make Queen series Ivory gold colour with 7 years warranty	Each	3240	2469
762	BMW-I.168	Supply & Fixing of Tumbler holder Jaquar make Queen series, Ivory gold colour with 7 years warranty	Each	2271	1730
763	BMW-I.169	Supply & fixing of Glass shelf 22" Jaquar make Queen series, Ivory gold colour with 7 years warranty	Each	4428	3374
764	BMW-I.170	Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Continental series, Chrome Finish with 7 years warranty	Each	3213	2448
765	BMW-I.171	Supply & Fixing of Bibcock Jaquar Continental series, Chrome Finish with 7 years warranty	Each	944	719
766	BMW-I.172	Supply & Fixing of Pillar cock Jaquar Continental series, Chrome Finish with 7 years warranty	Each	1173	894
767	BMW-I.173	Supply & Fixing of Angular stopcock with wall flange Jaquar Continental series, Chrome finish with 7 years warranty	Each	873	665
768	BMW-I.174	Supply fixing of Waste coupling Jaquar make, Chrome finish with 7 years warranty	Each	379	289
769	BMW-I.175	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty	Each	1704	1298
770	BMW-I.176	Supply & Fixing of copper pipe 450mm long with nuts & washers Jaquar make, Chrome Finish with 7 years warranty	Each	379	289
771	BMW-I.177	Supply & Fixing of Wall Mixer with provision for overhead shower and 115mm long bend pipe with wall flange Jaquar make Continental series, Chrome finish with 7 years warranty	Each	4126	3144
772	BMW-I.178	Supply & Fixing of Exclusive overhead shower with 190mm long light body shower arm Jaquar make Continental series, Chrome finish with 7 years warranty	Each	1762	1342

773	BMW-I.179	Supply & Fixing wall mixer with telephonic shower arrangement with crutch and telephone shower with flexible tube Jaquar make Continental series Chrome colour for bath tub with 7 years warranty	Each	5761	4389
774	BMW-I.180	Supply & Fixing bath tub over flow set complete with over flow cap,450mm ball chain with rubber plug 7 Union bend with brass nuts Jaquar make, Chrome colour with 7 years warranty	Each	1345	1025
775	BMW-I.181	Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Continental series with 7 years warranty	Each	1660	1265
776	BMW-I.182	Supply & Fixing soap dish Jaquar make Continental series, Chrome Finish with 7 years warranty	Each	1308	997
777	BMW-I.183	Supply & Fixing of Toilet paper holder Jaquar make Continental series, Chrome finish with 7 years warranty	Each	873	665
778	BMW-I.184	Supply & Fixing of Towel Ring Jaquar make Continental series, Chrome finish with 7 years warranty	Each	1004	765
779	BMW-I.185	Supply & Fixing Double coat hook Jaquar make Continental series, Chrome finish with 7 years warranty	Each	750	571
780	BMW-I.186	Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty	Each	1621	1235
781	BMW-I.187	Supply & Fixing of Tumblerholder Jaquar make Continental series, Chrome finish with 7 years warranty	Each	1093	833
782	BMW-I.188	Supply & Fixing of Glass shelf 22" Jaquar make Continental series, Chrome finish with 7 years warranty	Each	2149	1637
783	BMW-I.189	Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty	Each	3844	2929
784	BMW-I.190	Supply & Fixing of Bibcock Jaquar Florentine (Quarter turn)series, Chrome Finish with 7 years warranty	Each	1296	987
785	BMW-I.191	Supply & Fixing of Pillar cock Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty	Each	1296	987
786	BMW-I.192	Supply & Fixing of Angular stopcock with wall flange Jaquar Florentine(Quarter turn)series, Chrome finish with 7 years warranty	Each	1275	971
787	BMW-I.193	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty	Each	1704	1298
788	BMW-I.194	Supply & Fixing of Wall Mixer with provision for overhead shower and 115mm long bend pipe with wall flange Jaquar make Florentine(Quarter turn) series, Chrome finish with 7 years warranty	Each	4978	3793
789	BMW-I.195	Supply & Fixing wall mixer with telephonic shower arrangement with crutch and telephone shower with flexible tube Jaquar make Florentine(Quarter turn) series Chrome colour for bath tub with 7 years warranty	Each	7503	5717
790	BMW-I.196	Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Florentine(Quarter turn) series with 7 years warranty	Each	1989	1515
791	BMW-I.197	Supply & Fixing of Rose shower with revolving ball joint & 115mm long shower arm with 7 years warranty	Each	2113	1610

792	BMW-I.198	Supply & Fixing of Jaquar make chrome plated Metro pole flush valveconcealed type with cover plate 40mm size with 7 years warranty	Each	3700	2819
793	BMW-I.199	Supply & Fixing of Jaquar make Sensotronic sensor faucet for wash basin, Chrome plated with 7 years warranty	Each	14532	11072
794	BMW-I.200	Supply & fixing of Jaquar make Sensotronic concealed type flushing valve for urinal complete set with installation box with control cock, Chrome plated with 7 years warranty	Each	14532	11072
795	BMW-I.201	Supply & fixing of Jaquar make Auto closing system pillar cock for wash basin, Chrome plated with 7 years warranty	Each	2408	1835
796	BMW-I.202	Supply& Fixing of Jaquar make Auto Closing system Bibcock, Chrome plated with 7 years warranty	Each	2526	1925
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	157	120
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	195	165
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	244	207
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	328	278
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	431	365

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	548	464
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	227	192
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	272	230
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	336	284
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	443	375
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	575	487

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	726	615
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	185	157
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	220	186
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	267	226
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	345	292
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	442	374

		Supply and Fixing of Premium make CPVC Pipes and Fittings to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" to 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 ODPipe - SDR 13.5	1 RM	141	107
815	BMW-I.221	22.20mm ODPipe - SDR 13.5	1 RM	160	122
816	BMW-I.222	28.60mm ODPipe - SDR 13.5	1 RM	212	162
817	BMW-I.223	34.90mm ODPipe - SDR 13.5	1 RM	289	220
818	BMW-I.224	41.30mm ODPipe - SDR 13.5	1 RM	360	274
819	BMW-I.225	54.00mm ODPipe - SDR 13.5	1 RM	525	400
820	BMW-I.226	15.90mm ODPipe - SDR 11	1 RM	156	119
821	BMW-I.227	22.20mm ODPipe - SDR 11	1 RM	189	144
822	BMW-I.228	28.60mm ODPipe - SDR 11	1 RM	227	173
823	BMW-I.229	34.90mm ODPipe - SDR 11	1 RM	310	236
824	BMW-I.230	41.30mm ODPipe - SDR 11	1 RM	383	292
825	BMW-I.231	54.00mm ODPipe - SDR 11	1 RM	560	427
826	BMW-I.232	Supply of 20mm x 1.9mm PN 10/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	48	41
827	BMW-I.233	Supply of 25mm x 2.3mm PN 10/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	73	62
828	BMW-I.234	Supply of 32mm x 2.9mm PN 10/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	115	97
829	BMW-I.235	Supply of 40mm x 3.7mm PN 10/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	180	152
830	BMW-I.236	Supply of 50mm x 4.6mm PN 10/PPR Pipe conforming to DIN Standards 8077/8080 conforming to IS15801	1 RM	321	272
831	BMW-I.237	Supply of 63mm x 5.8mm PN 10/PPR Pipe conforming to DIN Standards 8077/8081 conforming to IS15801	1 RM	504	427
832	BMW-I.238	Supply of 75mm x 6.8mm PN 10/PPR Pipe conforming to DIN Standards 8077/8082 conforming to IS15801	1 RM	702	594
833	BMW-I.239	Supply of 90mm x 8.2mm PN 10/PPR Pipe conforming to DIN Standards 8077/8083 conforming to IS15801	1 RM	963	815
834	BMW-I.240	Supply of 110mm x 10mm PN 10/PPR Pipe conforming to DIN Standards 8077/8084 conforming to IS15801	1 RM	1427	1208

835	BMW-I.241	Supply of 20mm x 2.8mm PN 16/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	66	56
836	BMW-I.242	Supply of 25mm x 3.5mm PN 16/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	102	86
837	BMW-I.243	Supply of 32mm x 4.4mm PN 16/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	163	138
838	BMW-I.244	Supply of 40mm x 5.5mm PN 16/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	251	212
839	BMW-I.245	Supply of 50mm x 6.9mm PN 16/PPR Pipe conforming to DIN Standards 8077/8080 conforming to IS15801	1 RM	449	380
840	BMW-I.246	Supply of 63mm x 8.6mm PN 16/PPR Pipe conforming to DIN Standards 8077/8081 conforming to IS15801	1 RM	707	599
841	BMW-I.247	Supply of 75mm x 10.3mm PN 16/PPR Pipe conforming to DIN Standards 8077/8082 conforming to IS15801	1 RM	999	846
842	BMW-I.248	Supply of 90mm x 12.3mm PN 16/PPR Pipe conforming to DIN Standards 8077/8083 conforming to IS15801	1 RM	1425	1206
843	BMW-I.249	Supply of 110mm x 15.1mm PN 16/PPR Pipe conforming to DIN Standards 8077/8084 conforming to IS15801	1 RM	2134	1807
844	BMW-I.250	Supply of 20mm x 3.4mm PN 20/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	77	65
845	BMW-I.251	Supply of 25mm x 4.2mm PN 20/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	118	100
846	BMW-I.252	Supply of 32mm x 5.4mm PN 20/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	190	161
847	BMW-I.253	Supply of 40mm x 6.7mm PN 20/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	292	247
848	BMW-I.254	Supply of 50mm x 8.3mm PN 20/PPR Pipe conforming to DIN Standards 8077/8080 conforming to IS15801	1 RM	519	439
849	BMW-I.255	Supply of 63mm x 10.5mm PN 20/PPR Pipe conforming to DIN Standards 8077/8081 conforming to IS15801	1 RM	819	693
850	BMW-I.256	Supply of 75mm x 12.5mm PN 20/PPR Pipe conforming to DIN Standards 8077/8082 conforming to IS15801	1 RM	1162	984
851	BMW-I.257	Supply of 90mm x 15mm PN 20/PPR Pipe conforming to DIN Standards 8077/8083	1 RM	1579	1337
852	BMW-I.258	Supply of 110mm x 18.3mm PN 20/PPR Pipe conforming to DIN Standards 8077/8084 conforming to IS15801	1 RM	2487	2105
853	BMW-I.259	Supply of 20mm PPR Socket conforming to DIN Standards 8077/8084	1 RM	11	9
854	BMW-I.260	Supply of 25mm PPR Socket conforming to DIN Standards 8077/8085	1 RM	15	13
855	BMW-I.261	Supply of 32mm PPR Socket conforming to DIN Standards 8077/8086	1 RM	21	18
856	BMW-I.262	Supply of 40mm PPR Socket conforming to DIN Standards 8077/8087	1 RM	36	30
857	BMW-I.263	Supply of 50mm PPR Socket conforming to DIN Standards 8077/8088	1 RM	70	59
858	BMW-I.264	Supply of 63mm PPR Socket conforming to DIN Standards 8077/8089	1 RM	134	113

859	BMW-I.265	Supply of 75mm PPR Socket conforming to DIN Standards 8077/8090	1 RM	204	173
860	BMW-I.266	Supply of 90mm PPR Socket conforming to DIN Standards 8077/8091	1 RM	391	331
861	BMW-I.267	Supply of 110mm PPR Socket conforming to DIN Standards 8077/8092	1 RM	696	589
862	BMW-I.268	Supply of 32mm PPR Core Flange conforming to DIN Standards 8077/8086	Each	42	36
863	BMW-I.269	Supply of 40mm PPR Core Flange conforming to DIN Standards 8077/8087	Each	67	57
864	BMW-I.270	Supply of 50mm PPR Core Flange conforming to DIN Standards 8077/8088	Each	87	74
865	BMW-I.271	Supply of 63mm PPR Core Flange conforming to DIN Standards 8077/8089	Each	138	117
866	BMW-I.272	Supply of 75mm PPR Core Flange conforming to DIN Standards 8077/8090	Each	161	136
867	BMW-I.273	Supply of 90mm PPR Core Flange conforming to DIN Standards 8077/8091	Each	411	348
868	BMW-I.274	Supply of 110mm PPR Core Flange conforming to DIN Standards 8077/8092	Each	531	450
869	BMW-I.275	Supply of 20mm PPR Elbow conforming to DIN Standards 8077/8084	Each	18	15
870	BMW-I.276	Supply of 25mm PPR Elbow conforming to DIN Standards 8077/8085	Each	22	19
871	BMW-I.277	Supply of 32mm PPR Elbow conforming to DIN Standards 8077/8086	Each	43	36
872	BMW-I.278	Supply of 40mm PPR Elbow conforming to DIN Standards 8077/8087	Each	75	63
873	BMW-I.279	Supply of 50mm PPR Elbow conforming to DIN Standards 8077/8088	Each	140	119
874	BMW-I.280	Supply of 63mm PPR Elbow conforming to DIN Standards 8077/8089	Each	274	232
875	BMW-I.281	Supply of 75mm PPR Elbow conforming to DIN Standards 8077/8090	Each	443	375
876	BMW-I.282	Supply of 90mm PPR Elbow conforming to DIN Standards 8077/8091	Each	824	698
877	BMW-I.283	Supply of 110mm PPR Elbow conforming to DIN Standards 8077/8092	Each	1530	1295
878	BMW-I.284	Supply of 20mm PPR Tee conforming to DIN Standards 8077/8084	Each	16	14
879	BMW-I.285	Supply of 25mm PPR Tee conforming to DIN Standards 8077/8085	Each	28	24
880	BMW-I.286	Supply of 32mm PPR Tee conforming to DIN Standards 8077/8086	Each	51	43
881	BMW-I.287	Supply of 40mm PPR Tee conforming to DIN Standards 8077/8087	Each	90	76
882	BMW-I.288	Supply of 50mm PPR Tee conforming to DIN Standards 8077/8088	Each	160	135

883	BMW-I.289	Supply of 63mm PPR Tee conforming to DIN Standards 8077/8089	Each	325	275
884	BMW-I.290	Supply of 75mm PPR Tee conforming to DIN Standards 8077/8090	Each	636	538
885	BMW-I.291	Supply of 90mm PPR Tee conforming to DIN Standards 8077/8091	Each	922	781
886	BMW-I.292	Supply of 110mm PPR Tee conforming to DIN Standards 8077/8092	Each	1598	1353
887	BMW-I.293	Supply of 20mm PPR End Cap conforming to DIN Standards 8077/8084	Each	7	6
888	BMW-I.294	Supply of 25mm PPR End Cap conforming to DIN Standards 8077/8085	Each	11	9
889	BMW-I.295	Supply of 32mm PPR End Cap conforming to DIN Standards 8077/8086	Each	21	18
890	BMW-I.296	Supply of 40mm PPR End Cap conforming to DIN Standards 8077/8087	Each	36	30
891	BMW-I.297	Supply of 50mm PPR End Cap conforming to DIN Standards 8077/8088	Each	63	53
892	BMW-I.298	Supply of 63mm PPR End Cap conforming to DIN Standards 8077/8089	Each	134	113
893	BMW-I.299	Supply of 75mm PPR End Cap conforming to DIN Standards 8077/8090	Each	225	190
894	BMW-I.300	Supply of 90mm PPR End Cap conforming to DIN Standards 8077/8091	Each	358	303
895	BMW-I.301	Supply of 110mm PPR End Cap conforming to DIN Standards 8077/8092	Each	708	599
896	BMW-I.302	Supply of 25mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	13	11
897	BMW-I.303	Supply of 32mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	22	19
898	BMW-I.304	Supply of 32mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	21	18
899	BMW-I.305	Supply of 40mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	37	31
900	BMW-I.306	Supply of 40mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	36	30
901	BMW-I.307	Supply of 40mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	35	30
902	BMW-I.308	Supply of 50mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	54	46
903	BMW-I.309	Supply of 50mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	55	47
904	BMW-I.310	Supply of 50mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	56	47
905	BMW-I.311	Supply of 50mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	57	48
906	BMW-I.312	Supply of 63mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	124	105

907	BMW-I.313	Supply of 63mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	124	105
908	BMW-I.314	Supply of 63mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	125	106
909	BMW-I.315	Supply of 63mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	126	107
910	BMW-I.316	Supply of 63mm x 50mm PPR Reducer conforming to DIN Standards 8077/8092	Each	127	108
911	BMW-I.317	Supply of 75mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	184	156
912	BMW-I.318	Supply of 75mm x 50mm PPR Reducer conforming to DIN Standards 8077/8092	Each	185	157
913	BMW-I.319	Supply of 75mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	235	199
914	BMW-I.320	Supply of 90mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	449	380
915	BMW-I.321	Supply of 90mm x 75mm PPR Reducer conforming to DIN Standards 8077/8092	Each	476	403
916	BMW-I.322	Supply of 110mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	600	508
917	BMW-I.323	Supply of 110mm x 75mm PPR Reducer conforming to DIN Standards 8077/8092	Each	698	591
918	BMW-I.324	Supply of 110mm x 90mm PPR Reducer conforming to DIN Standards 8077/8092	Each	753	637
919	BMW-I.325	Supply of 25mm x 20mm x 25mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	35	30
920	BMW-I.326	Supply of 32mm x 25mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	61	52
921	BMW-I.327	Supply of 32mm x 20mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	62	52
922	BMW-I.328	Supply of 40mm x 20mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	101	86
923	BMW-I.329	Supply of 40mm x 25mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	103	87
924	BMW-I.330	Supply of 40mm x 32mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	105	89
925	BMW-I.331	Supply of 50mm x 20mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	146	124
926	BMW-I.332	Supply of 50mm x 25mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	148	125
927	BMW-I.333	Supply of 50mm x 32mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	152	129
928	BMW-I.334	Supply of 50mm x 40mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	153	130
929	BMW-I.335	Supply of 63mm x 20mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	423	358
930	BMW-I.336	Supply of 63mm x 25mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	425	360

931	BMW-I.337	Supply of 63mm x 32mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	431	365
932	BMW-I.338	Supply of 63mm x 40mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	438	371
933	BMW-I.339	Supply of 63mm x 50mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	445	377
934	BMW-I.340	Supply of 75mm x 50mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	598	506
935	BMW-I.341	Supply of 75mm x 63mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	607	514
936	BMW-I.342	Supply of 90mm x 50mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	805	681
937	BMW-I.343	Supply of 90mm x 63mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	855	724
938	BMW-I.344	Supply of 110mm x 75mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	1459	1235
939	BMW-I.345	Supply of 110mm x 90mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	1517	1284
940	BMW-I.346	Supply of 20mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	112	95
941	BMW-I.347	Supply of 25mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	115	97
942	BMW-I.348	Supply of 25mm x ¾" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	201	170
943	BMW-I.349	Supply of 32mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	205	174
944	BMW-I.350	Supply of 32mm x ¾" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	212	179
945	BMW-I.351	Supply of 32mm x 1" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	327	277
946	BMW-I.352	Supply of 40mm x 1¼" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	484	410
947	BMW-I.353	Supply of 50mm x 1½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	676	572
948	BMW-I.354	Supply of 63mm x 2" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	899	761
949	BMW-I.355	Supply of 75mm x 2½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1733	1467
950	BMW-I.356	Supply of 20mm x ½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	174	147
951	BMW-I.357	Supply of 25mm x ½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	180	152
952	BMW-I.358	Supply of 25mm x ¾" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	262	222
953	BMW-I.359	Supply of 32mm x ¾" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	274	232
954	BMW-I.360	Supply of 32mm x 1" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	509	431

955	BMW-I.361	Supply of 40mm x 1¼" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	597	505
956	BMW-I.362	Supply of 50mm x 1½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	834	706
957	BMW-I.363	Supply of 63mm x 2" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1283	1086
958	BMW-I.364	Supply of 75mm x 2½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	2052	1737
959	BMW-I.365	Supply of 20mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	120	102
960	BMW-I.366	Supply of 25mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	125	106
961	BMW-I.367	Supply of 25mm x ¾" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	193	163
962	BMW-I.368	Supply of 32mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	185	157
963	BMW-I.369	Supply of 32mm x ¾" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	216	183
964	BMW-I.370	Supply of 32mm x 1" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	362	306
965	BMW-I.371	Supply of 20mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	180	152
966	BMW-I.372	Supply of 25mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	197	167
967	BMW-I.373	Supply of 25mm x ¾" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	261	221
968	BMW-I.374	Supply of 32mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	251	212
969	BMW-I.375	Supply of 32mm x 1" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	541	458
970	BMW-I.376	Supply of 20mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	116	98
971	BMW-I.377	Supply of 25mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	127	108
972	BMW-I.378	Supply of 25mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	212	179
973	BMW-I.379	Supply of 32mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	223	189
974	BMW-I.380	Supply of 32mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	251	212
975	BMW-I.381	Supply of 32mm x 1" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	352	298
976	BMW-I.382	Supply of 20mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	181	153
977	BMW-I.383	Supply of 25mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	193	163
978	BMW-I.384	Supply of 25mm x ¾" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	277	234

979	BMW-I.385	Supply of 32mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	283	240
980	BMW-I.386	Supply of 32mm x¾"PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	299	253
981	BMW-I.387	Supply of 32mm x 1" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	552	467
982	BMW-I.388	Supply of 20mm x ½" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	466	394
983	BMW-I.389	Supply of 25mm x¾"PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	698	591
984	BMW-I.390	Supply of 32mm x1"PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	932	789
985	BMW-I.391	Supply of 40mm x1¼"PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	1306	1106
986	BMW-I.392	Supply of 50mm x 1½" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	2099	1777
987	BMW-I.393	Supply of 63mm x 2" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	3334	2822
988	BMW-I.394	Supply of 20mm x ½" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	534	452
989	BMW-I.395	Supply of 25mm x¾"PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	710	601
990	BMW-I.396	Supply of 32mm x1"PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	932	789
991	BMW-I.397	Supply of 40mm x1¼"PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	1165	986
992	BMW-I.398	Supply of 50mm x 1½" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	2215	1875
993	BMW-I.399	Supply of 63mm x 2" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	3732	3159
994	BMW-I.400	Supply of 20mm PPR Union conforming to DIN Standards 8077/8092	Each	102	86
995	BMW-I.401	Supply of 25mm PPR Union conforming to DIN Standards 8077/8092	Each	119	101
996	BMW-I.402	Supply of 32mm PPR Union conforming to DIN Standards 8077/8092	Each	196	166
997	BMW-I.403	Supply of 20mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	186	157
998	BMW-I.404	Supply of 25mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	245	207
999	BMW-I.405	Supply of 32mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	257	218
1000	BMW-I.406	Supply of 40mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	526	445
1001	BMW-I.407	Supply of 50mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	613	519
1002	BMW-I.408	Supply of 63mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	992	840

1003	BMW-I.409	Supply of 75mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	1633	1382
1004	BMW-I.410	Supply of 90mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	2333	1975
1005	BMW-I.411	Supply of 20mm PPR Clamp conforming to DIN Standards 8077/8092	Each	11	9
1006	BMW-I.412	Supply of 25mm PPR Clamp conforming to DIN Standards 8077/8092	Each	14	12
1007	BMW-I.413	Supply of 32mm PPR Clamp conforming to DIN Standards 8077/8092	Each	16	14
1008	BMW-I.414	Supply of 40mm PPR Clamp conforming to DIN Standards 8077/8092	Each	18	15
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	31	31
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	53	53

NOTE

1	All the items to be used on work are of first quality & ISI and as approved by the Engineer In charge of the work.
2	Rates given above are:
	a) Rate for finished item of work
	b) Labour charges only
3	RATES
	a) Supply Rates for all the materials are based on market rates plus Sales Tax/ Material VAT.
	b) Works Contract VAT for General/ Composition Scheme on finished items may be 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

WATER SUPPLY & SANITARY ITEMS

LIST OF Brands / MANUFACTURERS / SUPPLIERS OF WATER SUPPLY AND SANITARY ITEMS

Sl. No	SECTION	NAMES OF THE ITEMS	NAMES OF THE BRAND / MANUFACTURER/ SUPPLIER
1	SECTION – C	C.I. PIPES & FITTINGS - AS PER - IS 1729:1979	B.I.C., NECO or equivalent
2	SECTION – D	VITREOUS CHINAWARE - SANITARY APPLIANCES as per IS:2556 – 1974	Hindustan Sanitary ware/ Parryware/ Neycer/ CERA / Jaquar / kerovit –kajaria / H&R Johnson
3	SECTION – E	TAPS & FAUCETS	Seiko/ Senior/ Nice/ CERA/ Hindware – PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware / H & R Johnson /Swastika enterprises
4	SECTION – F	G.I. PIPES & FITTINGS	Pipes -Tata, Sail, Zenith: Fittings - HB : Valves – Zoloto, Sant valves/ JSW/ Oswal
5	SECTION – G	PVC PIPES & FITTINGS	Sintex for PVC tanks, Pipes and Fittings – Prince / Finolex / Sudhakar / Kisan / Supreme or any ISI Brand, LLC Tanks - Parry ware, Slim line, CERA/ UNIFLEX / ASTRAL UPVC & CPVC pipes
6	SECTION – H	CENTRIFUGAL CAST IRON PIPES & FITTINGS AS PER IS: 3989 – 1984	B.I.C., NECO - ISI brand
7	SECTION – I	MISCELLANEOUS	Special Taps and CP Fittings - Jaquar / Jupiter Aqua Lines-JAL/ CERA/ SFMC PPR & PVC Pipes, Harshavardhan international / supreme, ASTRAL UPVC & CPVC pipes/ Ashirvad, Prince, Kisan

Note: 1) All Building Materials conforming to ISI Standards shall be used in all CIVIL, Water Supply & Sanitary Fittings and Electrical Works.

2) Not only limiting to the Brand / Manufacturer / Supplier for Materials/Products mentioned above, Material / Product conforming to the Specification and Standards of ISI from any Brand / Manufacturer, shall also be allowed in all CIVIL, Water Supply & Sanitary Fittings and Electrical Works also.

GOVERNMENT OF ANDHRA PRADESH
ROADS AND BUILDINGS DEPARTMENT
Buildings SoR 2015-16 (Electrical Items)

SL NO	Item Code	QTY	BASIC RATE for SOR 2015-16 excluding subsumed taxes
1	2	3	5
	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.	59.4
2	ELEC-1.1.2	Supply of ISI, 25mm dia, 16 guage thickness MS conduit pipe of Makes: NAI / Bharath / GB.	69.3
3	ELEC-1.1.3	Supply of ISI, 32mm dia, 16 guage thickness MS conduit pipe of Makes: NAI / Bharath / GB.	103.125
4	ELEC-1.1.4	Supply of ISI, 38mm dia, 16 guage thickness MS conduit pipe of Makes: NAI / Bharath / GB.	103.95
5	ELEC-1.1.5	Supply of ISI, 50mm dia,16 guage thickness MS conduit pipe of Makes: NAI / Bharath / GB.	147.675
6	ELEC-1.1.6	Supply of 19 / 20 mm MS Junction box normal range big size long neck.	19.8
7	ELEC-1.1.7	Supply of 25 mm MS Junction box normal range big size long neck.	19.8
8	ELEC-1.1.8	Supply of 32 mm MS Junction box normal range big size long neck.	51.975
9	ELEC-1.1.9	Supply of 40 / 38 mm MS Junction box normal range big size long neck.	61.05
10	ELEC-1.1.10	Supply of 50 mm MS Junction box normal range big size long neck.	109.725
11	ELEC-1.1.11	Supply of 25/20mm.MS Junction deep box.	32.175
12	ELEC-1.1.12	Supply of 32mm.MS Junction deep box.	73.425
13	ELEC-1.1.13	Supply of 40mm.MS Junction deep box.	75.9
14	ELEC-1.1.14	Supply of 19/20mm MS Inspection Bends.	18.15
15	ELEC-1.1.15	Supply of 25mm MS Inspection Bends.	18.15
16	ELEC-1.1.16	Supply of 32mm MS Inspection Bends.	45.375
17	ELEC-1.1.17	Supply of 40/38mm MS Inspection Bends.	55.275
18	ELEC-1.1.18	Supply of 50mm MS Inspection Bends.	94.05
19	ELEC-1.1.19	Supply of 19/20mm MS Inspection Tee.	18.975
20	ELEC-1.1.20	Supply of 25mm MS Inspection Tee.	19.8
21	ELEC-1.1.21	Supply of 32mm MS Inspection Tee.	51.975
22	ELEC-1.1.22	Supply of 40/38mm MS Inspection Tee.	61.05
23	ELEC-1.1.23	Supply of 50mm MS Inspection Tee.	109.725
24	ELEC-1.1.24	Supply of 19/20mm MS Inspection Elbow.	17.325
25	ELEC-1.1.25	Supply of 25mm MS Inspection Elbow.	17.325
26	ELEC-1.1.26	Supply of 32mm MS Inspection Elbow.	43.725
27	ELEC-1.1.27	Supply of 40/38mm MS Inspection Elbow.	53.625

28	ELEC-1.1.28	Supply of 50mm MS Inspection Elbow.	89.1
29	ELEC-1.1.29	Supply of MS Inspection 10 Guage G.I. checknut size 19/20mm.	169.95
30	ELEC-1.1.30	Supply of MS Inspection 10 Guage G.I. checknut size 25mm.	211.2
31	ELEC-1.1.31	Supply of MS Inspection 10 Guage G.I. checknut size 32mm.	391.875
32	ELEC-1.1.32	Supply of MS Inspection 10 Guage G.I. checknut size 40/38mm.	529.65
33	ELEC-1.1.33	Supply of MS Inspection 10 Guage G.I. checknut size 50mm.	1049.4
34	ELEC-1.1.34	Supply of 19/20mm Saddles with Base.	174.075
35	ELEC-1.1.35	Supply of 25mm Saddles with Base.	181.5
36	ELEC-1.1.36	Supply of 32mm Saddles with Base.	299.475
37	ELEC-1.1.37	Supply of 40/38mm Saddles with Base.	318.45
38	ELEC-1.1.38	Supply of 50mm Saddles with Base.	367.95
39	ELEC-1.1.39	Supply of 19/20mm 20 guage Saddles.	93.225
40	ELEC-1.1.40	Supply of 25mm 20 guage Saddles.	122.925
41	ELEC-1.1.41	Supply of 32mm 20 guage Saddles.	201.3
42	ELEC-1.1.42	Supply of 40/38mm 20 guage Saddles.	254.1
43	ELEC-1.1.43	Supply of 50mm 20 guage Saddles.	309.375
44	ELEC-1.1.44	Supply of 19/20mm 16 Guage socket coupler.	47.025
45	ELEC-1.1.45	Supply of 25mm 16 Guage socket coupler.	59.4
46	ELEC-1.1.46	Supply of 32mm 16 Guage socket coupler.	89.1
47	ELEC-1.1.47	Supply of 38mm 16 Guage socket coupler.	106.425
48	ELEC-1.1.48	Supply of 40mm 16 Guage socket coupler.	141.9
49	ELEC-1.1.49	Supply of 50mm 16 Guage socket coupler.	174.9
50	ELEC-1.1.50	Supply of 19mm Ball Socket.	174.9
51	ELEC-1.1.51	Supply of 25mm Ball Socket.	170.775
	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. Makes: Sudhakar / Modi / VIP / GM	16.5
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	4.125
53	ELEC-1.2.2	Supply of ISI 20mm outer dia heavy (2.10mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM	20.625
54	ELEC-1.2.3	Supply of ISI 25mm outer dia medium (1.80mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM	23.1
55	ELEC-1.2.4	Supply of ISI 25mm outer dia heavy (2.20mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM	26.4
56	ELEC-1.2.5	Supply of ISI 32mm outer dia medium (2.10mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM	33.825

57	ELEC-1.2.6	Supply of ISI 40mm outer dia medium (2.30mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM	46.2
58	ELEC-1.2.7	Supply of ISI 50mm outer dia medium (2.85mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM	67.65
59	ELEC-1.2.8	Supply of Non - ISI 19mm 1.50mm thick regid PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	11.55
60	ELEC-1.2.9	Supply of Non - ISI 19mm 1.80mm thick regid PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	15.675
61	ELEC-1.2.10	Supply of Non - ISI 25mm 1.50mm thick regid PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	15.675
62	ELEC-1.2.11	Supply of Non - ISI 25mm 1.80mm thick regid PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	20.625
63	ELEC-1.2.12	Supply of Non - ISI 32mm dia 2.0mm thickness PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	27.225
64	ELEC-1.2.13	Supply of Non - ISI 40mm dia 2.0mm thickness PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	35.475
65	ELEC-1.2.14	Supply of Non - ISI 50mm dia 2.0mm thickness PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	40.425
66	ELEC-1.2.15	Supply of ISI 19/20mm width and 12.5mm height Casing and Caping. Make: Modi.	21.45
67	ELEC-1.2.16	Supply of ISI 25mm width and 12.5mm height Casing and Caping. Make: Modi.	26.4
68	ELEC-1.2.17	Supply of ISI 32mm width and 12.5mm height Casing and Caping. Make: Modi.	30.525
69	ELEC-1.2.18	Supply of ISI 38/40mm width and 12.5mm height Casing and Caping. Make: Modi.	52.8
70	ELEC-1.2.19	Supply of Non - ISI 19/20mm width and 12.5mm height Casing and Caping. Make: Diamond / Durga.	14.85
71	ELEC-1.2.20	Supply of Non - ISI 25mm width and 12.5mm height Casing and Caping. Make: Diamond / Durga.	15.675
72	ELEC-1.2.21	Supply of Non - ISI 32mm width and 12.5mm height Casing and Caping Make: Diamond / Durga.	20.625
73	ELEC-1.2.22	Supply of Non - ISI 38/40mm width and 12.5mm height Casing and Caping Make: Diamond / Durga.	29.7
74	ELEC-1.2.23	Supply of 19/20mm PVC Flexible Pipe.	3.3

75	ELEC-1.2.24	Supply of 25mm PVC Flexible Pipe.	4.125
76	ELEC-1.2.25	Supply of 32mm PVC Flexible Pipe.	5.775
77	ELEC-1.2.26	Supply of 40/38mm PVC Flexible Pipe.	10.725
78	ELEC-1.2.27	Supply of 50mm PVC Flexible Pipe.	16.5
79	ELEC-1.2.28	Supply of 19/20mm PVC Flexible Couplings.	9.075
80	ELEC-1.2.29	Supply of 25mm PVC Flexible Couplings.	11.55
81	ELEC-1.2.30	Supply of 32mm PVC Flexible Couplings.	23.1
82	ELEC-1.2.31	Supply of 40/38mm PVC Flexible Couplings.	24.75
83	ELEC-1.2.32	Supply of 50mm PVC Flexible Couplings.	50.325
84	ELEC-1.2.33	Supply of 19/20mm PVC Junction Boxes Normal.	14.025
85	ELEC-1.2.34	Supply of 25mm PVC Junction Boxes Normal.	15.675
86	ELEC-1.2.35	Supply of 32mm PVC Junction Boxes Normal.	28.05
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
87	ELEC-1.2.36	Supply of 40mm PVC Junction Boxes Normal.	30.525
88	ELEC-1.2.37	Supply of 50mm PVC Junction Boxes Normal.	42.075
89	ELEC-1.2.38	Supply of PVC Junction Boxes Deep size 19/20mm.	18.15
90	ELEC-1.2.39	Supply of PVC Junction Boxes Deep size 25mm.	20.625
91	ELEC-1.2.40	Supply of PVC Junction Boxes Deep size 32mm.	33
92	ELEC-1.2.41	Supply of PVC Junction Boxes Deep size 40/38mm.	35.475
93	ELEC-1.2.42	Supply of PVC Junction Boxes Deep size 50mm.	52.8
94	ELEC-1.2.43	Supply of 19/20mm dia 1.5mm thick PVC Bends. Make: Sudhakar.	3.3
95	ELEC-1.2.44	Supply of 25mm dia 1.5mm thick PVC Bends. Make: Sudhakar.	4.95
96	ELEC-1.2.45	Supply of 32mm dia 2.0mm thick PVC Bends. Make: Sudhakar.	13.2
97	ELEC-1.2.46	Supply of 40mm dia 2.0mm thick PVC Bends. Make: Sudhakar.	15.675
98	ELEC-1.2.47	Supply of 50mm dia 2.0mm thick PVC Bends. Make: Sudhakar.	23.1
99	ELEC-1.2.48	Dummy Cover to PVC junction boxes	3.3
	1.3	HOT DIP GALVANIZED METAL BOXES (MODULAR)	0
100	ELEC-1.3.1	Supply of 1 or 2 Module box	51.3
101	ELEC-1.3.2	Supply of 3 Module box	71.82
102	ELEC-1.3.3	Supply of 4 Module box	86.355
103	ELEC-1.3.4	Supply of 6 Module box	117.135
104	ELEC-1.3.5	Supply of 8 or 9 Module box Horizontal/Vertical.	153.045
105	ELEC-1.3.6	Supply of 12 Module box	187.245
		METALLIC BOXES (MS)	0
106	ELEC-1.3.7	Supply of 4" x 4" Metal Box	45.315
107	ELEC-1.3.8	Supply of 4" x 7" Metal Box	53.865
108	ELEC-1.3.9	Supply of 6" x 6" Metal Box	67.545
109	ELEC-1.3.10	Supply of 6" x 8" Metal Box	89.775
110	ELEC-1.3.11	Supply of 10" x 8" Metal Box	157.32
111	ELEC-1.3.12	Supply of 10" x 12" Metal Box	201.78
	1.4	T.W. BOARDS	
112	ELEC-1.4.1	Supply of T.W.Deep Box of Size 4" x 4"	8.55
113	ELEC-1.4.2	Supply of T.W.Deep Box of Size 4" x 7"	15.39
114	ELEC-1.4.3	Supply of T.W.Deep Box of Size 6" x 6"	18.81
115	ELEC-1.4.4	Supply of T.W.Deep Box of Size 6" x 8"	25.65
116	ELEC-1.4.5	Supply of T.W.Deep Box of Size 8" x 10"	41.04
117	ELEC-1.4.6	Supply of T.W.Deep Box of Size 10" x 12"	62.415

118	ELEC-1.4.7	Supply of T.W.Deep Box of Size 12" x 15"	93.195
119	ELEC-1.4.8	Supply of Decolam Board of Size 4" x 4"	11.97
120	ELEC-1.4.9	Supply of Decolam Board of Size 4" x 7"	21.375
121	ELEC-1.4.10	Supply of Decolam Board of Size 6" x 6"	28.215
122	ELEC-1.4.11	Supply of Decolam Board of Size 6" x 8"	37.62
123	ELEC-1.4.12	Supply of Decolam Board of Size 8" x 10"	62.415
124	ELEC-1.4.13	Supply of Decolam Board of Size 10" x 12"	93.195
125	ELEC-1.4.14	Supply of Decolam Board of Size 12" x 15"	140.22
126	ELEC-1.4.15	Supply of Peeta Board of Size 9" x 14"	45.315
127	ELEC-1.4.16	Supply of Peeta Board of Size 12" x 10"	43.605
128	ELEC-1.4.17	Supply of Peeta Board of Size 15" x 20"	155.61
129	ELEC-1.4.18	Supply of Peeta Board of Size 18" x 24"	224.01
130	ELEC-1.4.19	Supply of Peeta Board of Size 18" x 30"	279.585
131	ELEC-1.4.20	Supply of No.8 Screws of 12mm.	50.445
132	ELEC-1.4.21	Supply of No.8 Screws of 25mm.	61.56
133	ELEC-1.4.22	Supply of No.8 Screws of 30mm.	76.095
134	ELEC-1.4.23	Supply of No.8 Screws of 35/38mm.	82.08
135	ELEC-1.4.24	Supply of No.8 Screws of 50mm.	92.34
136	ELEC-1.4.25	Supply of No.8 Screws of 63/75mm.	112.005
	1.5	COPPER FLEXIBLE CABLES (AS PER IS:694)	
137	ELEC-1.5.1	Supply of 14/0.3mm (1.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Finolex / RR kabel	
138	ELEC-1.5.2	Supply of 22/0.3mm (1.5 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Finolex / RR kabel	1282.875
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2		
139	ELEC-1.5.3	Supply of 36/0.3mm (2.5 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Finolex / RR kabel	2070.75
140	ELEC-1.5.4	Supply of 56/0.3mm (4.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Finolex / RR kabel	3162.225
141	ELEC-1.5.5	Supply of 84/0.3mm (6.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Finolex / RR kabel	4808.1
142	ELEC-1.5.6	Supply of 140/0.3mm (10.0 Sqmm) PVC FRLS / HFFR / ZHFR insulated flexible Copper cable. Makes: Finolex / RR kabel	7449.75
143	ELEC-1.5.7	Supply of 126/0.4mm (16.0 Sqmm) PVC FRLS / HFFR / ZHFR insulated flexible Copper cable. Makes: Finolex / RR kabel	11781

144	ELEC-1.5.8	Supply of 14/0.3mm (1.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab / Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Great white / Orbit / V-Guard	762.3
145	ELEC-1.5.9	Supply of 22/0.3mm (1.5 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab / Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	1120.35
146	ELEC-1.5.10	Supply of 36/0.3mm (2.5 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab / Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Great white / Orbit / V-Guard	1810.875
147	ELEC-1.5.11	Supply of 56/0.3mm (4.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab / Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Great white / Orbit / V-Guard	2772
148	ELEC-1.5.12	Supply of 84/0.3mm (6.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab / Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Great white / Orbit / V-Guard	4331.25
149	ELEC-1.5.13	Supply of 140/0.3mm (10.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated flexible Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Gold Medal / Kundancab / Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Orbit / V-Guard	6583.5
150	ELEC-1.5.14	Supply of 126/0.4mm (16.0 Sqmm) PVC FRLS / HFFR / ZHFR insulated flexible Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Gold Medal / Kundancab / Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Orbit / V-Guard.	10914.75

151	ELEC-1.5.15	Supply of 14/0.3mm (1.0 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini / Khanti.	657.525
152	ELEC-1.5.16	Supply of 22/0.3mm (1.5 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini / Khanti.	948.75
153	ELEC-1.5.17	Supply of 36/0.3mm (2.5 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini / Khanti.	1531.2
154	ELEC-1.5.18	Supply of 56/0.3mm (4.0 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini / Khanti.	2295.975
155	ELEC-1.5.19	Supply of 84/0.3mm (6.0 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini.	3551.625
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
156	ELEC-1.5.20	Supply of 140/0.3mm (10.0 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini.	5630.625
157	ELEC-1.5.21	Supply of 126/0.4mm (16.0 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini.	8662.5
		SHEATHED FLEXIBLE CABLES	
158	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. Makes: Finolex / RR Kable.	3456.75
159	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 694/1990. Makes: Finolex / RR Kable.	5513.475

160	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 694/1990. Makes: Finolex / RR Kable.	8476.05
161	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. Makes: Finolex / RR Kable.	4732.2
162	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. Makes: Finolex / RR Kable.	7612.275
163	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. Makes: Finolex / RR Kable.	11603.625
164	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. Makes: Finolex / RR Kable.	6098.4
165	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 694/1990. Makes: Finolex / RR Kable.	9711.075
166	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 694/1990. Makes: Finolex / RR Kable.	14779.875
167	ELEC-1.5.31	Supply of PVC insulated 2 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab.	2765.4
168	ELEC-1.5.32	Supply of PVC insulated 2 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab.	4410.45
169	ELEC-1.5.33	Supply of PVC insulated 2 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab.	6780.675
170	ELEC-1.5.34	Supply of PVC insulated 3 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab.	3785.925

171	ELEC-1.5.35	Supply of PVC insulated 3 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab.	6090.15
172	ELEC-1.5.36	Supply of PVC insulated 3 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab.	9282.9
173	ELEC-1.5.37	Supply of PVC insulated 4 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab.	4879.05
174	ELEC-1.5.38	Supply of PVC insulated 4 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab.	7769.025
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
175	ELEC-1.5.39	Supply of PVC insulated 4 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab.	11823.9
	1.6	SERVICE MAINS AND FLAT CABLE OF ISI FOR SUBMERSIBLE MOTORS.	
176	ELEC-1.6.1	Supply of 2.5 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM	608.025
177	ELEC-1.6.2	Supply of 6 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM	1235.025
178	ELEC-1.6.3	Supply of 10 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM	1329.075
179	ELEC-1.6.4	Supply of 16 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM	2221.725

180	ELEC-1.6.5	Supply of 6 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM	2489.025
181	ELEC-1.6.6	Supply of 10 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM	2993.925
182	ELEC-1.6.7	Supply of 16 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM	5613.3
183	ELEC-1.6.8	Supply of 23 / 0060 twin core twisted / flat heavy Copper wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM	858
184	ELEC-1.6.9	Supply of 3 Core 1.5 Sqmm Flat Copper cable of ISI for Submersible Motors. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM / RPG	4716.525
185	ELEC-1.6.10	Supply of 3 Core 2.5 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM / RPG.	7241.85
186	ELEC-1.6.11	Supply of 3 Core 4.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM / RPG.	10862.775
187	ELEC-1.6.12	Supply of 3 Core 6.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM / RPG.	16008.3
188	ELEC-1.6.13	Supply of 3 Core 10.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM / RPG.	26013.9
189	ELEC-1.6.14	Supply of 2.5 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire Makes: HPL / RPG / Nandicab / Gemini / Khanti .	577.5
190	ELEC-1.6.15	Supply of 6 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: HPL / RPG / Nandicab / Gemini / Khanti.	1173.15
191	ELEC-1.6.16	Supply of 10 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: HPL / RPG / Nandicab / Gemini.	1262.25

192	ELEC-1.6.17	Supply of 16 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire Makes: HPL / RPG / Nandicab / Gemini.	2110.35
193	ELEC-1.6.18	Supply of 6 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: HPL / RPG / Nandicab / Gemini / Khanti.	2364.45
194	ELEC-1.6.19	Supply of 10 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium	2844.6
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Wire. Makes: HPL / RPG / Nandicab / Gemini.	
195	ELEC-1.6.20	Supply of 16 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: HPL / RPG / Nandicab / Gemini.	5332.8
196	ELEC-1.6.21	Supply of 23 / 0060 twin core twisted / flat heavy Copper wire. Makes: HPL / RPG / Nandicab / Gemini.	815.1
197	ELEC-1.6.22	Supply of 3 Core 1.5 Sqmm Flat Copper cable of ISI for Submersible Motors. Makes: HPL / RPG / Nandicab / Gemini / Khantii.	4480.575
198	ELEC-1.6.23	Supply of 3 Core 2.5 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: HPL / RPG / Nandicab / Gemini / Khanti.	6879.675
199	ELEC-1.6.24	Supply of 3 Core 4.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: HPL / RPG / Nandicab / Gemini.	10319.925
200	ELEC-1.6.25	Supply of 3 Core 6.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: HPL / RPG / Nandicab / Gemini.	15208.05
201	ELEC-1.6.26	Supply of 3 Core 10.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: HPL / RPG / Nandicab / Gemini.	24712.875
	1.7	FLUSH TYPE SWITCHES AND ACCESSORIES	
202	ELEC-1.7.1	Supply of 6A 1 Way flush type Swich. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	15.39
203	ELEC-1.7.2	Supply of 6A 2 Way flush type Swich. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	17.955
204	ELEC-1.7.3	Supply of 6A 2 pin flush type Socket. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	17.1

205	ELEC-1.7.4	Supply of 6A 3/2 pin flush type Socket with shutter. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	23.085
206	ELEC-1.7.5	Supply of 6A flush type Neon Indicator. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	17.1
207	ELEC-1.7.6	Supply of 6A Triangle Plug Top of Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	29.925
208	ELEC-1.7.7	Supply of 6A 1 Way flush type Bed Swich / Bell Push. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	17.955
209	ELEC-1.7.8	Supply of 16A flush type Swich. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	55.575
210	ELEC-1.7.9	Supply of 16A flush type Socket with shutter. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	55.575
211	ELEC-1.7.10	Supply of 16A flush type Switch Socket combined (2 in one). Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	87.21
212	ELEC-1.7.11	Supply of 16A Triangle Plug Top Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	42.75
213	ELEC-1.7.12	Supply of stepped type Electronic Regulator. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	169.29
214	ELEC-1.7.13	Supply of 3 Plate Jumbo Ceiling Rose Makes: Anchor / Gold Medal Olive / Million Zoom.	17.955
215	ELEC-1.7.14	Supply of BH / SBH. Makes: Anchor / Gold Medal Olive / Million Zoom.	17.1
216	ELEC-1.7.15	Supply of Pendent Holder / Adopter. Makes: Anchor / Gold Medal Olive / Million Zoom.	14.535
217	ELEC-1.7.16	Supply of Telephone Jack with Connector. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	41.04
218	ELEC-1.7.17	Supply of TV Antenna Outlet. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	22.23
		Cherry / Great white Omega	

219	ELEC-1.7.18	Supply of 15A/10A Flush type Fuse. Makes: GM / Million / Gold Medal / Maru Mantero / Anchor Penta Cherry / Great white.	27.36
220	ELEC-1.7.19	Supply of 32A DP Flush type. Makes: GM / Million / Gold Medal / Maru Mantero / Anchor Penta Cherry / Great white.	90.63
221	ELEC-1.7.20	Supply of Calling Bell. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white.	42.75
222	ELEC-1.7.21	Supply of Buzzer. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white.	38.475
223	ELEC-1.7.22	Supply of Ding Dong Bell. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white.	87.21
224	ELEC-1.7.23	Supply of Electronic Musical Bell. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white.	205.2
225	ELEC-1.7.24	Supply of Remote Bell. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white.	384.75
226	ELEC-1.7.25	Supply of MC Holder. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white.	17.955
227	ELEC-1.7.26	Supply of Spike Guard with 1 No Switch and 4 Nos Sockets. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white.	265.05
228	ELEC-1.7.27	Supply of Spike Guard with 4 No Switches and 4 Nos Sockets. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white.	350.55
229	ELEC-1.7.28	Supply of 6A 1 Way flush type Switch. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	12.825
230	ELEC-1.7.29	Supply of 6A 2 Way flush type Swich. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	16.245
231	ELEC-1.7.30	Supply of 6A 2 pin flush type Socket. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	12.825
232	ELEC-1.7.31	Supply of 6A 3/2 pin flush type Socket with shutter. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	17.1
233	ELEC-1.7.32	Supply of 6A flush type Neon Indicator Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	15.39
234	ELEC-1.7.33	Supply of 6A Triangle Plug Top Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	23.94
235	ELEC-1.7.34	Supply of 6A 1 Way flush type Bed Swich / Bell Push. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	15.39

236	ELEC-1.7.35	Supply of 16A flush type Switch. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	47.025
237	ELEC-1.7.36	Supply of 16A flush type Socket with shutter. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	47.025
238	ELEC-1.7.37	Supply of 16A flush type Switch Socket combined (2 in one). Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	72.675
239	ELEC-1.7.38	Supply of 16A Triangle Plug Top Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on.	37.62
240	ELEC-1.7.39	Supply of stepped type Electronic Regulator. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL.	138.51
241	ELEC-1.7.40	Supply of 3 Plate Jumbo Ceiling Rose. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL.	13.68
242	ELEC-1.7.41	Supply of 32A DP Flush type of Makes: Milltec / Vimal / Star	72.675
	1.8	MINI MODULAR SWITCHES AND ACCESSORIES	
243	ELEC-1.8.1	Supply of 6A 1 Way Mini Modular Switch with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	19.665
244	ELEC-1.8.2	Supply of 6A 2 Way Mini Modular Switch with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	22.23
245	ELEC-1.8.3	Supply of 6A 2 Pin Mini Modular Socket with Cover Frame Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	20.52
246	ELEC-1.8.4	Supply of 6A 3/2 Pin Mini Modular Socket with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	29.925
247	ELEC-1.8.5	Supply of 6A Mini Modular Neon Indicator with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	23.94
248	ELEC-1.8.6	Supply of 6A Mini Modular Bed Switch / Bell Push with Cover Frame.	22.23
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	
249	ELEC-1.8.7	Supply of 6A 1 Way Mini Modular Switch with Neon Indicator with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	23.94

250	ELEC-1.8.8	Supply of 6A Mini Modular Bell Push with Neon Indicator with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	33.345
251	ELEC-1.8.9	Supply of 16A Mini Modular Switch with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	68.4
252	ELEC-1.8.10	Supply of 16A (2 in one) Mini Modular Switch & Socket combined with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	94.05
253	ELEC-1.8.11	Supply of 16A Triangle Top with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	41.895
254	ELEC-1.8.12	Supply of Mini Modular Stepped type Electronic Regulator with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	174.42
255	ELEC-1.8.13	Supply of Mini Modular Telephone Jack with Connector with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	46.17
256	ELEC-1.8.14	Supply of Mini Modular TV Antenna Outlet with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	29.925
257	ELEC-1.8.15	Supply of 16A/10A Mini Modular Flush Fuse with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White.	34.2
	1.9	MODULAR SWITCHES AND ACCESSORIES	
258	ELEC-1.9.1	Supply of 6A / 10A 1 Way 1 Module Modular Switch. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	78.66
259	ELEC-1.9.2	Supply of 6A / 10A 2 Way 1 Module Modular Switch. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	86.355
260	ELEC-1.9.3	Supply of 6A / 10A 2 Pin 2 Module Modular Socket. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	79.515
261	ELEC-1.9.4	Supply of 6A / 10A 3/2 Pin 2 Module Modular Socket with shutter. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	120.555
262	ELEC-1.9.5	Supply of 6A / 10A 1 Module Modular Switch with Neon Indicator. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	100.035
263	ELEC-1.9.6	Supply of 6A / 10A Modular Bell Push with Neon Indicator. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	117.135

264	ELEC-1.9.7	Supply of 16A / 10A Modular Flush Fuse with Neon Indicator. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	107.73
265	ELEC-1.9.8	Supply of 16A / 20A 1 Way 1 Module Modular Switch. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	107.73
266	ELEC-1.9.9	Supply of 16A / 20A 2 Way 1 Module Modular Switch. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	117.99
267	ELEC-1.9.10	Supply of 20A 1 Way 1 Module Modular Switch with Indicator. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	117.99
268	ELEC-1.9.11	Supply of 20A Modular Socket with shutter. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	160.74
269	ELEC-1.9.12	Supply of 16A/6A 1 way Combi Socket Modular Socket with shutter. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	167.58
270	ELEC-1.9.13	Supply of 16A Triangle Top. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	135.09
271	ELEC-1.9.14	Supply of 1 Module Modular type Electronic step type Fan Regulator. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	323.19
272	ELEC-1.9.15	Supply of Modular socket type Telephone jack with Connector. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	85.5
273	ELEC-1.9.16	Supply of Modular co-Axial socket type TV Antenna outlet. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge.	83.79
274	ELEC-1.9.17	Supply of 6A / 10A 1 Way 1 Module Modular Switch.	53.865
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	
275	ELEC-1.9.18	Supply of 6A / 10A 2 Way 1 Module Modular Switch. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	64.125
276	ELEC-1.9.19	Supply of 6A / 10A 2 Pin 1 Module Modular Socket with shutter. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	54.72

277	ELEC-1.9.20	Supply of 6A / 10A 3/2 Pin 2 Module Modular Socket with shutter. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	79.515
278	ELEC-1.9.21	Supply of 6A / 10A 1 Module Modular Switch with Neon Indicator. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	64.125
279	ELEC-1.9.22	Supply of 6A / 10A 1 Module Modular Bell Push with Neon Indicator. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	76.95
280	ELEC-1.9.23	Supply of 16A / 10A 1 Module Modular Flush Fuse with Neon Indicator. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	70.965
281	ELEC-1.9.24	Supply of 16A / 20A 1 Way 1 Module Modular Switch. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	70.965
282	ELEC-1.9.25	Supply of 16A / 20A 2 Way 1 Module Modular Switch. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	81.225
283	ELEC-1.9.26	Supply of 20A 1 Way 1 Module Modular Switch with Indicator. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	77.805
284	ELEC-1.9.27	Supply of 20A 2 Module Modular Socket with shutter. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	113.715
285	ELEC-1.9.28	Supply of 16A/6A 1 way 2 Module Combi Socket Modular Socket with shutter. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	115.425
286	ELEC-1.9.29	Supply of 16A Triangle Top. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	55.575

287	ELEC-1.9.30	Supply of 1 Module Modular type Electronic step type Fan Regulator. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	272.745
288	ELEC-1.9.31	Supply of Modular socket type Telephone jack with Connector. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	55.575
289	ELEC-1.9.32	Supply of Modular co-Axial socket type TV Antenna outlet. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	54.72
290	ELEC-1.9.33	Supply of 1 or 2 Modular Cover Frame. Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge.	55.575
291	ELEC-1.9.34	Supply of 3 Modular Cover Frame.	65.835
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge.	
292	ELEC-1.9.35	Supply of 4 Modular Cover Frame. Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge.	76.095
293	ELEC-1.9.36	Supply of 6 Modular Cover Frame . Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge.	111.15
294	ELEC-1.9.37	Supply of 8 Modular Horizontal / Vertical Cover Frame. Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge.	147.06
295	ELEC-1.9.38	Supply of 12 Modular Vertical Cover Frame. Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge.	179.55
296	ELEC-1.9.39	Supply of 1 or 2 Modular Cover Frame Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL.	47.88
297	ELEC-1.9.40	Supply of 3 Modular Cover Frame. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL.	58.995
298	ELEC-1.9.41	Supply of 4 Modular Cover Frame. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL.	69.255

299	ELEC-1.9.42	Supply of 6 Modular Cover Frame. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL.	92.34
300	ELEC-1.9.43	Supply of 8 Modular Horizontal / Vertical Cover Frame. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL.	117.135
301	ELEC-1.9.44	Supply of 12 Modular Vertical Cover Frame. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL.	142.785
		SECTION - 2	
	2.1	PANEL MOUNTING SWITCH DISCONNECTOR FUSE UNITS (SDFU) AS PER IS: 13947	
302	ELEC-2.1.1	Supply of 32A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS	1213.245
303	ELEC-2.1.2	Supply of 63A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS	2090.475
304	ELEC-2.1.3	Supply of 125A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS	5007.735
305	ELEC-2.1.4	Supply of 200A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS	6535.62
306	ELEC-2.1.5	Supply of 250A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS	7846.335
307	ELEC-2.1.6	Supply of 400A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS	12079.44
308	ELEC-2.1.7	Supply of 630A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS	20431.935
309	ELEC-2.1.8	Supply of 32A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian	1013.175
310	ELEC-2.1.9	Supply of 63A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian	1519.335

311	ELEC-2.1.10	Supply of 125A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian	3435.39
312	ELEC-2.1.11	Supply of 200A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian	5191.56
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
313	ELEC-2.1.12	Supply of 250A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian	5854.185
314	ELEC-2.1.13	Supply of 400A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian	8941.59
315	ELEC-2.1.14	Supply of 630A TPN Switch Disconnecter Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian	14847.075
	2.2	ON LOAD CHANGEOVER SWITCHES (OPEN EXECUTION) AS PER IS:13947	
316	ELEC-2.2.1	Supply of 63A 4 Pole Change Over Switch on Load with open Execution. Makes: Socomec / L & T	3889.395
317	ELEC-2.2.2	Supply of 125A 4 Pole Change Over Switch on Load with open Execution. Makes: Socomec / L & T	7362.405
318	ELEC-2.2.3	Supply of 200A 4 Pole Change Over Switch on Load with open Execution. Makes: Socomec / L & T	9850.455
319	ELEC-2.2.4	Supply of 250A 4 Pole Change Over Switch on Load with open Execution. Makes: Socomec / L & T	13998.06
320	ELEC-2.2.5	Supply of 400A 4 Pole Change Over Switch on Load with open Execution. Makes: Socomec / L & T	21360.465
321	ELEC-2.2.6	Supply of 630A 4 Pole Change Over Switch on Load with open Execution of Makes: Socomec / L & T	25404.615
322	ELEC-2.2.7	Supply of 63A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S.	3526.02

323	ELEC-2.2.8	Supply of 125A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S.	6849.405
324	ELEC-2.2.9	Supply of 200A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S.	9065.565
325	ELEC-2.2.10	Supply of 250A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S.	12893.4
326	ELEC-2.2.11	Supply of 400A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S.	20044.62
327	ELEC-2.2.12	Supply of 630A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S.	24074.235
328	ELEC-2.2.13	Supply of 32A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S.	1352.61
	2.3	OFF LOAD CHANGE OVER SWITCHES IN SS ENCLOSURE AS PER IS:13947	
329	ELEC-2.3.1	Supply of 32A 240V DP Off load Changeover Switch in sheet steel enclosure. Makes: HPL / Havells / Standard / Indo Asian	1239.75
330	ELEC-2.3.2	Supply of 63A 415V FP Off load Changeover Switch in sheet steel enclosure. Makes: HPL / Havells / Standard / Indo Asian	4320.315
331	ELEC-2.3.3	Supply of 100A 415V FP Off load Changeover Switch in sheet steel enclosure. Makes: HPL / Havells / Standard / Indo Asian	6589.485
332	ELEC-2.3.4	Supply of 32A 240V DP Off load Changeover Switch in sheet steel enclosure. Makes: Million / Bentec / Gold Medal / Star.	714.78
333	ELEC-2.3.5	Supply of 63A 415V FP Off load Changeover Switch in sheet steel enclosure. Makes: Million / Bentec / Gold Medal / Star.	2511.135
334	ELEC-2.3.6	Supply of 100A 415V FP Off load Changeover Switch in sheet steel enclosure. Makes: Million / Bentec / Gold Medal / Star.	4720.455
	2.4	REWIRABLE / DOUBLE BREAK SWITCHES IN SS ENCLOSURE	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	

		AS PER IS:13947	
335	ELEC-2.4.1	Supply of 32A 240V SPN Rewirable Fuse Switch in SS enclosure. Makes: HPL / Havells / Standard / Kundancab	880.65
336	ELEC-2.4.2	Supply of 32A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: HPL / Havells / Standard / Kundancab	1360.305
337	ELEC-2.4.3	Supply of 63A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: HPL / Havells / Standard / Kundancab	3105.36
338	ELEC-2.4.4	Supply of 100A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: HPL / Havells / Standard / Kundancab	5782.365
339	ELEC-2.4.5	Supply of 100A 415V TPN Double Break Switch in SS enclosure without fuses. Makes: HPL / Havells / Standard / Kundancab	5821.695
340	ELEC-2.4.6	Supply of 200A 415V TPN Double Break Switch in SS enclosure without fuses. Makes: HPL / Havells / Standard / Kundancab	8488.44
341	ELEC-2.4.7	Supply of 32A 240V SPN Rewirable Fuse Switch in SS enclosure. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star.	583.11
342	ELEC-2.4.8	Supply of 32A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star.	927.675
343	ELEC-2.4.9	Supply of 63A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star.	2110.14
344	ELEC-2.4.10	Supply of 100A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star.	4110.84
345	ELEC-2.4.11	Supply of 100A 415V TPN Double Break Switch in SS enclosure without fuse. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star.	4246.785
346	ELEC-2.4.12	Supply of 200A 415V TPN Double Break Switch in SS enclosure without fuse. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star.	6954.57
	2.5	HRC FUSE LINKS (BOLTED TYPE)	0
347	ELEC-2.5.1	Supply of up to 32A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian	42.75
348	ELEC-2.5.2	Supply of 32A to 63A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian	65.835
349	ELEC-2.5.3	Supply of 125A to 200A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian	212.04
350	ELEC-2.5.4	Supply of 250A to 350A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian	310.365

351	ELEC-2.5.5	Supply of 400A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian	601.92
352	ELEC-2.5.6	Supply of 630A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian	1218.375
	2.6	PORCELAIN REWIRABLE FUSE UNITS.	
353	ELEC-2.6.1	Supply of 32A 240V Porcelain Rewirable Fuse Units. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec.	84.645
354	ELEC-2.6.2	Supply of 32A 415V Porcelain Rewirable Fuse Units. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec.	105.165
355	ELEC-2.6.3	Supply of 63A 415V Porcelain Rewirable Fuse Units. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec.	221.445
356	ELEC-2.6.4	Supply of 100A 415V Porcelain Rewirable Fuse Units. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec.	413.82
357	ELEC-2.6.5	Supply of 200A 415V Porcelain Rewirable Fuse Units with extension strip. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec.	761.805
358	ELEC-2.6.6	Supply of 300A 415V Porcelain Rewirable Fuse Units with extension strip. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec.	1010.61
	2.7	VOLTAGE SURGE PROTECTORS	
359	ELEC-2.7.1	Supply of 2 Pole 2 Module 40 KA 1.4 KV Voltage Surge Protector. Makes: Legrand / Siemens / G E.	6840
360	ELEC-2.7.2	Supply of 4 Pole 4 Module 40 KA 1.4 KV Voltage Surge Protector. Makes: Legrand / Siemens / G E.	12825
361	ELEC-2.7.3	Supply of 2 Pole 2 Module 15 KA 1.2 KV Voltage Surge Protector.	5472
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: Legrand / Siemens / G E.	
362	ELEC-2.7.4	Supply of 4 Pole 4 Module 15 KA 1.2 KV Voltage Surge Protector. Makes: Legrand / Siemens / G E.	10260
363	ELEC-2.7.5	Supply of 2 Pole 2 Module 40 KA 1.4 KV Voltage Surge Protector of Makes: L&T / Hager	5236.875
364	ELEC-2.7.6	Supply of 4 Pole 4 Module 40 KA 1.4 KV Voltage Surge Protector. Makes: L&T / Hager	10260
365	ELEC-2.7.7	Supply of 2 Pole 2 Module 15 KA 1.2 KV Voltage Surge Protector. Makes: L&T / Hager	4275
366	ELEC-2.7.8	Supply of 4 Pole 4 Module 15 KA 1.2 KV Voltage Surge Protector. Makes: L&T / Hager	8550
	2.8	PANEL MOUNTING MCCBs/ ACBs (Thermal Magnetic Release)	

367	ELEC-2.8.1	Supply of 63A / 60A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens / Legrand	5440.365
368	ELEC-2.8.2	Supply of 125A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens / Legrand	6458.67
369	ELEC-2.8.3	Supply of 250A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 36/35 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens.	14386.23
370	ELEC-2.8.4	Supply of 400A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 36/35 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens.	19472.625
371	ELEC-2.8.5	Supply of 63A / 60A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens / Legrand	6116.67
372	ELEC-2.8.6	Supply of 125A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens / Legrand	7810.425
373	ELEC-2.8.7	Supply of 250A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 35/36 KA with thermal magnetic release Panel Mounted. Makes: L&T (DN2-250D) / Schneider / Siemens / Hager	18689.445
374	ELEC-2.8.8	Supply of 400A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 50 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens.	23527.89
375	ELEC-2.8.9	Supply of 63A / 60A 3 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: GE / ABB / Havells / HPL / Standard / Indo Asian / C&S.	3615.795

376	ELEC-2.8.10	Supply of 125A 3 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: GE / ABB / Havells / HPL / Standard / Indo Asian / C&S.	4109.985
377	ELEC-2.8.11	Supply of 250A 3 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 36/35 KA with thermal magnetic release Panel Mounted. Makes: Legrand / GE / ABB / Havells / HPL / Standard / Indo Asian / C&S.	12673.665
378	ELEC-2.8.12	Supply of 63A / 60A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: GE / ABB / Havells / HPL / Standard / Indo Asian / C&S.	4846.14
379	ELEC-2.8.13	Supply of 125A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: GE / ABB / Havells / HPL / Standard / Indo Asian / C&S.	5405.31
380	ELEC-2.8.14	Supply of 250A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 36 KA with thermal magnetic release Panel Mounted.Makes: Legrand / GE / ABB / Havells / HPL / Standard / Indo Asian / C&S.	15398.55
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
381	ELEC-2.8.15	Supply of 400A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 50 KA with thermal magnetic release Panel Mounted. Makes: Legrand / GE / ABB / Havells / HPL / Standard / Indo Asian / C&S.	19570.95
		PANEL MOUNTING ACBs (Microprocessor Based)	
382	ELEC-2.8.16	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. Makes: Siemens / L&T / Schneider.	93764.43
383	ELEC-2.8.17	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. Makes: Siemens / L&T / Schneider make.	116564.715
384	ELEC-2.8.18	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. Makes: Siemens / L&T / Schneider make.	125499.465

385	ELEC-2.8.19	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. Makes: Siemens / L&T / Schneider make.	155442.42
386	ELEC-2.8.20	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. Makes: Siemens / L&T / Schneider.	132217.2
387	ELEC-2.8.21	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. Makes: Siemens / L&T / Schneider	164058.255
388	ELEC-2.8.22	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. Makes: Siemens / L&T / Schneider.	138953.745
389	ELEC-2.8.23	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 protectio. Makes: Siemens / L&T / Schneider.	174964.635
390	ELEC-2.8.24	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. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S	83584.8
391	ELEC-2.8.25	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. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S.	103909.005
392	ELEC-2.8.26	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. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S.	111873.33
393	ELEC-2.8.27	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. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S.	138565.575

394	ELEC-2.8.28	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. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S.	117861.75
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
395	ELEC-2.8.29	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. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S.	146246.895
396	ELEC-2.8.30	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 strapes, 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	11395.44
397	ELEC-2.8.31	Supply and Fixing of Spring suspension hanger for rising Main for 400A / 800A Raising Mains. Makes: Legrand / L&T / Seimens / Schiender / GE	4604.175
398	ELEC-2.8.32	Supply and Fixing of Suspension brackets for rising main for 400A / 800A Raising Mains. Makes: Legrand / L&T / Seimens / Schiender / GE	3988.575
399	ELEC-2.8.33	Supply and Fixing of 800 Amps Horizontal / Vertical bends. Makes: Legrand / L&T / Seimens / Schiender / GE	29754
400	ELEC-2.8.34	Supply and Fixing of Adopter box for 400A / 800A Raising Mains. Makes: Legrand / L&T / Seimens / Schiender / GE	12825
401	ELEC-2.8.35	Supply and Fixing of 800 Amps Copper Flexibles for three phases and neutral. Makes: Legrand / L&T / Seimens / Schiender / GE	39800.25
402	ELEC-2.8.36	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	8903.115

403	ELEC-2.8.37	Supply and Fixing of 400 Amps Horizontal / Vertical bends. Makes: Legrand / L&T / Seimens / Schiender / GE	28001.25
404	ELEC-2.8.38	Supply and Fixing of 400 Amps Copper Flexibles for three phases and neutral. Makes: Legrand / L&T / Seimens / Schiender / GE	34926.75
405	ELEC-2.8.39	Supply and Fixing of 400 Amps Tap off box. Makes: Legrand / L&T / Seimens / Schiender / GE	38090.25
406	ELEC-2.8.40	Supply and Fixing of 250 Amps Tap off box. Makes: Legrand / L&T / Seimens / Schiender / GE	35568
407	ELEC-2.8.41	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	14169.915
	2.9	MCBs (AS PER IS:60898-1:2002)	
408	ELEC-2.9.1	Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider.	171.855
409	ELEC-2.9.2	Supply of 40-63A 10KA SP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider.	361.665
410	ELEC-2.9.3	Supply of 6-32A 10KA DP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider.	508.725
411	ELEC-2.9.4	Supply of 40-63A 10KA DP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider.	822.51
412	ELEC-2.9.5	Supply of 6-32A 10KA TP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider.	816.525
413	ELEC-2.9.6	Supply of 40-63A 10KA TP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider.	1262.835
414	ELEC-2.9.7	Supply of 6-32A 10KA FP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider.	1095.255
415	ELEC-2.9.8	Supply of 40-63A FP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider.	1623.645
416	ELEC-2.9.9	Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	138.51
417	ELEC-2.9.10	Supply of 40-63A 10KA SP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	304.38
418	ELEC-2.9.11	Supply of 6-32A 10KA DP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager /	437.76
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Indo Asian / C&S.	
419	ELEC-2.9.12	Supply of 40-63A 10KA DP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	599.355

420	ELEC-2.9.13	Supply of 6-32A 10KA TP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	699.39
421	ELEC-2.9.14	Supply of 40-63A 10KA TP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	969.57
422	ELEC-2.9.15	Supply of 6-32A 10KA FP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	908.01
423	ELEC-2.9.16	Supply of 40 - 63A 10KA FP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. .	1217.52
424	ELEC-2.9.17	Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	103.455
425	ELEC-2.9.18	Supply of 40-63A 10KA SP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	188.955
426	ELEC-2.9.19	Supply of 6-32A 10KA DP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	286.425
427	ELEC-2.9.20	Supply of 40-63A 10KA DP MCB, C/D Curve ISI Mark C-Curve. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	428.355
428	ELEC-2.9.21	Supply of 6-32A 10KA TP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	523.26
429	ELEC-2.9.22	Supply of 40 - 63A 10KA TP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	807.975
430	ELEC-2.9.23	Supply of 6-32A 10KA FP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	672.885
431	ELEC-2.9.24	Supply of 40 - 63A 10KA FP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	950.76
	2.1	ISOLATORS CONFIRMS TO I E C 60947 PART-III	
432	ELEC-2.10.1	Supply of 32A DP Isolator. Makes: Legrand / Schneider.	288.99
433	ELEC-2.10.2	Supply of 40A DP Isolator. Makes: Legrand / Schneider.	313.785
434	ELEC-2.10.3	Supply of 63A DP Isolator. Makes: Legrand / Schneider.	417.24
435	ELEC-2.10.4	Supply of 40A TP Isolator. Makes: Legrand / Schneider.	533.52
436	ELEC-2.10.5	Supply of 63A TP Isolator. Makes: Legrand / Schneider.	619.875
437	ELEC-2.10.6	Supply of 40A FP Isolator. Makes: Legrand / Schneider.	695.97

438	ELEC-2.10.7	Supply of 63A FP Isolator. Makes: Legrand / Schneider.	760.95
439	ELEC-2.10.8	Supply of 100A FP Isolator. Makes: Legrand / Schneider.	817.38
440	ELEC-2.10.9	Supply of 32A DP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	271.89
441	ELEC-2.10.10	Supply of 40A DP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	285.57
442	ELEC-2.10.11	Supply of 63A DP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. .	351.405
443	ELEC-2.10.12	Supply of 40A TP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. .	500.175
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
444	ELEC-2.10.13	Supply of 63A TP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	504.45
445	ELEC-2.10.14	Supply of 40A FP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	579.69
446	ELEC-2.10.15	Supply of 63A FP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	627.57
447	ELEC-2.10.16	Supply of 100A FP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	784.89
448	ELEC-2.10.17	Supply of 32A DP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	183.825
449	ELEC-2.10.18	Supply of 40A DP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	220.59
450	ELEC-2.10.19	Supply of 63A DP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	294.975
451	ELEC-2.10.20	Supply of 40A TP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	327.465
452	ELEC-2.10.21	Supply of 63A TP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	365.94
453	ELEC-2.10.22	Supply of 40A FP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	489.06

	2.11	RCCBs CONFIRMS TO IEC:61008 AND IS:12640	
454	ELEC-2.11.1	Supply of 40A 2 Pole RCCB 30mA, Makes: Legrand / Schneider.	2308.5
455	ELEC-2.11.2	Supply of 63A 2 Pole RCCB 30mA, Makes: Legrand / Schneider.	2821.5
456	ELEC-2.11.3	Supply of 40A 2 Pole RCCB 100mA, Makes: Legrand / Schneider.	2479.5
457	ELEC-2.11.4	Supply of 63A 2 Pole RCCB 100mA, Makes: Legrand / Schneider.	2847.15
458	ELEC-2.11.5	Supply of 40A 4 Pole RCCB 30mA, Makes: Legrand / Schneider.	2539.35
459	ELEC-2.11.6	Supply of 63A 4 Pole RCCB 30mA, Makes: Legrand / Schneider.	3005.325
460	ELEC-2.11.7	Supply of 40A 4 Pole RCCB 100mA, Makes: Legrand / Schneider.	2680.425
461	ELEC-2.11.8	Supply of 63A 4 Pole RCCB 100mA, Makes: Legrand / Schneider.	3420
462	ELEC-2.11.9	Supply of 40A 2 Pole RCCB 30mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	1839.96
463	ELEC-2.11.10	Supply of 63A 2 Pole RCCB 30mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. .	2481.21
464	ELEC-2.11.11	Supply of 40A 2 Pole RCCB 100mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	1810.89
465	ELEC-2.11.12	Supply of 63A 2 Pole RCCB 100mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	2376.9
466	ELEC-2.11.13	Supply of 40A 4 Pole RCCB 30mA. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. ..	2263.185
467	ELEC-2.11.14	Supply of 40A 4 Pole RCCB 30mA. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. ..	2581.245
468	ELEC-2.11.15	Supply of 40A 4 Pole RCCB 100mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	2187.09
469	ELEC-2.11.16	Supply of 63A 4 Pole RCCB 100mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.	2519.685
470	ELEC-2.11.17	Supply of MCB type Change Over Switch 20A Double Pole 2 way	1607.4
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		400V AC suitable to fix on Din Channel of Makes: Legrand / Schneider.	
	2.12	MCB DISTRIBUTION BOARDS (AS PER IS:13032)	

471	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. Makes: Legrand / Schneider.	649.8
472	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. Makes: Legrand / Schneider.	752.4
473	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. Makes: Legrand / Schneider.	893.475
474	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. Makes: Legrand / Schneider.	846.45
475	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. Makes: Legrand / Schneider.	1064.475
476	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. Makes: Legrand / Schneider.	1286.775
477	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	395.865
478	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	518.13
479	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	594.225
480	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	684
481	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	966.15

482	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	1154.25
483	ELEC-2.12.13	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	280.44
484	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard..	381.33
485	ELEC-2.12.15	Supply of 12 Way SPN DB with IP 20 Protection as per IS:13032 and	547
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		suitable for 12 Nos S.P out goings and for 1 No Incommer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard..	0
486	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 Incommer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard..	471.105
487	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard..	646.38
488	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard..	818.235
489	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. Makes: Legrand / Schneider.	1282.5

490	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. Makes: Legrand / Schneider.	1881
491	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. Makes: Legrand / Schneider.	3595.275
492	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. Makes: Legrand / Schneider.	2129.805
493	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. Makes: Legrand / Schneider.	3206.25
494	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. Makes: Legrand / Schneider.	4641.795
495	ELEC-2.12.25	Supply of 4 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider.	4381.875
496	ELEC-2.12.26	Supply of 8 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider.	5405.31
497	ELEC-2.12.27	Supply of 12 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider.	7867.71
498	ELEC-2.12.28	Supply of 4 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for TP/SP out goings etc complete. Makes: Legrand / Schneider.	5168.475
499	ELEC-2.12.29	Supply of 6 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for TP/SP out goings etc complete. Makes: Legrand / Schneider.	5985

500	ELEC-2.12.30	Supply of 8 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings etc complete. Makes: Legrand / Schneider.	6643.35
501	ELEC-2.12.31	Supply of 12 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for 12 Nos T.P. out goings etc complete. Makes: Legrand / Schneider.	8616.69
502	ELEC-2.12.32	Supply of 7 Segment 4 Way TPN DB with IP 42 Protection with	5557.5
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and 12 Nos SPMCB's as out going. Makes: Legrand / Schneider.	0
503	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. Makes: Legrand / Schneider.	6669
504	ELEC-2.12.34	Supply of 4 Way VTPN DB suitable for accomodating 125A / 160A 4 Pole MCCB as incomer and 4 Nos TP MCBs as outgoing and with IP 43 Protection. Makes: Legrand / Schneider.	6705.765
505	ELEC-2.12.35	Supply of 8 Way VTPN DB suitable for accomodating 125A / 160A 4 Pole MCCB as incomer and 8 Nos TP MCBs as outgoing and with IP 43 Protection. Makes: Legrand / Schneider.	8398.665
506	ELEC-2.12.36	Supply of 20A SP Plug and Socket in SS enclosure. Makes: Legrand / Schneider.	770.355
507	ELEC-2.12.37	Supply of 20A TP Plug and Socket in SS enclosure. Makes: Legrand / Schneider.	1637.325
508	ELEC-2.12.38	Supply of 32A TP Plug and Socket in SS enclosure. Makes: Legrand / Schneider.	1955.385
509	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	1325.25

510	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	1881
511	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	2565
512	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	1881
513	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	2992.5
514	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	4275
515	ELEC-2.12.45	Supply of 4 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	3249
516	ELEC-2.12.46	Supply of 8 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	4488.75
517	ELEC-2.12.47	Supply of 12 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	5814
518	ELEC-2.12.48	Supply of 4 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for TP/SP	4788

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		out goings etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	
519	ELEC-2.12.49	Supply of 6 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for TP/SP out goings etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	6070.5
520	ELEC-2.12.50	Supply of 8 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	7780.5
521	ELEC-2.12.51	Supply of 12 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for 12 Nos T.P. out goings etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	4189.5
522	ELEC-2.12.52	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	5301
523	ELEC-2.12.53	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. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S.	581.4
524	ELEC-2.12.54	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard .	1090.125
525	ELEC-2.12.55	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	1513.35

526	ELEC-2.12.56	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	1881
527	ELEC-2.12.57	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	1410.75
528	ELEC-2.12.58	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	1624.5
529	ELEC-2.12.59	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	1881
530	ELEC-2.12.60	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	2394
531	ELEC-2.12.61	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	2308.5
532	ELEC-2.12.62	Supply of 6 Way VTPN DB suitable for accommodating 4 pole	2992.5
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	

533	ELEC-2.12.63	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	4018.5
534	ELEC-2.12.64	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	2308.5
535	ELEC-2.12.65	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	4018.5
536	ELEC-2.12.66	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. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	5386.5
537	ELEC-2.12.67	Supply of 20A SP Plug and Socket in SS enclosure. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	504.45
538	ELEC-2.12.68	Supply of 20A TP Plug and Socket in SS enclosure. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	790.875
539	ELEC-2.12.69	Supply of 32A TP Plug and Socket in SS enclosure. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.	1111.5
540	ELEC-2.12.70	Supply of SP Enclosure with IP 20 Protection. Makes: Legrand / Schneider.	213.75
541	ELEC-2.12.71	Supply of DP/TP/FP Metal Enclosure with IP 20 Protection. Makes: Legrand / Schneider.	312.93
		SECTION - 3	
	3.1	STREET LIGHT LUMINAIRES	
542	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 Electronic ballast and all standard accessories etc. Makes: Wipro / G.E. / Phillips / Crompton.	1197
543	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 Electronic ballast and all standard accessories etc. Makes: Bajaj / HPL / Surya / Havells	1111.5

544	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 Electronic ballast and all standard accessories etc. Makes: Elton / Mahita Electro / Capart / RK.	940.5
545	ELEC-3.1.4	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. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya.	2791.575
546	ELEC-3.1.5	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. Makes: HPL / Venture / Halonix.	2601.765
547	ELEC-3.1.6	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. Makes: Mahita Electro / Capart / RK.	2258.91
548	ELEC-3.1.7	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. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya.	4327.155
549	ELEC-3.1.8	Supply of 150W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection	3815.865
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		with all standard accessories etc. Makes: HPL / Venture / Halonix.	
550	ELEC-3.1.9	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. Makes: Mahita Electro / Capart / RK.	3588.435
551	ELEC-3.1.10	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. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya.	4970.115
552	ELEC-3.1.11	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. Makes: HPL / Venture / Halonix.	4541.76

553	ELEC-3.1.12	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. Makes: Mahita Electro / Capart / RK.	3915.045
554	ELEC-3.1.13	Supply of 150W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surva.	4366.485
555	ELEC-3.1.14	Supply of 150W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc. Makes: HPL / Venture	3701.295
556	ELEC-3.1.15	Supply of 150W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP66 protection with all standard accessories etc. Makes: Mahita Electro / Capart / RK.	3045.51
557	ELEC-3.1.16	Supply of 250W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 / IP66 protection with all standard accessories etc. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya.	5381.37
558	ELEC-3.1.17	Supply of 250W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 / IP66 protection with all standard accessories etc. Makes: HPL / Venture	4949.595
559	ELEC-3.1.18	Supply of 250W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 / IP66 protection with all standard accessories etc. Makes: Mahita Electro / Capart / RK.	4670.01
560	ELEC-3.1.19	Supply of 400W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 / IP66 protection with all standard accessories etc. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya.	5718.24
561	ELEC-3.1.20	Supply of 400W MH Flood light luminaire with integral weather proof diecast alluminium housing with IP65 / IP66 protection with all standard accessories etc. Makes: HPL / Venture	5089.815

562	ELEC-3.1.21	Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surva.	5802.03
563	ELEC-3.1.22	Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: HPL / Venture	5231.745
564	ELEC-3.1.23	Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp of Makes: Mahita Electro / Capart / RK.	4670.01
565	ELEC-3.1.24	Supply of 2 x 250W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp . Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells.	11204.775
566	ELEC-3.1.25	Supply of 2 x 250W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp of Makes: HPL / Surva / Venture	10109.52
567	ELEC-3.1.26	Supply of 400W MH Flood light luminaire with Non - integral weather	6474.915
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells.	
568	ELEC-3.1.27	Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: HPL / Surya / Venture.	5638.725
569	ELEC-3.1.28	Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: Mahita Electro / Capart / RK.	4929.93
570	ELEC-3.1.29	Supply of 2 x 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells.	12630.06

571	ELEC-3.1.30	Supply of 2 x 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: HPL / Surya / Venture	11076.525
572	ELEC-3.1.31	Supply of 500W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells.	607.905
573	ELEC-3.1.32	Supply of 500W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories. Makes: HPL / Surya / Venture	543.78
574	ELEC-3.1.33	Supply of 500W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories. Makes: Mahita Electro / Capart / RK.	458.28
575	ELEC-3.1.34	Supply of 1000W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells.	1425.285
576	ELEC-3.1.35	Supply of 1000W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories. Makes: HPL / Surya / Venture	1158.525
577	ELEC-3.1.36	Supply of 1000W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories. Makes: Mahita Electro / Capart / RK.	915.705
578	ELEC-3.1.37	Supply of 2x 26W CFL well glass, medium bay luminaire with prismatic suspended built in Electronic ballast polycarbonate refractor. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells.	3078
579	ELEC-3.1.38	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. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells.	1923.75
	3.2	POST TOP LANTERN LUMINAIRES	0
580	ELEC-3.2.1	Supply of 1 x 18W CFL integral post top luminaire with conical shape, opal clear acrylic diffuser with cast alluminium pole mounting capsule complete with all accessories and ballast. Makes: Crompton / Baijai / Surya / Havells / HPL.	1571.49

581	ELEC-3.2.2	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. Makes: Wipro / Phillips / Bajaj / Crompton / Surya / HPL / Havells.	3267.81
		ACCESSORIES FOR MV / SV / MH LUMINAIRES	
	3.3	COPPER BALLASTS	
582	ELEC-3.3.1	Supply of 80W MV copper ballast. Makes: G.E. / Phillips / Crompton / Bajaj / Surya / Havells / Venture	545.49
583	ELEC-3.3.2	Supply of 80W MV copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro.	495.045
584	ELEC-3.3.3	Supply of 125W MV copper ballast. Makes: G.E. / Phillips / Crompton / Bajaj / Surya / Havells / Venture	595.935
585	ELEC-3.3.4	Supply of 125W MV copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro.	501.885
586	ELEC-3.3.5	Supply of 70 W SV / MH copper ballast. Makes: Wipro / G.E. / Phillips.	581.4
587	ELEC-3.3.6	Supply of 70 W SV / MH copper ballast.	495.045
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture	
588	ELEC-3.3.7	Supply of 70 W SV / MH copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro.	472.815
589	ELEC-3.3.8	Supply of 150 W SV / MH copper ballast. Makes: Wipro / G.E. / Phillips.	909.72
590	ELEC-3.3.9	Supply of 150 W SV / MH copper ballast. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture	772.92
591	ELEC-3.3.10	Supply of 150 W SV / MH copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro.	694.26
592	ELEC-3.3.11	Supply of 250 W SV / MH copper ballast. Makes: Wipro / G.E. / Phillips.	1309.005
593	ELEC-3.3.12	Supply of 250 W SV / MH copper ballast. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture	1098.675
594	ELEC-3.3.13	Supply of 250 W SV / MH copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro.	941.355
595	ELEC-3.3.14	Supply of 400 W SV / MH copper ballast. Makes: Wipro / G.E. / Phillips.	1890.405

596	ELEC-3.3.15	Supply of 400 W SV / MH copper ballast. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture	1607.4
597	ELEC-3.3.16	Supply of 400 W SV / MH copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro.	1304.73
598	ELEC-3.3.17	Supply of Ignitor for SV / MH Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Surya / HPL / Havells / Venture / Capart	138.51
599	ELEC-3.3.18	Supply of 4 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	102.6
600	ELEC-3.3.19	Supply of 10 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	171
601	ELEC-3.3.20	Supply of 15 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	205.2
602	ELEC-3.3.21	Supply of 20 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	273.6
603	ELEC-3.3.22	Supply of 33 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	421.515
604	ELEC-3.3.23	Supply of 42 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	470.25
		ENEGRY SAVING ELECTRONIC BALLAST FOR STREET LIGHT	0
605	ELEC-3.3.24	Supply of 70W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee. Makes: Phillips / Whipro / Trinic / GE.	2094.75
606	ELEC-3.3.25	Supply of 150W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee. Makes: Phillips / Whipro / Trinic / GE.	2864.25
607	ELEC-3.3.26	Supply of 250W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee. Makes: Phillips / Whipro / Trinic / GE.	3591
608	ELEC-3.3.27	Supply of 400W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee. Makes: Phillips / Whipro / Trinic / GE.	4617
	3.4	LAMPS	
609	ELEC-3.4.1	Supply of 500W Hallozen Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	73.53
610	ELEC-3.4.2	Supply of 500W Hallozen Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Anchor	58.14

611	ELEC-3.4.3	Supply of 500W Hallozen Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	43.605
612	ELEC-3.4.4	Supply of 1000W Hallozen Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	88.92
613	ELEC-3.4.5	Supply of 1000W Hallozen Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Anchor.	72.675
614	ELEC-3.4.6	Supply of 1000W Hallozen Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	61.56
615	ELEC-3.4.7	Supply of 70W SV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	338.58
616	ELEC-3.4.8	Supply of 70W SV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	269.325
617	ELEC-3.4.9	Supply of 70W SV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	222.3
618	ELEC-3.4.10	Supply of 150W SV Lamp with ISI mark.	424.935
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: Wipro / G.E. / Phillips / Osram.	
619	ELEC-3.4.11	Supply of 150W SV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	333.45
620	ELEC-3.4.12	Supply of 150W SV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	282.15
621	ELEC-3.4.13	Supply of 250W SV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	460.845
622	ELEC-3.4.14	Supply of 250W SV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	369.36
623	ELEC-3.4.15	Supply of 250W SV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	319.77
624	ELEC-3.4.16	Supply of 400W SV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	538.65
625	ELEC-3.4.17	Supply of 400W SV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	478.8
626	ELEC-3.4.18	Supply of 400W SV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	400.14
627	ELEC-3.4.19	Supply of 70W double end MH Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	465.12
628	ELEC-3.4.20	Supply of 70W double end MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	446.31

629	ELEC-3.4.21	Supply of 70W double end MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	384.75
630	ELEC-3.4.22	Supply of 150W double end MH Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	654.075
631	ELEC-3.4.23	Supply of 150W double end MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	581.4
632	ELEC-3.4.24	Supply of 150W double end MH Lamp with ISI mark Makes: Style Lamp / Mahita Electro / Capart	513
633	ELEC-3.4.25	Supply of 70W MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	684.855
634	ELEC-3.4.26	Supply of 70W MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	617.31
635	ELEC-3.4.27	Supply of 150W MH Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	719.055
636	ELEC-3.4.28	Supply of 150W MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	689.985
637	ELEC-3.4.29	Supply of 150W MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	615.6
638	ELEC-3.4.30	Supply of 250W MH Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	865.26
639	ELEC-3.4.31	Supply of 250W MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	769.5
640	ELEC-3.4.32	Supply of 250W MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	705.375
641	ELEC-3.4.33	Supply of 400W MH Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	987.525
642	ELEC-3.4.34	Supply of 400W MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	929.385
643	ELEC-3.4.35	Supply of 400W MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	778.05
644	ELEC-3.4.36	Supply of 80W MV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	153.9
645	ELEC-3.4.37	Supply of 80W MV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	136.8
646	ELEC-3.4.38	Supply of 80W MV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	119.7
647	ELEC-3.4.39	Supply of 125W MV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	162.45

648	ELEC-3.4.40	Supply of 125W MV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	145.35
649	ELEC-3.4.41	Supply of 125W MV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	128.25
650	ELEC-3.4.42	Supply of 250W MV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	384.75
651	ELEC-3.4.43	Supply of 250W MV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	359.1
652	ELEC-3.4.44	Supply of 250W MV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	342
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
653	ELEC-3.4.45	Supply of 400W MV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram.	492.48
654	ELEC-3.4.46	Supply of 400W MV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor	477.09
655	ELEC-3.4.47	Supply of 400W MV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart	436.05
	3.5	AUTOMATIC STREET LIGHT CONTROL SYSTEMS	
656	ELEC-3.5.1	Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 3 KW of single phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent.	9056.85
657	ELEC-3.5.2	Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC, 50 HZ with suitable SMC enclosure of IP 54 protection, with suitable MCBs and contactor suitable to control the load of 5 KW of single phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent.	9502.35
658	ELEC-3.5.3	Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 8 KW of single phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent	10840.5

659	ELEC-3.5.4	Supply of Automatic Street Light Control System with Optical Sensor, Low voltage / High voltage trip and reset, operating voltage 150 - 280V AC per Phase, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 5 KW of Three phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent.	10840.5
660	ELEC-3.5.5	Supply of Automatic Street Light Control System with Optical Sensor, Low voltage / High voltage trip and reset, operating voltage 150 - 280V AC per Phase, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 8 KW of Three phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent.	11732.325
661	ELEC-3.5.6	Supply of Automatic Street Light Control System with Optical Sensor, Low voltage / High voltage trip and reset, operating voltage 150 - 280V AC per Phase, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 12 KW of Three phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent.	14871.45
	3.6	INTERNAL LUMINAIRES	0
662	ELEC-3.6.1	Supply of 1 x 11W Mirror light with all standard accessories diffuser. Makes: G.E. / Phillips / Crompton / Bajaj.	579.69
663	ELEC-3.6.2	Supply of 1 x 11W Mirror light with all standard accessories diffuser. Makes: Surya / Havells / HPL / Fortune Art	494.19
664	ELEC-3.6.3	Supply of 1 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with VPIT Chokes and all standard accessories. Makes: Crompton / Bajaj / Surya / Havells / HPL.	512.145
665	ELEC-3.6.4	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. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	695.115
666	ELEC-3.6.5	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. Makes: Surya / Havells / HPL / Fortune Art	654.93

667	ELEC-3.6.6	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. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	1044.81
668	ELEC-3.6.7	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.	1002.915
		Makes: Surya / Havells / HPL / Fortune Art	
669	ELEC-3.6.8	Supply of 1 x 36/40W Patty type tube light luminaire powder coated CRCA sheet steel housing with Copper Chokes and all standard accessories. Makes: Crompton / Bajaj / Surya / Havells / HPL.	233.415
670	ELEC-3.6.9	Supply of 1 x 36/40W Patty type tube light luminaire powder coated CRCA sheet steel housing with Copper Chokes and all standard accessories. Makes: RK / Million / Gold Medal / Vimal / Akhil.	197.505
671	ELEC-3.6.10	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. Makes: Wipro / G.E. / Phillips / Crompton.	2217.87
672	ELEC-3.6.11	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. Makes: Bajaj / Surya / HPL / Havells.	2025.495
673	ELEC-3.6.12	Supply of 2 x 36W CFL Paralite louvre (P5) Surface / Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	3065.175
674	ELEC-3.6.13	Supply of 2 x 36W CFL Paralite louvre (P5) Surface / Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst. Makes: Surya / Havells / HPL	2575.26
675	ELEC-3.6.14	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	2724.885
676	ELEC-3.6.15	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst. Makes: Surya / Havells / Trinic / HPL	2232.405

677	ELEC-3.6.16	Supply of 1 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	690.84
678	ELEC-3.6.17	Supply of 1 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast. Makes: Surva / Havells / HPL / Fortune Art.	583.11
679	ELEC-3.6.18	Supply of 2 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	820.8
680	ELEC-3.6.19	Supply of 2 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast. Makes: Surya / Havells / HPL / Fortune Art.	778.05
681	ELEC-3.6.20	Supply of 1 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	883.215
682	ELEC-3.6.21	Supply of 1 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast. Makes: Surva / Havells / HPL / Fortune Art.	795.15
683	ELEC-3.6.22	Supply of 2 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	1132.875
684	ELEC-3.6.23	Supply of 2 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast. Makes: Surya / Havells / HPL / Fortune Art.	1036.26
685	ELEC-3.6.24	Supply of Recessed mounting 12V 50W adjustable Halozen down light with white colour gold shade including transformer. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	633.555
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	

686	ELEC-3.6.25	Supply of Recessed mounting 12V 50W adjustable Halozen down light with white colour gold shade including transformer. Make Surya / Havells / HPL / Fortune Art.	570.285
687	ELEC-3.6.26	Supply of Recessed mounting 12V 50W zoom type Halozen down light with white colour gold shade including transformer. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	836.19
688	ELEC-3.6.27	Supply of Recessed mounting 12V 50W zoom type Halozen down light with white colour gold shade including transformer. Makes: Surya / Havells.	750.69
689	ELEC-3.6.28	Supply of 9/13W VPIT Ballast for CFL with ISI mark. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	119.7
690	ELEC-3.6.29	Supply of 9/13W VPIT Ballast for CFL with ISI mark. Makes: Surya / Havells / HPL / Fortune Art.	107.73
691	ELEC-3.6.30	Supply of 9/13W VPIT Ballast for CFL with ISI mark. Makes: RK / Style Lamp / Mahita Electro / Capart	94.05
692	ELEC-3.6.31	Supply of 18W VPIT Ballast for CFL with ISI mark. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	119.7
693	ELEC-3.6.32	Supply of 18W VPIT Ballast for CFL with ISI mark. Makes: Surya / Havells / HPL / Fortune Art.	102.6
694	ELEC-3.6.33	Supply of 18W VPIT Ballast for CFL with ISI mark. Makes: RK / Style Lamp / Mahita Electro / Capart	94.05
695	ELEC-3.6.34	Supply of 20W Copper Wound Ballast Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	138.51
696	ELEC-3.6.35	Supply of 20W Copper Wound Ballast. Makes: Surya / Havells / HPL / Fortune Art	123.12
697	ELEC-3.6.36	Supply of 20W Copper Wound Ballast . Makes: RK / Style Lamp / Akhil / Capart / Million / Gold Medal / Vimal.	112.005
698	ELEC-3.6.37	Supply of 40W Copper Wound Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	138.51
699	ELEC-3.6.38	Supply of 40W Copper Wound Ballast. Makes: Surya / Havells / HPL / Fortune Art	123.12
700	ELEC-3.6.39	Supply of 40W Copper Wound Ballast . Makes: RK / Style Lamp / Akhil / Capart / Million / Gold Medal / Vimal.	111.15
701	ELEC-3.6.40	Supply of 18/20W VPIT Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	138.51
702	ELEC-3.6.41	Supply of 18/20W VPIT Ballast. Makes: Surya / Havells / HPL / Fortune Art	123.12

703	ELEC-3.6.42	Supply of 18/20W VPIT Ballast. Makes: RK / Style Lamp / Mahita Electro / Capart	123.975
704	ELEC-3.6.43	Supply of 36/40W VPIT Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	179.55
705	ELEC-3.6.44	Supply of 36/40W VPIT Ballast. Makes: Surya / Havells / HPL / Fortune Art	153.9
706	ELEC-3.6.45	Supply of 36/40W VPIT Ballast. Makes: RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	145.35
707	ELEC-3.6.46	Supply of 40W Starter. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	9.405
708	ELEC-3.6.47	Supply of 40W Starter. Makes: Surya / Havells / HPL / Fortune Art	7.695
709	ELEC-3.6.48	Supply of 40W Starter. Makes: RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	6.84
710	ELEC-3.6.49	Supply of Rotor holder(FTL). Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	17.955
711	ELEC-3.6.50	Supply of Rotor holder(FTL) Makes: Surya / Havells / HPL / Fortune Art	16.245
712	ELEC-3.6.51	Supply of Rotor holder(FTL) . Makes: RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	14.535
713	ELEC-3.6.52	Supply of HID Lamp holder. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	45.315
714	ELEC-3.6.53	Supply of HID Lamp holder. Makes: Surya / Havells / HPL / Fortune Art	41.04
715	ELEC-3.6.54	Supply of HID Lamp holder. Makes: RK / Style Lamp / Mahita Electro / Capart	35.91
716	ELEC-3.6.55	Supply of CFL holder. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	27.36
717	ELEC-3.6.56	Supply of CFL holder.	23.085
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: Surya / Havells / HPL / Fortune Art	
718	ELEC-3.6.57	Supply of CFL holder. Makes: RK / Style Lamp / Mahita Electro / Capart	21.375

719	ELEC-3.6.58	Supply of FTL Starter holder. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	12.825
720	ELEC-3.6.59	Supply of FTL Starter holder. Makes: Surya / Havells.	11.115
721	ELEC-3.6.60	Supply of FTL Starter holder. Makes: RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal.	10.26
722	ELEC-3.6.61	Supply of 36W Electronic Ballast with total harmonic distortion is less than 10% for FTL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj.	562.59
723	ELEC-3.6.62	Supply of 36W Electronic Ballast with total harmonic distortion is less than 10% for FTL. Makes: Surya / HPL / Havells.	498.465
724	ELEC-3.6.63	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 LHBF 27904025 or its equivalent.	235.125
725	ELEC-3.6.64	Supply of 2 x 36/40W Industrial Box type tube light luminaire powder coated CRCA sheet steel housing with Reflector and Electronic ballast and all standard accessories. Makes: Crompton / Bajaj / Surya / HPL / Havells.	1380.825
726	ELEC-3.6.65	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.seren-TBS 869 / Bajaj Model No.BTMRA 414 CAT II/Crompton Model No.CRTL414EB/S.	3677.355
727	ELEC-3.6.66	Supply of 1 x 28W surface pendent mounting T5 Luminaire Box type with CRCA housing with Electronic Ballast and all standard accessories. Makes: Phillips / Crompton / Bajaj / Surya / Havells.	731.025
728	ELEC-3.6.67	Supply of 1 x 28W surface pendent mounting T5 Luminaire plastic housing with integrated reflector extruded aluminium luminaire with Electronic Ballast and all standard accessories. Makes: Phillips / Crompton / Bajaj / Surya / Havells.	467.685
	3.7	FLOURSCENT TUBES / CFL LAMPS / LED BULBS	
729	ELEC-3.7.1	Supply of 40W-60W Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Surya / Havells / Anchor.	10.26
730	ELEC-3.7.2	Supply of 40W-60W Lamp. Makes: Elton / Style Lamp / Mahita Electro / Capart	8.55

731	ELEC-3.7.3	Supply of Night Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	9.405
732	ELEC-3.7.4	Supply of 18/20W fluorescent tube. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	35.055
733	ELEC-3.7.5	Supply of 18/20W fluorescent tube . Makes: Surya / HPL / Fortune Art	33.345
734	ELEC-3.7.6	Supply of 18/20W fluorescent tube. Makes: Style tube / Mahita Electro / Capart	32.49
735	ELEC-3.7.7	Supply of 36/40W fluorescent tube. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	38.475
736	ELEC-3.7.8	Supply of 36/40W fluorescent tube. Makes: Surya / HPL / Fortune Art	34.2
737	ELEC-3.7.9	Supply of 36/40W fluorescent tube. Makes: Style tube / Mahita Electro / Capart	32.49
738	ELEC-3.7.10	Supply of 28W T5 fluorescent tube. Makes: Crompton / Bajaj / Phillips / Surya / Havells / Anchor	97.47
739	ELEC-3.7.11	Supply of 9W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	64.125
740	ELEC-3.7.12	Supply of 9W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix.	59.85
741	ELEC-3.7.13	Supply of 11W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	68.4
742	ELEC-3.7.14	Supply of 11W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix.	64.125
743	ELEC-3.7.15	Supply of 13W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	89.775
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	#VALUE!
1	2	3	4.275
744	ELEC-3.7.16	Supply of 13W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix.	85.5
745	ELEC-3.7.17	Supply of 18W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	98.325
746	ELEC-3.7.18	Supply of 18W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix.	94.05
747	ELEC-3.7.19	Supply of 26W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	136.8

748	ELEC-3.7.20	Supply of 26W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix.	128.25
749	ELEC-3.7.21	Supply of 36W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	115.425
750	ELEC-3.7.22	Supply of 36W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix.	111.15
751	ELEC-3.7.23	Supply of up to 5W Retrofit tiny CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	98.325
752	ELEC-3.7.24	Supply of up to 5W Retrofit tiny CFL. Makes: Surya / HPL / Fortune Art / Halonix.	94.05
753	ELEC-3.7.25	Supply of up to 8W Retrofit tiny CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	106.875
754	ELEC-3.7.26	Supply of up to 8W Retrofit tiny CFL . Makes: Surya / HPL / Fortune Art / Halonix.	102.6
755	ELEC-3.7.27	Supply of up to 10/11W Retrofit tiny CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	115.425
756	ELEC-3.7.28	Supply of up to 10/11W Retrofit tiny CFL. Makes: Surya / HPL / Fortune Art / Halonix.	111.15
757	ELEC-3.7.29	Supply of up to 13/14W Retrofit tiny CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	94.05
758	ELEC-3.7.30	Supply of up to 13/14W Retrofit tiny CFL. Makes: Surya / HPL / Fortune Art / Halonix.	85.5
759	ELEC-3.7.31	Supply of 15W Retrofit tiny CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	153.9
760	ELEC-3.7.32	Supply of 15W Retrofit tiny CFL . Makes: Surya / HPL / Fortune Art / Halonix.	128.25
761	ELEC-3.7.33	Supply of up to 18/20W Retrofit CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	145.35
762	ELEC-3.7.34	Supply of up to 18/20W Retrofit CFL. Makes: Surya / HPL / Fortune Art / Halonix.	128.25
763	ELEC-3.7.35	Supply of 23W Retrofit CFL . Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor	171
764	ELEC-3.7.36	Supply of 23/25W Retrofit CFL. Makes: Surya / HPL / Fortune Art / Halonix.	153.9

765	ELEC-3.7.37	Supply of up to 25/26W Retrofit CFL. Makes: Wipro / G.E. / Phillips / Crompton / Baja / Havells / Anchor	171
766	ELEC-3.7.38	Supply of up to 25/26W Retrofit CFL. Makes: Surya / HPL / Fortune Art / Halonix.	153.9
767	ELEC-3.7.39	Supply of 0.5W LED Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 40 Lumens. Makes: Phillips / OSRAM / GE / Crompton / Bajaj / Havells / Halonix / VIN / Jaquor	68.4
768	ELEC-3.7.40	Supply of 0.5W LED Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 40 Lumens. Makes: Syska / Pasolite / Fortune Art / Panasonic / Avni / ilite/ Glosun / HPL / Polycab	61.56
769	ELEC-3.7.41	Supply of 3.0W LED Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 210 Lumens. Makes: Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN / Halonix / Jaquor	239.4
770	ELEC-3.7.42	Supply of 3.0W LED Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 210 Lumens. Makes: Syska / Pasolite / Fortune Art / Panasonic / Avni / ilite/ Glosun / HPL / Polycab.	171
771	ELEC-3.7.43	Supply of 5.0W LED Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 350 Lumens. Makes: Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN / Halonix / Jaquor	290.7
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
772	ELEC-3.7.44	Supply of 5.0W LED Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 350 Lumens. Makes: Syska / Pasolite / Fortune Art / Panasonic / Avni / ilite/ Glosun / HPL / Pharox / Polycab.	213.75
773	ELEC-3.7.45	Supply of 7.0W LED Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 490 Lumens. Makes: Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN / Halonix / Jaquor	338.58

774	ELEC-3.7.46	Supply of 7.0W LED Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 490 Lumens. Makes: Syska / Pasolite / Fortune Art / Panasonic / Avni / ilite/ Glosun / HPL / Pharox / Polycab .	256.5
775	ELEC-3.7.47	Supply of LED Candel Lamp for shandliers. Makes: Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN / Halonix / Jaquor	272.745
776	ELEC-3.7.48	Supply of LED Candel Lamp for shandliers. Makes: Syska / Pasolite / Fortune Art / Panasonic / Avni / ilite/ Glosun / HPL / GM.	213.75
	3.8	ENERGY CONSERVING FIXTURES	
777	ELEC-3.8.1	Supply of 1 x 28W Patty type powder coated energy conserving tube light luminaire with Electronic ballast operating voltage range of 90 volts to 350 volts power factor > 0.98 current less than 130ma crest factor and total harmonic distortion shall be as per IS Specification with auto cut off at high voltage suitable for 36/40W tube with 5 years guarantee for luminaire. Makes: Trinic or its equivalent.	950
778	ELEC-3.8.2	Supply of 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 with 5 years guarantee for luminaire. Makes: Trinic or its equivalent.	1060
779	ELEC-3.8.3	Supply of 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 with 5 years guarantee for luminaire. Makes: Trinic or its equivalent.	3895
780	ELEC-3.8.4	Supply of 28 W Electronic Ballast with less than 10% total harmonic distortion and auto cut off at High Voltage suitable for FTL with 5 years guarantee for luminaire. Makes: Trinic or its equivalent.	800
	3.9	LED LUMINAIRES INDOOR	0

781	ELEC-3.9.1	Supply and Transportation of 3W Down lighter with system lumens of 240lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15% with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton /Bajaj / Havells / VIN / . b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	629.6
782	ELEC-3.9.2	Supply and Transportation of 3W Down lighter with system lumens of 240lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV,THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Surya / KRIPA Lights / Fortune Art / Capart / Semtronics / Syska / Halonix / HPL / Pharox / GM b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	472.2
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	#VALUE!
1	2	3	3.935
783	ELEC-3.9.3	Supply and Transportation of 3W Down lighter with system lumens of 240lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV,THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Procorp / Scintilla / ilite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	424.98

784	ELEC-3.9.4	Supply and Transportation of 6W Down lighter with system lumens of 480lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	963.288
785	ELEC-3.9.5	Supply and Transportation of 6W Down lighter with system lumens of 480lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Surya / KRIPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / HPL / Pharox / GM / / Polycab. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	771.26
786	ELEC-3.9.6	Supply and Transportation of 6W Down lighter with system lumens of 480lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Procorp / Scintilla / R-LED / ilite b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	692.56
787	ELEC-3.9.7	Supply and Transportation of 9W Down lighter with system lumens of 720lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV,THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	1304.059

788	ELEC-3.9.8	Supply and Transportation of 9W Down lighter with system lumens of 720lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV,THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Surya / KRIPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / Trinic / HPL / Pharox / GM / Polycab. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	1032.544
789	ELEC-3.9.9	Supply and Transportation of 9W Down lighter with system lumens of 720lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV,THD<15%, with high power LED's having efficacy of	928.66
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	#VALUE!
1	2	3	3.935
		> 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Procorp / Scintilla / R-LED / ilite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	0
790	ELEC-3.9.10	Supply and Transportation of 12W Down lighter with system lumens of 1050lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	1793.573

791	ELEC-3.9.11	Supply and Transportation of 12W Down lighter with system lumens of 1050lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete with 3 years warranty. a) LUMINAIRE MAKE : Surya / KRIPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / HPL / Pharox / Polycab b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	1473.264
792	ELEC-3.9.12	Supply and Transportation of 12W Down lighter with system lumens of 1050lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete with 3 years warranty. a) LUMINAIRE MAKE : Procorp / Scintilla / ilite b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	1322.16
793	ELEC-3.9.13	Supply and Transportation of 18W Down lighter with system lumens of 1580lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV,THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG	2142.214

794	ELEC-3.9.14	Supply and Transportation of 18W Down lighter with system lumens of 1580lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV,THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Bajaj / Havells / VIN / Surya / Capart / Fortune Art / Halonix / HPL / Pharox / Polycab. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	1548.816
795	ELEC-3.9.15	Supply and transportation of 16W/20W, 1600/2000 lumens, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes: Phillips / GE / Crompton / Bajaj / VIN	1218.276
796	ELEC-3.9.16	Supply and transportation of 16W/20W, 1600/2000 lumens, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete	990.046
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: Surya / KRIPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / HPL / Pharox.	0
797	ELEC-3.9.17	Supply and transportation of 16W/20W, 1600/2000 lumens, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes: Procor / Scintilla / B-LED / ilite	889.31

798	ELEC-3.9.18	Supply and transportation of 16W/20W, 1600/2000 lumens, ,1200mm length LED batten light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete. Makes: Phillips / GE / Crompton / Baiai / VIN.	1466.181
799	ELEC-3.9.19	Supply and transportation of 16W/20W, 1600/2000 lumens, ,1200mm length LED batten light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete . Makes: Surya / KRIPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / HPL / Tronic / Pharex	1133.28
800	ELEC-3.9.20	Supply and transportation of 16W/20W, 1600/2000 lumens, ,1200mm length LED batten light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete . Makes: Procorp / Scintilla / R-LED / ilite.	1023.1
801	ELEC-3.9.21	Supply and Transportation of 36W Recessed / Surface mounting 2' x 2' LED luminaire made of CRCA sheet housing with powder coated with acrylic diffuser, Constant current Driver, With System lumen output ≥3200lm operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<10%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc.,, complete. a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	4958.1

802	ELEC-3.9.22	Supply and Transportation of 36W Recessed / Surface mounting 2' x 2' LED luminaire made of CRCA sheet housing with powder coated with acrylic diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LEDs having efficacy of > 120 lumens/watt, junction temperature less than 85 degrees centigrade and THD is less than 12% etc., complete Makes: Surya / KRIPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / HPL / Trinic / Pharox / Polycab. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG	4098.696
803	ELEC-3.9.23	Supply and Transportation of 36W Recessed / Surface mounting 2' x 2' LED luminaire made of CRCA sheet housing with powder coated with acrylic diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LEDs having efficacy of > 120 lumens/watt, junction temperature less than 85 degrees centigrade and THD is less than 12% etc., complete Makes: Procorp / Scintilla / ilite b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG	3691.03
		LED DRIVERS	0
804	ELEC-3.9.24	Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection more than 2.5 KV, IP20, suitable for 6 / 9 W LED down lighter with 2 Years Warranty.	196.75
805	ELEC-3.9.25	Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection more than 2.5 KV, IP20,	295.125
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		suitable for 12 / 18 W LED down lighter with 2 Years Warranty.	
806	ELEC-3.9.26	Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection more than 2.5 KV, IP20, suitable for 36W, 2'x2' panel light with 2 Years Warranty.	456.46
807	ELEC-3.9.27	FLOOD LIGHTS	550.9

808	ELEC-3.9.28	Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection of 4.0 KV, IP20, suitable for 15-30W, LED street light fitting with 2 Years Warranty.	330.54
809	ELEC-3.9.29	Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection of 4.0 KV, IP20, suitable for 45-80W, LED street light fitting with 2 Years Warranty.	700.43
810	ELEC-3.9.30	Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection of 4.0 KV, IP20, suitable for 90-180W, LED street light fitting with 2 Years Warranty.	1337.9
		LED STREET LIGHTS	
		Supply and transportation of LED Street light Luminaire made of pressure diecast aluminium body with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingrees protection IP65, Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution Type II medium, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	0
811	ELEC-3.9.31	20W / 25W	4843.198
812	ELEC-3.9.32	30W	7374.19
813	ELEC-3.9.33	60W	10231
814	ELEC-3.9.34	90W	15493.669
815	ELEC-3.9.35	120W	19087.111
816	ELEC-3.9.36	180W	26222.84

		Supply and transportation of LED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingrees protection IP65, Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution Type II medium, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete, a) LUMINAIRE Makes: Surya / Fortune Art / Syska / Capart/ Anchor Panasonic / Venture / Avni / Halonix / HPL / Pharox / Havells / Polycab. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	
817	ELEC-3.9.37	20W	3682.373
818	ELEC-3.9.38	30W	4833.754
819	ELEC-3.9.39	60W	6982.264
820	ELEC-3.9.40	90W	11100.635
821	ELEC-3.9.41	120W	14315.53
822	ELEC-3.9.42	180W	19667.13
		Supply and transportation of LED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingrees protection IP65, Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution Type II medium, THD<10% at 110 Volts AC, driver efficiency >90%, w, CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE Makes: KRIPA Lights / SEMTRONICS / Pasolite / Cosmo / VRILISO / Stanjo / Glosun / Trinic / Procorp / Scintilla / R-LED / ilite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA /	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	#VALUE!
1	2	3	3.935
		OSRAM / SAMSUNG.	0
823	ELEC-3.9.43	20W	2990.6
824	ELEC-3.9.44	30W	3935
825	ELEC-3.9.45	60W	5509
826	ELEC-3.9.46	90W	7870
		<u>FLOOD LIGHTS</u>	

		Supply and transportation of LED Flood light Luminaire made of pressure diecast aluminium housing with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumens/watt, System efficacy >95lm/W and junction temperature < 70°C, with Ingress protection IP65, IK05, Driver surge protection 4KV, external Surge protection ≥ 5KV with wide/ Narrow beam optics, THD<10% at 110 Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	
827	ELEC-3.9.47	90W	16920.5
828	ELEC-3.9.48	120W	19234.28
829	ELEC-3.9.49	135W	21024.705
830	ELEC-3.9.50	200W	37240.84
		Supply and transportation of LED Flood light Luminaire made of pressure diecast aluminium housing 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 120 lumens/watt and junction temperature < 85 degree centegrade of IP 65 with optics, total harmonic distortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete a) LUMINAIRE Makes: Surya / Fortune Art / Syska / Capart/ Anchor Panasonic / Venture / Avni / Halonix / HPL / Pharox / Havells. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	
831	ELEC-3.9.51	90W	12989.435
832	ELEC-3.9.52	120W	14795.6
833	ELEC-3.9.53	135W	16172.85
834	ELEC-3.9.54	200W	28646.8

		Supply and transportation of LED Flood light Luminaire made of pressure diecast alluminium housing with powder coated,having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingrees protection IP65, IK05, Driver surge protection 4KV, external Surge protection ≥ 5KV with wide/ Narrow beam optics, THD<10% at 110 Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE Makes: Pasolite / Cosmo / Stanjo / Glosun / Procorp / Scintilla / R-LED / ilite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM /	
835	ELEC-3.9.55	30W	4722
836	ELEC-3.9.56	50W	6705.24
837	ELEC-3.9.57	70W	7145.96
838	ELEC-3.9.58	90W	10391.548
839	ELEC-3.9.59	120W	11836.48
	3.1	INDUCTION LUMINARIES	
		Supply and Transportation of Induction Type street light luminaire of following capacities comprises of single piece die cast Aluminium body and IP65 protection including Induction lamp and ballast etc., Complete. Makes: Cromoton/ Surva / Billion Light	
840	ELEC-3.10.1	40W	11978.55
841	ELEC-3.10.2	80W	13510.71
842	ELEC-3.10.3	120W	15311.34
		Supply and Transportation of Induction Type street light luminaire of following capacities comprises of single piece die cast Aluminium body and IP65 protection including Induction lamp and ballast etc., Complete.	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: LVD RAES /Bajaj / Fortune Art / Synergy Solutions.	
843	ELEC-3.10.6	40W	10415.61
844	ELEC-3.10.7	80W	11747.7
845	ELEC-3.10.8	120W	13314.06

		Supply and Transportation of Induction Type Flood light luminaire of following capacities comprises of single piece die cast Aluminium body and IP65 protection of including Induction lamp and ballast etc., Complete. Makes: Crompton/ Surya / Billion Light	
846	ELEC-3.10.9	40W	12853.215
847	ELEC-3.10.10	80W	14394.78
848	ELEC-3.10.11	120W	16203.96
849	ELEC-3.10.12	150W	17541.18
850	ELEC-3.10.13	200W	18878.4
		Supply and Transportation of Induction Type Flood light luminaire of following capacities comprises of single piece die cast Aluminium body and IP65 protection of including Induction lamp and ballast etc., Complete Makes: LVD RAES / Bajaj / Fortune Art / Synergy Solutions.	
851	ELEC-3.10.14	40W	11176.56
852	ELEC-3.10.15	80W	12517.2
853	ELEC-3.10.16	120W	14090.4
854	ELEC-3.10.17	150W	15253.2
855	ELEC-3.10.18	200W	16416
		Supply and Transportation of Induction Type suspended type decorative high bay luminaire with polycarbonate refractor, decorative integral die cast aluminium housing with heat shrinks including Induction lamp and ballast etc., Complete Makes: Crompton/ Surya / Billion Light.	
856	ELEC-3.10.19	80W	12192.3
857	ELEC-3.10.20	120W	13765.5
858	ELEC-3.10.21	150W	15338.7
		Supply and Transportation of Induction Type suspended type decorative high bay luminaire with polycarbonate refractor, decorative integral die cast aluminium housing with heat shrinks including Induction lamp and ballast etc., Complete with 5 years warranty. Makes: LVD RAES / Bajaj / Fortune Art / Synergy Solutions.	
859	ELEC-3.10.22	80W	10602
860	ELEC-3.10.23	120W	11970
861	ELEC-3.10.24	150W	13338
		SECTION - 4	
	4.1	U.G. CABLES	
862	ELEC-4.1.1	Supply of 4 Sqmm 2 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab.	75.9

863	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) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab	64.35
864	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). Makes: Kundancab / Delton / Payal / Gemscab.	61.05
865	ELEC-4.1.4	Supply of 6 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab.	89.1
866	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). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab	76.725
867	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). Makes: Kundancab / Delton / Payal / Gemscab.	71.775
868	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). Makes: Universal / CCI / Unicab.	106.425
869	ELEC-4.1.8	Supply of 10 Sqmm 2 Core XLPE insulated, 1100V grade armoured	92.4
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		alluminium cable as per specification confirming to IS:7098 (Part - I) . Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard / Fortune Art / Gloster/ Suncab / Finecab	
870	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) Makes: Kundancab / Delton / Payal / Gemscab.	85.8
871	ELEC-4.1.10	Supply of 6 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab.	107.25
872	ELEC-4.1.11	Supply of 6 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard / Fortune Art / Gloster/ Suncab / Finecab	92.4

873	ELEC-4.1.12	Supply of 6 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Kundancab / Delton / Payal / Gemscab.	85.8
874	ELEC-4.1.13	Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab.	121.275
875	ELEC-4.1.14	Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard / Fortune Art / Gloster/ Suncab / Finecab	105.6
876	ELEC-4.1.15	Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab.	97.35
877	ELEC-4.1.16	Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab.	133.65
878	ELEC-4.1.17	Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard / Fortune Art / Gloster/ Suncab / Finecab	115.5
879	ELEC-4.1.18	Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) of Makes: Kundancab / Delton / Payal / Gemscab.	108.075
880	ELEC-4.1.19	Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab.	170.775
881	ELEC-4.1.20	Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard / Fortune Art / Gloster/ Suncab / Finecab	148.5
882	ELEC-4.1.21	Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab.	136.95
883	ELEC-4.1.22	Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab.	203.775
884	ELEC-4.1.23	Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard / Fortune Art / Gloster/ Suncab / Finecab	174.9

885	ELEC-4.1.24	Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab.	162.525
886	ELEC-4.1.25	Supply of 50 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab.	268.95
887	ELEC-4.1.26	Supply of 50 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard / Fortune Art / Gloster/ Suncab / Finecab	231
888	ELEC-4.1.27	Supply of 50 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Kundancab / Delton / Payal / Gemscab.	215.325
889	ELEC-4.1.28	Supply of 70 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured	347.325
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		alluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab.	
890	ELEC-4.1.29	Supply of 70 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard / Fortune Art / Gloster/ Suncab / Finecab	299.475
891	ELEC-4.1.30	Supply of 70 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab.	278.025
892	ELEC-4.1.31	Supply of 95 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) . Makes: Universal / CCI / Unicab.	451.275
893	ELEC-4.1.32	Supply of 95 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) . Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard / Fortune Art / Gloster/ Suncab / Finecab	389.4
894	ELEC-4.1.33	Supply of 95 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) . Makes: Kundancab / Delton / Payal / Gemscab.	362.175

895	ELEC-4.1.34	Supply of 120 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab.	551.925
896	ELEC-4.1.35	Supply of 120 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab	477.675
897	ELEC-4.1.36	Supply of 120 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) . Makes: Kundancab / Delton / Payal / Gemscab.	443.025
898	ELEC-4.1.37	Supply of 150 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab.	628.65
899	ELEC-4.1.38	Supply of 150 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard	542.85
900	ELEC-4.1.39	Supply of 150 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) . Makes: Fortune Art / Gloster/ Suncab / Finecab / Kundancab / Delton / Payal / Gemscab	505.725
901	ELEC-4.1.40	Supply of 185 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab.	770.55
902	ELEC-4.1.41	Supply of 185 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard	664.95
903	ELEC-4.1.42	Supply of 240 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) . Makes: Universal / CCI / Unicab.	977.625

904	ELEC-4.1.43	Supply of 240 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard	843.975
905	ELEC-4.1.44	Supply of 300 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I)	1195.425
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: Universal / CCI / Unicab.	
906	ELEC-4.1.45	Supply of 300 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: KEI / RPG / Paragon / V-Guard	1032.075
907	ELEC-4.1.46	Supply of 400 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) . Makes: Universal / CCI / Unicab.	1497.375
908	ELEC-4.1.47	Supply of 400 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V- Guard	1293.6
		11 KV H.T. XLPE CABLES	
909	ELEC-4.1.48	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: Universal / CCI / Unicab.	497.475
910	ELEC-4.1.49	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: Universal / CCI / Unicab.	563.475
911	ELEC-4.1.50	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: Universal / CCI / Unicab.	673.2
912	ELEC-4.1.51	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: Universal / CCI / Unicab.	801.9
913	ELEC-4.1.52	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: Universal / CCI / Unicab.	910.8

914	ELEC-4.1.53	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: Universal / CCI / Unicab.	1029.6
915	ELEC-4.1.54	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: Universal / CCI / Unicab.	1216.875
	4.2	CABLE GLANDS	
916	ELEC-4.2.1	Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 185Sqmm with brass washers complete.	279.585
917	ELEC-4.2.2	Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 240Sqmm with brass washers complete.	419.805
918	ELEC-4.2.3	Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 300Sqmm with brass washers complete.	494.19
919	ELEC-4.2.4	Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 400Sqmm with brass washers complete.	559.17
920	ELEC-4.2.5	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.	80.37
921	ELEC-4.2.6	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.	117.99
922	ELEC-4.2.7	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.	225.72
	4.3	LUGS	
923	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	18.81
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		connections.	
924	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.	25.65
925	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.	28.215
926	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.	34.2

927	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.	47.025
928	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.	55.575
929	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.	75.24
930	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.	88.92
931	ELEC-4.3.9	Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 185 Sq.mm including nuts and bolts with connections.	127.395
932	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.	183.825
933	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.	242.82
934	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.	357.39
935	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.	10.26
936	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.	11.97
937	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.	14.535
938	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.	17.1
939	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.	21.375
940	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.	23.085
941	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.	29.925
942	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.	34.2

943	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.	39.33
944	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.	60.705
945	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.	78.66
946	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	101.745
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		connections.	
	4.4	HEAT SHRINKABLE LT CABLE JOINTS	
947	ELEC-4.4.1	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable of seamless type outer tubing with necessary accessories and suitable clamps including cost and conveyance of materials complete for 10 to 16 Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.	1111.5
948	ELEC-4.4.2	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable of seamless type outer tubing with necessary accessories and suitable clamps including cost and conveyance of materials complete for 25 to 50 Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang..	1320.975
949	ELEC-4.4.3	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable of seamless type outer tubing 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 / Transeal - Hongshang	1906.65
950	ELEC-4.4.4	Supply and erecting heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable of seamless type outer tubing 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 / Transeal - Hongshang	3420

951	ELEC-4.4.5	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable of seamless type outer tubing with necessary accessories and suitable clamps including cost and conveyance of materials complete for 400 Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang..	4638.375
		3 CORE 11 KV HT CABLE STRAIGHT THROUGH JOINTS	
952	ELEC-4.4.6	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade of seamless type outer tubing 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 / Transeal - Hongshang..	12884.85
953	ELEC-4.4.7	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade of seamless type outer tubing 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 / Transeal - Hongshang..	15471.225
954	ELEC-4.4.8	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade of seamless type outer tubing 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 / Transeal - Hongshang..	19680.39
		HT END TERMINATION KITS	
955	ELEC-4.4.9	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 70 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang..	7020.405
956	ELEC-4.4.10	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 120 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang..	7114.455

957	ELEC-4.4.11	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 150 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.	7630.875
958	ELEC-4.4.12	Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 70 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.	10646.46
959	ELEC-4.4.13	Providing and erecting heat shrinkable outdoor termination kit for	10740.51
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		11 KV XLPE HT cable 3 core 120 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.	
960	ELEC-4.4.14	Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 150 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.	11756.25
	4.5	DOUBLE WALLED CORRUGATED HDPE PIPE	
961	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.	80.025
962	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.	102.3
963	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.	125.4
964	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.	134.475

965	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.	209.55
966	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.	310.2
967	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.	407.55
968	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.	475.2
	4.6	CABLE TRAYS	0
969	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.	1111.5
970	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.	820.8
971	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.	722.475
972	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.	619.875
973	ELEC-4.6.5	Supply and Installation of 150mm 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.	342

974	ELEC-4.6.6	Supply and Installation of 150mm x 50mm 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.	171
975	ELEC-4.6.7	Supply and Installation of 300mm x 50mm 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.	256.5
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
976	ELEC-4.6.8	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.	470.25
		Note: Perforated cable trays provided without cover 30% may be deducted from above rates	
		SECTION - 5	
	5.1	FANS	
977	ELEC-5.1.1	Supply of 48" (1200mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings, power input not more than 50W , air delivery more than 200 cubic meter/min but without Regulator. Makes : Crompton / Orient	1368
978	ELEC-5.1.2	Supply of 48" (1200mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings, power input not more than 50W , air delivery more than 200 cubic meter/min but without Regulator. Makes : Bajaj / Usha / Havells	1325.25
979	ELEC-5.1.3	Supply of 48" (1200mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings, power input not more than 50W , air delivery more than 200 cubic meter/min but without Regulator. Makes : MIIT / Anchor	1282.5
980	ELEC-5.1.4	Supply of 48" (1200mm) Sweep , 5 Star rated Ceiling Fan, with double ball bearings , power input not more than 53W , air delivery more than 218 cubic meter/min and service value 4.11, but without Regulator. Makes: Crompton / Orient.	1598.85
981	ELEC-5.1.5	Supply of 48" (1200mm) Sweep , 5 Star rated Ceiling Fan, with double ball bearings , power input not more than 53W , air delivery more than 218 cubic meter/min and service value 4.11, but without Regulator. Makes: Bajaj / Usha / Havells / Anchor	1539

982	ELEC-5.1.6	Supply of 48" (1200mm) Sweep Ceiling Fan, with double ball bearings , power input not more than 74W , air delivery more than 230 cubic meter/min, but without Regulator. Makes: Crompton Aura / Orient Avalon / Havells Fusion	1906.65
983	ELEC-5.1.7	Supply of 56" (1400mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings but without Regulator. Makes: Crompton / Bajaj Kassels 50 / Usha atom	1432.125
984	ELEC-5.1.8	Supply of 56" (1400mm) Sweep 4/5 Star rated Ceiling Fan without Regulator Makes: Crompton / Bajaj Elegance Star / Usha / Havells.	1846.8
985	ELEC-5.1.9	Supply of 16" (400mm) Wall mounted Fan. Makes: Crompton SDX Gold / Bajaj Elite / Havells Swing Premia gold / Usha / Orient Wall 43.	2010.96
986	ELEC-5.1.10	Supply of 16" (400mm) Pedestal Fan. Makes: Crompton SDX Gold / Bajaj Spectrum / Havells Swing Remote / Usha / Orient.	2320.47
987	ELEC-5.1.11	Supply of 18" (450mm) Wall mounting / Pedestal Air Circulators. Makes: Crompton / Havells Turbo Force / Orient / Almounard.	5130
988	ELEC-5.1.12	Supply of 24" (600mm) Wall mounting / Pedestal Air Circulators. Makes: Crompton / Havells Turbo Force / Almounard.	5643
989	ELEC-5.1.13	Supply of 12" (300mm) Cabin fan. Makes: Crompton / Havells ciera / Orient AP12.	1325.25
990	ELEC-5.1.14	Supply of 12" (300mm) Light duty exhaust fan with wire guard etc complete. Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DB / Orient hill air / MIIT.	1154.25
991	ELEC-5.1.15	Supply of 9" (225mm), Light duty exhaust fan with double ball bearing and wire guard etc complete. Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DS / Orient hill air / MIIT.	1081.575
992	ELEC-5.1.16	Supply of 12" (300mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes: Crompton / Almounard / Havells Turbo Force.	2261.475
993	ELEC-5.1.17	Supply of 15" (375mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes: Crompton / Almounard / Havells Turbo Force	2753.1
994	ELEC-5.1.18	Supply of 18" (450mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark.	3505.5

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: Crompton / Almounard / Havells Turbo Force	
	5.2	WATER HEATERS	
995	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: Crompton model No. solarium plus SWH 725, Class 1 rated or its equivalent make of Bajaj / Venus / Racold / Usha / V-Guard / Havells.	7580.43
996	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 / V-Guard / Havells	8924.49
	5.3	ACCESSORIES FOR WATER HEATERS	0
997	ELEC-5.3.1	Heating element of 1.5 / 2.0 / 3.0 KW.	325.755
998	ELEC-5.3.2	Supply of thermostat with range 300 to 900C.Adjustable and suitable for 25 to 50 Ltrs. Capacity.	224.865
999	ELEC-5.3.3	Supply of pressure release valve for water heater of 15 to 50 Ltrs.capacity.	224.865
1000	ELEC-5.3.4	Flexible Nylon / PVC Metallic hose pipe	135.09
	5.4	ACCESSORIES FOR MOTORS	0
1001	ELEC-5.4.1	Supply & Fixing of D.O.L Starter 250V, Single phase, 50Hz. With SS enclouser comprising of contactor with bi-metalic relay with necessary push buttons, etc., complete. Makes: Siemens / Crompton / L&T.	666.9
1002	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.	1239.75
1003	ELEC-5.4.3	Motor Cover made with GI sheet of 18SWG for protection from rain complete.	51.3

1004	ELEC-5.4.4	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.	2128.95
		SINGLE PHASE SUBMERSIBLE MOTOR PUMP SETS	
1005	ELEC-5.4.5	Supply and Transportation of 0.75HP 8 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	12568.5
1006	ELEC-5.4.6	Supply and Transportation of 0.75HP 8 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel.	11970
1007	ELEC-5.4.7	Supply and Transportation of 1.00HP 10 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	14364
1008	ELEC-5.4.8	Supply and Transportation of 1.00HP 10 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel.	13680
1009	ELEC-5.4.9	Supply and Transportation of 1.00HP 15 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	14812.875
1010	ELEC-5.4.10	Supply and Transportation of 1.00HP 15 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel.	14107.5
1011	ELEC-5.4.11	Supply and Transportation of 1.50HP 21 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	17955
1012	ELEC-5.4.12	Supply and Transportation of 1.50HP 21 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel.	17100
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
1013	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 / Texmo / CRI / KSB.	21546
1014	ELEC-5.4.14	Supply and Transportation of 2.00HP 25 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel.	20520

1015	ELEC-5.4.15	Supply and Transportation of 3.00HP 10-15 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	18810
1016	ELEC-5.4.16	Supply and Transportation of 3.00HP 10-15 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel.	17100
		<u>Star Rated THREE PHASE SUBMERSIBLE MOTOR PUMP SETS.</u>	
1017	ELEC-5.4.17	Supply and Transportation of 3.00HP 20-23 Stage, 3 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB.	23940
1018	ELEC-5.4.18	Supply and Transportation of 3.00HP 20-23 Stage, 3 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel	21546
1019	ELEC-5.4.19	Supply and Transportation of 3.00HP 30- 35 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB.	29925
1020	ELEC-5.4.20	Supply and Transportation of 3.00HP 30- 35 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna	26932.5
1021	ELEC-5.4.21	Supply and Transportation of 5.00HP 35 - 40 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB.	34200
1022	ELEC-5.4.22	Supply and Transportation of 5.00HP 35 - 40 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna	30780
1023	ELEC-5.4.23	Supply and Transportation of 5.00HP 45 - 50 Stage , 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB.	36765
1024	ELEC-5.4.24	Supply and Transportation of 5.00HP 45 - 50 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna	33088.5
1025	ELEC-5.4.25	Supply and Transportation of 5.00HP 55 - 60 Stage , 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB.	38475
1026	ELEC-5.4.26	Supply and Transportation of 5.00HP 55 - 60 ,Stage , 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna	34627.5

1027	ELEC-5.4.27	Supply and Transportation of 6.00HP 15 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB.	35910
1028	ELEC-5.4.28	Supply and Transportation of 6.00HP 15 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel	32319
1029	ELEC-5.4.29	Supply and Transportation of 7.5 HP 20 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB.	42750
1030	ELEC-5.4.30	Supply and Transportation of 7.5 HP 20 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel	38475
1031	ELEC-5.4.31	Supply and Transportation of 10 HP 25 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB.	51300
1032	ELEC-5.4.32	Supply and Transportation of 10 HP 25 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel	46170
1033	ELEC-5.4.33	Supply and Transportation of 15 HP 27 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB.	55575
1034	ELEC-5.4.34	Supply and Transportation of 15 HP 27 Stage , 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel	50017.5
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
1035	ELEC-5.4.35	Supply and Transportation of 20 HP 30 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB.	64125
1036	ELEC-5.4.36	Supply and Transportation of 20 HP 30 Stage , 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel.	57712.5
		SINGLE PHASE OPEN WELL SUBMERSIBLE MOTOR PUMP SETS.	0
1037	ELEC-5.4.37	Supply and Transportation of 1.00HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	9875.25

1038	ELEC-5.4.38	Supply and Transportation of 1.00HP Single phase open well ISI submersible motor pumpset. Makes: Aryan Varsha / Flowell / Waterman.	9405
1039	ELEC-5.4.39	Supply and Transportation of 1.50HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	11221.875
1040	ELEC-5.4.40	Supply and Transportation of 1.50HP Single phase open well ISI submersible motor pumpset. Makes: Aryan Varsha / Flowell / Waterman.	10687.5
1041	ELEC-5.4.41	Supply and Transportation of 3.00HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	15261.75
1042	ELEC-5.4.42	Supply and Transportation of 3.00HP Single phase open well ISI submersible motor pumpset. Makes: Aryan Varsha / Flowell / Waterman.	14535
		THREE PHASE OPEN WELL SUBMERSIBLE PUMP SETS.	
1043	ELEC-5.4.43	Supply and Transportation of 3.00HP Three phase open well ISI submersible motor pumpset.(65x50) Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	15261.75
1044	ELEC-5.4.44	Supply and Transportation of 3.00HP Three phase open well ISI submersible motor pumpset.(65x50) Makes: Aryan Varsha / Flowell / Waterman / U-neel.	14535
1045	ELEC-5.4.45	Supply and Transportation of 5.00HP Three phase open well ISI submersible motor pumpset.(75x65) Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	18852.75
1046	ELEC-5.4.46	Supply and Transportation of 5.00HP Three phase open well ISI submersible motor pumpset.(75x65) Makes: Aryan Varsha / Flowell / Waterman / U-neel.	17955
1047	ELEC-5.4.47	Supply and Transportation of 7.50HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	22443.75
1048	ELEC-5.4.48	Supply and Transportation of 7.50HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Aryan Varsha / Flowell / Waterman / U-neel.	21375
1049	ELEC-5.4.49	Supply and Transportation of 10.00HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	28728

1050	ELEC-5.4.50	Supply and Transportation of 10.00HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Aryan Varsha / Flowell / Waterman / U-neel.	27360
		SINGLE PHASE MONO BLOCK MOTOR PUMP SETS.	
1051	ELEC-5.4.51	Supply and Transportation of 0.5HP Single phase ISI Mono block CI body motor pumpset (25x25mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Havells Hi-flow V2	4398.975
1052	ELEC-5.4.52	Supply and Transportation of 0.5HP Single phase ISI Mono block CI body motor pumpset (25x25mm). Makes: Aryan Varsha / Flowell / Waterman / Havells Hi-flow S2	4189.5
1053	ELEC-5.4.53	Supply and Transportation of 1.0HP Single phase ISI Mono block CI body motor pumpset (25x25mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Havells Hi-flow V1	6374.025
1054	ELEC-5.4.54	Supply and Transportation of 1.0HP Single phase ISI Mono block CI body motor pumpset (25x25mm). Makes: Aryan Varsha / Flowell / Waterman / Havells Hi-flow S1	6070.5
1055	ELEC-5.4.55	Supply and Transportation of 1.5HP Single phase ISI Mono block CI body motor pumpset (32x25mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	8528.625
1056	ELEC-5.4.56	Supply and Transportation of 1.5HP Single phase ISI Mono block CI	8122.5
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		body motor pumpset (32x25mm). Makes: Aryan Varsha / Flowell / Waterman.	
1057	ELEC-5.4.57	Supply and Transportation of 1.02HP Single phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	10773
1058	ELEC-5.4.58	Supply and Transportation of 1.02HP Single phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Aryan Varsha / Flowell / Waterman.	10260
1059	ELEC-5.4.59	Supply and Transportation of 2.00HP Three phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	12568.5
1060	ELEC-5.4.60	Supply and Transportation of 2.00HP Three phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Aryan Varsha / Flowell / Waterman.	11970

1061	ELEC-5.4.61	Supply and Transportation of 3.00HP Three phase ISI self priming Mono block IP44 motor pumpset (50x50mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	17057.25
1062	ELEC-5.4.62	Supply and Transportation of 3.00HP Three phase ISI self priming Mono block IP44 motor pumpset (50x50mm). Makes: Aryan Varsha / Flowell / Waterman.	16245
1063	ELEC-5.4.63	Supply and Transportation of 5.00HP Three phase ISI self priming Mono block IP44 motor pumpset (80x80mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB.	20648.25
1064	ELEC-5.4.64	Supply and Transportation of 5.00HP Three phase ISI self priming Mono block IP44 motor pumpset (80x80mm). Makes: Aryan Varsha / Flowell / Waterman.	19665
		CONTROL PANEL BOARD FOR MOTORS	
1065	ELEC-5.4.65	Fabrication , transportation and supply of suitable size panel board for single phase submersible motor up to 1.5 HP consisting of relay, Contactor, starting and running capacitors, Voltmeter, Ammeter, indicator lamps, MCB , on/off switch. Makes: LT / LK / BCH / Cromoton/ Siemens.	4104
1066	ELEC-5.4.66	Fabrication , transportation and supply of suitable size panel board for single phase submersible motor above 2 Hp to 3 HP consisting of relay, Contactor, starting and running capacitors, Voltmeter, Ammeter, indicator lamps, MCB , on/off switch. Makes; LT / LK / BCH / Crompton/ Siemens.	4702.5
1067	ELEC-5.4.67	Supply of 32mm dia PE 80 Grade material 12.5 kg / Cm2 ISI Mark HDPE pipe upto 600 feet Makes : Sudhakar / Reliance / Duroline / Premier / Vijaya / Godavari.	85.5
1068	ELEC-5.4.68	Supply of 40mm dia PE 80 Grade material 16 kg / Cm2 ISI Mark HDPE pipe above 600 feet to 1000 feet Makes : Sudhakar / Reliance / Duroline / Premier / Vijaya / Godavari.	136.8
1069	ELEC-5.4.69	Supply of 40mm dia PE 80 Grade material 20 kg / Cm2 ISI HDPE pipe above 1000 feet Makes : Sudhakar / Reliance / Duroline / Premier / Vijaya / Godavari.	153.9
1070	ELEC-5.4.70	Supply and fixing of 32mm x 25mm dia stainless steel Nipple.	128.25
1071	ELEC-5.4.71	Supply and fixing of 40mm x32mm dia stainless steel Nipple.	149.625
1072	ELEC-5.4.72	Supply and fixing of 50mm x 40mm dia stainless steel Nipple	320.625

1073	ELEC-5.4.73	Supply and fixing of MS clamp set (2 Nos) suitable for 32mm dia pipe with 8Nos nut & bolts	812.25
1074	ELEC-5.4.74	Supply and fixing of MS clamp set (2 Nos) suitable for 40mm dia pipe with 8Nos nut & bolts	1026
1075	ELEC-5.4.75	Supply and fixing of 32mm dia brass Non return valve ISI make	427.5
1076	ELEC-5.4.76	Supply and fixing of 40mm dia brass Non return valve ISI make	641.25
		Supply and delivery of wall mounted control panel board of size 600x600x250mm made of 18 SWG CRCA sheet steel enclosure, 14 SWG mounting plate for cable entry fabricated , painted with two coats of Red oxide primer and two coats of Grey paint, lock and key arrangements two side louvers with weld mesh inside etc., complete consisting of the following equipment with all internal wiring using L&T / Finolex copper FRLS cables of suitable size and capacity and cable clamp etc complete for 3 phase motor pump sets	
	1	Voltmeter ; 0-500 V 96x96mm size. Makes: L&T / C&S / SALZAR / HPL/ AEI / Meco / Rishab - 1No	
	2	0 to 20 Amps / 0 50 Amps Ammeter (96x96mm size). Makes: L&T / C&S / SALZAR / HPL/ AEI / Meco / Rishab-1No.	
	3	Single phase preventor of suitable range Makes: L&T / Minilec / Powertec. - 1No.	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
	4	TP, 10KA MCB . Makes: Legrand / Schneider / - 1No	
	5	Indication lamps (R-Y-B) with switch control - 1set	
	6	Voltmeter & Ammeter selector switch - 2 Nos	
	7	Supply and delivery of ISI Mark capacitor Makes: L&T / Siemens / Schneider / Epcos.	
1077	ELEC-5.4.77	do..... Upto 7.5 HP with DOL Starter. Makes: Crompton / L&T / Siemens.	6840
1078	ELEC-5.4.78	do.....Above 7.5 HP up to 15 HP with Automatic Star Delta Starter. Makes: Crompton / L&T / Siemens.	10260
1079	ELEC-5.4.79	do.....Above 15 HP up to 20 HP with Automatic Star Delta Starter. Makes: Crompton / L&T / Siemens.	13680
	5.5	REPAIRS TO AIR CONDITIONERS, SPLIT, CASSETTE AND TOWER MODEL AIR CONDITIONERS	
	I.	REPAIRS TO AIR CONDITIONERS,	
1080	ELEC-5.5.1	Supply, Fabrication of 1set MS bracket suitable for fixing out door unit of split AC unit.	855

1081	ELEC-5.5.2	Providing 2 runs of Copper tubes for suction and liquid between indoor and outdoor unit for split/Casseete Air-Conditioner including foaming etc., complete. 1. 3/4" x 3/8" 2. 5/8" x 1/4" 3. 1/2" x 1/4"	855
1082	ELEC-5.5.3	Supply of 1.0 / 1.5 Ton brand new Rotary type sealed compressor.	6968.25
1083	ELEC-5.5.4	Supply of 2.0 Ton brand new Rotary type sealed compressor.	7908.75
1084	ELEC-5.5.5	Multi speed Fan Motor suitable for 1.0 / 1.5 / 2.0 Ton Window A.C.Unit Makes : Crompton / AU.	1359.45
1085	ELEC-5.5.6	Fan motor capacitor 6 mfd by new capacitor for A.C machine of 1.0 1.5 / Ton Capacity. Make: Siemens / Crompton / L&T / Tibcon	133.38
1086	ELEC-5.5.7	Thermostat switch suitable for 1.0 / 1.5 / 2.0 Ton A.C.Unit.	350.55
1087	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. Make: Siemens / Crompton / L&T / Tibcon	161.595
1088	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. Make: Siemens / Crompton / L&T / Tibcon	206.91
1089	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.	192.375
1090	ELEC-5.5.11	Filter and capillary tube including welding etc., complete for 1.0 / 1.5 / 2.0 Ton A.C.Unit.	414.675
1091	ELEC-5.5.12	Air filter suitable for 1.50 Ton Window A.C.Unit P.V.C. / NYLON.	192.375
1092	ELEC-5.5.13	Air filter suitable for 1.50 Ton Split A.C.Unit P.V.C. / NYLON.	406.125
1093	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.	291.555
1094	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.	314.64
1095	ELEC-5.5.16	Fan blade for 1.0 / 1.5 Ton A.C.Machine.	478.8
1096	ELEC-5.5.17	Grill of 1.0 / 1.5 ton A.C. Machine (for assembled Units).	365.085
1097	ELEC-5.5.18	Grill of 1.0 / 1.5 ton A.C. Machine of branded units.	1453.5
1098	ELEC-5.5.19	Rotary / Selector switch by new one.	98.325

1099	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.	1282.5
1100	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.	1795.5
1101	ELEC-5.5.22	Spray painting of Refrigerator using good quality paint after scraping the surface etc.	615.6
1102	ELEC-5.5.23	New sealed compressor of 1/8 HP suitable for 165 to 185 Ltrs. Capacity Refrigerator.	2650.5
1103	ELEC-5.5.24	Sealed compressor of 1/6 HP suitable for 285 / 310 Ltrs. Capacity Refrigerator.	3206.25
1104	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.	1359.45
1105	ELEC-5.5.26	Bush for fan motor of 80-150 Lts.	106.875
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
1106	ELEC-5.5.27	Resistance type regulator for ceiling fans 900/1200/1400mm sweep complete erected on existing board.	34.2
1107	ELEC-5.5.28	Installation of Split Air Conditioners.	1282.5
1108	ELEC-5.5.29	Removing of existing Split Air Conditioners without damaging to copper pipe.	342
1109	ELEC-5.5.30	Installation of Cassette type Split Air Conditioners.	2565
1110	ELEC-5.5.31	Installation of Tower type Split Air Conditioners.	2137.5
1111	ELEC-5.5.32	Supply, Fabrication of 1set MS bracket suitable for fixing out door unit of Casseete AC unit.	1710
1112	ELEC-5.5.33	Providing 2 runs of Copper tubes for suction and liquid between indoor and outdoor unit for split/Casseete Air-Conditioner including foaming etc., complete. 1. 7/8" x 1/2"	1282.5
1113	ELEC-5.5.34	Providing 2 runs of Copper tubes for suction and liquid between indoor and outdoor unit for split/Casseete Air-Conditioner including foaming etc., complete. 1. 1 1/8" x 5/8"	1496.25
	II.	AIR CONDITIONERS	
		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 3.5 mts of copper piping, insulation kit and 4 mts of 3 core copper flexible chord , built-in stabilizer (Voltage range 160- 264 volts) and cordless remote control	

	A	1.5TR Split ACs	
1114	ELEC-5.5.35	do..... 1.5 TR 3 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-22 Makes: Mitsubishi SRK 19 CK-6	34893.405
1115	ELEC-5.5.36	do..... 1.5 TR 3 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-22 Makes: Daikin FTE-M or N Sereis / Carrier Novello / Blue Star 3HW18VB1 / Hitachi (Kazi+) / Voltas 183 PX-R.	32947.425
1116	ELEC-5.5.37	do..... 1.5 TR 3 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-22. Makes: Godrej GSC18FT3 WNT / Lloyds	30780
1117	ELEC-5.5.38	do..... 1.5 TR 5 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-22 Makes: Mitsubishi SRK20CKS-6 / Hitachi ACE FMS	41595.75
1118	ELEC-5.5.39	do..... 1.5 TR 5 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32 / R-410A with COP not less than 3.6 w/w Makes: Daikin FTF50QRV16 or its equivalent model of Carrier / Blue Star.	39550.59
	B	1.8TR-2.1TR Split ACs	
1119	ELEC-5.5.40	do..... 1.8 / 2.0 TR 3 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-32 / R-22 with COP not less than 3.25 w/w. Makes: Daikin FTC60QRV16 or its equivalent make of Carrier / Blue Star	42763.68
1120	ELEC-5.5.41	do..... 1.8 / 2.0 TR 3 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-32 / R-22 with COP not less than 3.25 w/w. Makes: Godrej GSC24FW3 WNU / Lloyds	38475
1120	ELEC-5.5.42	do..... 2.0 TR 4 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-22 Makes: 'O' General.	48298.95
1121	ELEC-5.5.43	do..... 2.0 TR 4 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-22 Makes: Carrier Kurve.	42732.9

1122	ELEC-5.5.44	do..... 1.8 / 2.0 TR 4 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-22 / R-32 with COP not less than 3.4 w/w Makes: Daikin FTF60QRV16 or its equivalent of Mitsubishi	50149.17
	C	Inverter Split AC Units (Cooling Only)	
		Supply of INVERTER Model Cool type split AC unit with high wall mounted Single Split indoor unit and outdoor condensing unit Hermetically sealed compressor suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing Heat cool	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		dehumidifying air circulating and filtering with cooling and condensing units with 3.5 mts of copper piping, insulation kit and 4 mts of 4 core copper flexible chord , built-in stabilizer (Voltage range 160- 264 volts) and cordless remote control	
1123	ELEC-5.5.45	do..... 1.5 TR capable of delivering 18000 BTU/hr and above with operating on refrigerant R-410 Makes: O General model No. ASGA18JCC / Toshibha Model No. RAS-18N3KCV-IN	49474.575
1124	ELEC-5.5.46	do..... 1.5 TR capable of delivering 18000 BTU/hr and above with operating on refrigerant R-410 / R-32 with COP not less than 3.8 w/w Makes: 'Daikin Model No. FTKM50QRV16 or its equivalent of Mitsubishi	48191.22
1125	ELEC-5.5.47	do..... 1.8 TR capable of delivering 21600 BTU/hr and above with operating on refrigerant R-410 / R-32 with COP not less than 3.6 w/w Makes: Daikin FTKM60QRV16 or its equivalent of Thosibha	61316.325
1126	ELEC-5.5.48	do..... 2.0 TR capable of delivering 24000 BTU/hr and above with operating on refrigerant R-410 Makes: 'O' General Model No. ASGA24JCC / Blue Star Model No. HNHW22CBF	57537.225
		CASSETTE TYPE AC UNITS	

		Supply of Cassette type 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 with Wireless remote controller, but without refrigerent piping and cable.	
1127	ELEC-5.5.49	do..... Single Phase R-22 Makes: 2.2TR Daikin FHC28EXVI / R28CGXVI 2.0TR 'O' Genral AUG25AB	75718.8
1128	ELEC-5.5.50	do..... 3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-22 Makes: 'O' Genral	111226.95
1129	ELEC-5.5.51	do..... 3.5TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22 Makes: 'O' General	117938.7
1130	ELEC-5.5.52	do..... 3.3TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22 Makes: Daikin FHC40EXVI / R40DGXY1	107054.55
1131	ELEC-5.5.53	do..... 3.5TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22. Makes: Carrier / Blue Star	106875
1132	ELEC-5.5.54	do..... 4.1TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-22 Makes: Daikin FHC50EXV1 / R50DGXY1 / 'O' Genral	121334.76
1133	ELEC-5.5.55	do..... 4.0TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-22 Makes: Carrier / Blue Star	98325
1134	ELEC-5.5.56	do..... 3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-410 Makes: Carrier / Blue Star.	99436.5
1135	ELEC-5.5.57	do..... 3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-410 . (Inverter Technology) Makes: Toshibha / O General (Inverter Technology)	132670.35
1136	ELEC-5.5.58	do..... 4.0TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-410 Makes: Carrier / Blue Star	113715
1137	ELEC-5.5.59	do..... 4.0TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-410 (Inverter Technology) Makes: Toshibha / O General	143802.45
		TOWER MODEL TYPE AC UNITS	

		Supply of Slim line / Tower Model/Verticool 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 with cordless remote control~~	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
1138	ELEC-5.5.60	do..... 3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-22 Makes: Voltas	68400
1139	ELEC-5.5.61	do..... 3.5TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22 Makes: Blue Star	70537.5
		INVERTOR MODEL HEAT COOL SPLIT AC'S	
1140	ELEC-5.5.62	Supply, transportation of 1.5 TR capacity (HEAT and COOL) high wall mounted indoor evaporator unit and outdoor condensing unit with Heat pump, cord less remote control and hermetically sealed rotary compressor operating on refrigerent R-410A suitable for operation on 230V, 50Hz, single phase A.C supply, capable of performing of cooling capacity 5.25KW and above and heating capacity 5.28 KW and above, Running current in cooling mode less than 7.19 Amps, & in Heating mode less than 6.53 Amps , Power Consumption in Cooling mode not more than 1635 W and in heating mode not more than 1490 W co-efficient of performance in cooling mode not less than 3.21 & in heating mode not less than 3.54,dehumidifying Aircirculating and filtering with cooling and condensing unit duly insulated and 3 core copper flexible chord of required length etc with 2 years comprehensive warranty and 5 years warranty on compressor etc complete. Make: Daikin Model No FTYN50JXVI or its equivalent model of Toshiba / Mitsubishi / O General.	49914.9
		Indoor Unit a) Noise level: in Cooling mode not more than 44 DB(A)	
		b) Air flow rate: 16.1 to 10.6 meter cube per minute(570 to 375 cfm)	
		Out door Unit a) Noise level: In Cooling mode not more than 49 DB(A)	

1141	ELEC-5.5.63	Supply, transportation of 1.8 / 2.0 TR capacity , (HEAT and COOL) high wall mounted indoor evaporator unit and outdoor condensing unit with Heat pump, cord less remote control and hermetically sealed rotary compressor operating on refrigerent R-410A suitable for operation on 230V, 50Hz, single phase A.C supply, capable of performing of cooling capacity 6.01KW and above and heating capacity 6.15 KW and above, Running current in cooling mode less than 8.26 Amps, & in Heating mode less than 7.99 Amps , Power Consumption in Cooling mode not more than 1870W and in heating mode not more than 1800 W, co-efficient of performance in cooling mode not less than 3.21 & in heating mode not less than 3.40, dehumidifying Aircirculating and filtering with cooling and condensing unit duly insulated and 3 core copper flexible chord of required length etc with 2 years comprehensive warranty and 5 years warranty on compressor etc complete. Make: Daikin Model No FTYN60JXVI or its equivalent model of Toshiba / Mitsubishi / O General	58856.49
		Indoor Unit	
		a) Noise level: in Cooling mode not more than 48 DB(A)	
		b) Air flow rate: 18.2 to 11.8 meter cube per minute (641 to 418 cfm)	
		Out door Unit a) Noise level: In Cooling mode not more than 52 DB(A)	
		STABILIZERS	
1142	ELEC-5.5.64	Supply of 0.5 KVA Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL.	816.75
1143	ELEC-5.5.65	Supply of 0.5 KVA Stabilizer. Makes: Keeline / Soft Line / Capri.	668.25
1144	ELEC-5.5.66	Supply of 1.0 KVA Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL.	1489.125
1145	ELEC-5.5.67	Supply of 1.0 KVA Stabilizer. Makes: Keeline / Soft Line / Capri.	1332.375
1146	ELEC-5.5.68	Supply of 3.0 KVA Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL.	2062.5
1147	ELEC-5.5.69	Supply of 3.0 KVA Stabilizer. Makes: Keeline / Soft Line / Capri.	1897.5
1148	ELEC-5.5.70	Supply of 4.0 KVA Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL.	2743.125
1149	ELEC-5.5.71	Supply of 4.0 KVA Stabilizer. Makes: Keeline / Soft Line / Capri.	2586.375
1150	ELEC-5.5.72	Supply of 5.0 KVA Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL.	3301.65

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	5
1151	ELEC-5.5.73	Supply of 5.0 KVA Stabilizer. Makes: Keeline / Soft Line / Capri.	3139.95
	5.6	REPAIRS TO MOTORS AND REWINDING, BEARINGS	0
1152	ELEC-5.6.1	Bearing of approved make for electric motor single phase / 3 phase AC upto 1 HP of all types.	159.31
1153	ELEC-5.6.2	Bearing of approved make for electric motor single phase / 3 phase AC upto 2 to 3 HP of all types.	205.59
1154	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.	272.34
1155	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.	283.91
1156	ELEC-5.6.5	Bearing of approved make for electric motor single phase / 3 phase AC upto 15 to 20 HP of all types.	435.21
1157	ELEC-5.6.6	Bearing of table / cabin / pedestal / ceiling / exhaust fan complete with alignment of shaft and tested.	81.88
1158	ELEC-5.6.7	Bearing of bush / rubber / ring washers complete with alignment of shaft and tested.	39.16
1159	ELEC-5.6.8	Capacitor of table / cabin / pedestal / ceiling / exhaust fan complete.	37.38
1160	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	707611.41
	6.1	SWAGED POLES / OCTOGONAL POLES, GARDEN POSTS AND ACCESSORIES	
1161	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)	60.705
1162	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)	55.575
1163	ELEC-6.1.3	Supply of different sizes of M. S. Pipe brackets (Rate per K.G)	55.575

1164	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 as per IS specification suitable to withstand the wind speed of 180 KMPH for 7 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. Makes: Bajaj / Valmont / TRANSRAIL.	8980.065
1165	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 as per IS specification suitable to withstand the wind speed of 180 KMPH for 7 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. Makes: Surya / LAASMA.	7866
1166	ELEC-6.1.6	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 as per IS specification suitable to withstand the wind speed of 180 KMPH for 8Mtrs height Pole having dimensions Bottom 135 mm,. Top 70mm with 3mm thick, base plate 225 x 225 x 16mm and 4 Nos of M20 x 750 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL.	9832.5
1167	ELEC-6.1.7	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 as per IS specification suitable to withstand the wind speed of 180 KMPH for 8Mtrs height Pole having dimensions Bottom 135 mm,. Top 70mm with 3mm thick, base plate 225 x 225 x 16mm and 4 Nos of M20 x 750 long 'J' bolts along with template. Makes: Surya / LAASMA.	7951.5
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	

1	2	3	
1168	ELEC-6.1.8	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 as per IS specification suitable to withstand the wind speed of 180 KMPH for 9 Mtrs height Pole having dimensions Bottom 155 mm,. Top 70mm with 3mm thick, base plate 260 x 260 x 16mm and 4 Nos of M24 x 750 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL.	13106.295
1169	ELEC-6.1.9	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 as per IS specification suitable to withstand the wind speed of 180 KMPH for 9 Mtrs height Pole having dimensions Bottom 155 mm,. Top 70mm with 3mm thick, base plate 260 x 260 x 16mm and 4 Nos of M24 x 750 long 'J' bolts along with template Makes: Surya / LAASMA.	11548.485
1170	ELEC-6.1.10	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 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 275 x 275 x16mm and 4 Nos of M24 x 750 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL.	13728.735

1171	ELEC-6.1.11	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 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 275 x 275 x16mm and 4 Nos of M24 x 750 long 'J' bolts along with template. Makes: Surya / LAASMA.	12053.79
1172	ELEC-6.1.12	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 as per IS specification suitable to withstand the wind speed of 180 KMPH for 12 mtrs height Pole having dimensions Bottom 240mm, Top 100mm with 4mm thick, base plate 320 x320 x20mm and 4 Nos of M24 x 850 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSCAU	21409.2
1173	ELEC-6.1.13	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 as per IS specification suitable to withstand the wind speed of 180 KMPH for 12 mtrs height Pole having dimensions Bottom 240mm, Top 100mm with 4mm thick, base plate 320 x320 x20mm and 4 Nos of M24 x 850 long 'J' bolts along with template. Makes: Surya / LAASMA.	19268.28
1174	ELEC-6.1.14	Fabrication, Transportation and supply of 1.0 Mtr Length Single Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe.	1038.825
1175	ELEC-6.1.15	Fabrication, Transportation and supply of 1.50 Mtr Length Single Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe.	1371.42
1176	ELEC-6.1.16	Fabrication, Transportation and supply of 1 Mtr length Double Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe.	1197
1177	ELEC-6.1.17	Fabrication, Transportation and supply of 1.50 Mtr length Double Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe.	2119.545

1178	ELEC-6.1.18	Fabrication, Transportation and supply of 1.5 Mtr Length Single Arm suitable size decorative galvanized Bracket with PU paint colour finish etc complete. Makes: Valmont / Schreder	4275
1179	ELEC-6.1.19	Fabrication, Transportation and supply of 1.5 Mtr Length Double Arm suitable size decorative galvanized Bracket with PU paint colour finish etc complete. Makes: Valmont / Schreder	7695
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
1180	ELEC-6.1.20	Fabrication, Transportation and supply of of 1.5mtrs sword type decorative double arm bracket with dooms either sides complete with all accessories with MS galvanized 40mm / 50mm dia Pipe.	3847.5
1181	ELEC-6.1.21	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 (15kgs) reinforcement as directed by the field engineers during execution including all labour charges and cost and conveyance of materials etc. complete.	4232.25
1182	ELEC-6.1.22	Fabrication, transportation and supply of 12 Mtrs Polygon High Mast with single section of 3mm thick of Bottom 360mm 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 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, suitable for 6 luminaires with GLS type aviation twin lamp. Makes: Bajaj / Valmont / TRANSRAIL.	88367.67

1183	ELEC-6.1.23	Fabrication, transportation and supply of 12 Mtrs Polygon High Mast with single section of 3mm thick of Bottom 360mm 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 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, suitable for 6 luminaires with GLS type aviation twin lamp Makes: Surya / LAASMA.	75915.45
1184	ELEC-6.1.24	Fabrication, transportation and supply of 16 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick with GLS type aviation lamp of Bottom 360mm and Top 150mm 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 / TRANSRAIL.	115321.545

1185	ELEC-6.1.25	Fabrication, transportation and supply of 16 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick with GLS type aviation lamp of Bottom 360mm and Top 150mm 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: Surya / LAASMA.	103789.305
1186	ELEC-6.1.26	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 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	143858.88
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	#VALUE!
1	2	3	4.275
		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 / TRANSRAIL.	0

1187	ELEC-6.1.27	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 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 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp. Makes: Surya / LAASMA.	129472.65
1188	ELEC-6.1.28	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.	24695.82
1189	ELEC-6.1.29	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.	26054.415
1190	ELEC-6.1.30	Earth work excavation with a approximate quantity of 4.0 Cum for erection of 12 Mtrs high mast and refilling with a quantity of 0.53 Cum of PCC 1:4:8, 1.50 Cum M 20 grade concrete and (80 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carriage etc complete	24002.415
1191	ELEC-6.1.31	Earth work excavation with a approximate quantity of 6.0 Cum for erection of 16 Mtrs high mast and refilling with a quantity of 0.65 Cum of PCC 1:4:8, 2.60 Cum M 20 grade concrete and (110 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carriage etc complete	30603.87

1192	ELEC-6.1.32	Earth work excavation with a approximate quantity of 7.0 Cum for erection of 20 Mtrs high mast and refilling with a quantity of 0.75 Cum of PCC 1:4:8, 3.60 Cum M 20 grade concrete and (140 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carriage etc complete.	38946.105
1193	ELEC-6.1.33	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 70mm dia, base plate of size 260mmx260mmx16mm thick welded to bottom of pole, terminal box with door size of 500mm x 100mm 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 / TRANSRAIL.	16386.075
1194	ELEC-6.1.34	Fabrication,transportation and supply of MS hot dip galvanized 9.0 Mtrs long octagonal poles with 3mm thick HT steel plate with a	14387.94
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		bottom 155mm dia and top 70mm dia, base plate of size 260mmx260mmx16mm thick welded to bottom of pole, terminal box with door size of 500mm x 100mm 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 / TRANSRAIL	

1195	ELEC-6.1.35	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 /	12465.9
1196	ELEC-6.1.36	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:	11219.31
1197	ELEC-6.1.37	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 /	14312.7

1198	ELEC-6.1.38	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: ~~Sumip~~	12881.43
		Supply of following sizes thermo plastic pole boxes IP 65 protection Make : Hensel / Sintex	
1199	ELEC-6.1.39	300X150X170	1043.1
1200	ELEC-6.1.41	300X300X170	1496.25
1201	ELEC-6.1.42	300X450X170	2039.175
1202	ELEC-6.1.43	300X600X170	2419.65
1203	ELEC-6.1.44	Erection charges for 7mts / 8mts 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 con veyance of all material and all labour charges etc. complete as directed by the department officers.	2736
		Supply and transportation of following glass reinforced polymer (GRP) composite type Conical pole with single arm bracket of length	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		1Mtr and internal junction box including labour charges etc., complete. Makes: Bajaj / Kemrock / Sumip.	
1204	ELEC-6.1.45	...do.... 3.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	7616.34
1205	ELEC-6.1.46	...do.... 4.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	9548.64
1206	ELEC-6.1.47	...do.... 6.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	12205.125

1207	ELEC-6.1.48	...do.... 8.00 Mtrs height, Bottom dia 193mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	16069.725
1208	ELEC-6.1.49	...do.... 10.00 Mtrs height, Bottom dia 227mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	23314.14
		Supply and transportation of base bracket suitable for glass reinforced polymer (GRP) composite type pole including labour charges etc., complete. Makes: Bajaj / Kemrock / Sumip.	
1209	ELEC-6.1.50	...do.... For 3.00 Mtrs Pole	1410.75
1210	ELEC-6.1.51	...do.... For 4.00 Mtrs Pole	1410.75
1211	ELEC-6.1.52	...do.... For 6.00 Mtrs Pole	1692.9
1212	ELEC-6.1.53	...do.... For 8.00 Mtrs Pole	1975.05
1213	ELEC-6.1.54	...do.... For 10.00 Mtrs Pole	4702.5
	6.2	CONTROL PANEL BOARD	
1214	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.	3720
1215	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.	3565
1216	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.	3255
	6.3	METERING EQUIPMENT	0
1217	ELEC-6.3.1	Supply and erection of 0-415V Digital meter on exisiting box / panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL	2137.5
1218	ELEC-6.3.2	Supply and erection of 0-415V Analog meter on exisiting box / panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL.	384.75

1219	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. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL.	2137.5
1220	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. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL.	384.75
1221	ELEC-6.3.5	Supply and erection of Digital frequency meter on existing box / panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL.	3895.38
1222	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. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL.	2308.5
1223	ELEC-6.3.7	Supply and erection of L.T. 3phase Digital multifunction energy meter with 3 lines LCD display for measuring all the parameters (voltage / Current / Power / frequency / power factor / kw / kwh / KVAR/ KVARH/) on existing box panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL.	8569.665
1224	ELEC-6.3.8	Supply and erection of selector switch for voltmeter / Ammeter on the existing box / panel including connections etc., complete.	149.625
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: L&T / C&S / SALZAR / HPL	
1225	ELEC-6.3.9	Supply and erection of LED indicator lamps on the existing box / panel board. Makes: L&T / C&S / SALZAR / HPL .	115.425
1226	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. Makes: KAPPA	384.75
1227	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. Makes: CONZERVE / ELMEASURE / MECO / HPL / HAVELLS.	897.75

1228	ELEC-6.3.12	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. Makes: CONZERVE / ELMEASURE / MECO / HPL / HAVELLS.	2596.635
1229	ELEC-6.3.13	Supply and fixing of 8 Stage APFC Relay with connection etc complete. Makes: L&T / Siemens / EPCOS / Schneider / Elmeasure	11628
1230	ELEC-6.3.14	Supply and fixing of 14 Stage APFC Relay with connection etc complete. Makes: L&T / Siemens / EPCOS / Schneider / Elmeasure)	14449.5
	6.4	SUB STATION EQUIPMENT and TRANSFORMERS	0
1231	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 ~~done with only manufacturing companies~~	1998
1232	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.	2500
1233	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).	4350
1234	ELEC-6.4.4	Testing of Transformer oil for dielectric breakdown strength.	500
1235	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	2500
1236	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	3500
1237	ELEC-6.4.7	Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -Upto 315 KVA	750
1238	ELEC-6.4.8	Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -500 / 1000 KVA	1050
1239	ELEC-6.4.9	Replacing old and unserviceable gasket of H. T bushing for the following Transformer capacity. -Upto 315 KVA	300

1240	ELEC-6.4.10	Replacing old and unserviceable gasket of H. T bushing for the following Transformer capacity. -500 / 1000 KVA	550
1241	ELEC-6.4.11	Replacing old and unserviceable gasket of L.T bushing for the following transformer capacity. Upto 315 KVA	700
1242	ELEC-6.4.12	Replacing old and unserviceable gasket of L.T bushing for the following transformer capacity. 500 / 1000 KVA	1450
1243	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	590
1244	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	390
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	5
1245	ELEC-6.4.15	Insulating HT / LT copper / aluminium coils for Transformers.	300
1246	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	3000
1247	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	4000
1248	ELEC-6.4.18	Replacing H.T bushing for distribution Transformer by new one.	350
1249	ELEC-6.4.19	Replacing H.T bushing metal parts for distribution Transformer by new one.	380
1250	ELEC-6.4.20	Replacing L.T bushing for distribution Transformer by new one for the following capacities. - Upto 315 KVA	165
1251	ELEC-6.4.21	Replacing L.T bushing for distribution Transformer by new one for the following capacities.- 500 / 1000 KVA	175
1252	ELEC-6.4.22	Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. -100 KVA	300
1253	ELEC-6.4.23	Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. -250 / 315 KVA	500
1254	ELEC-6.4.24	Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. -500 KVA	1300
1255	ELEC-6.4.25	Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. -1000 KVA	2000

1256	ELEC-6.4.26	Drying the repaired transformer with appropriate heat / air of following capacity of transformers. -Upto 315 KVA	3000
1257	ELEC-6.4.27	Drying the repaired transformer with appropriate heat / air of following capacity of transformers. -500 / 1000KVA	4200
1258	ELEC-6.4.28	Loading and Unloadng of transformer from site to Workshop or vice verse. -Upto 500 KVA	4500
1259	ELEC-6.4.29	Loading and Unloadng of transformer from site to Workshop or vice verse. -630 / 1000 KVA	6800
1260	ELEC-6.4.30	Transformer oild tested as per IS-335 - 1972 (per Ltr)	99
1261	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)	8
1262	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)	5
1263	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/Epcos.	330
		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% contineously rated for full load and temporature rise not exceeding 50°C in oil and 55°C rise by th resistance of the winding after contineous run on full load rating complete with the following standard mountings. Makes: Kirloskar / 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. Primry 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	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		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. 21. Impedance(7%) : As per IS specification	
		22. 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 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.	
1264	ELEC-6.4.34	... do..... 63 KVA Copper Wound Transformer with No load / Load losses (Watts): As per IS specification	141075
1265	ELEC-6.4.35	... do..... 100 KVA Copper Wound Transformer with No load Losses : 260 Watts and Full Load losses (Watts): 2100 Watts	165442.5
1266	ELEC-6.4.36	... do..... 160 KVA Copper Wound Transformer with No load Losses : 400 Watts and Full Load losses (Watts): 3200 Watts	252225
1267	ELEC-6.4.37	... do..... 250 KVA Copper Wound Transformer with No load Losses : 600 Watts and Full Load losses (Watts): 4000 Watts	284821.875
1268	ELEC-6.4.38	... do..... 315 KVA Copper Wound Transformer with No load Losses : 700 Watts and Full Load losses (Watts): 4600 Watts	328640.625
1269	ELEC-6.4.39	... do..... 500 KVA Copper Wound Transformer with No load Losses : 1000 Watts and Full Load losses (Watts): 6500 Watts	458493.75

		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: Kirlockar / DETE / Ecopar~~	
		(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: Dvn 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 : 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. Terminal arrangement. a. HV: Cable end box b. LV : Cable end box 20. No load losses (Watts): As per IS specifications	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		21. Load losses (Watts): As per IS specifications 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.	
1270	ELEC-6.4.40	... do..... 100 KVA Copper Wound Cast Resin Transformer	342000

1271	ELEC-6.4.41	... do..... 250 KVA Copper Wound Cast Resin Transformer	551475
1272	ELEC-6.4.42	... do..... 315 KVA Copper Wound Cast Resin Transformer	628425
1273	ELEC-6.4.43	... do..... 500 KVA Copper Wound Cast Resin Transformer	778050
	6.5	LIGHTENING PROTECTIVE SYSTEM	
1274	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.	1282.5
1275	ELEC-6.5.2	Supply and erecting porcelain disc type insulator suitable for 11KV line with suitable hardware on existing cross arms.	513
1276	ELEC-6.5.3	Supply and erecting porcelain pin type insulator suitable for 11KV line with suitable hardware on existing cross arms.	256.5
1277	ELEC-6.5.4	Supply and erecting porcelain post type insulator suitable for 11KV line with suitable hardware on existing cross arms.	577.125
1278	ELEC-6.5.5	Supply and erecting porcelain pin/shackle type insulator suitable for L. T.	76.95
1279	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.	513
1280	ELEC-6.5.7	Approved made 11KV, 400A A.B switch with all standard accessories etc., complete with cost and conveyance of all materials.	5985
1281	ELEC-6.5.8	Approved made 11KV, 200A A.B switch with all standard accessories etc., complete with cost and conveyance of all materials.	5215.5
1282	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.	5044.5
1283	ELEC-6.5.10	11KV, H.G fuse set including all standard accessories etc., complete with cost and conveyance of all materials.	3420
1284	ELEC-6.5.11	Supply of 7/3.15 AAA C all Aluminium annealed conductor Rabbit.	21386.115
1285	ELEC-6.5.12	Supply of 7/2.50 AAA C all Aluminium annealed conductor Weasel.	13152.465
1286	ELEC-6.5.13	Supply of 9.1 Mtr PSCC Pole 280 Kg Working load.	2675.295
1287	ELEC-6.5.14	Supply of 8.0 Mtr PSCC Pole 140 Kg Working load.	1423.575
1288	ELEC-6.5.15	Supply of 175 x 85 mm / 150 x 75 mm RS Joist.	42.75

1289	ELEC-6.5.16	Supply of 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 CPT-3 / NLP 2200 / FOREND(ESE-EU) / SCHIRTEC or its equivalent	98496
1290	ELEC-6.5.17	Installation and commissioning of 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. Makes: NIMBUS / FOREND / SCHIRTEC or its	26676
1291	ELEC-6.5.18	Supply of electro-Mechanical counter Make: CIRPROTEC / INDALAC / INGESCO / SCHIRTEC.	13680
1292	ELEC-6.5.19	Providing earth electrode of low carbon steel rod of 17mm dia	8208
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		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)	
1293	ELEC-6.5.20	Supply of down conductor of 1x70sqmm single core PVC insulated unarmoured copper conductor cable of ISI mark. Makes: Polycab / Havells / RPG / RR Kabel	350.55
	7.1	NET WORKING	

1294	ELEC-7.1.1	Supply of 2 Pair, 0.5mm telephone copper wire. Makes: Finolex / Delton / Surabi / Polycab	833.25
1295	ELEC-7.1.2	Supply of 5 Pair telephone copper wire. Makes: Finolex / Delton / Surabi / Polycab /	2310
1296	ELEC-7.1.3	Supply of LAN Cable cat - 6 UTP cable. Makes: D Link / AMP / Molex / Legrand / Krone.	2128.5
1297	ELEC-7.1.4	Supply of Cat 6 RJ-45 information outlets including duel face plate . Makes: D Link / AMP / Molex / Legrand / Krone.	280.5
1298	ELEC-7.1.5	Supply of 24 Port switches. Makes: D link / CISCO / Net Gear / HP.	4290
1299	ELEC-7.1.6	Supply of 8 Port switches. Makes: D link / CISCO / Net Gear / HP.	1018.875
1300	ELEC-7.1.7	Supply of 3200 access point. Makes: D link / CISCO / Net Gear / HP.	10312.5
1301	ELEC-7.1.8	Supply of 7 feet length moulded patch cord. Makes: D Link / AMP / Molex / Legrand / Krone.	181.5
1302	ELEC-7.1.9	Supply of 3 feet length moulded patch cord. Makes: D Link / AMP / Molex / Legrand / Krone.	165
1303	ELEC-7.1.10	Supply of 24 port patch panels. Makes: D Link / AMP / Molex / Legrand / Krone.	5362.5
1304	ELEC-7.1.11	Supply of 100 pair MDF loaded with 2/10 Modular. Makes: Krone or its equivalent.	3036
1305	ELEC-7.1.12	Supply of 100 Pair raiser cable for telephone Makes: Finolex / Delton / Surabi / Polycab.	319.275
1306	ELEC-7.1.13	Supply of 10 Pair telephone Copper wire. Makes: Finolex / Delton / Surabi / Polycab	33
1307	ELEC-7.1.14	Supply of 20 Pair telephone Copper wire. Makes: Finolex / Delton / Surabi / Polycab	62.7
1308	ELEC-7.1.15	Supply of 50 Pair telephone Copper wire. Makes: Finolex / Delton / Surabi / Polycab.	160.875
1309	ELEC-7.1.16	Supply of 10 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement.	536.25
1310	ELEC-7.1.17	Supply of 20 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement.	816.75

1311	ELEC-7.1.18	Supply of 50 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement.	1707.75
1312	ELEC-7.1.19	Supply of 200 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement.	6517.5
1313	ELEC-7.1.20	Supply of 6U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall.	3877.5
1314	ELEC-7.1.21	Supply of 9U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall.	4603.5
1315	ELEC-7.1.22	Supply of 12U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall.	5349.3
1316	ELEC-7.1.23	Supply of 15U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall.	6062.1
1317	ELEC-7.1.24	Supply of 17U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall.	8353.125
1318	ELEC-7.1.25	Supply of 42U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall.	11137.5
1319	ELEC-7.1.26	Supply of 6 Core (Indoor / Out door), Single mode armoured, Optic fibre cable.	61.875
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		Makes: D Link / AMP / Molex / Legrand / Krone.	
1320	ELEC-7.1.27	Supply of 12 Core (Indoor / Out door), Single mode armoured, Optic fibre cable. Makes: D Link / AMP / Molex / Legrand / Krone.	86.625
1321	ELEC-7.1.28	Supply of 6 port fibre distribution unit. (FDU / LIU) loaded with couplers etc complete. Makes: D Link / AMP / Molex / Legrand / Krone.	6187.5
1322	ELEC-7.1.29	Supply of 12 port fibre distribution unit. (FDU / LIU) loaded with couplers etc complete. Makes: D Link / AMP / Molex / Legrand / Krone.	7837.5
1323	ELEC-7.1.30	Supply of Subscriber connector (SC) to SC / LC patch card of 1 Mtr length. Makes: D Link / AMP / Molex / Legrand / Krone.	1650
1324	ELEC-7.1.31	Supply of Pigtailed for fibre core connectivity. Makes: D Link / AMP / Molex / Legrand / Krone.	288.75

1325	ELEC-7.1.32	Supply of Cat 6 RJ-45 information outlets including Single face plate. Makes: D Link / AMP / Molex / Legrand / Krone.	206.25
		RACEWAYS AND JUNCTION BOXES	0
1326	ELEC-7.1.33	Supply of 100mm x 38mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	379.5
1327	ELEC-7.1.34	Supply of 150mm x 38mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	499.125
1328	ELEC-7.1.35	Supply of 300mm x 38mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	853.875
1329	ELEC-7.1.36	Supply of 100mm x 25mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	358.875
1330	ELEC-7.1.37	Supply of 150mm x 25mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	462
1331	ELEC-7.1.38	Supply of 300mm x 25mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	833.25
1332	ELEC-7.1.39	Supply of 172mm x 52mm G.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways.	280.5
1333	ELEC-7.1.40	Supply of 222mm x 52mm G.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways.	354.75
1334	ELEC-7.1.41	Supply of 372mm x 52mm G.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways.	684.75
	8.1	MISSILLANEOUS ITEMS	0
1335	ELEC-8.1.1	Supply of single fancy bracket with glass shade best Indian make	177.375
1336	ELEC-8.1.2	Supply of double fancy bracket with glass shade best Indian make	317.625
1337	ELEC-8.1.3	Supply of 10" ceiling fittings with glass doom best Indian make	159.225
1338	ELEC-8.1.4	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. Makes: Bajaj / Crompton / Surva.	326.7
1339	ELEC-8.1.5	TW Seperators / Gutties	165
1340	ELEC-8.1.6	Rawl Plugs	28
1341	ELEC-8.1.7	U Nails	44
1342	ELEC-8.1.8	Alluminium Link Clips	55
1343	ELEC-8.1.9	50 mm G.I.Nut and Bolts.	13
1344	ELEC-8.1.10	63 to 100 mm G.I.Nut and Bolts.	24
1345	ELEC-8.1.11	50 mm 0 Gauge Nails	44
1346	ELEC-8.1.12	63 to 100 mm 0 Gauge Nails	73
1347	ELEC-8.1.13	Hard Coke	9
1348	ELEC-8.1.14	Salt	4
1349	ELEC-8.1.15	PVC Cleats 2 Way	330
1350	ELEC-8.1.16	PVC Cleats 4 Way	440
1351	ELEC-8.1.17	Binding Wire	61
1352	ELEC-8.1.18	PVC / Cotton Insulation tape Role (10 Mtrs)	17
1353	ELEC-8.1.19	C.I.Knob	13
1354	ELEC-8.1.20	Stay tight set (Jum bracket 300 mm)	303
1355	ELEC-8.1.21	Stay clamp with bolts and Nuts)	194

1356	ELEC-8.1.22	L.T.Guy insulator	51
1357	ELEC-8.1.23	12 / 15 MS plain rod fan hook	22
1358	ELEC-8.1.24	19 / 20 mm Steel tube fan down rod	66
1359	ELEC-8.1.25	Consealed box PVC / MS with hook for fan	88
1360	ELEC-8.1.26	Coil Earthing	66
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	5
1361	ELEC-8.1.27	Cable root Indicators	83
1362	ELEC-8.1.28	40 mm x 40 mm x 6 mm angle iron with I bolt.	242
1363	ELEC-8.1.29	Mild Steel Items	61
1364	ELEC-8.1.30	Acrylic Cover of size 4" x 7" for night lamps.	17
1365	ELEC-8.1.31	TW / PVC Round Blocks	7
1366	ELEC-8.1.32	G.I.Funnel with Mesh 1/2" x 4"	83
1367	ELEC-8.1.33	Asbestos Sheet	237
1368	ELEC-8.1.34	First Aid box 18" x 12" x 8"	1100
1369	ELEC-8.1.35	11 KV/22 KV Hand gloves	154
1370	ELEC-8.1.36	Copper plate / Copper strip (Per K.G)	605
1371	ELEC-8.1.37	No. 8/10 SWG copper wire (per K.G)	605
1372	ELEC-8.1.38	PVC Insulated copper winding wire of fine quality (per K. G)	726
1373	ELEC-8.1.39	No. 14 SWG copper wire (per K. G)	605
1374	ELEC-8.1.40	Copper winding wire (per K. G)	701
1375	ELEC-8.1.41	G.I. Strip / Plate / Wire (per K. G)	68
1376	ELEC-8.1.42	Alluminum Bus bars / Strips / accessories	234
1377	ELEC-8.1.43	Alluminum winding wire	322
1378	ELEC-8.1.44	6.2 Volt series bulb (25 Nos.)	91
1379	ELEC-8.1.45	6.2 Volt series bulb with navar plate(25 Nos.)	97
1380	ELEC-8.1.46	Supply of Rotating machine	16500
1381	ELEC-8.1.47	Supply and fixing of 6mm thick MS Chekered plate.	67
1382	ELEC-8.1.48	Supply and fixing of 6mm thick Alluminium Chekered plate.	266
1383	ELEC-8.1.49	Copper old winding Wire scrap for 1 Kg	165
1384	ELEC-8.1.50	Cement	7
1385	ELEC-8.1.51	Hylam Sheet	945
1386	ELEC-8.1.52	Earth work excacvation in all soils for trench, Pole Pit and Earth Pit.	110
1387	ELEC-8.1.53	Cost of Sand	594
1388	ELEC-8.1.54	Cost of Bricks	3819
1389	ELEC-8.1.55	25mm Nominal Bore light grade G.I.Pipe	226
1390	ELEC-8.1.56	25mm Nominal Bore Medium grade G.I.Pipe	242
1391	ELEC-8.1.57	40mm Nominal Bore light grade G.I.Pipe	355
1392	ELEC-8.1.58	40mm Nominal Bore Medium grade G.I.Pipe	381
1393	ELEC-8.1.59	Drilling of 16 Nos through holes of 12mm dia to G.I pipe	6
1394	ELEC-8.1.60	G.I Nuts, Bolts an Washers each set	11
1395	ELEC-8.1.61	18" dia 2" thick hume pipe ring	220
1396	ELEC-8.1.62	18" dia 3" hume pipe ring	275
1397	ELEC-8.1.63	2" thick CC cover for hume pipe ring with handle.	121
1398	ELEC-8.1.64	Supply of Saddle / Clamps suitable for fixing 2 Core 4 to 10 Sqmm Cable.	249
1399	ELEC-8.1.65	Supply of Saddle / Clamps suitable for fixing 4 Core 4 & 6 Sqmm Cable.	249

1400	ELEC-8.1.66	Supply of Saddle / Clamps suitable for fixing 4 Core 10 & 16 Sqmm Cable.	314
1401	ELEC-8.1.67	Supply of Saddle / Clamps suitable for fixing 3.5 Core 25 & 35 Sqmm Cable.	382
1402	ELEC-8.1.68	Supply of Saddle / Clamps suitable for fixing 3.5 Core 50 Sqmm Cable.	545
1403	ELEC-8.1.69	Supply of Saddle / Clamps suitable for fixing 3.5 Core 70 & 95 Sqmm Cable.	605
1404	ELEC-8.1.70	Supply of Saddle / Clamps suitable for fixing 3.5 Core 120 to 185 Sqmm Cable.	726
1405	ELEC-8.1.71	Supply of Saddle / Clamps suitable for fixing 3.5 Core 240 & 300 Sqmm Cable.	908
1406	ELEC-8.1.72	Supply of Saddle / Clamps suitable for fixing 3.5 Core 400 Sqmm Cable.	1210
1407	ELEC-8.1.73	Supply and fixing of Anchor fastner with fan hook / Providing MS Fan hook with grouting and cement plastering.	88
		LABOUR RATES	0
1408	ELEC-8.1.74	Skilled Electrician	480
1409	ELEC-8.1.75	Semi Skilled Electrician / Lineman	375
1410	ELEC-8.1.76	Skilled Mason	420
1411	ELEC-8.1.77	Semi Skilled Mason	375
1412	ELEC-8.1.78	Skilled Welder	420
1413	ELEC-8.1.79	Skilled Fitter	420
1414	ELEC-8.1.80	Semi Skilled Fitter / Welder	375
1415	ELEC-8.1.81	Helper (Electrical)	375
1416	ELEC-8.1.82	Skilled Carpenter	420
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	5
1417	ELEC-8.1.83	Semi Skilled Carpenter	375
1418	ELEC-8.1.84	Man Mazdoor	320
1419	ELEC-8.1.85	DG Set operator/Air Compressor	420
1420	ELEC-8.1.86	2nd Class DG Set operator/Air Com	375
1421	ELEC-8.1.87	Plumber (Licensed)/Pipe Fitter	480
1422	ELEC-8.1.88	Painter Class -2	375
1423	ELEC-8.1.89	Diploma Engineer / Surveyor	600
1424	ELEC-8.1.90	Graduate Engineer	800
1425	ELEC-8.1.91	ITI Certificate holder	495
1426	ELEC-8.1.92	Stenographer / Computer Operator	535
	9.1	WIRELESS FIRE ALARAM SYSTEM	

1427	ELEC-9.1.1	Supply and fixing of wireless smoke detection control panel of 28 wireless zones, 2 Hard wired Zones, Tamper Alert, Pass code protected, RF jamming recognition, diagnostic feature for RF signal strength between panel and each detector, vent reporting using PSTN telephone line, dialing upto 4 telephone numbers, event reporting as per users choice, LCD screen display, two way voice interaction, battery backup stand by time up to 12 hrs. Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell	34253.01
1428	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 including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell.	8090.865
1429	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 including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell.	11327.895
1430	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 including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell.	5663.52
	9.2	ADDRESSABLE - FIRE ALARM SYSTEM	0

1431	ELEC-9.2.1	Supply, Installation, testing and commissioning of wall mounting 10 loop micro processor based analog addressable fire alarm 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 indictions and battery back up as per detailed specifications. Makes: Notifier / Edwards.	529993.125
1432	ELEC-9.2.2	Supply, Installation, testing and commissioning of wall mounting 10 loop micro processor based analog addressable fire alarm 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	493441.875
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	#VALUE!
1	2	3	4.275
		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 indictions and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel.	0

1433	ELEC-9.2.3	Supply, Installation, testing and commissioning of wall mounting 8 loop micro processor based analog addressable fire alarm 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 indictions and battery back up as per detailed specifications. Makes: Notifier / Edwards.	383788.125
1434	ELEC-9.2.4	Supply, Installation, testing and commissioning of wall mounting 8 loop micro processor based analog addressable fire alarm 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 indictions and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel.	343581.75

1435	ELEC-9.2.5	Supply, Installation, testing and commissioning of wall mounting 6 loop micro processor based analog addressable fire alarm 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.	344698.38
1436	ELEC-9.2.6	Supply, Installation, testing and commissioning of wall mounting 6 loop micro processor based analog addressable fire alarm 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	309162.87
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	#VALUE!
1	2	3	4.275
		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 / Ravel.	0

1437	ELEC-9.2.7	Supply, Installation, testing and commissioning of wall mounting 4 loop micro processor based analog addressable fire alarm 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.	230983.38
1438	ELEC-9.2.8	Supply, Installation, testing and commissioning of wall mounting 4 loop micro processor based analog addressable fire alarm 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 / Ravel.	206108.01

1439	ELEC-9.2.9	Supply, Installation, testing and commissioning of wall mounting 2 loop micro processor based analog addressable fire alarm 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 indictions and battery back up as per detailed specifications. Makes: Notifier / Edwards.	201031.875
1440	ELEC-9.2.10	Supply, Installation, testing and commissioning of wall mounting 2 loop micro processor based analog addressable fire alarm 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 indictions and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel.	184076.37
1441	ELEC-9.2.11	Supply, Installation, testing and commissioning of wall mounting 1 loop micro processor based analog addressable fire alarm Control	177679.26
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	#VALUE!
1	2	3	4.275

		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.	0
1442	ELEC-9.2.12	Supply, Installation, testing and commissioning of wall mounting 1 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 1 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel.	160825.5
1443	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.	101531.25
1444	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 / Ravel.	86423.4

1445	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.	4935.06
1446	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 / Ravel.	4386.15
1447	ELEC-9.2.17	Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alarm including the cost of mounting accessories etc. complete. Makes: Notifier / Edwards.	5054.76
1448	ELEC-9.2.18	Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alarm including the cost of mounting accessories etc. complete. Makes: Siemens / Morley / Bosch / Ravel.	4552.875
1449	ELEC-9.2.19	Supply and instillation 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.	4897.44
1450	ELEC-9.2.20	Supply and instillation 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 / Ravel.	4386.15
1451	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.	4325.445
1452	ELEC-9.2.22	Supply and installation of intallegent analogue addressable rate of rise cum fixed temparature heat detectors including the cost of	3898.8
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		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 / Ravel.	

1453	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.	5279.625
1454	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 / Ravel.	4752.09
1455	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.	4467.375
1456	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 / Ravel.	3980.025
1457	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.	4467.375
1458	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 / Ravel.	3980.025
1459	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.	3655.125
1460	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 / Ravel.	3249
	9.3	CONVENTIONAL - FIRE ALARM SYSTEM	
1461	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 Censor / Ravel / Pinnacle.	6412.5

1462	ELEC-9.3.2	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 4 zone, 12V SMF batteries etc., complete with all standard accessories. Makes: System Censor / Ravel / Pinnacle.	7695
1463	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.	10687.5
1464	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.	12397.5
1465	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.	15817.5
1466	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.	17527.5
1467	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.	21375
1468	ELEC-9.3.8	Supply and installation of Repeater panel including the cost of	10687.5
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		mounting accessories complete as per specifications and as required. Makes: System Censor / Ravel / Pinnacle.	
1469	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.	577.125
1470	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.	555.75
1471	ELEC-9.3.11	Supply and installation of response indicators for above false ceiling detectors.	128.25

1472	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	1539
1473	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.	1271.385
1474	ELEC-9.3.14	Supply and installation of plug -in type rate of rise cum fixed temperature heat detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required. Makes: System Censor / Ravel / Pinnacle.	1235.475
	9.4	FIRE EXTINGUISHERS	
1475	ELEC-9.4.1	Supply and fixing of ABC stored pressure squeeze grip type fire extinguishers, 9 kg capacity, IS:15683 : 2006, filled with ABC Mono Ammonium Phosphate base powder-90 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 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes : Cease Fire / Minimax	7848.9
1476	ELEC-9.4.2	Supply and fixing of ABC stored pressure squeeze grip type fire extinguishers, 9 kg capacity, IS:15683 : 2006, filled with ABC Mono Ammonium Phosphate base powder-90 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 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes : Safex / Kenex / Bharat / Reliance	5044.5

1477	ELEC-9.4.3	Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 2 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 3.6 kg, empty wt.1.6 kg, Discharge time minimum 8 sec, controllable discharge mechanism, range min. 2 mts applicable on classes A,B, C & electrically started fire, A rating -2 A, B rating -21 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Minimax	3855.195
1478	ELEC-9.4.4	Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 2 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 3.6 kg, empty wt.1.6 kg, Discharge time minimum 8 sec, controllable discharge mechanism, range min. 2 mts applicable on classes A,B, C & electrically started fire, A rating -2 A, B rating -21 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance	3206.25
1479	ELEC-9.4.5	Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 4 Kg Fire extinguisher, stored pressure type,	5448.06
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		pressure gauge, gross wt. 6.9 kg, empty wt.2.9 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating -3 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Minimax	0

1480	ELEC-9.4.6	Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 4 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 6.9 kg, empty wt.2.9 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating - 3 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance.	3591
1481	ELEC-9.4.7	Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 6 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 9.4 kg, empty wt.3.4 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating - 4 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Minimax	6325.29
1482	ELEC-9.4.8	Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 6 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 9.4 kg, empty wt.3.4 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating - 4 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance.	5386.5

1483	ELEC-9.4.9	Supply and fixing of ISI mark (IS:15683) Ceiling Mounted, Mono ammonium phosphate powder 90 (MAP), 5 Kg fire extinguisher, stored pressure type, pressure gauge, Gross Wt.7.7 kg, Empty Wt.2.7 kg, Discharge time : minimum 8 sec, Auto discharge mechanism on temperature rise, Applicable on class A,B,C, & Electrically - started fires, Can Construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, Internal coating of Can: Epoxy Power coating, External Coating of Can: Epoxy Polyester powder coating, sheet metal thickness:1.60mm , Helium leakage detection tested, with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Minimax.	6156
1484	ELEC-9.4.10	Supply and fixing of ISI mark (IS:15683) Ceiling Mounted, Mono ammonium phosphate powder 90 (MAP), 5 Kg fire extinguisher, stored pressure type, pressure gauge, Gross Wt.7.7 kg, Empty Wt.2.7 kg, Discharge time : minimum 8 sec, Auto discharge mechanism on temperature rise, Applicable on class A,B,C, & Electrically - started fires, Can Construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, Internal coating of Can: Epoxy Power coating, External Coating of Can: Epoxy Polyester powder coating, sheet metal thickness:1.60mm , Helium leakage detection tested, with 5 years warranty Including	5130
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	#VALUE!
1	2	3	4.275
		transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance.	
1485	ELEC-9.4.11	Supply and fixing of ISI mark (IS:15683) Clean Agent HCFC 123, 2 Kg Fire extinguisher , Stored pressure type, pressure guage, gross weight 3.7Kg , empty weight 1.7 Kg, discharge time minimum 8 secs, controllable discharge mechanism, range minimum 2 meters, applicable on class A,B,C and electrically started Fire, A rating- 1A, B rating-21B, 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)	10969.65

1486	ELEC-9.4.12	Supply and fixing of ISI mark (IS:15683) Clean Agent HCFC 123, 4 Kg Fire extinguisher , Stored pressure type, pressure guage, gross weight 6.9Kg , empty weight 2.9 Kg, discharge time minimum 8 secs, controllable discharge mechanism, range minimum 2 meters, applicable on class A,B,C and electrically started Fire, A rating- 1A, B rating-21B, 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)	19309.32
1487	ELEC-9.4.13	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 Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Minimax	8516.655
1488	ELEC-9.4.14	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 Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Reliance	6384.285
1489	ELEC-9.4.15	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.	1795.5
1490	ELEC-9.4.16	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	2650.5

1491	ELEC-9.4.17	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.	3505.5
1492	ELEC-9.4.18	Supply and fixing of Escape signage boards in Rigid Photo luminecent based glow in Dark rigid sheet with high intensity luminous properties with specificaiton. Makes: Cease Fire or its equivalent make Model-1ES01	1111.5
1493	ELEC-9.4.19	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.	12833.55
1494	ELEC-9.4.20	Supply and fixing of 4Nos of 9 Ltrs capacity round bottom sand buckets along with bucket sand, Fire buckets with round bottom	1026
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		type enamel painted, white inside & red out side and letter FIRE inblack out side & Handle with mounting bracket.	
1495	ELEC-9.4.21	Supply and fixing of Fire bucket stand fabricated by M.S. angles to install for two numbers of buckets as per local fire officers standards.	855
1496	ELEC-9.4.22	Supply and installation of manually operated suppression system for all classes of fire with active substance of 3.3 kg and does cooling effect with no re-ignition. The product is eco friendly with minimum life of 15 years . The discharge time should be 25 sec and has net weight of 4.6 kg and has a capacity to cover 60 m ³ and is confirmed to NFPA 2010 and other national and international certificates. Make: SEAARA / AGS / SALAMANDRA.	55575

1497	ELEC-9.4.23	Supply and installation of Auto Detection and suppression system used for all classes of fire with active substance of 1.6 kg. It can be connected with smoke / Heat detector with control panel and hooter with cross zoning facility to kill the fire and does cooling effect with no re-ignition. The product is eco friendly with minimum life of 15 years . The discharge time should be 45 sec and has net weight of 4.6 kg and has a capacity to cover 21 m ³ and is confirmed to NFPA 2010 and other national and international certificates. Make: SEAARA / DSPA / SALAMANDRA	58140
1498	ELEC-9.4.24	Supply and installation of Auto Detection and Suppression system used for all classes of fire with active substance of 5.7 Kg. It can be connected with smoke / Heat detector with control panel and hooter with cross zoning facility to kill the fire and does cooling effect with no re-ignition. The product is eco friendly with minimum life of 15 years . The discharge time should be 165 sec and has net weight of 10.8kg and has a capacity to cover 134 m ³ and is confirmed to NFPA 2010 and other national and international certificates. Make: SEAARA / DSPA / SALAMANDRA	85500
1499	ELEC-9.4.25	Supply and installation of Auto Detection and Suppression system used for all classes of fire with active substance of 3.4 kg. It can be connected with smoke / Heat detector with control panel and hooter with cross zoning facility to kill the fire and does cooling effect with no re-ignition. The product is eco friendly with minimum life of 15 years . The discharge time should be 37 sec and has net weight of 12.5kg and has a capacity to cover 52 m ³ and is confirmed to NFPA 2010 and other national and international certificates. Make: SEAARA / AGS / SALAMANDRA	72675

1500	ELEC-9.4.26	Supply & Fixing of Water Mist 9 Ltr. Fire Extinguisher : Gross Weight – 23.9 kg., Weight of the empty firefighting system without compressed air bottle and bottle valve- 14.9 kg., Can Height – 560 MM,Diameter – 204MM, Weight of the gun- 1.9kg, Nominal charge- 9 Ltr., Recoil – approx. 10N, Extinguishing Media Flow – 0.23 L/ sec, Water Discharge Hose – 13 MM, Discharge time minimum 25 Secs, Range minimum 10 Meters, Compressed Air to Gun – 10 MM, Applicable on Class A, B, C & Electrically started Fires, ARating- 27A, BRating-233B, Compressed air bottle (volume/pressure) - 2L / 300bar, Operating pressure (dynamic) - approx 5.0 bar, Lancing distance of the extinguishing agent-in spray Approx. 7.0 m, in jet mode Approx, 12.0 m. Operation time- approx 40 sec, Extinguishing enhancement agent- Foam Additive, CE and ERDA approved, Sheet Metal Thickness – 1.5MM, 1 Year Warranty. Makes: Cease Fire or Equivalent reputed brand.	149625
1501	ELEC-9.4.27	Supply of Auto Detection and Suppression System using Dry Sprinkler Generator as per standard composition for all classes of fire, with a provision to connect to detect smoke and heat with a obt/ft of 0.5 and flexibility of adjusting it for a temperature of 57/68/93/141 degree centigrade as per the site environment. The Discharge time should be 21 sec. The Generator has a net weight of 1.2 kg. Active Substance of 0.3 kg . The Generator is suitable for Server Room, Electrical Storage and technical appliances, important documents area & etc. approved by NFAP2010, UL & EN. Makes: SEAARA / AGS or equivalent	34200
1502	ELEC-9.4.28	Supply of Aerosol Heat Starter Sprinkler used for Auto Detection and Suppression System for all Class of Fire. The heat Starter Sprinkler has various starter capacity, which ranges from +50c to +163c. The starter can cover up to 18 m2. The product Min Life shall be 15 years. The output power from the Starter is 3v and current 0.6A and operates at a temperature range of - 50c to +80c. The	7267.5
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1	2	3	4.275

		Starter Sprinkler is suitable for Server Room, Electrical Storage and technical appliances, Important documents area etc. Makes : SALAMANDRA / SEAARA / AGS	0
1503	ELEC-9.4.29	Supply, installation, testing and commissioning of Addressable Control panel with monitoring system and provision of interactive TFT color Graphic Display with touch Screen Control and shall have built in feature of Mimic software which works on a Android based technology and a facility to show the layout location of the installation area and prescribed location of the devices during the fire accident. shall have minimum two level password protection. Shall have alert indication for missing device, contaminated device. The control panel shall have real-time clock (RTC) indicate time, date, month & year and along with a provision of Ethernet based circuit as if required. Makes : SALAMANDRA / SEAARA / AGS or equivalent brand	39330
1504	ELEC-9.4.30	Supply, installation, testing and commissioning of Addressable Multi sensor with integrated smoke sensing chamber and heat sensing element. Addressable smoke detector shall operate on light scatter principle. The build-up of dirt or similar contamination on the sensing chamber shall be continually monitored by control panel, when it exceeds predetermined level; the panel has to indicate that the detector is in need of servicing. The detector shall have an integral microprocessor capable of making alarm decision based on alarm level set. The Obs/ft should be 0.5 obs/ft. The detector shall blink when the detector is addressed and glow steady on alarm. The detector shall have provision to alter the sensitivity from the panel.	2137.5
		The detector shall have electronic free base. The detector and base construction shall be made of polycarbonate plastic. The detector shall be capable of reading from the control panel, i.e. health of the detector, alarm level setting. Latching the detector, isolating the detector from the control panel shall be possible. The detector shall preferably have twin LED's for 360 viewing angle. Makes : SALAMANDRA / SEAARA / AGS	

1505	ELEC-9.4.31	Supply, installation, testing and commissioning of addressable Loop Powered Sounder with integral beacon within horn using high intensity LED technology. The sounder beacon shall work with loop power. No separate power supply with cable shall be used. The sounder beacon shall be addressable type. It shall have electronic addressing. No DIP/DIL switches are permitted for address setting in order to avoid unauthorized setting. The construction of the sounder beacon shall be made of polycarbonate plastic. The sounder beacon sound pressure level shall be 85 dB at 10ft. Makes : SALAMANDRA / SEAARA / AGS	2479.5
1506	ELEC-9.4.32	Supply, installation, testing and commissioning of addressable Control Module with built-in LED. The LED shall blink when it is addressed and it shall glow steady when it is actuated and it should have principle of working with NC/NO relay circuit. It should have a cross zoning facility with a inbuilt sounder. The control module shall have electronic addressing. The control contact rating shall be a minimum of 2 amps @ 24V DC (Resistive). The control module shall operate from SLC loop power. No external power/cable shall be used. Makes : SALAMANDRA / SEAARA / AGS	2821.5
	9.5	FIRE HYDRANT AND SPRINKLER SYSTEM	
1507	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	302670
		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.	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		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-9.5.2	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	333450
		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	
1509	ELEC-9.5.3	Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required.	381672
		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	
1510	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	400140

		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 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	
1511	ELEC-9.5.5	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	579690
		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	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		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	
1512	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	651510
		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. Makes of Pumps : Kirloskar / Mather&Platt	
1513	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	229781.25
		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	
1514	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	475593.75
		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	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
1515	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	187031.25
		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 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	

1516	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	379406.25
		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	
1517	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	137868.75
		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	
1518	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	331312.5
		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	
1519	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	47025
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		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	
1520	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	66570.3
		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 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	
1521	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.	53394.75
		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	
1522	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.	41382
		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	
1523	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.	39539.475

		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	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		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	
1524	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.	36373.41
		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	
		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	
1525	ELEC-9.5.19	(a) 250 mm dia	2774.475
1526	ELEC-9.5.20	(b) 200 mm dia 'C' Class	2744.55
1527	ELEC-9.5.21	(c) 200 mm dia 'B' Class	2394
1528	ELEC-9.5.22	(d) 150 mm dia 'C' Class	2052
1529	ELEC-9.5.23	(e) 150 mm dia 'B' Class	1650.15
1530	ELEC-9.5.24	(f) 100 mm dia 'C' Class	1295.325
1531	ELEC-9.5.25	(g) 100 mm dia 'B' Class	1090.125
1532	ELEC-9.5.26	(h) 80 mm dia 'C' Class	855
1533	ELEC-9.5.27	(i) 80 mm dia 'B' Class	765.225
1534	ELEC-9.5.28	(j) 65 mm dia 'C' Class	641.25
1535	ELEC-9.5.29	(k) 65 mm dia 'B' Class	577.125

1536	ELEC-9.5.30	(l) 50 mm dia 'C' Class	513
1537	ELEC-9.5.31	(m) 50 mm dia 'B' Class	453.15
1538	ELEC-9.5.32	(n) 40 mm dia	437.76
1539	ELEC-9.5.33	(o) 32 mm dia 'C' Class	342
1540	ELEC-9.5.34	(p) 32 mm dia 'B' Class	282.15
1541	ELEC-9.5.35	(q) 25 mm dia 'C' Class	256.5
1542	ELEC-9.5.36	(r) 25 mm dia 'B' Class	230.85
1543	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 / Intervalve.	6946.875
		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 / Intervalve.	
1544	ELEC-9.5.38	(a) 250 mm . dia	10708.875
1545	ELEC-9.5.39	(b) 200 mm . dia	4531.5
1546	ELEC-9.5.40	(c) 150 mm dia	3719.25
1547	ELEC-9.5.41	(d) 100 mm dia	2907
1548	ELEC-9.5.42	(e) 80 mm dia	2650.5
		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 / Intervalve.	
1549	ELEC-9.5.43	(a) 200 mm dia	4275
1550	ELEC-9.5.44	(b) 150 mm dia	3420
1551	ELEC-9.5.45	(c) 100 mm dia	3184.875
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1	2	3	4.275
1552	ELEC-9.5.46	(d) 80 mm dia	2992.5
1553	ELEC-9.5.47	(e) 50 mm dia	1473.165
		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 / Intervalve.	
1554	ELEC-9.5.48	(a) 250 mm . dia	14540.985
1555	ELEC-9.5.49	(b) 200 mm . dia	10130.895
1556	ELEC-9.5.50	(c) 150 mm dia	6524.505

1557	ELEC-9.5.51	(d) 100 mm dia	4350.24
1558	ELEC-9.5.52	(e) 80 mm dia	3259.26
1559	ELEC-9.5.53	(f) 50 mm dia	2622.285
		Providing, installation, testing and commissioning of gun metal valves of following sizes as required. Make: Newage/ Winco/ Padmini	
1560	ELEC-9.5.54	(a) 50 mm dia	1496.25
1561	ELEC-9.5.55	(b) 40 mm dia	1197
1562	ELEC-9.5.56	(c) 32 mm dia	1068.75
1563	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. Makes: Newage/ Winco/ Padmini / Safex	5249.7
1564	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. Makes: Newage/ Winco/ Padmini / Safex	4711.05
1565	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.	6412.5
		a) 36.6 Mtr Long 20mm (Nominal internal) dia water hose Thermoplastic / Textile reinforced / Rubber braided / Polypropylene Type - 2 as per IS:12585 Makes: Eversafe/ Reliance/ Newage/ SRI / Safex	
		b) 20mm (Nominal internal) dia gun metal globe valve and nozzle. Makes: Newage/ Winco/ Padmini / Safex.	
		c) Drum and brackets for fixing the equipments on wall.	
		d) Connections from riser with 25mm dia stop valve (gun metal) & MS pipe.	
1566	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	2778.75
1567	ELEC-9.5.61	Supply and fixing 63mm dia Gun metal branch pipe with 20mm (Nominal internal diameter) size Gun metal / SS nozzle conforming to IS 903, suitable for instantaneous connection to interconnect hose pipe coupling as required. Makes: Newage/ Winco/ Padmini / Safex	2163.15

1568	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.	7780.5
1569	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.	5899.5
1570	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.	13680
1571	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 / SAFEX	418.95
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	4.275
1572	ELEC-9.5.66	Providing and fixing of Pressure Switch in the MS pipe Line including connection etc as required. Makes : Danfoss / Indfoss / Approved makes	2137.5
1573	ELEC-9.5.67	Providing and fixing Flow Switches in 100mm dia MS pipe. Makes : System Sensor / Switzer / Approved makes	4595.625
1574	ELEC-9.5.68	Providing and fixing Flow Switches in 150 mm dia MS pipe. Makes : System Sensor / Switzer / Approved makes	6412.5
1575	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. MAKES: HGURU / FIEBIG and Approved makes	577.125
1576	ELEC-9.5.70	Supply, installation, testing and commissioning of 25mm dia Gate valve Makes : Zoloto / Leader / Approved makes	1004.625
1577	ELEC-9.5.71	Supply, installation, testing and commissioning of 25mm dia Ball valve Makes : Zoloto / Leader / Approved makes	555.75
1578	ELEC-9.5.72	Supply, installation, testing and commissioning of 25 / 20mm dia Air Release Valve	1068.75

1579	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 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	8122.5
		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	
1580	ELEC-9.5.75	a) 200mm nominal dia	21195.45
1581	ELEC-9.5.76	b) 150mm nominal dia	11354.4
1582	ELEC-9.5.77	c) 100mm nominal dia	6369.75
1583	ELEC-9.5.78	d) 80mm nominal dia	4360.5
1584	ELEC-9.5.79	Supply and laying of 300mm dia NP2 RCC Hume pipe with Collars for Road crossings	
		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.	
1585	ELEC-9.5.80	a) 150mm nominal dia	38.475
1586	ELEC-9.5.81	b) 100mm nominal dia	34.2
1587	ELEC-9.5.82	c) 80mm nominal dia	25.65
1588	ELEC-9.5.83	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.	51.3
1589	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. Makes: Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells.	94.05
1590	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. Makes: Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells.	128.25

1591	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. Makes: Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells.	215.46
1592	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. Makes: Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells.	182.97
	10.1	GENERATORS SPECIFICATION	
		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	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	
		contineous rating directly coupled Engine and Alternator with guard and mounted on a common base plate of Robust construction and complete with standard 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.	
		<u>A.</u> Alternator : 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. Make: Kirloskar / Stamford / Crompton Greaves / Leroy Somer	

		<u>B.</u> 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 standards	
1593	ELEC-10.1.1	do.....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. (SOR-2013-14-ELEC-10.1.1)	318346.875
1594	ELEC-10.1.2	do.....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. (SOR-2013-14-ELEC-10.1.2)	409303.125
1595	ELEC-10.1.3	do.....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 .	509355
		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 with standard 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.	0
		<u>A.</u> Alternator : . 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. Makes: Kirloskar / Stamford / Crompton Greaves / Leroy Somer	

		<u>B. Diesel Engine</u> : 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 standards	
		<u>C. AMF Control Panel:-</u> AMF control panel shall be fabricated with 16SWG CRCA sheet shall be totally enclosed with dust and Vermin proof, floor mounted / wall mounted type and shall be comprising the following. 01. Voltmeter with selector switch. 02. 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	
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	
1	2	3	

		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	
1596	ELEC-10.1.4	do..... 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 .	636693.75
1597	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 .	864084.375
		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 with standard 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.	
		<u>A</u>. Alternator : 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. Makes: Kirloskar / Stamford / Crompton Greaves / Leroy Somer.	

		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. 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	
		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.	
		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.	
1598	ELEC-10.1.6	do.....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 .	1182431.25
SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	#VALUE!
1	2	3	4.125
1599	ELEC-10.1.7	do.....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	1819125

1600	ELEC-10.1.8	do..... 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	2364862.5
	11.1	UPS SYSTEMS	0
1601	ELEC-11.1.1	Supply and installation of 800VA, 12VDC home UPS system pure sine wave out put, single phase input / Single phase output. Makes: Servomax / Top Power / Amar Raja / Samhitha.	7837.5
1602	ELEC-11.1.2	Supply and installation of 1400VA, 24VDC home UPS system pure sine wave out put, single phase input / Single phase output. Makes: Servomax / Top Power / Amar Raja / Samhitha / Sukhila.	11137.5
1603	ELEC-11.1.3	Supply and installation of 2000VA, 36VDC home UPS system pure sine wave out put, single phase input / Single phase output. Makes: Servomax / Top Power / Amar Raja / Samhitha / Sukhila.	15840
1604	ELEC-11.1.4	Supply and installation of 2.0KVA 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: CONSUL / Power one / Numeric / DB Power / Sukhila.	24255
1605	ELEC-11.1.5	Supply and installation of 3.0KVA, 72VDC 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: CONSUL / Power one / Numeric / DB Power / Sukhila.	32593.275
1606	ELEC-11.1.6	Supply and installation of 5.0KVA, 180/192VDC 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: CONSUL / Power one / Numeric / DB Power / Sukhila.	56306.25
1607	ELEC-11.1.7	Supply and installation of 7.5KVA, 180/192VDC 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: CONSUL / Power one / Numeric / DB Power / Sukhila.	77962.5
1608	ELEC-11.1.8	Supply and installation of 10KVA, 180/192VDC 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: CONSUL / Power one / Numeric / DB Power / Sukhila.	90956.25
1609	ELEC-11.1.9	Supply and providing of UPS cum battery rack up to 4 batteries	1282.5

1610	ELEC-11.1.10	Supply and providing of UPS cum battery rack 5 to 10 batteries	2458.125
1611	ELEC-11.1.11	Supply and providing of UPS cum battery rack upto 11 to 20 batteries	4424.625
1612	ELEC-11.1.12	Supply and fixing of 12V 26 AH SMF battery including wire leads Makes: Quanta / Racket / Exide.	3291.75
1613	ELEC-11.1.13	Supply and fixing of 12V 42 AH SMF battery including wire leads Makes: Quanta / Racket / Exide.	5511.33
1614	ELEC-11.1.14	Supply and fixing of 12V 65 AH SMF battery including wire leads Makes: Quanta / Racket / Exide.	6814.35
1615	ELEC-11.1.15	Supply and fixing of 12V 100 AH SMF battery including wire leads Makes: Quanta / Racket / Exide.	8464.5
1616	ELEC-11.1.16	Supply and fixing of 12V 120 AH SMF battery including wire leads Makes: Quanta / Racket / Exide.	8977.5
1617	ELEC-11.1.17	Supply and fixing of 12V, 120 AH MF battery including wire leads Makes: Amar Raja(Power Zone) or Equivalent model of Exide / Panasonic / Gotech.	8520.075
1618	ELEC-11.1.18	Supply and fixing of 12V, 150 AH MF battery including wire leads Makes: Amar Raja(Power Zone) or Equivalent model of Exide / Panasonic / Gotech.	10901.25
1619	ELEC-11.1.19	Supply and fixing of Push type button motor starter for A.C Units including internal connection and labour charges for Flush Mounting etc.,complete Makes: Legrand	683.145