

Govt., of TELANGANA
SOR 2016-2017 (Electrical)
Without Taxes

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
SECTION - 1				
1.1 M.S. CONDUIT PIPES				
1	ELEC-1.1.1	Supply of ISI, 20mm dia, 16 guage thickness MS conduit pipe. Makes : NAI / Bharath / GB / AKG.	1 Mtr	84.30
2	ELEC-1.1.2	Supply of ISI, 25mm dia, 16 guage thickness MS conduit pipe. Makes : NAI / Bharath / GB / AKG.	1 Mtr	108.00
3	ELEC-1.1.3	Supply of ISI, 32mm dia, 16 guage thickness MS conduit pipe. Makes : NAI / Bharath / GB / AKG.	1 Mtr	152.00
4	ELEC-1.1.4	Supply of ISI, 38mm dia, 16 guage thickness MS conduit pipe. Makes : NAI / Bharath / GB / AKG.	1 Mtr	262.00
5	ELEC-1.1.5	Supply of ISI, 50mm dia, 16 guage thickness MS conduit pipe. Makes : NAI / Bharath / GB / AKG.	1 Mtr	328.00
6	ELEC-1.1.6	Supply of 19 / 20 mm MS Junction box normal range big size long neck.	1 No	23.00
7	ELEC-1.1.7	Supply of 25 mm MS Junction box normal range big size long neck.	1 No	24.00
8	ELEC-1.1.8	Supply of 32 mm MS Junction box normal range big size long neck.	1 No	67.00
9	ELEC-1.1.9	Supply of 40 / 38 mm MS Junction box normal range big size long neck.	1 No	96.00
10	ELEC-1.1.10	Supply of 50 mm MS Junction box normal range big size long neck.	1 No	188.00
11	ELEC-1.1.11	Supply of 25/20mm.MS Junction deep box.	1 No	60.00
12	ELEC-1.1.12	Supply of 32mm.MS Junction deep box.	1 No	105.00
13	ELEC-1.1.13	Supply of 40mm.MS Junction deep box.	1 No	130.00
14	ELEC-1.1.14	Supply of 19/20mm MS Inspection Bends.	1 No	20.00
15	ELEC-1.1.15	Supply of 25mm MS Inspection Bends.	1 No	22.00
16	ELEC-1.1.16	Supply of 32mm MS Inspection Bends.	1 No	49.00
17	ELEC-1.1.17	Supply of 40/38mm MS Inspection Bends.	1 No	77.00
18	ELEC-1.1.18	Supply of 50mm MS Inspection Bends.	1 No	162.00
19	ELEC-1.1.19	Supply of 19/20mm MS Inspection Tee.	1 No	22.00
20	ELEC-1.1.20	Supply of 25mm MS Inspection Tee.	1 No	24.00
21	ELEC-1.1.21	Supply of 32mm MS Inspection Tee.	1 No	67.00
22	ELEC-1.1.22	Supply of 40/38mm MS Inspection Tee.	1 No	81.00
23	ELEC-1.1.23	Supply of 50mm MS Inspection Tee.	1 No	165.00
24	ELEC-1.1.24	Supply of 19/20mm MS Inspection Elbow.	1 No	18.00
25	ELEC-1.1.25	Supply of 25mm MS Inspection Elbow.	1 No	19.00
26	ELEC-1.1.26	Supply of 32mm MS Inspection Elbow.	1 No	51.00
27	ELEC-1.1.27	Supply of 40/38mm MS Inspection Elbow.	1 No	66.00
28	ELEC-1.1.28	Supply of 50mm MS Inspection Elbow.	1 No	150.00
29	ELEC-1.1.29	Supply of MS Inspection 10 Guage G.I. checknut size 19/20mm.	100 Nos	185.00
30	ELEC-1.1.30	Supply of MS Inspection 10 Guage G.I. checknut size 25mm.	100 Nos	235.00
31	ELEC-1.1.31	Supply of MS Inspection 10 Guage G.I. checknut size 32mm.	100 Nos	478.00
32	ELEC-1.1.32	Supply of MS Inspection 10 Guage G.I. checknut size 40/38mm.	100 Nos	718.00
33	ELEC-1.1.33	Supply of MS Inspection 10 Guage G.I. checknut size 50mm.	100 Nos	1135.00
34	ELEC-1.1.34	Supply of 19/20mm Saddles with Base.	100 Nos	180.00
35	ELEC-1.1.35	Supply of 25mm Saddles with Base.	100 Nos	187.00
36	ELEC-1.1.36	Supply of 32mm Saddles with Base.	100 Nos	348.00
37	ELEC-1.1.37	Supply of 40/38mm Saddles with Base.	100 Nos	600.00

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1	2	3	4	
38	ELEC-1.1.38	Supply of 50mm Saddles with Base.	100 Nos	760.00
39	ELEC-1.1.39	Supply of 19/20mm 20 guage Saddles.	100 Nos	99.00
40	ELEC-1.1.40	Supply of 25mm 20 guage Saddles.	100 Nos	127.00
41	ELEC-1.1.41	Supply of 32mm 20 guage Saddles.	100 Nos	208.00
42	ELEC-1.1.42	Supply of 40/38mm 20 guage Saddles.	100 Nos	277.00
43	ELEC-1.1.43	Supply of 50mm 20 guage Saddles.	100 Nos	357.00
44	ELEC-1.1.44	Supply of 19/20mm 16 Guage socket coupler.	12 Nos	51.00
45	ELEC-1.1.45	Supply of 25mm 16 Guage socket coupler.	12 Nos	61.00
46	ELEC-1.1.46	Supply of 32mm 16 Guage socket coupler.	12 Nos	140.00
47	ELEC-1.1.47	Supply of 38mm 16 Guage socket coupler.	12 Nos	255.00
48	ELEC-1.1.48	Supply of 40mm 16 Guage socket coupler.	12 Nos	146.00
49	ELEC-1.1.49	Supply of 50mm 16 Guage socket coupler.	12 Nos	416.00
50	ELEC-1.1.50	Supply of 19mm Ball Socket.	12 Nos	216.00
51	ELEC-1.1.51	Supply of 25mm Ball Socket.	12 Nos	323.00
	1.2	PVC CONDUIT PIPES		
52	ELEC-1.2.1	Supply of ISI 20mm outer dia medium grade, FRLS with IS:9537 part 3 regid PVC pipe. Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.	1 Mtr	16.30
53	ELEC-1.2.2	Supply of ISI 20mm outer dia heavy grade, FRLS with IS:9537 part 3 regid PVC pipe. Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.	1 Mtr	20.60
54	ELEC-1.2.3	Supply of ISI 25mm outer dia medium grade, FRLS with IS:9537 part 3 regid PVC pipe. Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.	1 Mtr	21.60
55	ELEC-1.2.4	Supply of ISI 25mm outer dia heavy grade, FRLS with IS:9537 part 3 regid PVC pipe. Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.	1 Mtr	27.10
56	ELEC-1.2.5	Supply of ISI 32mm outer dia medium grade, FRLS with IS:9537 part 3 regid PVC pipe. Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.	1 Mtr	36.20
57	ELEC-1.2.6	Supply of ISI 40mm outer dia medium grade, FRLS with IS:9537 part 3 regid PVC pipe. Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.	1 Mtr	49.70
58	ELEC-1.2.7	Supply of ISI 50mm outer dia medium grade, FRLS with IS:9537 part 3 regid PVC pipe. Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.	1 Mtr	69.30
59	ELEC-1.2.8	Supply of FRLS Non - ISI 19mm 1.80mm thick regid PVC pipe. Makes : Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1 Mtr	15.70
60	ELEC-1.2.9	Supply of FRLS Non - ISI 25mm 1.80mm thick regid PVC pipe. Makes : Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast.	1 Mtr	20.70
61	ELEC-1.2.10	Supply of 19/20mm width and 12.5mm height Casing and Caping. Makes : Modi with ISI	1 Mtr	21.60
62	ELEC-1.2.11	Supply of 25mm width and 12.5mm height Casing and Caping. Makes : Modi with ISI	1 Mtr	27.10
63	ELEC-1.2.12	Supply of 32mm width and 12.5mm height Casing and Caping. Makes : Modi with ISI	1 Mtr	31.40
64	ELEC-1.2.13	Supply of 38/40mm width and 12.5mm height Casing and Caping. Makes : Modi with ISI	1 Mtr	54.00

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65	ELEC-1.2.14	Supply of Non-ISI 19/20mm width and 12.5mm height Casing and Caping. <i>Makes : Diamond / Durga make.</i>	1 Mtr	14.70
66	ELEC-1.2.15	Supply of Non-ISI 25mm width and 12.5mm height Casing and Caping. <i>Makes : Diamond / Durga make.</i>	1 Mtr	15.70
67	ELEC-1.2.16	Supply of 20mm PVC Flexible Pipe.	1 Mtr	3.10
68	ELEC-1.2.17	Supply of 25mm PVC Flexible Pipe.	1 Mtr	4.20
69	ELEC-1.2.18	Supply of 32mm PVC Flexible Pipe.	1 Mtr	5.20
70	ELEC-1.2.19	Supply of 40mm PVC Flexible Pipe.	1 Mtr	10.40
71	ELEC-1.2.20	Supply of 50mm PVC Flexible Pipe.	1 Mtr	16.50
72	ELEC-1.2.21	Supply of 19/20mm PVC Flexible Couplings.	1 No	9.00
73	ELEC-1.2.22	Supply of 25mm PVC Flexible Couplings.	1 No	12.00
74	ELEC-1.2.23	Supply of 32mm PVC Flexible Couplings.	1 No	24.00
75	ELEC-1.2.24	Supply of 40/38mm PVC Flexible Couplings.	1 No	25.00
76	ELEC-1.2.25	Supply of 50mm PVC Flexible Couplings.	1 No	52.00
77	ELEC-1.2.26	Supply of 19/20mm PVC Junction Boxes Normal.	1 No	14.00
78	ELEC-1.2.27	Supply of 25mm PVC Junction Boxes Normal.	1 No	16.00
79	ELEC-1.2.28	Supply of 32mm PVC Junction Boxes Normal.	1 No	29.00
80	ELEC-1.2.29	Supply of 40mm PVC Junction Boxes Normal.	1 No	31.00
81	ELEC-1.2.30	Supply of 50mm PVC Junction Boxes Normal.	1 No	43.00
82	ELEC-1.2.31	Supply of PVC Junction Boxes Deep size 19/20mm.	1 No	19.00
83	ELEC-1.2.32	Supply of PVC Junction Boxes Deep size 25mm.	1 No	21.00
84	ELEC-1.2.33	Supply of PVC Junction Boxes Deep size 32mm.	1 No	34.00
85	ELEC-1.2.34	Supply of PVC Junction Boxes Deep size 40/38mm.	1 No	37.00
86	ELEC-1.2.35	Supply of PVC Junction Boxes Deep size 50mm.	1 No	54.00
87	ELEC-1.2.36	Supply of 19/20mm dia 1.5mm thick PVC Bends. <i>Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.</i>	1 No	3.40
88	ELEC-1.2.37	Supply of 25mm dia 1.5mm thick PVC Bends. <i>Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.</i>	1 No	5.10
89	ELEC-1.2.38	Supply of 32mm dia 2.0mm thick PVC Bends. <i>Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.</i>	1 No	13.60
90	ELEC-1.2.39	Supply of 40mm dia 2.0mm thick PVC Bends. <i>Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.</i>	1 No	16.20
91	ELEC-1.2.40	Supply of 50mm dia 2.0mm thick PVC Bends. <i>Makes : Sudhakar / GM / Modi / AKG / VIP / Million Plast.</i>	1 No	24.00
92	ELEC-1.2.41	Dummy Cover to PVC junction boxes 1.3 HOT DIP GALVANIZED METAL BOXES (MODULAR)	1 No	3.40
93	ELEC-1.3.1	Supply of 1 or 2 Module box	1 No	48.00
94	ELEC-1.3.2	Supply of 3 Module box	1 No	68.00
95	ELEC-1.3.3	Supply of 4 Module box	1 No	82.00
96	ELEC-1.3.4	Supply of 6 Module box	1 No	111.00
97	ELEC-1.3.5	Supply of 8 or 9 Module box Horizontal/Vertical.	1 No	145.00
98	ELEC-1.3.6	Supply of 12 Module box METALLIC BOXES (MS)	1 No	178.00
99	ELEC-1.3.7	Supply of 4" x 4" Metal Box	1 No	45.00
100	ELEC-1.3.8	Supply of 4" x 7" Metal Box	1 No	54.00
101	ELEC-1.3.9	Supply of 6" x 6" Metal Box	1 No	67.00
102	ELEC-1.3.10	Supply of 6" x 8" Metal Box	1 No	89.00
103	ELEC-1.3.11	Supply of 10" x 8" Metal Box	1 No	157.00
104	ELEC-1.3.12	Supply of 10" x 12" Metal Box	1 No	201.00

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1	2	3	4	
1.4 T.W. BOARDS				
105	ELEC-1.4.1	Supply of T.W.Deep Box of Size 4" x 4"	1 No	8.00
106	ELEC-1.4.2	Supply of T.W.Deep Box of Size 4" x 7"	1 No	15.00
107	ELEC-1.4.3	Supply of T.W.Deep Box of Size 6" x 6"	1 No	19.00
108	ELEC-1.4.4	Supply of T.W.Deep Box of Size 6" x 8"	1 No	25.00
109	ELEC-1.4.5	Supply of T.W.Deep Box of Size 8" x 10"	1 No	41.00
110	ELEC-1.4.6	Supply of T.W.Deep Box of Size 10" x 12"	1 No	62.00
111	ELEC-1.4.7	Supply of T.W.Deep Box of Size 12" x 15"	1 No	93.00
112	ELEC-1.4.8	Supply of Decolam Board of Size 4" x 4"	1 No	12.00
113	ELEC-1.4.9	Supply of Decolam Board of Size 4" x 7"	1 No	21.00
114	ELEC-1.4.10	Supply of Decolam Board of Size 6" x 6"	1 No	28.00
115	ELEC-1.4.11	Supply of Decolam Board of Size 6" x 8"	1 No	37.00
116	ELEC-1.4.12	Supply of Decolam Board of Size 8" x 10"	1 No	62.00
117	ELEC-1.4.13	Supply of Decolam Board of Size 10" x 12"	1 No	93.00
118	ELEC-1.4.14	Supply of Decolam Board of Size 12" x 15"	1 No	140.00
119	ELEC-1.4.15	Supply of Peeta Board of Size 9" x 14"	1 No	45.00
120	ELEC-1.4.16	Supply of Peeta Board of Size 12" x 10"	1 No	43.00
121	ELEC-1.4.17	Supply of Peeta Board of Size 15" x 20"	1 No	155.00
122	ELEC-1.4.18	Supply of Peeta Board of Size 18" x 24"	1 No	223.00
123	ELEC-1.4.19	Supply of Peeta Board of Size 18" x 30"	1 No	278.00
124	ELEC-1.4.20	Supply of No.8 Screws of 12mm.	100 Nos	50.00
125	ELEC-1.4.21	Supply of No.8 Screws of 25mm.	100 Nos	61.00
126	ELEC-1.4.22	Supply of No.8 Screws of 30mm.	100 Nos	76.00
127	ELEC-1.4.23	Supply of No.8 Screws of 35/38mm.	100 Nos	82.00
128	ELEC-1.4.24	Supply of No.8 Screws of 50mm.	100 Nos	92.00
129	ELEC-1.4.25	Supply of No.8 Screws of 63/75mm.	100 Nos	111.00
1.5 COPPER FLEXIBLE CABLES (AS PER IS:694)				
130	ELEC-1.5.1	Supply of 14/0.3mm (1.0 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes : Finolex / RR kabel / Havells / APAR EBXL.	100 Mtrs	894.00
		Makes : Polycab / HPL / RPG / Kundancab / Nakoda / Anchor / V-Guard / GM / Million / Gold Medal / Power Flex / Fine Cab / Sun Cab / Fortune Art / Bonton / Gloster / Gemini / Uniflex / Great White.	100 Mtrs	786.00
		Makes : Nandicab / Benlo / Khanthi / Vimal.	100 Mtrs	678.00
131	ELEC-1.5.2	Supply of 22/0.3mm (1.5 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes : Finolex / RR kabel / Havells / APAR EBXL.	100 Mtrs	1323.00
		Makes : Polycab / HPL / RPG / Kundancab / Nakoda / Anchor / V-Guard / GM / Million / Gold Medal / Power Flex / Fine Cab / Sun Cab / Fortune Art / Bonton / Gloster / Gemini / Uniflex / Great White.	100 Mtrs	1156.00
		Makes : Nandicab / Benlo / Khanthi / Vimal.	100 Mtrs	979.00
132	ELEC-1.5.3	Supply of 36/0.3mm (2.5 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes : Finolex / RR kabel / Havells / APAR EBXL.	100 Mtrs	2136.00
		Makes : Polycab / HPL / RPG / Kundancab / Nakoda / Anchor / V-Guard / GM / Million / Gold Medal / Power Flex / Fine Cab / Sun Cab / Fortune Art / Bonton / Gloster / Gemini / Uniflex / Great White.	100 Mtrs	1868.00
		Makes : Nandicab / Benlo / Khanthi / Vimal.	100 Mtrs	1580.00
133	ELEC-1.5.4	Supply of 56/0.3mm (4.0 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable.		

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		Makes : Finolex / RR kabel / Havells / APAR EBXL.	100 Mtrs	3262.00
		Makes : Polycab / HPL / RPG / Kundancab / Nakoda / Anchor / V-Guard / GM / Million / Gold Medal / Power Flex / Fine Cab / Sun Cab / Fortune Art / Bonton / Gloster / Gemini / Uniflex / Great White.	100 Mtrs	2860.00
134	ELEC-1.5.5	Supply of 84/0.3mm (6.0 Sqmm) FRLS / HFFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable.	100 Mtrs	2368.00
		Makes : Nandicab / Benlo / Khanthi / Vimal.	100 Mtrs	2368.00
		Makes : Finolex / RR kabel / Havells / APAR EBXL.	100 Mtrs	4960.00
		Makes : Polycab / HPL / RPG / Kundancab / Nakoda / Anchor / V-Guard / GM / Million / Gold Medal / Power Flex / Fine Cab / Sun Cab / Fortune Art / Bonton / Gloster / Gemini / Uniflex / Great White.	100 Mtrs	4468.00
135	ELEC-1.5.6	Supply of 140/0.3mm (10.0 Sqmm) PVC FRLS / HFFR insulated flexible Copper cable.	100 Mtrs	3664.00
		Makes : Nandicab / Benlo / Khanthi / Vimal.	100 Mtrs	3664.00
		Makes : Finolex / RR kabel / Havells / APAR EBXL.	100 Mtrs	7685.00
		Makes : Polycab / HPL / RPG / Kundancab / Nakoda / Anchor / V-Guard / GM / Million / Gold Medal / Power Flex / Fine Cab / Sun Cab / Fortune Art / Bonton / Gloster / Gemini / Uniflex / Great White.	100 Mtrs	6791.00
136	ELEC-1.5.7	Supply of 126/0.4mm (16.0 Sqmm) PVC FRLS / HFFR insulated flexible Copper cable	100 Mtrs	5808.00
		Makes : Nandicab / Benlo / Khanthi / Vimal.	100 Mtrs	5808.00
		Makes : Finolex / RR kabel / Havells / APAR EBXL.	100 Mtrs	12153.00
		Makes : Polycab / HPL / RPG / Kundancab / Nakoda / Anchor / V-Guard / GM / Million / Gold Medal / Power Flex / Fine Cab / Sun Cab / Fortune Art / Bonton / Gloster / Gemini / Uniflex / Great White.	100 Mtrs	11260.00
		Makes : Nandicab / Benlo / Khanthi / Vimal.	100 Mtrs	8936.00
137	1.5.8	SHEATHED FLEXIBLE COPPER CABLES Supply of PVC Insulated and FRLS Round Sheathed Multi Core Bright Annealed Bare Copper Conductor Heavy Duty Industrial Cables for Voltage Grade upto 1100 Volts as per IS: 694:1990 including all transportation charges etc complete. Makes : Finolex / RR kabel / Havells / Polycab / RPG / KEI / Nakoda.		
	a	25 Sqmm Single Core	1 RM	145.00
	b	35 Sqmm Single Core	1 RM	204.00
	c	50 Sqmm Single Core	1 RM	289.00
	d	70 Sqmm Single Core	1 RM	400.00
	e	1.5 Sqmm (22/0.3mm)2 core	1 RM	36.00
	f	2.5 Sqmm (36/0.3mm) 2 Core	1 RM	57.00
	g	4.0 Sqmm (56/0.3) 2 Core	1 RM	77.00
	h	6.0 Sqmm (84/0.3) 2 Core	1 RM	119.00
	i	4.0 Sqmm (56/0.3) 2 Core	1 RM	85.00
	j	6.0 Sqmm (84/0.3) 2Core	1 RM	132.00
	k	10.0 Sqmm (80/0.4) 2 Core	1 RM	170.00
	l	16.0 Sqmm(126/0.4) 2 Core	1 RM	213.00
	m	1.5 Sqmm (22/0.3mm) 3 core	1 RM	48.00
	n	2.5 Sqmm (36/0.3mm)3 Core	1 RM	83.00
	o	4.0 Sqmm (56/0.3) 3 Core	1 RM	109.00
	p	6.0 Sqmm (84/0.3) 3 Core	1 RM	145.00
	q	10.0 Sqmm (80/0.4) 3 Core	1 RM	186.00
	r	16.0 Sqmm(126/0.4) 3 Core	1 RM	294.00
	s	1.5 Sqmm (22/0.3mm)4 Core	1 RM	63.00

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	t	2.5 Sqmm (36/0.3mm) 4 Core	1 RM	95.00
	u	4.0 Sqmm (56/0.3) 4 Core	1 RM	145.00
	v	6.0 Sqmm (84/0.3) 4 Core	1 RM	230.00
	w	10.0 Sqmm (80/0.4) 4 Core	1 RM	340.00
	x	16.0 Sqmm(126/0.4) 4 Core	1 RM	443.00
	y	25.0 Sqmm(196/0.4) 4 Core	1 RM	723.00
	z	35.0 Sqmm(276.04) 4 Core	1 RM	1084.00
	aa	50.0 Sqmm(396/0.4) 4 Core	1 RM	1437.00
	ab	70.0 Sqmm(354/0.5) 4 Core	1 RM	2025.00
138	1.5.9	Supply of PVC Insulated, Flexible Armouring Flexible Copper cable -----,, Cores including all transportation charges etc complete. Makes : Finolex / RR kabel / Havells / Polycab / RPG / KEI / Nakoda.		
	a	4.0 Sqmm (56/0.3) 2 Core	1 RM	103.00
	b	6.0 Sqmm (84/0.3) 2 Core	1 RM	145.00
	c	10.0 Sqmm (80/0.4) 2 Core	1 RM	204.00
	d	16.0 Sqmm(126/0.4) 2 Core	1 RM	283.00
	e	4.0 Sqmm (56/0.3) 3 Core	1 RM	121.00
	f	6.0 Sqmm (84/0.3) 3 Core	1 RM	172.00
	g	10.0 Sqmm (80/0.4) 3 Core	1 RM	213.00
	h	16.0 Sqmm(126/0.4) 3 Core	1 RM	301.00
	i	2.5 Sqmm (50/0.25) 4 Core	1 RM	119.00
	j	4.0 Sqmm (56/0.3) 4 Core	1 RM	175.00
	k	6.0 Sqmm (84/0.3) 4 Core	1 RM	248.00
	l	10.0 Sqmm (80/0.4) 4 Core	1 RM	383.00
	m	16.0 Sqmm(126/0.4) 4 Core	1 RM	648.00
	n	25.0 Sqmm(196/0.4) 4 Core	1 RM	100.00
	o	35.0 Sqmm(276.04) 4 Core	1 RM	1372.00
	p	50.0 Sqmm(396/0.4) 4 Core	1 RM	1947.00
	q	70.0 Sqmm(354/0.5) 4 Core	1 RM	2994.00
	1.6	SERVICE MAINS AND FLAT CABLE OF ISI FOR SUBMERSIBLE MOTORS.		
139	ELEC-1.6.1	Supply of 2.5 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes : Finolex / RR Kabel / Havells / Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Nakoda / Payal / Finecab / Gemini / Vimal.	100 Mtrs	627.00
140	ELEC-1.6.2	Supply of 6 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes : Finolex / RR Kabel / Havells / Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Nakoda / Payal / Finecab / Gemini / Vimal.	100 Mtrs	1274.00
141	ELEC-1.6.3	Supply of 10 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes : Finolex / RR Kabel / Havells / Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Nakoda / Payal / Finecab / Gemini / Vimal.	100 Mtrs	1371.00
142	ELEC-1.6.4	Supply of 16 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes : Finolex / RR Kabel / Havells / Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Nakoda / Payal / Finecab / Gemini / Vimal.	100 Mtrs	2292.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
143	ELEC-1.6.5	Supply of 6 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes : Finolex / RR Kabel / Havells / Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Nakoda / Payal / Finecab / Gemini / Vimal.	100 Mtrs	2568.00
144	ELEC-1.6.6	Supply of 10 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes : Finolex / RR Kabel / Havells / Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Nakoda / Payal / Finecab / Gemini / Vimal.	100 Mtrs	3088.00
145	ELEC-1.6.7	Supply of 16 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes : Finolex / RR Kabel / Havells / Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Nakoda / Payal / Finecab / Gemini / Vimal.	100 Mtrs	5791.00
146	ELEC-1.6.8	Supply of 23 / 0060 twin core twisted / flat heavy Copper wire. Makes : Finolex / RR Kabel / Havells / Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Nakoda / Payal / Finecab / Gemini / Vimal.	100 Mtrs	885.00
147	ELEC-1.6.9	Supply of 3 Core 1.5 Sqmm Flat Copper cable of ISI for Submersible Motors. Makes : Finolex / RR Kabel / Havells / Nakoda. Makes : Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Payal / Finecab / Gemini / Vimal.	100 Mtrs 100 Mtrs	4865.00 4621.00
148	ELEC-1.6.10	Supply of 3 Core 2.5 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes : Finolex / RR Kabel / Havells / Nakoda. Makes : Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Payal / Finecab / Gemini / Vimal.	100 Mtrs 100 Mtrs	7471.00 7098.00
149	ELEC-1.6.11	Supply of 3 Core 4.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes : Finolex / RR Kabel / Havells / Nakoda. Makes : Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Payal / Finecab / Gemini / Vimal.	100 Mtrs 100 Mtrs	11206.00 10647.00
150	ELEC-1.6.12	Supply of 3 Core 6.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes : Finolex / RR Kabel / Havells / Nakoda. Makes : Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Payal / Finecab / Gemini / Vimal.	100 Mtrs 100 Mtrs	16514.00 15685.10
151	ELEC-1.6.13	Supply of 3 Core 10.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes : Finolex / RR Kabel / Havells / Nakoda. Makes : Polycab / GM / Million / V-Guard / Gold Medal / Kundancab / HPL / RPG / Nandicab / Payal / Finecab / Gemini / Vimal.	100 Mtrs 100 Mtrs	26836.00 25500.00
	1.7	FLUSH TYPE SWITCHES AND ACCESSORIES		
152	ELEC-1.7.1	Supply of 6A 1 Way flush type Switch. Makes : GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No 1 No	14.00 12.00
153	ELEC-1.7.2	Supply of 6A 2 Way flush type Switch.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	1 No	16.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	15.00
154	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	1 No	16.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	12.00
155	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	1 No	21.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	16.00
156	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	1 No	16.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	14.00
157	ELEC-1.7.6	Supply of 6A Triangle Plug Top .		
		Makes : GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	1 No	28.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	22.00
158	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	1 No	16.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	14.00
159	ELEC-1.7.8	Supply of 16A flush type Switch.		
		Makes : GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	1 No	51.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	43.00
160	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	1 No	51.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	43.00
161	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	1 No	80.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	67.00
162	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	1 No	39.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	35.00
163	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	1 No	173.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	142.00
164	ELEC-1.7.13	Supply of 3 Plate Jumbo Ceiling Rose.		
		Makes : Anchor / Gold Medal Olive / Million Zoom.	1 No	16.00
		Makes : Vimal / Maru Mantero / Starex Smile / CPL.	1 No	13.00
165	ELEC-1.7.14	Supply of BH / SBH.		
		Makes : Anchor / Gold Medal Olive / Million Zoom.	1 No	16.00
166	ELEC-1.7.15	Supply of Pendent Holder / Adopter.		
		Makes : Anchor / Gold Medal Olive / Million Zoom.	1 No	13.00
167	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	1 No	38.00
168	ELEC-1.7.17	Supply of TV Antenna Outlet.		
		Makes : GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	1 No	20.00
169	ELEC-1.7.18	Supply of 15A/10A Flush type Fuse.		
		Makes : GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	1 No	25.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
170	ELEC-1.7.19	Supply of 32A DP Flush type Makes : GM / Million / Gold Medal / Maru Mantero / Anchor Penta Cherry / Great white. Makes : GM / Gold Medal / Anchor / Great White/ Milltec / Vimal / Maru / Star.	1 No	83.00
			1 No	67.00
171	ELEC-1.7.20	Supply of Calling Bell Makes : GM / Million / Gold Medal / Anchor / Great white.	1 No	39.00
172	ELEC-1.7.21	Supply of Buzzer. Makes : GM / Million / Gold Medal / Anchor / Great white.	1 No	35.00
173	ELEC-1.7.22	Supply of Ding Dong Bell. Makes : GM / Million / Gold Medal / Anchor / Great white.	1 No	80.00
174	ELEC-1.7.23	Supply of Electronic Musical Bell. Makes : GM / Million / Gold Medal / Anchor / Great white.	1 No	189.00
175	ELEC-1.7.24	Supply of Remote Bell. Makes : GM / Million / Gold Medal / Anchor / Great white.	1 No	354.00
176	ELEC-1.7.25	Supply of MC Holder. Makes : GM / Million / Gold Medal / Anchor / Great white.	1 No	16.00
177	ELEC-1.7.26	Supply of Spike Guard with 1 No Switch and 4 Nos Sockets. Makes : GM / Million / Gold Medal / Anchor / Great white.	1 No	244.00
178	ELEC-1.7.27	Supply of Spike Guard with 4 No Switches and 4 Nos Sockets. Makes : GM / Million / Gold Medal / Anchor / Great white.	1 No	323.00
	1.8	MINI MODULAR SWITCHES AND ACCESSORIES		
179	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 / Uniflex.	1 No	18.00
180	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 / Uniflex.	1 No	20.00
181	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 / Uniflex.	1 No	19.00
182	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 / Uniflex.	1 No	28.00
183	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 / Uniflex.	1 No	22.00
184	ELEC-1.8.6	Supply of 6A Mini Modular Bed Switch / Bell Push with Cover Frame. Makes : GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White / Uniflex.	1 No	20.00
185	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 / Uniflex.	1 No	22.00
186	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 / Uniflex.	1 No	31.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
187	ELEC-1.8.9	Supply of 16A Mini Modular Switch with Cover Frame. Makes : GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White / Uniflex.	1 No	63.00
188	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 / Uniflex.	1 No	87.00
189	ELEC-1.8.11	Supply of 16A Triangle Top with Cover Frame. Makes : GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White / Uniflex.	1 No	39.00
190	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 / Uniflex.	1 No	189.00
191	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 / Uniflex.	1 No	42.00
192	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 / Uniflex.	1 No	28.00
193	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 / Uniflex.	1 No	31.00
	1.9	MODULAR SWITCHES AND ACCESSORIES		
194	ELEC-1.9.1	Supply of 6A / 10A 1 Way 1 Module Modular Switch Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	72.00
			1 No	50.00
195	ELEC-1.9.2	Supply of 6A / 10A 2 Way 1 Module Modular Switch. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	79.00
			1 No	59.00
196	ELEC-1.9.3	Supply of 6A / 10A 2 Pin 2 Module Modular Socket. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	73.00
			1 No	50.00
197	ELEC-1.9.4	Supply of 6A / 10A 3/2 Pin 2 Module Modular Socket with shutter. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	111.00
			1 No	73.00
198	ELEC-1.9.5	Supply of 6A / 10A 1 Module Modular Switch with Neon Indicator. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	92.00
			1 No	59.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
199	ELEC-1.9.6	Supply of 6A / 10A Modular Bell Push with Neon Indicator. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No 1 No	108.00 71.00
200	ELEC-1.9.7	Supply of 16A / 10A Modular Flush Fuse with Neon Indicator. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No 1 No	99.00 65.00
201	ELEC-1.9.8	Supply of 16A / 20A 1 Way 1 Module Modular Switch. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No 1 No	99.00 65.00
202	ELEC-1.9.9	Supply of 16A / 20A 2 Way 1 Module Modular Switch. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No 1 No	109.00 75.00
203	ELEC-1.9.10	Supply of 20A 1 Way 1 Module Modular Switch with Indicator. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No 1 No	109.00 72.00
204	ELEC-1.9.11	Supply of 20A 2 Module Modular Socket with shutter. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No 1 No	148.00 105.00
205	ELEC-1.9.12	Supply of 16A/6A 1 way 2 Module Combi Socket Modular Socket with shutter. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No 1 No	154.00 106.00
206	ELEC-1.9.13	Supply of 16A Triangle Top. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No 1 No	124.00 51.00
207	ELEC-1.9.14	Supply of 1 Module Modular type Electronic step type Fan Regulator. Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No 1 No	372.00 295.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
208	ELEC-1.9.15	Supply of Modular socket type Telephone jack with Connector. Makes : GM Four-Five / Legrand Arteor / Schneider Zencelo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	79.00
			1 No	51.00
209	ELEC-1.9.16	Supply of Modular co-Axial socket type TV Antenna outlet. Makes : GM Four-Five / Legrand Arteor / Schneider Zencelo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	77.00
			1 No	50.00
		MODULAR COVER FRAMES		
210	ELEC-1.9.17	Supply of 1 or 2 Modular Cover Frame. Makes : GM Four-Five / Legrand Arteor / Schneider Zencelo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	51.00
			1 No	44.00
211	ELEC-1.9.18	Supply of 3 Modular Cover Frame. Makes : GM Four-Five / Legrand Arteor / Schneider Zencelo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	61.00
			1 No	54.00
212	ELEC-1.9.19	Supply of 4 Modular Cover Frame. Makes : GM Four-Five / Legrand Arteor / Schneider Zencelo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	70.00
			1 No	64.00
213	ELEC-1.9.20	Supply of 6 Modular Cover Frame. Makes : GM Four-Five / Legrand Arteor / Schneider Zencelo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	102.00
			1 No	85.00
214	ELEC-1.9.21	Supply of 8 Modular Horizontal / Vertical Cover Frame. Makes : GM Four-Five / Legrand Arteor / Schneider Zencelo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	135.00
			1 No	108.00
215	ELEC-1.9.22	Supply of 12 Modular Vertical Cover Frame. Makes : GM Four-Five / Legrand Arteor / Schneider Zencelo / Honeywell Blenge Plus. Makes : Legrand Myrius / Cabtree Verona / Million / Logus / Gold Medal Curve / Anchor Roma viola / CPL / Great White / Vimal.	1 No	165.00
			1 No	131.00
		SECTION - 2		
	2.1	PANEL MOUNTING SWITCH DISCONNECTOR FUSE UNITS		
		(SDFU) AS PER IS: 13947		
216	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 Makes : Havells / HPL / Indo Asian / Standard / Vimal.	1 No	1064.00
			1 No	889.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
217	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 Makes : Havells / HPL / Indo Asian / Standard / Vimal.	1 No 1 No	1834.00 1332.00
218	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 Makes : Havells / HPL / Indo Asian / Standard / Vimal.	1 No 1 No	4392.00 3013.00
219	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 Makes : Havells / HPL / Indo Asian / Standard / Vimal.	1 No 1 No	5732.00 4553.00
220	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 Makes : Havells / HPL / Indo Asian / Standard / Vimal.	1 No 1 No	6882.00 5135.00
221	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 Makes : Havells / HPL / Indo Asian / Standard / Vimal.	1 No 1 No	10594.00 7842.00
222	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 Makes : Havells / HPL / Indo Asian / Standard / Vimal.	1 No 1 No	17920.00 13022.00
2.2		ON LOAD CHANGEOVER SWITCHES (OPEN EXECUTION) AS PER IS:13947		
223	ELEC-2.2.1	Supply of 63A 4 Pole Change Over Switch on Load with open Execution. Makes : Socomec / L & T Makes : ABB / GE / Siemens / Havells / Indo Asian / HPL / Standard / C&S / Benlo.	1 No 1 No	3256.00 2952.00
224	ELEC-2.2.2	Supply of 125A 4 Pole Change Over Switch on Load with open Execution. Makes : Socomec / L & T Makes : ABB / GE / Siemens / Havells / Indo Asian / HPL / Standard / C&S / Benlo.	1 No 1 No	6164.00 5735.00
225	ELEC-2.2.3	Supply of 200A 4 Pole Change Over Switch on Load with open Execution. Makes : Socomec / L & T Makes : ABB / GE / Siemens / Havells / Indo Asian / HPL / Standard / C&S / Benlo.	1 No 1 No	8247.00 7590.00
226	ELEC-2.2.4	Supply of 250A 4 Pole Change Over Switch on Load with open Execution. Makes : Socomec / L & T Makes : ABB / GE / Siemens / Havells / Indo Asian / HPL / Standard / C&S / Benlo.	1 No 1 No	11720.00 10794.00
227	ELEC-2.2.5	Supply of 400A 4 Pole Change Over Switch on Load with open Execution. Makes : Socomec / L & T Makes : ABB / GE / Siemens / Havells / Indo Asian / HPL / Standard / C&S / Benlo.	1 No 1 No	17883.00 16782.00
228	ELEC-2.2.6	Supply of 630A 4 Pole Change Over Switch on Load with open Execution. Makes : Socomec / L & T Makes : ABB / GE / Siemens / Havells / Indo Asian / HPL / Standard / C&S / Benlo.	1 No 1 No	21270.00 20155.00
229	ELEC-2.2.7	Supply of 32A 4 Pole Change Over Switch on Load with open Execution.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : ABB / GE / Siemens / Havells / Indo Asian / HPL / Standard / C&S / Benlo.	1 No	1132.00
	2.3	OFF LOAD CHANGE OVER SWITCHES IN SS ENCLOSURE AS PER IS:13947		
230	ELEC-2.3.1	Supply of 32A 240V DP Off load Changeover Switch in sheet steel enclosure. Makes : HPL / Havells / Indo Asian Makes : Million / Benlo / Gold Medal / Star/ Standard / C&S.	1 No 1 No	1038.00 598.00
231	ELEC-2.3.2	Supply of 63A 415V FP Off load Changeover Switch in sheet steel enclosure. Makes : HPL / Havells / Indo Asian Makes : Million / Benlo / Gold Medal / Star/ Standard / C&S.	1 No 1 No	3617.00 2102.00
232	ELEC-2.3.3	Supply of 100A 415V FP Off load Changeover Switch in sheet steel enclosure. Makes : HPL / Havells / Indo Asian Makes : Million / Benlo / Gold Medal / Star/ Standard / C&S.	1 No 1 No	5516.00 3952.00
	2.4	REWIRABLE / DOUBLE BREAK SWITCHES IN SS ENCLOSURE AS PER IS:13947		
233	ELEC-2.4.1	Supply of 32A 240V SPN Rewirable Fuse Switch in SS enclosure. Makes : HPL / Havells / Indo Asian Makes : GM / Million / Sputnik / Sigma / Gold Medal / Benlo / Star.	1 No 1 No	737.00 488.00
234	ELEC-2.4.2	Supply of 32A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes : HPL / Havells / Indo Asian Makes : GM / Million / Sputnik / Sigma / Gold Medal / Benlo / Star.	1 No 1 No	1139.00 813.00
235	ELEC-2.4.3	Supply of 63A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes : HPL / Havells / Indo Asian Makes : GM / Million / Sputnik / Sigma / Gold Medal / Benlo / Star.	1 No 1 No	2600.00 1850.00
236	ELEC-2.4.4	Supply of 100A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes : HPL / Havells / Indo Asian Makes : GM / Million / Sputnik / Sigma / Gold Medal / Benlo / Star.	1 No 1 No	4841.00 3606.00
237	ELEC-2.4.5	Supply of 100A 415V TPN Double Break Switch in SS enclosure without fuses. Makes : HPL / Havells / Indo Asian Makes : GM / Million / Sputnik / Sigma / Gold Medal / Benlo / Star.	1 No 1 No	4874.00 3724.00
238	ELEC-2.4.6	Supply of 200A 415V TPN Double Break Switch in SS enclosure without fuses. Makes : HPL / Havells / Indo Asian Makes : GM / Million / Sputnik / Sigma / Gold Medal / Benlo / Star.	1 No 1 No	7106.00 6100.00
	2.5	HRC FUSE LINKS (BOLTED TYPE)		
239	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.	1 No	39.00
240	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.	1 No	61.00
241	ELEC-2.5.3	Supply of 125A to 200A HRC Fuse Links.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian.	1 No	195.00
242	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.	1 No	286.00
243	ELEC-2.5.5	Supply of 400A HRC Fuse Links. Makes : L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian.	1 No	554.00
244	ELEC-2.5.6	Supply of 630A HRC Fuse Links. Makes : L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian.	1 No	1122.00
	2.6	PORCELAIN REWIRABLE FUSE UNITS.		
245	ELEC-2.6.1	Supply of 32A 240V Porcelain Rewirable Fuse Units. Makes : GM / Sputnik / Kundancab / Million / Gold Medal / Vimal / Star / Benlo.	1 No	78.00
246	ELEC-2.6.2	Supply of 32A 415V Porcelain Rewirable Fuse Units. Makes : GM / Sputnik / Kundancab / Million / Gold Medal / Vimal / Star / Benlo.	1 No	97.00
247	ELEC-2.6.3	Supply of 63A 415V Porcelain Rewirable Fuse Units. Makes : GM / Sputnik / Kundancab / Million / Gold Medal / Vimal / Star / Benlo.	1 No	204.00
248	ELEC-2.6.4	Supply of 100A 415V Porcelain Rewirable Fuse Units. Makes : GM / Sputnik / Kundancab / Million / Gold Medal / Vimal / Star / Benlo.	1 No	381.00
249	ELEC-2.6.5	Supply of 200A 415V Porcelain Rewirable Fuse Units with extension strip. Makes : GM / Sputnik / Kundancab / Million / Gold Medal / Vimal / Star / Benlo.	1 No	702.00
250	ELEC-2.6.6	Supply of 300A 415V Porcelain Rewirable Fuse Units with extension strip. Makes : GM / Sputnik / Kundancab / Million / Gold Medal / Vimal / Star / Benlo.	1 No	931.00
	2.7	VOLTAGE SURGE PROTECTORS		
251	ELEC-2.7.1	Supply of 2 Pole 2 Module 40 KA 1.4 KV Voltage Surge Protector. Make:Legrand / Siemens / Hager / G E / L&T.	1 No	6299.00
252	ELEC-2.7.2	Supply of 4 Pole 4 Module 40 KA 1.4 KV Voltage Surge Protector. Make:Legrand / Siemens / Hager / G E / L&T.	1 No	11811.00
253	ELEC-2.7.3	Supply of 2 Pole 2 Module 15 KA 1.2 KV Voltage Surge Protector. Make:Legrand / Siemens / Hager / G E / L&T.	1 No	5039.00
254	ELEC-2.7.4	Supply of 4 Pole 4 Module 15 KA 1.2 KV Voltage Surge Protector. Make:Legrand / Siemens / Hager / G E / L&T.	1 No	9449.00
	2.8	PANEL MOUNTING MCCBs/ ACBs (Thermal Magnetic Release)		
255	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 / Hager. Makes : GE / ABB / Havells / HPL / Indo Asian / C&S / Standard.	1 No 1 No	4772.00 3330.00
256	ELEC-2.8.2	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 / Hager. Makes : GE / ABB / Havells / HPL / Indo Asian / C&S / Standard.	1 No 1 No	5365.00 4463.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
257	ELEC-2.8.3	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 / Hager. Makes : GE / ABB / Havells / HPL / Indo Asian / C&S / Standard.	1 No 1 No	5665.00 4354.00
258	ELEC-2.8.4	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 / Hager. Makes : GE / ABB / Havells / HPL / Indo Asian / C&S / Standard.	1 No 1 No	6850.00 5724.00
259	ELEC-2.8.5	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 / Legrand / Hager. Makes : GE / ABB / Havells / HPL / Indo Asian / C&S / Standard.	1 No 1 No	12618.00 11672.00
260	ELEC-2.8.6	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 of makes L&T (DN2-250N) / Schneider / Siemens / Hager Makes : L&T / Schneider / Siemens / Legrand / Hager. Makes : GE / ABB / Havells / HPL / Indo Asian / C&S / Standard.	1 No 1 No	16392.00 14181.00
261	ELEC-2.8.7	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 / Legrand / Hager. Makes : GE / ABB / Havells / HPL / Indo Asian / C&S / Standard.	1 No 1 No	17079.00 14961.00
262	ELEC-2.8.8	Supply of 400A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 50 KA with thermal magnetic release Panel Mounted. Makes : L&T / Schneider / Siemens / Legrand / Hager. Makes : GE / ABB / Havells / HPL / Indo Asian / C&S / Standard.	1 No 1 No	20636.00 18024.00
263	ELEC-2.8.9	PANEL MOUNTING ACBs (Microprocessor Based) 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 Makes : ABB / Legrand / HPL / GE / Hager / Havells / Indo Asian.	1 No 1 No	82239.00 74016.00
264	ELEC-2.8.10	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 Makes : ABB / Legrand / HPL / GE / Hager / Havells / Indo Asian.	1 No 1 No	110073.00 99065.00
265	ELEC-2.8.11	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 Makes : ABB / Legrand / HPL / GE / Hager / Havells / Indo Asian.	1 No 1 No	102237.00 92013.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
266	ELEC-2.8.12	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 Makes : ABB / Legrand / HPL / GE / Hager / Havells / Indo Asian.	1 No 1 No	136336.00 122702.00
267	ELEC-2.8.13	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 Makes : ABB / Legrand / HPL / GE / Hager / Havells / Indo Asian.	1 No 1 No	115965.00 104369.00
268	ELEC-2.8.14	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 Makes : ABB / Legrand / HPL / GE / Hager / Havells / Indo Asian.	1 No 1 No	143893.00 129504.00
269	ELEC-2.8.15	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	1 No	121874.00
270	ELEC-2.8.16	Supply of 1000A 4 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, shot circuit and earth fault protection. Makes : Siemens / L&T / Schneider	1 No	153458.00
271	ELEC-2.8.17	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 strapas, fully PVC insulated four strip ALUMINIUM busbar in convinent sections including , end feed unit, end cover units suitable for 415 volts 3 phase, 4 wire, 50 Hz A.C. System,etc., Makes : Legrand (Zucchini) / L&T / Seimens / Schneider / GE	1 Mtr	10494.00
272	ELEC-2.8.18	Supply and Fixing of Spring suspension hanger for rising Main for 400A / 800A Raising Mains. Makes : Legrand (Zucchini) / L&T / Seimens / Schneider / GE	1 No	4028.00
273	ELEC-2.8.19	Supply and Fixing of Suspension brackets for rising main for 400A / 800A Raising Mains. Makes : Legrand (Zucchini) / L&T / Seimens / Schneider / GE	1 No	3490.00
274	ELEC-2.8.20	Supply and Fixing of 800 Amps Horizontal / Vertical bends. Makes : Legrand (Zucchini) / L&T / Seimens / Schneider / GE	1 No	26031.00
275	ELEC-2.8.21	Supply and Fixing of Adopter box for 400A / 800A Raising Mains. Makes : Legrand (Zucchini) / L&T / Seimens / Schneider / GE	1 No	11220.00
276	ELEC-2.8.22	Supply and Fixing of 800 Amps Copper Flexibles for three phases and neutral.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : Legrand (Zucchini) / L&T / Seimens / Schneider / GE	1 No	34821.00
277	ELEC-2.8.23	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 strapas, fully PVC insulated four strip ALUMINIUM busbar in convinent 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 (Zucchini) / L&T / Seimens / Schneider / GE	1 Mtr	7789.00
278	ELEC-2.8.24	Supply and Fixing of 400 Amps Horizontal / Vertical bends.		
		Makes : Legrand (Zucchini) / L&T / Seimens / Schneider / GE	1 No	24498.00
279	ELEC-2.8.25	Supply and Fixing of 400 Amps Copper Flexibles for three phases and neutral.		
		Makes : Legrand (Zucchini) / L&T / Seimens / Schneider / GE	1 No	30557.00
280	ELEC-2.8.26	Supply and Fixing of 400 Amps Tap off box.		
		Makes : Legrand (Zucchini) / L&T / Seimens / Schneider / GE	1 No	33325.00
281	ELEC-2.8.27	Supply and Fixing of 250 Amps Tap off box.		
		Makes : Legrand (Zucchini) / L&T / Seimens / Schneider / GE	1 No	31118.00
	2.9	MCBs (AS PER IS:60898-1:2002)		
282	ELEC-2.9.1	Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark.		
		Makes : Legrand-DX3 / Schneider-Acti9.	1 No	158.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	128.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	95.00
283	ELEC-2.9.2	Supply of 40-63A 10KA SP MCB, C/D Curve ISI Mark.		
		Makes : Legrand-DX3 / Schneider-Acti9.	1 No	333.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	280.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	174.00
284	ELEC-2.9.3	Supply of 6-32A 10KA DP MCB, C/D Curve ISI Mark.		
		Makes : Legrand-DX3 / Schneider-Acti9.	1 No	469.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	403.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	264.00
285	ELEC-2.9.4	Supply of 40-63A 10KA DP MCB, C/D Curve ISI Mark.		
		Makes : Legrand-DX3 / Schneider-Acti9.	1 No	757.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	552.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	394.00
286	ELEC-2.9.5	Supply of 6-32A 10KA TP MCB, C/D Curve ISI Mark.		
		Makes : Legrand-DX3 / Schneider-Acti9.	1 No	752.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	644.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	482.00
287	ELEC-2.9.6	Supply of 40-63A 10KA TP MCB, C/D Curve ISI Mark. Makes : Legrand-DX3 / Schneider-Acti9.	1 No	1163.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	893.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	744.00
288	ELEC-2.9.7	Supply of 6-32A 10KA FP MCB, C/D Curve ISI Mark. Makes : Legrand-DX3 / Schneider-Acti9.	1 No	1009.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	836.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	620.00
289	ELEC-2.9.8	Supply of 40-63A FP MCB, C/D Curve ISI Mark. Makes : Legrand-DX3 / Schneider-Acti9.	1 No	1495.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	1121.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	876.00
	2.10	ISOLATORS CONFIRMS TO I E C 60947 PART-III		
290	ELEC-2.10.1	Supply of 32A DP Isolator. Makes : Legrand-DX3 / Schneider-Acti9.	1 No	266.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	250.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	169.00
291	ELEC-2.10.2	Supply of 40A DP Isolator. Makes : Legrand-DX3 / Schneider-Acti9.	1 No	289.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	263.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	203.00
292	ELEC-2.10.3	Supply of 63A DP Isolator . Makes : Legrand-DX3 / Schneider-Acti9.	1 No	384.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	324.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	272.00
293	ELEC-2.10.4	Supply of 40A TP Isolator . Makes : Legrand-DX3 / Schneider-Acti9.	1 No	491.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	461.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	302.00
294	ELEC-2.10.5	Supply of 63A TP Isolator . Makes : Legrand-DX3 / Schneider-Acti9.	1 No	571.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	465.00

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1	2	3	4	
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	337.00
295	ELEC-2.10.6	Supply of 40A FP Isolator . Makes : Legrand-DX3 / Schneider-Acti9. Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry. Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No 1 No 1 No	641.00 534.00 450.00
296	ELEC-2.10.7	Supply of 63A FP Isolator . Makes : Legrand-DX3 / Schneider-Acti9. Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No 1 No	701.00 578.00
297	ELEC-2.10.8	Supply of 100A FP Isolator . Makes : Legrand-DX3 / Schneider-Acti9. Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No 1 No	753.00 723.00
	2.11	RCCBs CONFIRMS TO IEC:61008 AND IS:12640		
298	ELEC-2.11.1	Supply of 40A 2 Pole RCCB 30mA. Makes : Legrand-DX3 / Schneider-Acti9. Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No 1 No	2126.00 1694.00
299	ELEC-2.11.2	Supply of 40A 2 Pole RCCB 100mA. Makes : Legrand-DX3 / Schneider-Acti9. Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No 1 No	2283.00 1668.00
300	ELEC-2.11.3	Supply of 40A 4 Pole RCCB 30mA. Makes : Legrand-DX3 / Schneider-Acti9. Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No 1 No	2339.00 2084.00
301	ELEC-2.11.4	Supply of 40A 4 Pole RCCB 100mA. Makes : Legrand-DX3 / Schneider-Acti9. Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No 1 No	2469.00 2014.00
302	ELEC-2.11.5	Supply of 63A 2 Pole RCCB 30mA. Makes : Legrand-DX3 / Schneider-Acti9. Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No 1 No	2598.00 2285.00
303	ELEC-2.11.6	Supply of 63A 2 Pole RCCB 100mA. Makes : Legrand-DX3 / Schneider-Acti9. Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No 1 No	2622.00 2189.00
304	ELEC-2.11.7	Supply of 63A 4 Pole RCCB 30mA. Makes : Legrand-DX3 / Schneider-Acti9. Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No 1 No	2768.00 2377.00
305	ELEC-2.11.8	Supply of 63A 4 Pole RCCB 100mA. Makes : Legrand-DX3 / Schneider-Acti9.	1 No	3150.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : Siemens / GE / ABB / GM / Havells / HPL(Techno) / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	2320.00
306	ELEC-2.11.9	Supply of MCB type Change Over Switch 20A Double Pole 2 way 400V AC suitable to fix on Din Channel. Makes : Legrand-DX3 / Schneider-Acti9.	1 No	1480.00
	2.12	MCB DISTRIBUTION BOARDS (AS PER IS:13032) SPN DB		
307	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.	1 No	598.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	365.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	258.00
308	ELEC-2.12.2	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.	1 No	780.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	630.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	434.00
309	ELEC-2.12.3	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.	1 No	693.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	477.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	351.00
310	ELEC-2.12.4	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.	1 No	980.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	890.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	595.00
311	ELEC-2.12.5	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.	1 No	823.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	547.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	431.00
312	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.	1 No	1185.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	1063.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	754.00
		TPN DB		
313	ELEC-2.12.7	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.	1 No	1181.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	1098.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	1004.00
314	ELEC-2.12.8	Supply of 4 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 12 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete of makes Legrand / Schneider.		
		Makes : Legrand / Schneider.	1 No	1961.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	1732.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	1299.00
315	ELEC-2.12.9	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.	1 No	4760.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	4409.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	2551.00
316	ELEC-2.12.10	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.	1 No	6176.00
317	ELEC-2.12.11	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.	1 No	2953.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	2756.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	1992.00
318	ELEC-2.12.12	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.	1 No	6118.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	5374.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	4071.00
319	ELEC-2.12.13	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.	1 No	7735.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
320	ELEC-2.12.14	Supply of 20A SP Plug and Socket with SS enclosure. Makes : Legrand / Schneider.	1 No	709.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	465.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	354.00
321	ELEC-2.12.15	Supply of 20A TP Plug and Socket with SS enclosure. Makes : Legrand / Schneider.	1 No	1339.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	945.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	728.00
322	ELEC-2.12.16	Supply of 32A TP Plug and Socket with SS enclosure. Makes : Legrand / Schneider.	1 No	1575.00
		Makes : Siemens / GE / ABB / GM / Havells / HPL / Hager / Indo Asian (Gold Plus) / C&S / L&T / Honeywell sentry.	1 No	1181.00
		Makes : Gold Medal / Kundancab / Milltec / Sputnik / Benlo.	1 No	1024.00
323	ELEC-2.12.17	Supply of SP Enclosure with IP 20 Protection.	1 No	197.00
324	ELEC-2.12.18	Supply of DP/TP/FP Metal Enclosure with IP 20 Protection.	1 No	288.00
SECTION - 3				
3.1 STREET LIGHT LUMINAIRES				
325	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 complete. Makes : Wipro / G.E. / Phillips / Crompton / Bajaj / Surya.	1 No	992.00
		Makes : Style Lamp / Mahita Electro / Capart / Akhil / RK / Venture / Pro-Lite.	1 No	780.00
326	ELEC-3.1.2	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 / Surya / Halonix / HPL.	1 No	2571.00
		Makes : Style Lamp / Mahita Electro / Capart / Akhil / RK / Venture / Pro-Lite.	1 No	2024.00
327	ELEC-3.1.3	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 / Surya / Halonix / HPL.	1 No	3772.00
		Makes : Style Lamp / Mahita Electro / Capart / Akhil / RK / Venture / Pro-Lite.	1 No	3130.00
328	ELEC-3.1.4	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 complete. Makes : Wipro / G.E. / Phillips / Bajaj / Crompton / Surya / Halonix / HPL.	1 No	4331.00
		Makes : Style Lamp / Mahita Electro / Capart / Akhil / RK / Venture / Pro-Lite.	1 No	3417.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
329	ELEC-3.1.5	Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP66 protection with Control Gear Box without lamp Makes : Wipro / G.E. / Phillips / Bajaj / Crompton / Surya / Halonix.	1 No	5965.00
		Makes : Style Lamp / Mahita Electro / Capart / Akhil / RK / Venture / Pro-Lite.	1 No	4539.00
330	ELEC-3.1.6	Supply of 2 x 400W MH Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP66 protection with Control Gear Box without lamp Makes : Wipro / G.E. / Phillips / Bajaj / Crompton / Surya.	1 No	11630.00
331	ELEC-3.1.7	Supply of 500W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories. Makes : Style Lamp / Mahita Electro / Capart / Akhil / RK / Venture / Pro-Lite.	1 No	422.00
332	ELEC-3.1.8	Supply of 1000W Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories Makes : Style Lamp / Mahita Electro / Capart / Akhil / RK / Venture / Pro-Lite.	1 No	843.00
333	ELEC-3.1.9	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.	1 No	1594.00
	3.2	POST TOP LANTERN LUMINAIRES		
334	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 / Bajaj / Surya / Havells / HPL.	1 No	1447.00
335	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.	1 No	3009.00
	3.3	ACCESSORIES FOR MV / SV / MH LUMINAIRES		
	3.3	COPPER BALLASTS		
336	ELEC-3.3.1	Supply of 80W MV copper ballast. Makes : G.E. / Phillips / Crompton / Bajaj / Surya / Havells.	1 No	558.00
		Makes : RK / Style Lamp / Akhil / Capart / Mahitha Electro / Venture / Prolite.	1 No	506.00
337	ELEC-3.3.2	Supply of 125W MV copper ballast. Makes : G.E. / Phillips / Crompton / Bajaj / Surya / Havells.	1 No	610.00
		Makes : RK / Style Lamp / Akhil / Capart / Mahitha Electro / Venture / Prolite.	1 No	513.00
338	ELEC-3.3.3	Supply of 70 W SV / MH copper ballast Makes : Wipro / G.E. / Phillips / Bajaj / Crompton / Surya / Halonix / HPL.	1 No	506.00
		Makes : RK / Style Lamp / Akhil / Capart / Mahitha Electro / Venture / Prolite.	1 No	484.00
339	ELEC-3.3.4	Supply of 150 W SV / MH copper ballast. Makes : Wipro / G.E. / Phillips / Bajaj / Crompton / Surya / Halonix / HPL.	1 No	791.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : RK / Style Lamp / Akhil / Capart / Mahitha Electro / Venture / Prolite.	1 No	710.00
340	ELEC-3.3.5	Supply of 250 W SV / MH copper ballast Makes : Wipro / G.E. / Phillips / Bajaj / Crompton / Surya / Halonix / HPL.	1 No	1124.00
		Makes : RK / Style Lamp / Akhil / Capart / Mahitha Electro / Venture / Prolite.	1 No	963.00
341	ELEC-3.3.6	Supply of 400 W SV / MH copper ballast. Makes : Wipro / G.E. / Phillips / Bajaj / Crompton / Surya / Halonix / HPL.	1 No	1645.00
		Makes : RK / Style Lamp / Akhil / Capart / Mahitha Electro / Venture / Prolite.	1 No	1335.00
342	ELEC-3.3.7	Supply of Ignitor for SV / MH Lamp Makes : Wipro / G.E. / Phillips / Crompton / Bajaj / Surya / HPL / Havells / Venture / Capart / Prolite.	1 No	142.00
343	ELEC-3.3.8	Supply of 4 mfd HPF Capacitor. Makes : TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	1 No	75.00
344	ELEC-3.3.9	Supply of 10 mfd HPF Capacitor. Makes : TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	1 No	126.00
345	ELEC-3.3.10	Supply of 15 mfd HPF Capacitor. Makes : TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	1 No	150.00
346	ELEC-3.3.11	Supply of 20 mfd HPF Capacitor. Makes : TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	1 No	205.00
347	ELEC-3.3.12	Supply of 33 mfd HPF Capacitor. Makes : TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	1 No	327.00
348	ELEC-3.3.13	Supply of 42 mfd HPF Capacitor. Makes : TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.	1 No	362.00
		ENEGRY SAVING ELECTRONIC BALLAST FOR STREET LIGHT		
349	ELEC-3.3.14	Supply of 70W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee Makes : Phillips / Whipro / Trinic / GE.	1 No	1929.00
350	ELEC-3.3.15	Supply of 150W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee. Makes : Phillips / Whipro / Trinic / GE.	1 No	2638.00
351	ELEC-3.3.16	Supply of 250W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee. Makes : Phillips / Whipro / Trinic / GE.	1 No	3307.00
	3.4	LAMPS		
352	ELEC-3.4.1	Supply of 500W Hallozen Lamp with ISI mark. Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	85.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	47.00
353	ELEC-3.4.2	Supply of 1000W Hallozen Lamp with ISI mark. Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	102.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	63.00
354	ELEC-3.4.3	Supply of 70W SV Lamp with ISI mark. Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	390.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	315.00
355	ELEC-3.4.4	Supply of 150W SV Lamp with ISI mark. Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	559.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	472.00
356	ELEC-3.4.5	Supply of 250W SV Lamp with ISI mark.		
		Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	606.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	535.00
357	ELEC-3.4.6	Supply of 400W SV Lamp with ISI mark.		
		Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	661.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	614.00
358	ELEC-3.4.7	Supply of 70W double end MH Lamp with ISI mark.		
		Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	476.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	417.00
359	ELEC-3.4.8	Supply of 150W double end MH Lamp with ISI mark.		
		Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	709.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	630.00
360	ELEC-3.4.9	Supply of 70W MH Lamp with ISI mark.		
		Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	701.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	669.00
361	ELEC-3.4.10	Supply of 150W MH Lamp with ISI mark.		
		Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	780.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	709.00
362	ELEC-3.4.11	Supply of 250W MH Lamp with ISI mark.		
		Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	1063.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	866.00
363	ELEC-3.4.12	Supply of 400W MH Lamp with ISI mark.		
		Makes : Phillips / Osram / Crompton / Bajaj / Surya / HPL / Havells / Halonix.	1 No	1213.00
		Makes : Elton / Style Lamp / Mahita Electro / Capart	1 No	1102.00
	3.5	AUTOMATIC STREET LIGHT CONTROL SYSTEMS		
364	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.		
		Makes : Swadeep Nature Switch / Light Mate.	1 No	9362.00
365	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.		
		Makes : Swadeep Nature Switch / Light Mate.	1 No	9787.00
366	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.		
		Makes : Swadeep Nature Switch / Light Mate.	1 No	11149.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
367	ELEC-3.5.4	Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / 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.		
		Makes : Swadep Nature Switch / Light Mate.	1 No	12255.00
368	ELEC-3.5.5	Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / 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.		
		Makes : Swadep Nature Switch / Light Mate.	1 No	12681.00
369	ELEC-3.5.6	Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / 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.		
		Makes : Swadep Nature Switch / Light Mate.	1 No	15319.00
	3.6	INTERNAL LUMINAIRES		
370	ELEC-3.6.1	Supply of 1 x 11W Mirror light with all standard accessories diffuser		
		Makes : G.E. / Phillips / Crompton / Bajaj.	1 No	534.00
		Makes : Surya / Havells / HPL / Fortune Art	1 No	455.00
371	ELEC-3.6.2	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 .	1 No	640.00
		Makes : Surya / Havells / HPL / Fortune Art	1 No	603.00
372	ELEC-3.6.3	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 .	1 No	962.00
		Makes : Surya / Havells / HPL / Fortune Art	1 No	924.00
373	ELEC-3.6.4	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 : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	1811.00
374	ELEC-3.6.5	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 : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	2677.00
375	ELEC-3.6.6	Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballast.		
		Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	2952.00
376	ELEC-3.6.7	Supply of 1 x 18W CFL Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	591.00
377	ELEC-3.6.8	Supply of 9/13W VPIT Ballast for CFL with ISI mark. Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	99.00
		Makes : Fortune Art / Style Lamp / Mahita Electro / Capart	1 No	87.00
378	ELEC-3.6.9	Supply of 18W VPIT Ballast for CFL with ISI mark. Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	94.00
		Makes : Fortune Art / Style Lamp / Mahita Electro / Capart	1 No	87.00
379	ELEC-3.6.10	Supply of 20W / 40W Copper Wound Ballast. Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	126.00
		Makes : Fortune Art / Style Lamp / Mahita Electro / Capart	1 No	115.00
380	ELEC-3.6.11	Supply of 18/20W VPIT Ballast. Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	126.00
		Makes : Fortune Art / Style Lamp / Mahita Electro / Capart	1 No	114.00
381	ELEC-3.6.12	Supply of 36/40W VPIT Ballast of makes Phillips / Crompton / Bajaj / Surya. Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	165.00
		Makes : Fortune Art / Style Lamp / Mahita Electro / Capart	1 No	134.00
382	ELEC-3.6.13	Supply of 40W Starter of makes Phillips / Crompton / Bajaj / Surya. Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	9.00
		Makes : Fortune Art / Style Lamp / Mahita Electro / Capart	1 No	6.00
383	ELEC-3.6.14	Supply of Rotor holder(FTL). Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	17.00
		Makes : Fortune Art / Style Lamp / Mahita Electro / Capart	1 No	13.00
384	ELEC-3.6.15	Supply of HID Lamp holder. Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	42.00
		Makes : Fortune Art / Style Lamp / Mahita Electro / Capart	1 No	33.00
385	ELEC-3.6.16	Supply of CFL holder of makes Phillips / Crompton / Bajaj / Surya. Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	25.00
		Makes : Fortune Art / Style Lamp / Mahita Electro / Capart	1 No	20.00
386	ELEC-3.6.17	Supply of FTL Starter holder. Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	12.00
		Makes : Fortune Art / Style Lamp / Mahita Electro / Capart	1 No	9.00
387	ELEC-3.6.18	Supply of 36W Electronic Ballast with total harmonic distortion is less than 10% for FTL. Makes : Phillips / Crompton / Bajaj / Surya / HPL / Havells.	1 No	483.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
388	ELEC-3.6.19	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.	1 No	217.00
389	ELEC-3.6.20	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.	1 No	1272.00
390	ELEC-3.6.21	Supply of 4 x 14W TL 5 high efficiency recessed luminaire, epoxy powder coated CRCA sheet steel housing, low glare with electronic ballast including cost of lamps etc., complete. Makes: Phillips Model No.sereno-TBS 869 / Bajaj Model No.BTMRA 414 CAT II / Crompton Model No.CRTL414EB/S.	1 No	3386.00
391	ELEC-3.6.22	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.	1 No	669.00
392	ELEC-3.6.23	Supply of 1 x 28W surface pendent mounting T5 Luminaire plastic housing with integrated reflector extruded alluminium luminaire with Electronic Ballast and all standard accessories. Makes : Phillips / Crompton / Bajaj / Surya / Havells.	1 No	425.00
393	ELEC-3.6.24	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 / Surya.	1 No	276.00
394	ELEC-3.6.25	Supply of single fancy bracket with glass shade best Indian make	1 No	169.00
395	ELEC-3.6.26	Supply of double fancy bracket with glass shade best Indian make	1 No	303.00
	3.7	FLOURSCENT TUBES / CFL LAMPS		
396	ELEC-3.7.1	Supply of 40W-60W Lamp. Makes : Phillips / Crompton / Bajaj / Surya / Style Lamp / Mahita Electro / Capart.	1 No	9.00
397	ELEC-3.7.2	Supply of Night Lamp. Makes : Phillips / Crompton / Bajaj / Surya / Style Lamp / Mahita Electro / Capart.	1 No	9.00
398	ELEC-3.7.3	Supply of 18/20W fluorescent tube. Makes : Phillips / Crompton / Bajaj / Surya.	1 No	32.00
399	ELEC-3.7.4	Supply of 36/40W fluorescent tube. Makes : Phillips / Crompton / Bajaj / Surya. Makes : Fortune Art / Style lamp / Mahita Electro / Capart	1 No 1 No	35.00 30.00
400	ELEC-3.7.5	Supply of 28W T5 fluorescent tube. Makes : Crompton / Bajaj / Phillips / Surya / Havells.	1 No	94.00
401	ELEC-3.7.6	Supply of 9W Pin type CFL Lamp. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	59.00
402	ELEC-3.7.7	Supply of 11W Pin type CFL Lamp. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	63.00
403	ELEC-3.7.8	Supply of 13W Pin type CFL Lamp. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	83.00
404	ELEC-3.7.9	Supply of 18W Pin type CFL Lamp. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	91.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
405	ELEC-3.7.10	Supply of 26W Pin type CFL Lamp. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	126.00
406	ELEC-3.7.11	Supply of 36W Pin type CFL Lamp. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	106.00
407	ELEC-3.7.12	Supply of up to 5W Retrofit tiny CFL. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	91.00
408	ELEC-3.7.13	Supply of up to 8W Retrofit tiny CFL. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	98.00
409	ELEC-3.7.14	Supply of up to 10/11W Retrofit tiny CFL. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	106.00
410	ELEC-3.7.15	Supply of up to 13/14W Retrofit tiny CFL. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	87.00
411	ELEC-3.7.16	Supply of 15W Retrofit tiny CFL . Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	142.00
412	ELEC-3.7.17	Supply of up to 18/20W Retrofit CFL. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	134.00
413	ELEC-3.7.18	Supply of 23W Retrofit CFL. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	157.00
414	ELEC-3.7.19	Supply of up to 25/26W Retrofit CFL. Makes : Phillips / Crompton / Bajaj / Surya / Havells / HPL / Halonix.	1 No	157.00
	3.8	ENERGY CONSERVING FIXTURES		
415	ELEC-3.8.1	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.	1 No	835.00
416	ELEC-3.8.2	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.	1 No	630.00
	3.9	LED LUMINAIRES INDOOR		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
417	ELEC-3.9.1	<p>Supply and transportation of 3W LED Down Light Recessed / Surface mounting with System Lumens $\geq 270\text{lm}$, Housing made of Powder coated Pressure die cast aluminum housing with extended heat sink, with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, operating voltage range of 150 to 300 Volts AC, P.F ≥ 0.9, Surge protection: 2KV, THD$<15\%$, with high power LED's having efficacy of ≥ 110 lumens/watt,CCT: 3000K / 4000K / 5600K $\pm 300\text{K}$, CRI≥ 80...Manufacture has to submit LM79, LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 and & ISO certified company.</p> <p>LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Halonix / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>		660.00
418	ELEC-3.9.2	<p>Supply and Transportation of 3W Down lighter with system lumens of 240lm, suitable for Recessed / Surface mounting made of Pressure die cast aluminum 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 ≥ 100 umins/watt,CCT: 3000K - 5700K, minimum CRI≥ 70, .etc., completea)</p> <p>LUMINAIRE MAKE : Pharox / Surya / Syska / Muelux / Fortune Art / Capart / Green Lites / Kashyap BLU / R-LED / GM / Million. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>		495.00
419	ELEC-3.9.3	<p>Supply and Transportation of 3W Down lighter with system lumens of 240lm, suitable for Recessed / Surface mounting made of Pressure die cast aluminum 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 ≥ 90 lumens/watt,CCT: 3000K - 5700K, minimum CRI≥ 70, .etc., complete.</p> <p>LUMINAIRE MAKE : Trinic / Avni / Kripa Lights / Stanjo / Cosmo / VRILISO / Pro-Lite / Godwyn / Scintilla / JSTC Solar / Glow Gen. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>		445.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
420	ELEC-3.9.4	Supply and transportation of 6W LED Down Light Recessed / Surface mounting with System Lumens \geq 510lm, Housing made of Powder coated Pressure die cast aluminum housing with extended heat sink, with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, operating voltage range of 150 to 270 Volts AC, P.F \geq 0.9, Surge protection: 2KV, THD $<$ 10%, with high power LED's having efficacy of \geq 110 lumens/watt,CCT: 3000K/4000K/5600K \pm 300K, CRI \geq 80...Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company. LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Halonix / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	1319.00
421	ELEC-3.9.5	Supply and transportation of 6W LED slim panel Light Round / Square with System Lumens \geq 510lm, Housing made of Powder coated die cast aluminum housing with extended heat sink, with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, operating voltage range of 150 to 265 Volts AC, P.F \geq 0.9, Surge protection: 2KV, THD $<$ 10%, with high power LED's having efficacy of \geq 100 lumens/watt, CCT: 3000K/4000K/5600K \pm 300K, CRI \geq 70. Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 ISO certified company. LUMINAIRE MAKE : Pharox / Surya / Syska / Muelux / Fortune Art / Capart / Green Lites / Kashyap BLU / R-LED / GM / Million. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	824.00
422	ELEC-3.9.6	Supply and Transportation of 6W Down lighter with system lumens of 480lm, suitable for Recessed / Surface mounting made of pressure die cast aluminum body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 270 Volts AC, P.F \geq 0.9, Surge protection: 2KV, with high power LED's having efficacy of \geq 90 lumens/watt,CCT: 3000K - 5700K, minimum CRI \geq 70, .etc., complete. LUMINAIRE MAKE : Trinic / Avni / Kripa Lights / Stanjo / Cosmo / VRILISO / Pro-Lite / Godwyn / Scintilla / JSTC Solar / Glow Gen. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	1072.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
423	ELEC-3.9.7	Supply and Transportation of 6W Down lighter with system lumens of 480lm, suitable for Recessed / Surface mounting made pressure die cast aluminum 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 ≥ 90 lumens/watt, CCT: 3000K - 5700K, minimum CRI≥70, .etc., complete. LUMINAIRE MAKE : Procorp / Scintilla / R-LED / ilite LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	1 No	948.00
424	ELEC-3.9.8	Supply and transportation of 12W LED Down Light Recessed / Surface mounting with System Lumens≥1000lm, Housing made of Powder coated Pressure die cast aluminum housing with extended heat sink, with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, 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 ≥ 110 lumens/watt,CCT: 3000K/4000K/5600K ±300K, CRI≥80...Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1, IEC 60529 & ISO certified company. LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Halonix / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	1937.00
425	ELEC-3.9.9	Supply and Transportation of 12W Down lighter with system lumens of 1000lm, suitable for Recessed / Surface mounting made of pressure die cast aluminum 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 ≥ 100 lumens/watt,CCT: 3000K - 5700K, minimum CRI≥70,.etc., complete with 3 years warranty. LUMINAIRE MAKE : Pharox / Surya / Syska / Muelux / Fortune Art / Capart / Green Lites / Kashyap BLU / R-LED / GM / Million. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	1616.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
426	ELEC-3.9.10	<p>Supply and Transportation of 12W Down lighter with system lumens of 1000lm, suitable for Recessed / Surface mounting made of pressure die cast aluminum 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 ≥ 90 lumens/watt,CCT: 3000K - 5700K, minimum CRI≥70,.etc., complete with 3 years warranty.</p> <p>LUMINAIRE MAKE : Trinic / Avni / Krips Lights / Stanjo / Cosmo / VRILISO / Pro-Lite / Goldwyn / Scintilla / JSTC Solar / Glow Gen.</p> <p>LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	1327.00
427	ELEC-3.9.11	<p>Supply and transportation of 12W LED slimline panel light with System Lumens≥1000lm, Housing made of Powder coated, round / Square with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, 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 ≥ 110 lumens/watt,CCT: 3000K/4000K/5600K ±300K, CRI≥80...Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company.</p> <p>LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Halonix / HPL.</p> <p>LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	1039.00
428	ELEC-3.9.12	<p>Supply and transportation of 12W LED slimline panel Light with System Lumens≥1000lm, Housing made of Powder coated, round / Square with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, 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 ≥ 100 lumens/watt,CCT: 3000K/4000K/5600K ±300K, CRI≥70...Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company.</p> <p>LUMINAIRE MAKE : Pharox / Surya / Syska / Muelux / Fortune Art / Capart / Green Lites / Kashyap BLU / R-LED / GM / Million.</p> <p>LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	965.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
429	ELEC-3.9.13	<p>Supply and transportation of 12W LED slimline panel Light with System Lumens\geq1000lm, Housing made of Powder coated, round / Square with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, operating voltage range of 150 to 265 Volts AC, P.F \geq 0.9, Surge protection: 2KV, THD<10%, with high power LED's having efficacy of \geq 90 lumens/watt,CCT: 3000K/4000K/5600K \pm300K, CRI\geq70...Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company.</p> <p>LUMINAIRE MAKE : Trinic / Avni / Krips Lights / Stanjo / Cosmo / VRILISO / Pro-Lite / Goldwyn / Scintilla / JSTC Solar / Glow Gen. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	866.00
430	ELEC-3.9.14	<p>Supply and transportation of 18W LED Down Light Recessed / Surface mounting with System Lumens\geq1540lm, Housing made of Powder coated Pressure die cast aluminum housing with extended heat sink, with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, operating voltage range of 150 to 265 Volts AC, P.F \geq 0.9, Surge protection: 2KV, THD<10%, with high power LED's having efficacy of \geq 110 lumens/watt,CCT: 3000K/4000K/5600K \pm300K, CRI\geq80...Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company.</p> <p>LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Halonix / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	2383.00
431	ELEC-3.9.15	<p>Supply and transportation of 18W LED Down Light Recessed / Surface mounting with System Lumens\geq1500 lm, Housing made of Powder coated Pressure die cast aluminum housing with extended heat sink, with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, operating voltage range of 150 to 265 Volts AC, P.F \geq 0.9, Surge protection: 2KV, THD<10%, with high power LED's having efficacy of \geq 100 lumens/watt,CCT: 3000K/4000K/5600K \pm300K, CRI\geq70...Manufacture has to submit LM79, LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company.</p> <p>LUMINAIRE MAKE : Pharox / Surya / Syska / Muelux / Fortune Art / Capart / Green Lites / Kashyap BLU / R-LED / GM / Million. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	1822.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
432	ELEC-3.9.16	<p>Supply and transportation of 18W LED Down Light Recessed / Surface mounting with System Lumens≥1540lm, Housing made of Powder coated Pressure die cast aluminum housing with extended heat sink, with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, 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 ≥ 90 lumens/watt,CCT: 3000K/4000K/5600K ±300K, CRI≥70...Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company.</p> <p>LUMINAIRE MAKE : Trinic / Avni / Krips Lights / Stanjo / Cosmo / VRILISO / Pro-Lite / Goldwyn / Scintilla / JSTC Solar / Glow Gen.</p> <p>LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	1327.00
433	ELEC-3.9.17	<p>Supply and transportation of 18W LED slim panel Light with System Lumens≥1540lm, Housing made of Powder coated aluminum housing with extended heat sink, Round / Square with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, 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 ≥ 110 lumens/watt,CCT: 3000K/4000K/5600K ±300K, CRI≥80...Manufacture has to submit LM79, LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company.</p> <p>LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Halonix / HPL.</p> <p>LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	1542.00
434	ELEC-3.9.18	<p>Supply and transportation of 18W LED slim panel Light with System Lumens≥1500lm, Housing made of Powder coated aluminum housing with extended heat sink, Round / Square with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, 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 ≥ 100 lumens/watt,CCT: 3000K/4000K/5600K ±300K, CRI≥70...Manufacture has to submit LM79, LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company.</p> <p>LUMINAIRE MAKE : Pharox / Surya / Syska / Muelux / Fortune Art / Capart / Green Lites / Kashyap BLU / R-LED / GM / Million.</p> <p>LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	1369.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
435	ELEC-3.9.19	<p>Supply and transportation of 18W LED slim panel Light with System Lumens\geq1500lm, Housing made of Powder coated aluminum housing with extended heat sink, Round / Square with Protruded plastic Diffuser, IP20, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring, LG7 standard applicable, operating voltage range of 150 to 265 Volts AC, P.F \geq 0.9, Surge protection: 2KV, THD$<$10%, with high power LED's having efficacy of \geq 90 lumens/watt,CCT: 3000K/4000K/5600K \pm300K, CRI\geq70...Manufacture has to submit LM79, LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company.</p> <p>LUMINAIRE MAKE : Trinic / Avni / Krips Lights / Stanjo / Cosmo / VRILISO / Pro-Lite / Goldwyn / Scintilla / JSTC Solar / Glow Gen. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	1253.00
436	ELEC-3.9.20	<p>Supply and transportation of 20W, 2000 lumens, T8,1200mm length LED tube light, input voltage AC 220 - 260Volts with PF\geq0.9, Surge protection: 2KV,THD$<$10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI\geq80,.etc., complete Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 ISO certified company.</p> <p>LUMINAIRE MAKE: Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Halonix / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	1059.00
437	ELEC-3.9.21	<p>Supply and transportation of 20W, 2000 lumens, T8,1200mm length LED tube light, input voltage AC 220 - 260 Volts with PF\geq0.9, Surge protection: 2KV,THD$<$15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI\geq70,.etc.,complete.</p> <p>LUMINAIRE MAKE: Pharox / Surya / Syska / Muelux / Fortune Art / Capart / Green lites / Kashyap BLU / R-LED / GM / Million. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	824.00
438	ELEC-3.9.22	<p>Supply and transportation of 20W, 2000 lumens, T8,1200mm length LED tube light, input voltage AC 220 - 260 Volts with PF\geq0.9, Surge protection: 2KV,THD$<$15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI\geq70,.etc.,complete.</p> <p>LUMINAIRE MAKE : Avni / Stanjo / Cosmo / VRILISO / JSTC Solar. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	1 No	742.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
439	ELEC-3.9.23	Supply and transportation of 18W/20W, 1700 lumens, 1200mm length T5 LED light, input voltage AC 165 - 260 Volts with PF≥0.9, Surge protection: 2KV,THD<10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI≥80, Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company. .etc., complete. LUMINAIRE MAKE: Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Halonix / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	907.00
440	ELEC-3.9.24	Supply and transportation of 18W/20W, 1700 lumens, 1200mm length T5 LED light, input voltage AC 165 - 260 Volts with PF≥0.9, Surge protection: 2KV,THD<10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI≥70, Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company. .etc., complete. LUMINAIRE MAKE: Pharox / Surya / Syska / Muelux / Fortune Art / Capart / Green lites / Kashyap BLU / R-LED / GM / Million. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	742.00
441	ELEC-3.9.25	Supply and transportation of 18W/20W, 1700 lumens, 1200mm length T5 LED light, input voltage AC 165 - 260 Volts with PF≥0.9, Surge protection: 2KV,THD<10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI≥70, Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 & ISO certified company. .etc., complete. LUMINAIRE MAKE: Trinic / Avni / Kripa Lights / Stanjo / Cosmo / VRILISO / Pro-Lite / Goldwyn / Scintilla / JSTC Solar / Glow Gen. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	660.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
442	ELEC-3.9.26	Supply and Transportation of 36W , 2' x 2' (600mm x 600mm) slim panel LED luminaire Round / Square with System Lumens of ≥ 3000 , Housing Made of Aluminum alloy with corrosion resistant powder coat, with Diffuser , operating voltage range of 100 to 270 Volts AC, P.F ≥ 0.95 , Surge protection: 2KV, THD $<10\%$, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring with high power LED's having efficacy of ≥ 110 lumens/watt,CCT: 3000K - 5700K, minimum CRI ≥ 80 , Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 and Manufacture should be ISO certified company. LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / Halonix / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	4411.00
443	ELEC-3.9.27	Supply and Transportation of 36W, 2' x2' (600mm x 600mm) slim panel LED luminaire Round / Square Housing Made of Aluminum alloy with corrosion resistant powder coat, 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 ≥ 100 lumens/watt, junction temperature less than 85 degrees centigrade and THD is less than 12% etc., complete. LUMINAIRE MAKE: Pharox / Surya / Syska / Muelux / Fortune Art / Capart / Green lites / Kashyap BLU / R-LED / GM / Million. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	3924.00
444	ELEC-3.9.28	Supply and Transportation of 36W 2' x2' (600mm x 600mm) Slim panel LED luminaire Round / Square Housing Made of Aluminum alloy with corrosion resistant powder coat, with acrylic diffuser, Constant current out put of Driver operatingvoltage range of 150 to 265 Volts AC, Power factor ≥ 0.9 high power LEDs having efficacy of ≥ 90 lumens/watt, junction temperature less than 85 degrees centigrade and THD is less than 12% etc., complete. LUMINAIRE MAKE : Trinic / Avni / Kripa Lights / Stanjo / Cosmo / VRILISO / Pro-Lite / Goldwyn / Scintilla / JSTC Solar / Glow Gen. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	3644.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
445	ELEC-3.9.29	Supply and Transportation of 36W, 2' x2' (600mm x 600mm) Recessed / Surface mounted LED luminaire made of CRCA sheet housing with powder coated with acrylic wide diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor \geq 0.9 high power LEDs having efficacy of \geq 100 lumens/watt, junction temperature less than 85 degrees centigrade and THD is less than 12% etc., complete. LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / Halonix / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	4270.00
446	ELEC-3.9.30	Supply and Transportation of 36W, 2' x2' (600mm x 600mm) Recessed / Surface mounted 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 \geq 0.9 high power LEDs having efficacy of \geq 110 lumens/watt, junction temperature less than 85 degrees centigrade and THD is less than 12% etc., complete. LUMINAIRE MAKE: Pharox / Surya / Syska / Muelux / Fortune Art / Capart / Green lites / Kashyap BLU / R-LED / GM / Million. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	3644.00
447	ELEC-3.9.31	Supply and Transportation of 36W Recessed / Surface mounting 2' x 2' (600mm x 600mm) LED luminaire made of CRCA sheet housing with powder coated with acrylic wide diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor \geq 0.9 high power LEDs having efficacy of \geq 90 lumens/watt, junction temperature less than 85 degrees centigrade and THD is less than 12% etc., complete. LUMINAIRE MAKE : Trinic / Avni / Kripa Lights / Stanjo / Cosmo / VRILISO / Pro-Lite / Goldwyn / Scintilla / JSTC Solar / Glow Gen. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	3430.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
448	ELEC-3.9.32	Supply and Transportation of 45W , 2' x 2' (600mm x 600mm) slim LED luminaire Round / Square with System Lumens of ≥3000, Housing Made of Aluminum alloy with corrosion resistant powder coat, with wide acrylic diffuser , operating voltage range of 100 to 270 Volts AC, P.F ≥ 0.95, Surge protection: 2KV, THD<10%, Inbuilt Electrical protections like Over/Under voltage, short circuit, Over load, Open Circuit, Miswiring with high power LED's having efficacy of ≥ 110 lumens/watt,CCT: 3000K - 5700K, minimum CRI≥70, Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 and Manufacture should be ISO certified company. LUMINAIRE MAKE : Phillips - / OSRAM / GE / Crompton / Bajaj / Havells / Halonix / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	4765.00
449	ELEC-3.9.33	Supply and Transportation of 45W, 2' x2' (600mm x 600mm) slim LED luminaire Round / Square Housing Made of Aluminum alloy with corrosion resistant powder coat, with acrylic wide 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 ≥ 100 lumens/watt, junction temperature less than 85 degrees centigrade and THD is less than 12%, minimum CRI≥70, etc., complete. LUMINAIRE MAKE: Pharox / Surya / Muelux / Fortune Art / Syska / Green lites. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	1 No	4411.00
450	ELEC-3.9.34	Supply and transportation of MS frame with powder coating suitable for 600mm x 600mm LED panel light.	1 No	392.00
451	ELEC-3.9.35	Supply & Fixing of LED box type batten frame made with CRCA sheet powder coated.	1 No	124.00
	3.10	LED INDOOR LAMPS		
452	ELEC-3.10.1	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 / VIN / Bajaj / Havells / Pharox / Halonix / Greenlites.	1 No	58.00
453	ELEC-3.10.2	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 of Makes: Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Halonix / Green lites. Makes: Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Pharox / Halonix / Green lites.	1 No	144.00
454	ELEC-3.10.3	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 of Makes: Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Halonix / Green lites. Makes: Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Pharox / Halonix / Green lites.	1 No	206.00
455	ELEC-3.10.4	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.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes: Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Pharox / Halonix / Green lites.	1 No	246.00
456	ELEC-3.10.5	Supply of LED Candel Lamp for shandliers. Makes: Phillips / OSRAM / GE / Crompton / VIN / Bajaj / Havells / Pharox / Halonix / Green lites.	1 No	206.00
	3.11	LED STREET LIGHTS		
457	ELEC-3.11.1	Supply and transportation of LED Street light Body made of high grade pressure die – cast Aluminum alloy with corrosion resistant powder coat, having protective toughened glass cover, Less Glare, IP 66 (Silicon gasket ensures Optical & Electrical compartments are IP 66) protected, universal Voltage 100 - 270 V AC, P.F, ≥ 0.90, high power LED's having efficacy ≥120 lumens/watt, and junction temperature < 75°C, with Ingress protection IP66, Driver surge protection 4KV, with optics distribution Type II medium, THD<10% at 110 Volts AC, driver efficiency ≥90%, CCT: 5600K, minimum CRI≥80, Inbuilt Electrical protections like Over voltage, short circuit, Over load, Open Circuit, Miswiring. Intelligent pole mounting option provides flexibility of vertical or horizontal pole mounting option complete, with Top Openable Maintenance and Manufacture has to submit LM79,LM80 & Photobiological Safety Report. Luminaire Performance Complies to IS10322 (Part 5/Sec 3) & IEC 60598-1,IEC 60529 and ISO certified company. LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN / HALONIX / HAVELLS / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM /		
	a	20 W	1 No	2473.00
	b	30 W	1 No	3875.00
	c	43 / 45 W	1 No	5771.00
	d	60 / 65 W	1 No	7337.00
	e	72 W	1 No	8533.00
	f	90W	1 No	11624.00
	g	120 W	1 No	14180.00
	h	150 W	1 No	16488.00
	i	180 W	1 No	18961.00
	j	210 W	1 No	23083.00
458	ELEC-3.11.2	Supply and transportation of LED Street light Luminaire made of high grade aluminum pressure die cast housing body with powder coated, having protective toughened glass (Silicon gasket ensures Optical & Electrical compartments are IP 66)protected, Supply Input voltage 120 - 270 V AC, P.F ≥ 0.90, high power LED's having efficacy ≥110 lumens/watt, System efficacy ≥95lm/W and junction temperature < 70°C, with Ingress 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. LUMINAIRE MAKE : AVNI / GOLDWYN / SURYA / MUELUX / KRIPA LIGHTS / / SYSKA / FORTUNE ART / CAPART / GREENLITES / R-LED / POLYCAB / INSTA POWER / GM / MILLION / JAQUAR. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.		
	a	20 W	1 No	2226.00
	b	30 W	1 No	3487.00
	c	43 / 45 W	1 No	5194.00
	d	60 / 65 W	1 No	6603.00
	e	72 W	1 No	7679.00
	f	90W	1 No	10462.00
	g	120 W	1 No	12762.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
	h	150 W	1 No	14839.00
	i	180 W	1 No	17065.00
	j	210 W	1 No	20610.00
459	ELEC-3.11.3	Supply and transportation of LED Street light Luminaire made of pressure die cast aluminum body with powder coated, having protective toughened glass (Silicon gasket ensures Optical & Electrical compartments are IP 66)protected, Supply Input voltage 120 - 270 V AC, P.F ≥ 0.90, high power LED's having efficacy ≥100 lumens/watt, System efficacy ≥85lm/W and junction temperature < 70°C, with Ingress 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. LUMINAIRE MAKE : STANJO / COSMO / TRINIC / VRILISO / KASHYAP BLU / PRO-LITE / SCINTILLA / GLOW GEN. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.		
	a	20 W	1 No	2102.00
	b	30 W	1 No	3293.00
	c	43 / 45 W	1 No	4905.00
	d	60 / 65 W	1 No	6237.00
	e	90W	1 No	9880.00
	f	120 W	1 No	12053.00
	g	150 W	1 No	14015.00
	h	180 W	1 No	16117.00
	i	210 W	1 No	19621.00
460	ELEC-3.11.4	Supply and transportation of LED Flood light Luminaire made of pressure die cast aluminum housing with powder coated, having toughened glass cover,IP 65/66 (Silicon gasket ensures Optical & Electrical compartments are IP 66)protected, 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 centigrade of IP65 with optics, total harmonic distortion less than 10% at 110 Volts AC, driver efficiency ≥90% etc complete. LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN / HALONIX / HAVELLS / HPL. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.		
	a	60 W	1 No	8755.00
	b	90 W	1 No	12259.00
	c	120 W	1 No	16463.00
	d	150 W	1 No	21105.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
461	ELEC-3.11.5	Supply and transportation of LED Flood light Luminaire made of pressure die cast aluminum housing with powder coated, having toughened glass cover, IP 65/66 (Silicon gasket ensures Optical & Electrical compartments are IP 66)protected, input voltage range of 100 to 270 volts AC, power factor ≥ 0.90 , high power LED's having efficacy 110 lumens/watt and junction temperature < 85 degree centigrade of IP65 with optics, total harmonic distortion less than 15% at 110 Volts AC, driver efficiency $\geq 90\%$ etc complete. LUMINAIRE MAKE : PHAROX / AVNI / GOLDWYN / SURYA / MUELUX / KRIPA LIGHTS / FORTUNE ART / CAPART / SYSKA / STANJO / GREENLITES / TRINIC / PRO-LITE / SCINTILLA / JSTC - SOLAR / INSTA POWER / GM / MILLION / JAQUAR / GLOW GEN. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.		
	a	60 W	1 No	7354.00
	b	90 W	1 No	10857.00
	c	120 W	1 No	13660.00
	3.12	LED DRIVERS		
462	ELEC-3.12.1	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. LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN / HALONIX / HAVELLS / HPL. LUMINAIRE MAKE : PHAROX / AVNI / GOLDWYN / SURYA / KRIPA LIGHTS / FORTUNE ART / CAPART / SYSKA / STANJO / GREENLITES / TRINIC / PRO-LITE / SCINTILLA / JSTC - SOLAR / INSTA POWER / GM / MILLION / JAQUAR.	1 No	206.00
			1 No	194.00
463	ELEC-3.12.2	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 12 / 18 W LED down lighter with 2 Years Warranty. LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN / HALONIX / HAVELLS / HPL. LUMINAIRE MAKE : PHAROX / AVNI / GOLDWYN / SURYA / KRIPA LIGHTS / FORTUNE ART / CAPART / SYSKA / STANJO / GREENLITES / TRINIC / PRO-LITE / SCINTILLA / JSTC - SOLAR / INSTA POWER / GM / MILLION / JAQUAR.	1 No	309.00
			1 No	289.00
464	ELEC-3.12.3	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. LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN / HALONIX / HAVELLS / HPL. LUMINAIRE MAKE : PHAROX / AVNI / GOLDWYN / SURYA / KRIPA LIGHTS / FORTUNE ART / CAPART / SYSKA / STANJO / GREENLITES / TRINIC / PRO-LITE / SCINTILLA / JSTC - SOLAR / INSTA POWER / GM / MILLION / JAQUAR.	1 No	478.00
			1 No	449.00
465	ELEC-3.12.4	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 40/45W, 2'x2' panel light with 2 Years Warranty. LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN / HALONIX / HAVELLS / HPL. LUMINAIRE MAKE : PHAROX / AVNI / GOLDWYN / SURYA / KRIPA LIGHTS / FORTUNE ART / CAPART / SYSKA / STANJO / GREENLITES / TRINIC / PRO-LITE / SCINTILLA / JSTC - SOLAR / INSTA POWER / GM / MILLION / JAQUAR.	1 No	577.00
			1 No	544.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
466	ELEC-3.12.5	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. LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN / HALONIX / HAVELLS / HPL.	1 No	346.00
		LUMINAIRE MAKE : PHAROX / AVNI / GOLDWYN / SURYA / KRIPA LIGHTS / FORTUNE ART / CAPART / SYSKA / STANJO / GREENLITES / TRINIC / PRO-LITE / SCINTILLA / JSTC - SOLAR / INSTA POWER / GM / MILLION / JAQUAR.	1 No	326.00
467	ELEC-3.12.6	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. LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN / HALONIX / HAVELLS / HPL.	1 No	734.00
		LUMINAIRE MAKE : PHAROX / AVNI / GOLDWYN / SURYA / KRIPA LIGHTS / FORTUNE ART / CAPART / SYSKA / STANJO / GREENLITES / TRINIC / PRO-LITE / SCINTILLA / JSTC - SOLAR / INSTA POWER / GM / MILLION / JAQUAR.	1 No	692.00
468	ELEC-3.12.7	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. LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN / HALONIX / HAVELLS / HPL.	1 No	1401.00
		LUMINAIRE MAKE : PHAROX / AVNI / GOLDWYN / SURYA / KRIPA LIGHTS / FORTUNE ART / CAPART / SYSKA / STANJO / GREENLITES / TRINIC / PRO-LITE / SCINTILLA / JSTC - SOLAR / INSTA POWER / GM / MILLION / JAQUAR.	1 No	1319.00
	3.13	INDUCTION LUMINARIES		
469	ELEC-3.13.1	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 with 5 years warranty. Makes : Crompton / Bajaj / Surya / LVD RAES / Billion Light / Fortune Art / Synergy Solutions / Tej-Kashyap.		
	a	80W	1 No	12441.00
	b	120W	1 No	14094.00
470	ELEC-3.13.2	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 with 5 years warranty. Makes : Crompton / Bajaj / Surya / LVD RAES / Billion Light / Fortune Art / Synergy Solutions / Tej-Kashyap.		
	a	150W	1 No	16142.00
	b	200W	1 No	17323.00
	3.14	BALLASTS FOR INDUCTION LAMPS		
471	ELEC-3.14.1	Supply of 80W ballasts for Induction Lamp. Makes : Crompton / Bajaj / Surya / Synergy Solutions / Fortune Art / Billion Light.	1 No	3465.00
472	ELEC-3.14.2	Supply of 120W ballasts for Induction Lamp. Makes : Crompton / Bajaj / Surya / Synergy Solutions / Fortune Art / Billion Light.	1 No	4094.00
473	ELEC-3.14.3	Supply of 150W ballasts for Induction Lamp. Makes : Crompton / Bajaj / Surya / Synergy Solutions / Fortune Art / Billion Light.	1 No	4567.00
474	ELEC-3.14.4	Supply of 200W ballasts for Induction Lamp. Makes : Crompton / Bajaj / Surya / Synergy Solutions / Fortune Art / Billion Light.	1 No	5039.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
SECTION - 4				
4.1 U.G. CABLES				
475	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 : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI.	1 Mtr	78.00
		Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	66.00
476	ELEC-4.1.2	Supply of 6 Sqmm 2 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI.	1 Mtr	92.00
		Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	79.00
477	ELEC-4.1.3	Supply of 10 Sqmm 2 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI.	1 Mtr	110.00
		Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	95.00
478	ELEC-4.1.4	Supply of 6 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI.	1 Mtr	111.00
		Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	95.00
479	ELEC-4.1.5	Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI.	1 Mtr	125.00
		Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	109.00
480	ELEC-4.1.6	Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI.	1 Mtr	138.00
		Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	119.00
481	ELEC-4.1.7	Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI.	1 Mtr	176.00
		Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	153.00
482	ELEC-4.1.8	Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI.	1 Mtr	210.00
		Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	180.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
483	ELEC-4.1.9	Supply of 50 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI. Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	277.00
			1 Mtr	238.00
484	ELEC-4.1.10	Supply of 70 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI. Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	358.00
			1 Mtr	309.00
485	ELEC-4.1.11	Supply of 95 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI. Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	466.00
			1 Mtr	402.00
486	ELEC-4.1.12	Supply of 120 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI. Makes : RPG / Finolex / Paragon / V-Guard / Fortune Art / Suncab / Finecab / Gemscab / Payal.	1 Mtr	569.00
			1 Mtr	493.00
487	ELEC-4.1.13	Supply of 150 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI. Makes : RPG / Finolex / V-Guard / Gloster / Suncab / Finecab / Gemscab.	1 Mtr	649.00
			1 Mtr	560.00
488	ELEC-4.1.14	Supply of 185 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI. Makes : RPG / V-Guard.	1 Mtr	795.00
			1 Mtr	686.00
489	ELEC-4.1.15	Supply of 240 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI. Makes : RPG / V-Guard.	1 Mtr	1009.00
			1 Mtr	871.00
490	ELEC-4.1.16	Supply of 300 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI. Makes : RPG / V-Guard.	1 Mtr	1233.00
			1 Mtr	1065.00
491	ELEC-4.1.17	Supply of 400 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes : Torrent / Universal / Unicab / Polycab / Havells / Gloster / KEI. Makes : RPG / V-Guard.	1 Mtr	1545.00
			1 Mtr	1334.00
	4.2	11 KV H.T. XLPE CABLES		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
492	ELEC-4.2.1	Supply of 3 Core 11 KV 35 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes : Torrent / Universal / Unicab / Polycab / Havells / KEI / RPG / Gloster.	1 No	513.00
493	ELEC-4.2.2	Supply of 3 Core 11 KV 50 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes : Torrent / Universal / Unicab / Polycab / Havells / KEI / RPG / Gloster.	1 No	581.00
494	ELEC-4.2.3	Supply of 3 Core 11 KV 70 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes : Torrent / Universal / Unicab / Polycab / Havells / KEI / RPG / Gloster.	1 No	694.00
495	ELEC-4.2.4	Supply of 3 Core 11 KV 95 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes : Torrent / Universal / Unicab / Polycab / Havells / KEI / RPG / Gloster.	1 No	827.00
496	ELEC-4.2.5	Supply of 3 Core 11 KV 120 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes : Torrent / Universal / Unicab / Polycab / Havells / KEI / RPG / Gloster.	1 No	940.00
497	ELEC-4.2.6	Supply of 3 Core 11 KV 150 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes : Torrent / Universal / Unicab / Polycab / Havells / KEI / RPG / Gloster.	1 No	1062.00
498	ELEC-4.2.7	Supply of 3 Core 11 KV 185 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes : Torrent / Universal / Unicab / Polycab / Havells / KEI / RPG / Gloster.	1 No	1255.00
499	ELEC-4.2.8	Supply of 3 Core 11 KV 240 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes : Torrent / Universal / Unicab / Polycab / Havells / KEI / RPG / Gloster.	1 No	1430.00
500	ELEC-4.2.9	Supply of 3 Core 11 KV 300 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes : Torrent / Universal / Unicab / Polycab / Havells / KEI / RPG / Gloster.	1 No	1617.00
	4.3	CABLE GLANDS		
501	ELEC-4.3.1	Supply of Single compression brass cable glands for 3.5 core XLPE armoured cable for 185Sqmm with brass washers complete.	1 No	257.00
502	ELEC-4.3.2	Supply of Single compression brass cable glands for 3.5 core XLPE armoured cable for 240Sqmm with brass washers complete.	1 No	387.00
503	ELEC-4.3.3	Supply of Single compression brass cable glands for 3.5 core XLPE armoured cable for 300Sqmm with brass washers complete.	1 No	455.00
504	ELEC-4.3.4	Supply of Single compression brass cable glands for 3.5 core XLPE armoured cable for 400Sqmm with brass washers complete.	1 No	515.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
505	ELEC-4.3.5	Supply of single compression brass cable glands for 4 core XLPE armoured cable up to 16.0 Sq.mm with brass washers complete.	1 No	74.00
506	ELEC-4.3.6	Supply of single compression brass cable glands for 3.5 core XLPE armoured cable from 25 Sqmm to 50.0 Sq.mm with brass washers complete.	1 No	109.00
507	ELEC-4.3.7	Supply of Single compression brass cable glands for 3.5 core XLPE armoured cable from 70 Sqmm to 150.0 Sq.mm with brass washers complete.	1 No	208.00
	4.4	LUGS		
508	ELEC-4.4.1	Supply of copper lugs confirming to I.S specifications for cable upto 16 Sq.mm including nuts and bolts with connections.	1 No	17.00
509	ELEC-4.4.2	Supply of copper lugs confirming to I.S specifications for cable of 25 Sq.mm including nuts and bolts with connections.	1 No	24.00
510	ELEC-4.4.3	Supply of copper lugs confirming to I.S specifications for cable of 35 Sq.mm including nuts and bolts with connections.	1 No	26.00
511	ELEC-4.4.4	Supply of copper lugs confirming to I.S specifications for cable of 50 Sq.mm including nuts and bolts with connections.	1 No	31.00
512	ELEC-4.4.5	Supply of copper lugs confirming to I.S specifications for cable of 70 Sq.mm including nuts and bolts with connections.	1 No	43.00
513	ELEC-4.4.6	Supply of copper lugs confirming to I.S specifications for cable of 95 Sq.mm including nuts and bolts with connections.	1 No	51.00
514	ELEC-4.4.7	Supply of copper lugs confirming to I.S specifications for cable of 120 Sq.mm including nuts and bolts with connections.	1 No	69.00
515	ELEC-4.4.8	Supply of copper lugs confirming to I.S specifications for cable of 150 Sq.mm including nuts and bolts with connections.	1 No	82.00
516	ELEC-4.4.9	Supply of copper lugs confirming to I.S specifications for cable of 185 Sq.mm including nuts and bolts with connections.	1 No	117.00
517	ELEC-4.4.10	Supply of copper lugs confirming to I.S specifications for cable of 240 Sq.mm including nuts and bolts with connections.	1 No	169.00
518	ELEC-4.4.11	Supply of copper lugs confirming to I.S specifications for cable of 300 Sq.mm including nuts and bolts with connections.	1 No	224.00
519	ELEC-4.4.12	Supply of copper lugs confirming to I.S specifications for cable of 400 Sq.mm including nuts and bolts with connections.	1 No	329.00
520	ELEC-4.4.13	Supply of aluminium lugs confirming to I.S specifications for cable upto 16 Sq.mm including nuts and bolts with connections.	1 No	9.00
521	ELEC-4.4.14	Supply of aluminium lugs confirming to I.S specifications for cable of 25 Sq.mm including nuts and bolts with connections.	1 No	11.00
522	ELEC-4.4.15	Supply of aluminium lugs confirming to I.S specifications for cable of 35 Sq.mm including nuts and bolts with connections.	1 No	13.00
523	ELEC-4.4.16	Supply of aluminium lugs confirming to I.S specifications for cable of 50 Sq.mm including nuts and bolts with connections.	1 No	16.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
524	ELEC-4.4.17	Supply of aluminium lugs confirming to I.S specifications for cable of 70 Sq.mm including nuts and bolts with connections.	1 No	20.00
525	ELEC-4.4.18	Supply of aluminium lugs confirming to I.S specifications for cable of 95 Sq.mm including nuts and bolts with connections.	1 No	21.00
526	ELEC-4.4.19	Supply of aluminium lugs confirming to I.S specifications for cable of 120 Sq.mm including nuts and bolts with connections.	1 No	28.00
527	ELEC-4.4.20	Supply of aluminium lugs confirming to I.S specifications for cable of 150 Sq.mm including nuts and bolts with connections.	1 No	31.00
528	ELEC-4.4.21	Supply of aluminium lugs confirming to I.S specifications for cable of 185 Sq.mm including nuts and bolts with connections.	1 No	36.00
529	ELEC-4.4.22	Supply of aluminium lugs confirming to I.S specifications for cable of 240 Sq.mm including nuts and bolts with connections.	1 No	56.00
530	ELEC-4.4.23	Supply of aluminium lugs confirming to I.S specifications for cable of 300 Sq.mm including nuts and bolts with connections.	1 No	72.00
531	ELEC-4.4.24	Supply of aluminium lugs confirming to I.S specifications for cable of 400 Sq.mm including nuts and bolts with connections.	1 No	94.00
	4.5	HEAT SHRINKABLE LT CABLE JOINTS		
532	ELEC-4.5.1	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials complete for 10 to 16 Sqmm with outer tubing seamless type.		
		Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	1024.00
533	ELEC-4.5.2	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials complete for 25 to 50 Sqmm with outer tubing seamless type.		
		Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	1217.00
534	ELEC-4.5.3	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials complete for 70 to 185 Sqmm with outer tubing seamless type.		
		Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	1756.00
535	ELEC-4.5.4	Supply and erecting heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials and all labour charges etc., complete for 240 to 300 Sqmm with outer tubing seamless type.		
		Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	3150.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
536	ELEC-4.5.5	Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable complete with necessary accessories and suitable clamps including cost and conveyance of materials complete for 400 Sqmm with outer tubing seamless type. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	4272.00
4.6 3 CORE 11 KV HT CABLE STRAIGHT THROUGH JOINTS				
537	ELEC-4.6.1	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade complete with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 16 to 35Sqmm with outer tubing tubular type. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	11866.00
538	ELEC-4.6.2	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade complete with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 50 to 95Sqmm with anti tracking material. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	14248.00
539	ELEC-4.6.3	Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade complete with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 120 to 185Sqmm with anti tracking material. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	18124.00
4.7 HT END TERMINATION KITS				
540	ELEC-4.7.1	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 70-95 Sqmm with necessary materials etc., complete. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	6465.00
541	ELEC-4.7.2	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 120 Sqmm with necessary materials etc., complete. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	6552.00
542	ELEC-4.7.3	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 150-185 Sqmm with necessary materials etc., complete. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	7028.00
543	ELEC-4.7.4	Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 240-300 Sqmm with necessary materials etc., complete.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
			1 No	7480.00
544	ELEC-4.7.5	Makes : Transeal - Hong shang / Raychem / M Seal / Multy. Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 70-95 Sqmm with necessary materials etc., complete with anti tracking red colour material as per IEC / IS specs only. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	9805.00
545	ELEC-4.7.6	Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 120 Sqmm with necessary materials etc., complete with anti tracking red colour material as per IEC / IS specs only. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	9891.00
545	ELEC-4.7.7	Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 150-185 Sqmm with necessary materials etc., complete with anti tracking red colour material as per IEC / IS specs only. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	10827.00
546	ELEC-4.7.8	Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 240-300 Sqmm with necessary materials etc., complete. Makes : Transeal - Hong shang / Raychem / M Seal / Multy.	1 No	11181.00
	4.8	DOUBLE WALLED CORRUGATED HDPE PIPE		
547	ELEC-4.8.1	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 with all accessories like couplers, bends, end caps, Ts etc., complete. Makes:DURA LINE (Dura Guard) or its equivalent make.	1 Mtr	83.00
548	ELEC-4.8.2	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 with all accessories like couplers, bends, end caps, Ts etc., complete. Makes:DURA LINE (Dura Guard) or its equivalent make.	1 Mtr	106.00
549	ELEC-4.8.3	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 with all accessories like couplers, bends, end caps, Ts etc., complete. Makes:DURA LINE (Dura Guard) or its equivalent make.	1 Mtr	129.00
550	ELEC-4.8.4	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 with all accessories like couplers, bends, end caps, Ts etc., complete. Makes:DURA LINE (Dura Guard) or its equivalent make.	1 Mtr	139.00
551	ELEC-4.8.5	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 with all accessories like couplers, bends, end caps, Ts etc., complete. Makes:DURA LINE (Dura Guard) or its equivalent make.	1 Mtr	216.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
552	ELEC-4.8.6	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 with all accessories like couplers, bends, end caps, Ts etc., complete. Makes:DURA LINE (Dura Guard) or its equivalent make.	1 Mtr	320.00
553	ELEC-4.8.7	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 with all accessories like couplers, bends, end caps, Ts etc., complete. Makes:DURA LINE (Dura Guard) or its equivalent make.	1 Mtr	420.00
554	ELEC-4.8.8	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 with all accessories like couplers, bends, end caps, Ts etc., complete. Makes:DURA LINE (Dura Guard) or its equivalent make.	1 Mtr	490.00
	4.9	CABLE TRAYS		
555	ELEC-4.9.1	Supply and Installation of 600mm x 75mm x 2mm thick hot dip GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1 Mtr	1024.00
556	ELEC-4.9.2	Supply and Installation of 600mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1 Mtr	756.00
557	ELEC-4.9.3	Supply and Installation of 450mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1 Mtr	665.00
558	ELEC-4.9.4	Supply and Installation of 300mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete.	1 Mtr	571.00
559	ELEC-4.9.5	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.	1 Mtr	315.00
560	ELEC-4.9.6	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.	1 Mtr	157.00
561	ELEC-4.9.7	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.	1 Mtr	236.00
562	ELEC-4.9.8	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.	1 Mtr	433.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Note: Perforated cable trays provided without cover 30% may be deducted from above rates.		
		SECTION - 5		
	5.1	FANS		
563	ELEC-5.1.1	Supply of 48" (1200mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings but without Regulator. Makes : Crompton / Bajaj Kassels 50 / Usha atom	1 No	1565.00
564	ELEC-5.1.2	Supply of 48" (1200mm) Sweep 5 Star rated Ceiling Fan without Regulator. Makes : Crompton HS Decora / Bajaj Regal star / Havells Fusion 50 / Orient Summer Crown / Usha technix decorative	1 No	1970.00
565	ELEC-5.1.3	Supply of 56" (1400mm) Sweep Ceiling Fan as per IS 374 - 1979 and, with double ball bearings but without Regulator. Makes : Crompton / Bajaj Kassels 50 / Usha atom	1 No	1635.00
566	ELEC-5.1.4	Supply of 56" (1400mm) Sweep 5 Star rated Ceiling Fan without Regulator. Makes : Crompton / Bajaj Elegance Star / Usha / Havells.	1 No	1920.00
567	ELEC-5.1.5	Supply of 16" (400mm) Wall mounted Fan. Makes : Crompton SDX Gold / Bajaj Elite / Havells Swing Premia gold / Usha / Orient Wall 43.	1 No	2090.00
568	ELEC-5.1.6	Supply of 16" (400mm) Pedestal Fan. Makes : Crompton SDX Gold / Bajaj Spectrum / Havells Swing Remote / Usha / Orient.	1 No	2410.00
569	ELEC-5.1.7	Supply of 18" (450mm) Wall mounting / Pedestal Air Circulators Makes : Crompton / Havells Turbo Force / Orient / Almounard.	1 No	5335.00
570	ELEC-5.1.8	Supply of 24" (600mm) Wall mounting / Pedestal Air Circulators Makes : Crompton / Havells Turbo Force / Almounard.	1 No	5865.00
571	ELEC-5.1.9	Supply of 12" (300mm) Cabin fan. Makes : Crompton / Havells ciera / Orient AP12.	1 No	1380.00
572	ELEC-5.1.10	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.	1 No	1200.00
573	ELEC-5.1.11	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.	1 No	1125.00
574	ELEC-5.1.12	Supply of 12" (300mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark Makes : Crompton / Almounard / Havells Turbo Force.	1 No	2350.00
575	ELEC-5.1.13	Supply of 15" (375mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes : Crompton / Almounard / Havells Turbo Force	1 No	2860.00
576	ELEC-5.1.14	Supply of 18" (450mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes : Crompton / Almounard / Havells Turbo Force	1 No	3645.00
	5.2	WATER HEATERS		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
577	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 SS flexible braided 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 / AO Smith	1 No	8265.00
578	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 SS flexible braided 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 / AO Smith	1 No	9690.00
	5.3	ACCESSORIES FOR WATER HEATERS		
579	ELEC-5.3.1	Heating element of 1.5 / 2.0 / 3.0 KW.	1 No	315.00
580	ELEC-5.3.2	Supply of thermostat with range 30 ⁰ to 90 ⁰ C.Adjustable and suitable for 25 to 50 Ltrs. Capacity.	1 No	217.00
581	ELEC-5.3.3	Supply of pressure release valve for water heater of 15 to 50 Ltrs.capacity.	1 No	217.00
582	ELEC-5.3.4	Flexible Nylon / PVC Metallic hose pipe	1 No	130.00
	5.4	STARTERS FOR MOTORS		
583	ELEC-5.4.1	Supply & Fixing of D.O.L Starter 250V, Single phase, 50Hz. With SS encloser comprising of contactor with bi-metalic relay with necessary push buttons, etc., complete.		
		Makes: Siemens / Crompton / L&T / BCH.	1 No	614.00
584	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 / BCH.	1 No	1142.00
585	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 / BCH.	1 No	1961.00
	5.5	SINGLE PHASE SUBMERSIBLE MOTOR PUMP SETS		
586	ELEC-5.5.1	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 / Aryan Varsha	1 No	13243.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	12613.00
587	ELEC-5.5.2	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 / Aryan Varsha	1 No	15135.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	14414.00
588	ELEC-5.5.3	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 / Aryan Varsha	1 No	15608.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	14865.00
589	ELEC-5.5.4	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 / Aryan Varsha	1 No	18919.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	18018.00
590	ELEC-5.5.5	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 / Aryan Varsha	1 No	22703.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	21622.00
	5.6	THREE PHASE SUBMERSIBLE MOTOR PUMP SETS.		
591	ELEC-5.6.1	Supply and Transportation of 3.00HP Star rated 5-10 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well.		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	28378.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	25541.00
592	ELEC-5.6.2	Supply and Transportation of 5.00HP Star rated 5-10 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well.		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	31982.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	287838.00
593	ELEC-5.6.3	Supply and Transportation of 5.00HP Star rated 12-16 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	35946.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	32351.00
594	ELEC-5.6.4	Supply and Transportation of 7.50HP Star rated 5-10 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	35405.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	31865.00
595	ELEC-5.6.5	Supply and Transportation of 7.5HP Star rated 12-16 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	39189.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	35270.00
596	ELEC-5.6.6	Supply and Transportation of 7.5HP Star rated 20-24 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well.		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	40180.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	36162.00
597	ELEC-5.6.7	Supply and Transportation of 10.00HP, Star rated 5-10 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well.		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	41441.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	37297.00
598	ELEC-5.6.8	Supply and Transportation of 10 HP 5 Star rated, 12-16 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well.		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	42793.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	38514.00
599	ELEC-5.6.9	Supply and Transportation of 10 HP 5 Star rated,20-24 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well.		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	48649.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	43784.00
600	ELEC-5.6.10	Supply and Transportation of 12.5HP 5 Star rated 8-12 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well.		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	41441.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	37297.00
601	ELEC-5.6.11	Supply and Transportation of 12.5HP 5 Star rated 16-24 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	50450.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	45405.00
602	ELEC-5.6.12	Supply and Transportation of 15HP 5 Star rated 8-12 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well.		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	54054.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	48649.00
603	ELEC-5.6.13	Supply and Transportation of 12.5HP 5 Star rated 16-24 Stage Three phase ISI submersible motor pumpset suitable for 6" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	55856.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	50270.00
	5.7	SINGLE PHASE OPEN WELL SUBMERSIBLE MOTOR PUMP SETS.		
604	ELEC-5.7.1	Supply and Transportation of 1.00HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	10405.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	9910.00
605	ELEC-5.7.2	Supply and Transportation of 1.50HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	11824.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	11261.00
606	ELEC-5.7.3	Supply and Transportation of 3.00HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	16081.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	15315.00
	5.8	THREE PHASE OPEN WELL SUBMERSIBLE PUMP SETS.		
607	ELEC-5.8.1	Supply and Transportation of 3.00HP Three phase open well ISI submersible motor pumpset.(65x50) Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	16081.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	15315.00
608	ELEC-5.8.2	Supply and Transportation of 5.00HP Three phase open well ISI submersible motor pumpset.(75x65) Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	19865.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	18919.00
609	ELEC-5.8.3	Supply and Transportation of 7.50HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	23649.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	22523.00
610	ELEC-5.8.4	Supply and Transportation of 10.00HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha		
		Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	30270.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	28829.00
	5.9	SINGLE PHASE MONO BLOCK MOTOR PUMP SETS.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
611	ELEC-5.9.1	Supply and Transportation of 0.5HP Single phase, 2880 RPM 50 Hz ISI Mono block CI body motor pumpset (25x25mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	4635.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	4414.00
612	ELEC-5.9.2	Supply and Transportation of 1.0HP Single phase ISI Mono block CI body motor pumpset (25x25mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	6716.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	6396.00
613	ELEC-5.9.3	Supply and Transportation of 1.5HP Single phase ISI Mono block CI body motor pumpset (32x25mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	8986.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	8559.00
614	ELEC-5.9.4	Supply and Transportation of 1.02HP Single phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	11351.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	10811.00
615	ELEC-5.9.5	Supply and Transportation of 2.00HP Three phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	13243.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	12613.00
616	ELEC-5.9.6	Supply and Transportation of 3.00HP Three phase ISI self priming Mono block IP44 motor pumpset (50x50mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	17973.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	17117.00
617	ELEC-5.9.7	Supply and Transportation of 5.00HP Three phase ISI self priming Mono block IP44 motor pumpset (80x80mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Aryan Varsha	1 No	21757.00
		Makes: Varuna / Flowell / Waterman / Techno / Mahavir / Unitech / Fitwell / Lubi / Falcon / Sterling.	1 No	20721.00
	5.10	CONTROL PANEL BOARD FOR MOTORS		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
618	ELEC-5.10.1	Supply and Transportation of control panel for single phase submersible motors up to 3 HP @ 220V 50Hz operating range between 80 to 240V including supply and fixing of Direct - on - Line LTLK / SIEMENS / CROMPTON make Volt meter and Ammeter with starting and running capacitors assembled with ISI mark contactors and fitted with Legrand make ISI mark MCB etc., complete.	1 No	4571.00
	5.11	REPAIRS TO MOTORS AND REWINDING, BEARINGS		
619	ELEC-5.11.1	Bearing of approved make for electric motor single phase / 3 phase AC upto 1 HP of all types.	1 No	161.00
620	ELEC-5.11.2	Bearing of approved make for electric motor single phase / 3 phase AC upto 2 to 3 HP of all types.	1 No	208.00
621	ELEC-5.11.3	Bearing of approved make for electric motor single phase / 3 phase AC upto 5 to 7.5 HP of all types.	1 No	276.00
622	ELEC-5.11.4	Bearing of approved make for electric motor single phase / 3 phase AC upto 10 to 12.5 HP of all types.	1 No	287.00
623	ELEC-5.11.5	Bearing of approved make for electric motor single phase / 3 phase AC upto 15 to 20 HP of all types.	1 No	441.00
624	ELEC-5.11.6	Bearing of table / cabin / pedestal / ceiling / exhaust fan complete with alignment of shaft and tested.	1 No	76.00
625	ELEC-5.11.7	Bearing of bush / rubber / ring washers complete with alignment of shaft and tested.	1 No	36.00
626	ELEC-5.11.8	Capacitor of table / cabin / pedestal / ceiling / exhaust fan complete.	1 No	34.00
627	ELEC-5.11.9	EICHER model 11:10 with 100 H.P. direct injection 4 stroke engine with one spare wheel 3800 mm cabin high deck with jangla (full body) (4 wheeler) for generator	1 No	716278.00
	5.12	ACCESSORIES OF MOTORS		
628	ELEC-5.12.1	Supply, Transportation and fixing of suitable pump guard set (2Nos SS), Flanges set (2 Nos) to protect and safe guard the pump and Motor from vibrations while starting and switching of the pumpset.		
	a	OD 42mm	1 No	342.00
	b	OD 48mm	1 No	405.00
	c	OD 60mm	1 No	586.00
	d	OD 75mm	1 No	703.00
	e	OD 80mm	1 No	901.00
629	ELEC-5.12.2	Supply, Transportation and fixing of seamless cast iron adopter assembly (Two Nos at bottom of the pipe to coupling to the pump set and the other at top end of the pipes) for installing the pump set with pipes including cost and conveyance of all materials, taxes etc., complete.		
	a	OD 42mm	1 No	991.00
	b	OD 48mm	1 No	1171.00
	c	OD 60mm	1 No	1342.00
	d	OD 75mm	1 No	1441.00
	e	OD 80mm	1 No	1802.00
630	ELEC-5.12.3	Supply, Transportation and fixing of following galvanised GI bends heavy duty with threaded at both ends for installing the pump set including cost and conveyance of all materials, taxes etc., complete.		
	a	50mm dia 90 degree bend with length of 20cm (Center to face)	1 No	158.00
	b	65mm dia 90 degree bend with length of 20cm (Center to face)	1 No	216.00
	c	80mm dia 90 degree bend with length of 20cm (Center to face)	1 No	270.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
631	ELEC-5.12.4	Supply, Transportation and fixing of following MS threaded Flanges 2 Nos with nuts and bolts including cost and conveyance of all materials, taxes etc., complete.		
	a	50mm dia MS flanges set (2 Nos) 150mm dia OD, 12mm thick each flange with required dia bolts and nuts.	1 No	188.00
	b	65mm dia MS flanges set (2 Nos) 165mm dia OD, 12mm thick each flange with required dia bolts and nuts.	1 No	315.00
	c	80mm dia MS flanges set (2 Nos) 175mm dia OD, 12mm thick each flange with required dia bolts and nuts.	1 No	342.00
632	ELEC-5.12.5	Supply, Transportation and fixing of MS Clamp set with nuts and bolts.		
	a	50mm dia, 450mm length, 12mm thickness and 75mm wide with required nuts and bolts.	1 No	180.00
	b	65mm dia, 450mm length, 12mm thickness and 75mm wide with required nuts and bolts.	1 No	270.00
	c	80mm dia, 450mm length, 12mm thickness and 75mm wide with required nuts and bolts.	1 No	360.00
	d	150mm dia galvanised bore cover with bolts and nuts.	1 No	135.00
	e	150mm dia stainless steel bore cover with bolts and nuts.	1 No	270.00

6.1 AIR CONDITIONERS

633	ELEC-6.1.1	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		
		1.5TR Split ACs		
	a	1.5 TR 3 Star capable of delivering 18000 BTU/hr and above of makes Mitsubishi SRIC18CS-S6	1 No	33850.00
	b	1.5 TR 3 Star capable of delivering 18000 BTU/hr and above of makes Daikin FTE-M or N Sereis / Carrier Novello / Blue Star 3HW18VB1 / Hitachi (Kazi+) / Voltas 183 PX-R.	1 No	31181.00
	c	1.5 TR 5 Star capable of delivering 18000 BTU/hr and above of makes Mitsubishi SRK 20 CSS-S6	1 No	42118.00
	d	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 3HU34JCFU.	1 No	37000.00
		1.8TR-2.1TR Split ACs		
	e	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	1 No	39567.00
	f	2.0 TR 4 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-22 makes 'O' General.	1 No	44480.00
	g	2.0 TR 5 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-22 makes Carrier or equivalent in Blue Star / Voltas.	1 No	42913.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		h 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	1 No	47236.00
		6.2 INVERTER SPLIT AC UNITS (COOLING ONLY)		
634	ELEC-6.2.1	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 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		
		a 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	1 No	42165.00
		b 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	1 No	46449.00
		c 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	1 No	51898.00
		d 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	1 No	54563.00
		6.3 CASSETTE TYPE AC UNITS		
635	ELEC-6.3.1	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.		
		a Single Phase R-22 Makes: 2.2TR Daikin FHC28EXVI / R28CGXVI 2.0TR 'O' Genral AUG25AB	1 No	64567.00
		b 3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-22 makes Makes: 'O' Genral	1 No	102433.00
		c 3.5TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22 Makes: 'O' General	1 No	108614.00
		d 3.3TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22 Makes: Daikin FHC40EXVI / R40DGXY1	1 No	103780.00
		e 3.5TR Three Phase Makes: Carrier / Blue Star	1 No	98425.00
		f 4.1TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-22 Makes: Daikin FHC50EXV1 / R50DGXY1 / 'O' Genral	1 No	118874.00
		g 4.0TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-22 Makes: Carrier / Blue Star	1 No	90551.00
		h 3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-410 Makes: Carrier / Blue Star.	1 No	91575.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
	i	3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-410 Makes: Toshiba / O General (Inverter Technology)	1 No	122181.00
	j	4.0TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-410 Makes: Carrier / Blue Star	1 No	104724.00
	k	4.0TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-410 Makes: Toshiba / O General (Inverter Technology)	1 No	132433.00
	6.4	TOWER MODEL TYPE AC UNITS		
636	ELEC-6.4.1	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		
	a	3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-22 Makes: Voltas	1 No	62992.00
	b	3.5TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22 Makes: Blue Star	1 No	64961.00
	6.5	INVERTOR MODEL HEAT COOL SPLIT AC'S		
637	ELEC-6.5.1	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 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: Diakin Model No FTYN50JXVI or its equivalent model of Toshiba / Mitsubishi / O General.	1 No	45969.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
638	ELEC-6.5.2	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: Diakin Model No FTYN60JXVI or its equivalent model of Toshiba / Mitsubishi / O General	1 No	54203.00
	6.6	REPAIRS TO AIR CONDITIONERS		
639	ELEC-6.6.1	Supply, Fabrication of 1set MS bracket suitable for fixing out door unit of split AC unit.	1 Set	787.00
640	ELEC-6.6.2	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"	1 Mtr	787.00
641	ELEC-6.6.3	Supply of 1.0 / 1.5 Ton brand new Rotary type sealed compressor.	1 No	6417.00
642	ELEC-6.6.4	Supply of 2.0 Ton brand new Rotary type sealed compressor.	1 No	7283.00
643	ELEC-6.6.5	Multi speed Fan Motor suitable for 1.0 / 1.5 / 2.0 Ton Window A.C.Unit of makes Crompton / AU.	1 No	1252.00
644	ELEC-6.6.6	Fan motor capacitor 6 mfd by new capacitor for A.C machine of 1.0 1.5 / Ton Capacity.	1 No	123.00
645	ELEC-6.6.7	Thermostat switch suitable for 1.0 / 1.5 / 2.0 Ton A.C.Unit.	1 No	323.00
646	ELEC-6.6.8	Starting capacitor of 80 to 120 mfd. by new approved make capacitor suitable for compressor motor of 1.0 / 1.5 Ton A.C. Unit.	1 No	157.00
647	ELEC-6.6.9	Running capacitor of 36 mfd by new approved make capacitor suitable for compressor motor of 1.0 / 1.5 Ton A.C.Unit.	1 No	191.00
648	ELEC-6.6.10	Relay by approved make having pickup voltage 220 Volts and dropout voltage 120 Volts suitable for 1.0 / 1.50 Ton A.C. Unit.	1 No	177.00
649	ELEC-6.6.11	Filter and capillary tube including welding etc., complete for 1.0 / 1.5 / 2.0 Ton A.C.Unit.	1 No	382.00
650	ELEC-6.6.12	Air filter suitable for 1.50 Ton Window A.C.Unit P.V.C. / NYLON.	1 No	177.00
651	ELEC-6.6.13	Air filter suitable for 1.50 Ton Split A.C.Unit P.V.C. / NYLON.	1 No	374.00
652	ELEC-6.6.14	Rewiring the entire Window type 1.50 Ton A.C.unit with 2.5 Sq.mm Flexible copper cable and putting the same in working conditions.	1 No	256.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
653	ELEC-6.6.15	Complete servcing of 1.0 - 2.0 TR AC unit with cleaning the condensor cooling Coil etc., by blower and oiling the Fan Motor and Cleaning all parts and putting the machine in working condition.	1 No	400.00
654	ELEC-6.6.16	Fan blade for 1.0 / 1.5 Ton A.C.Machine.	1 No	441.00
655	ELEC-6.6.17	Grill of 1.0 / 1.5 ton A.C. Machine (for assembled Units).	1 No	336.00
656	ELEC-6.6.18	Grill of 1.0 / 1.5 ton A.C. Machine of branded units.	1 No	1339.00
657	ELEC-6.6.19	Rotary / Selector switch for window AC.	1 No	91.00
658	ELEC-6.6.20	Flushing the line, leak testing, leak stopping, vaccumming, dehydrating and charging the gas in the refrigeration system for 1.0/ 1.5 /2.0 Ton Window A.C.Unit.	1 No	1500.00
659	ELEC-6.6.21	Flushing the line, leak testing, leak stopping, vaccumming, dehydrating and charging the gas in the refrigeration system for 1.5 /2.0 Ton Split A.C.Unit.	1 No	2100.00
660	ELEC-6.6.22	Spray painting of Refrigerator using good quality paint after scraping the surface etc.	1 No	720.00
661	ELEC-6.6.23	Sealed compressor of 1/8 HP suitable for 165 to 185 Ltrs. Capacity Refrigerator.	1 No	2441.00
662	ELEC-6.6.24	Sealed compressor of 1/6 HP suitable for 285 / 310 Ltrs. Capacity Refrigerator.	1 No	2953.00
663	ELEC-6.6.25	Supply of fan motor by new 1/10 to 1/12 H.P 1250 RPM fan motor for Water Cooler of 80-150 Ltrs.	1 No	1252.00
664	ELEC-6.6.26	Gun metal Bush for fan motor.	1 No	98.00
665	ELEC-6.6.27	Resistance type regulator for ceiling fans 900/1200/1400mm sweep complete erected on existing board.	1 No	31.00
666	ELEC-6.6.28	Installation of Split Air Conditioners.	1 No	1500.00
667	ELEC-6.6.29	Removing of existing Split Air Conditioners without damaging to copper pipe.	1 No	400.00
668	ELEC-6.6.30	Installation of Cassette type Split Air Conditioners.	1 No	3000.00
669	ELEC-6.6.31	Installation of Tower type Split Air Conditioners.	1 No	2500.00
670	ELEC-6.6.32	Supply, Fabrication of 1set MS bracket suitable for fixing out door unit of Casseete AC unit.	1 Set	1575.00
671	ELEC-6.6.33	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"	1 Mtr	1181.00
672	ELEC-6.6.34	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"	1 Mtr	1378.00
	6.7	EVAPORATIVE AIR COOLING SYSTEM		
673	ELEC-6.7.1	Supply of single phase evaporative air cooling unit with a capacity of 8000 CFM consisting cabinet and water tank made of polypropylene material, blower water pump of 40W, single phase 1.20 KW motor axial type fan with variable speed, 20 micron filtration, noise level less than 78 dBA with auto cleaning and water lack protection etc complete. Makes: Cool Breeze / Breeze Air	1 No	96070.00
674	ELEC-6.7.2	Supply of single phase evaporative air cooling unit with a capacity of 11000 - 12000 CFM consisting cabinet and water tank made of polypropylene material, blower water pump of 40W, single phase 1.20 KW / 1.5 KW motor axial type fan with variable speed, 20 micron filtration, noise level less than 78 dBA with auto cleaning and water lack protection etc complete. Makes: Cool Breeze / Breeze Air	1 No	113537.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
675	ELEC-6.7.3	Supply of three phase evaporative air cooling unit with a capacity of 17000 CFM consisting cabinet and water tank made of polypropylene material, blower water pump of 60W, three phase, 3.0 KW motor, axial type fan with 2 speed, 20 micron filtration, noise level less than 78 dBA with auto cleaning and water lack protection etc complete. Makes: Cool Breeze / Breeze Air	1 No	157205.00
676	ELEC-6.7.4	Supply, Fabrication and erection of GI ducting of 24 guage with necessary GI / MS supports. Makes : Tata / Zindal	1 Sft	72.00
677	ELEC-6.7.5	Supply and fixing of 40mm thick thermocole insulation of 16 kg density with GI mesh and 12mm thick cement mortor plastering for out door unit.	1 Sft	66.00
678	ELEC-6.7.6	Supply and fixing of 40mm thick glasswool of 24 kg density with alluminium foil insulation for indoor duct.	1 Sft	52.00
679	ELEC-6.7.7	Supply and fixing of alluminium powder coated grill with volume control dampers.	1 Sft	590.00
680	ELEC-6.7.8	Supply and fixing of angular iron frame with 2 coats of zincromat red oxide for installation of air cooling unit.	1 No	4192.00
681	ELEC-6.7.9	Installation and commissioning charges for air cooling unit.	1 No	4000.00
	6.8	STABILIZERS		
682	ELEC-6.8.1	Supply of 0.5 KVA Stabilizer Makes : V-Guard / Real Guard / Uni Stab / ITL. Make : Keeline / Soft Line / Capri.	1 No 1 No	843.00 689.00
683	ELEC-6.8.2	Supply of 1.0 KVA Stabilizer. Makes : V-Guard / Real Guard / Uni Stab / ITL. Make : Keeline / Soft Line / Capri.	1 No 1 No	1536.00 1374.00
684	ELEC-6.8.3	Supply of 3.0 KVA Stabilizer Makes : V-Guard / Real Guard / Uni Stab / ITL. Make : Keeline / Soft Line / Capri.	1 No 1 No	1915.00 1762.00
685	ELEC-6.8.4	Supply of 4.0 KVA Stabilizer Makes : V-Guard / Real Guard / Uni Stab / ITL. Make : Keeline / Soft Line / Capri.	1 No 1 No	2553.00 2426.00
686	ELEC-6.8.5	Supply of 5.0 KVA Stabilizer Makes : V-Guard / Real Guard / Uni Stab / ITL. Make : Keeline / Soft Line / Capri.	1 No 1 No	3064.00 2915.00
	7.1	SWAGED POLES / OCTOGONAL POLES, GARDEN POSTS AND ACCESSORIES		
687	ELEC-7.1.1	Fabrication, supply and transportation of all sizes swaged poles up to site confirming to IS 2713 / 1980 specifications. The pole should be painted with primary coat of red oxide and black bituminous paint up to ground level with base plate, including cost of all materials etc., complete.(Rate per K. G)	1 Kg	56.00
688	ELEC-7.1.2	Fabrication and Supply of M.S. Poles for garden posts with 'B' class 60.25mm outer dia with base plate and suitable pole cap including cost and conveyance of all material including fixing of luminaire and labour charges etc., complete. (Rate per K. G)	1 Kg	51.00
689	ELEC-7.1.3	Supply of different sizes of M. S. Pipe brackets (Rate per K.G)	1 Kg	51.00
	7.2	OCTOGONAL POLES		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
690	ELEC-7.2.1	Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 7.50 Mtrs height Pole having dimensions Bottom 130 mm,. Top 70mm with 3mm thick, base plate 220 x 220 x 12mm and 4 Nos of M20 x 700 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL. Makes : Surya / LAASMA / Skipper.	1 No 1 No	8383.00 7202.00
691	ELEC-7.2.2	Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 9 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. Makes : Surya / LAASMA / Skipper.	1 No 1 No	12380.00 10635.00
692	ELEC-7.2.3	Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 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. Makes : Surya / LAASMA / Skipper.	1 No 1 No	13386.00 11101.00
693	ELEC-7.2.4	Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 12 mtrs height Pole having dimensions Bottom 200mm, Top 90mm with 4mm thick, base plate 320 x320 x20mm and 4 Nos of M24 x 850 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL. Makes : Surya / LAASMA / Skipper.	1 No 1 No	19717.00 17745.00
	7.3	BRACKETS		
694	ELEC-7.3.1	Fabrication, Transportation and supply of 1.0 Mtr Length Single Arm standard Bracket made with MS galvanized 50mm dia Pipe.	1 No	957.00
695	ELEC-7.3.2	Fabrication, Transportation and supply of 1.50 Mtr Length Single Arm standard Bracket made with MS galvanized 50mm dia Pipe.	1 No	1263.00
696	ELEC-7.3.3	Fabrication, Transportation and supply of of 1.5mtrs sword type decorative Single arm bracket with dooms complete with all accessories with MS galvanized 50mm dia Pipe.	1 No	2992.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
697	ELEC-7.3.4	Fabrication, Transportation and supply of 1.5mtrs decorative galvanized Single arm bracket with PU paint complete with all accessories with MS galvanized 50mm dia Pipe.	1 No	3543.00
698	ELEC-7.3.5	Fabrication, Transportation and supply of 1 Mtr length Double Arm standard Bracket made with MS galvanized 50mm dia Pipe.	1 No	1181.00
699	ELEC-7.3.6	Fabrication, Transportation and supply of 1.50 Mtr length Double Arm standard Bracket made with MS galvanized 50mm dia Pipe.	1 No	2126.00
700	ELEC-7.3.7	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 50mm dia Pipe.	1 No	3898.00
701	ELEC-7.3.8	Fabrication, Transportation and supply of 1.5mtrs decorative galvanized double arm bracket with PU paint complete with all accessories with MS galvanized 50mm dia Pipe.	1 No	6693.00
	7.4	HIGH MAST POLES		
702	ELEC-7.4.1	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. Makes : Surya / LAASMA / Skipper.	1 No 1 No	81381.00 69913.00
703	ELEC-7.4.2	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 2 sections and should 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. Makes : Surya / LAASMA / Skipper.	1 No 1 No	106204.00 95583.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
704	ELEC-7.4.3	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 2 sections and should 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.	1 No	132485.00
		Makes : Surya / LAASMA / Skipper.	1 No	119236.00
	7.5	FEEDER PILLER BOX		
705	ELEC-7.5.1 a	Supply and fixing of suitable feeder piller 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, din channel, 6 Sqmm 3 core copper cable for individual light control, contactor, connectors and provision for energy meter etc., complete for finished item of work.	1 No	22743.00
	ELEC-7.5.1 b	Supply and fixing of suitable out door feeder piller box of size 3' x 2' x 1' made with 14 SWG CRCA sheet with double door arrangement, making powder coating after processing of 7 Tank process, lock and key, hinges, rubber gasket, danger board, suitable angle iron stand for mounting the feeder pillar with cement concrete, including Supply and fixing of Legrand / Schnieder make ----- As incomer, ----- Nos 6-32A SP MCB as out goings, indication lamps, din channel, 6 Sqmm 3 core copper cable for individual light control, connectors, gland plates and provision for 3 phase energy meter etc., complete for finished item of work and suitable wiring provision for connecting the nature switch with following.		
	i	40A 4 Pole Isolator as incomer, 6 Nos 6-32A SP MCBs as out goings.	1 No	13543.00
	ii	63A, 4 Pole isolator as incomer, 6 Nos 6-32A SP MCBs as out goings.	1 No	13603.00
	iii	63A, 4 Pole isolator as incomer, 9 Nos 6-32A SP MCBs as out goings.	1 No	14078.00
706	ELEC-7.5.2 a	Supply and fixing of suitable feeder piller 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, din channel, 6 Sqmm 3 core copper cable for individual light control, connectors and provision for energy meter etc., complete for finished item of work.	1 No	23994.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
	ELEC-7.5.2 b	Supply and fixing of suitable out door feeder pillar box of size 3' x 2' x 1' made with 14 SWG CRCA sheet with double door arrangement, making powder coating after processing of 7 Tank process, lock and key, hinges, rubber gasket, danger board, suitable angle iron stand for mounting the feeder pillar with cement concrete, including Supply and fixing of Legrand / Schnieder make ----- As incomer, ----- Nos 6-32A SP MCB as out goings, indication lamps, din channel, 6 Sqmm 3 core copper cable for individual light control, connectors, gland plates and provision for 3 phase energy meter etc., complete for finished item of work and suitable wiring provision for connecting the nature switch with following.		
	i	40A -63A, 4 Pole MCB as incomer, 6 Nos 6-32A SP MCBs as out goings.	1 No	14398.00
	ii	63A, 4 Pole MCB as incomer, 9 Nos 6-32A SP MCBs as out goings.	1 No	14794.00
	7.6	ERRECTION OF HIGH MAST POLES		
707	ELEC-7.6.1	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 Carraige etc complete.	1 No	28073.00
708	ELEC-7.6.2	Earth work excavation with a approximate quantity of 6.0 Cum for erection of 16 Mtrs high mast and refilling with a quantity of 0.65 Cum of PCC 1:4:8, 2.60 Cum M 20 grade concrete and (110 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carraige etc complete.	1 No	35794.00
709	ELEC-7.6.3	Earth work excavation with a approximate quantity of 7.0 Cum for erection of 20 Mtrs high mast and refilling with a quantity of 0.75 Cum of PCC 1:4:8, 3.60 Cum M 20 grade concrete and (140 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carraige etc complete.	1 No	45551.00
	7.7	CONICAL POLES		
710	ELEC-7.7.1	Fabrication, transportation and supply of MS hot dip galvanized 9.0 Mtrs long Conical poles with 3mm thick HT steel plate with a bottom 173mm dia and top 75mm dia, base plate of size 275mmx275mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.0 mtrs C type decorative single arm with painted bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work.		
		Makes: Bajaj / Valmont / TRANSRAIL.	1 No	11480.00
		Makes : Surya / LAASMA	1 No	10332.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
711	ELEC-7.7.2	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 / TRANSRAIL. Makes : Surya / LAASMA	1 No 1 No	13181.00 11863.00
7.8 THERMO PLASTIC POLE BOXES				
712	ELEC-7.8.1	Supply of following sizes thermo plastic pole boxes IP 65 protection. Make : Hensel / Sintex		
	a	300X150X170		1038.00
	b	300X300X170		1489.00
	c	300X450X170		2030.00
	d	300X600X170		2409.00
7.9 FOUNDATION AND ERRECTION CHARGES OF POLES				
713	ELEC-7.9.1	Erection charges for 7.50 Mts long Octagonal pole on bridge kerb portion (R.C.C). with 4 Nos 8" Anchor bolts/ M20xsuitable "J" type bolts etc duly drilling holes to RCC slab and with V.C.C. M.15 concrete for base concreting up to a height of 8" with necessary Reinforcement work etc. including cost and conveyance of all material and all labour charges etc. complete as directed by the department officers.	1 No	3200.00
714	ELEC-7.9.2	Foundation and erection charges with special T&P, for 7.50 Mtrs long Octagonal / Conical pole duly erecting on base plate duly providing 4 Nos foundation bolts with nuts with providing of 0.45Mtrx0.45Mtrsx1.20 Mtr size M20 cc work vibrated concreting mixing with necessary steel (10kgs) reinforcement as directed by the field engineers during execution including all labour charges and cost and conveyance of materials etc. complete.	1 No	4500.00
715	ELEC-7.9.3	Foundation and erection charges with special T&P, for 9.00Mtrs / 10Mtrs long Octagonal / Conical pole duly erecting on base plate duly providing 4 Nos foundation bolts with nuts with providing of 0.60Mtrx0.60Mtrsx1.40 Mtr size M20 cc 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.	1 No	6000.00
716	ELEC-7.9.4	Foundation and erection charges with special T&P, for 12Mtrs long Octagonal / Conical pole duly erecting on base plate duly providing 4 Nos foundation bolts with nuts with providing of 0.67Mtrx0.67Mtrsx1.50 Mtr size M20 cc work vibrated concreting mixing with necessary steel (20kgs) reinforcement as directed by the field engineers during execution including all labour charges and cost and conveyance of materials etc. complete.	1 No	7500.00
7.10 G R P POLES				

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
717	ELEC-7.10.1	Supply and transportation of following glass reinforced polymer (GRP) composite type Conical pole with single arm bracket of length 1Mtr and internal junction box including labour charges etc., complete. Makes: Bajaj / Kemrock / Sumip.		
	a	3.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	1 No	7014.00
	b	4.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	1 No	8794.00
	c	6.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	1 No	11240.00
	d	8.00 Mtrs height, Bottom dia 193mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	1 No	14799.00
	e	10.00 Mtrs height, Bottom dia 227mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr	1 No	21471.00
718	ELEC-7.10.2	Supply and transportation of base bracket suitable for glass reinforced polymer (GRP) composite type pole including labour charges etc., complete. Makes : Bajaj / Kemrock / Sumip.		
	a	For 3.00 Mtrs Pole	1 No	1299.00
	b	For 4.00 Mtrs Pole	1 No	1299.00
	c	For 6.00 Mtrs Pole	1 No	1559.00
	d	For 8.00 Mtrs Pole	1 No	1819.00
	e	For 10.00 Mtrs Pole	1 No	4331.00
	7.11	CONTROL PANEL BOARD		
719	ELEC-7.11.1	Fabrication and erection of 14SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.	1 Sq Mtr	4133.00
720	ELEC-7.11.2	Fabrication and erection of 16 SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.	1 Sq Mtr	3838.00
721	ELEC-7.11.3	Fabrication and erection of 18SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.	1 Sq Mtr	3395.00
	7.12	METERING EQUIPMENT		
722	ELEC-7.12.1	Supply and erection of 0-415V volt Digital meter on existing box / panel board including connections etc., complete. MAKES : CONZERVE / ELMEASURE / L&T / SEIMENS / HPL.	1 No	1969.00
723	ELEC-7.12.2	Supply and erection of 0-415V volt Analog meter on existing box / panel board including connections etc., complete. MAKES : CONZERVE / ELMEASURE / L&T / SEIMENS / HPL.	1 No	354.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
724	ELEC-7.12.3	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 / L&T / SEIMENS / HPL.	1 No	1969.00
725	ELEC-7.12.4	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 / L&T / SEIMENS / HPL.	1 No	354.00
726	ELEC-7.12.5	Supply and erection of Digital frequency meter on existing box / panel board including connections etc., complete. MAKES : CONZERVE / ELMEASURE / L&T / SEIMENS / HPL.	1 No	3587.00
727	ELEC-7.12.6	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 / L&T / SEIMENS / HPL.	1 No	2126.00
728	ELEC-7.12.7	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 / L&T / SEIMENS / HPL.	1 No	7892.00
729	ELEC-7.12.8	Supply and erection of selector switch for voltmeter / Ammeter on the existing box / panel including connections etc., complete. Makes : L&T / C&S / SALZAR / HPL MAKE.	1 No	138.00
730	ELEC-7.12.9	Supply and erection of LED indicator lamps on the existing box / panel board. Makes : L&T / C&S / SALZAR / HPL MAKE.	1 No	106.00
731	ELEC-7.12.10	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. MAKE : KAPPA	1 No	354.00
732	ELEC-7.12.11	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.	1 No	827.00
733	ELEC-7.12.12	Supply and fixing of three phase Electronic energy Meter, 415V AC,50 HZ as per IS13010 up to 40A range with 200% over load capacity complete with connections etc., complete on the existing board. Makes : CONZERVE / ELMEASURE / MECO / HPL / HAVELLS.	1 No	2391.00
734	ELEC-7.12.13	Supply and fixing of 8 Stage APFC Relay with connection etc complete. Makes : L&T / Siemens / EPCOS / Schneider / Elmeasure	1 No	10709.00
735	ELEC-7.12.14	Supply and fixing of 14 Stage APFC Relay with connection etc complete. Makes : L&T / Siemens / EPCOS / Schneider / Elmeasure	1 No	13307.00

7.13 SUB STATION EQUIPMENT

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
736	ELEC-7.13.1	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	1 No	4000.00
737	ELEC-7.13.2	Carryout routine maintenance and servicing of LT.Cubical pannel board having approximately 15 to 22 Nos of switches cleaning with power brower and servicing the contacts, tightning the connection of incoming and outgoing cables, and clicking the operating machanism for smooth functioning of switches and putting them in smooth working condition.	1 No	2500.00
738	ELEC-7.13.3	Routine maintenance of transformer in operation covering insulation resistance oil, break down strength. Reconditioning / replacement of silicazel, cleaning of transformer and topping upto oil level if required (extra cost will be paid for oil).	1 No	4350.00
739	ELEC-7.13.4	Testing of Transformer oil for dielectric breakdown strength.	1 No	500.00
740	ELEC-7.13.5	Removing the existing transformer from the plinth / Pole and refixing the standby transformer of following capacity including connections etc., complete.- Upto 315 KVA	1 No	2500.00
741	ELEC-7.13.6	Removing the existing transformer from the plinth / Pole and refixing the standby transformer of following capacity including connections etc., complete. -500 / 1000 KVA	1 No	3500.00
742	ELEC-7.13.7	Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -Upto 315 KVA	1 No	667.00
743	ELEC-7.13.8	Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -500 / 1000 KVA	1 No	933.00
744	ELEC-7.13.9	Replacing old and unserviceable gasket of H. T bushing for the following Transformer capacity. -Upto 315 KVA	1 No	267.00
745	ELEC-7.13.10	Replacing old and unserviceable gasket of H. T bushing for the following Transformer capacity. -500 / 1000 KVA	1 No	489.00
746	ELEC-7.13.11	Replacing old and unserviceable gasket of L.T bushing for the following transformer capacity. Upto 315 KVA	1 No	622.00
747	ELEC-7.13.12	Replacing old and unserviceable gasket of L.T bushing for the following transformer capacity. 500 / 1000 KVA	1 No	1289.00
748	ELEC-7.13.13	Replacement the H/T / L. T burntout winding coils of distribution transformer including rewinding, varnishing and vaccuming etc.,duly retaining the removed burnt winding coils by the Contractor / Firm- For copper coils	1 Kg	524.00
749	ELEC-7.13.14	Replacement the H/T / L. T burntout winding coils of distribution transformer including rewinding, varnishing and vaccuming etc.,duly retaining the removed burnt winding coils by the Contractor / Firm - For aluminium coils	1 Kg	347.00
750	ELEC-7.13.15	Insulating HT / LT copper / aluminium coils for Transformers.	1 No	267.00
751	ELEC-7.13.16	Painting with 2 coats Zinchromate red oxide duly scraping existing paint followed by 2 coats of hammerton grey paint etc., complete. -Upto 500 KVA	1 No	3000.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
752	ELEC-7.13.17	Painting with 2 coats Zinchromate red oxide duly scraping existing paint followed by 2 coats of hammerton grey paint etc., complete. - 630 / 1000 KVA	1 No	4000.00
753	ELEC-7.13.18	Replacing H.T bushing for distribution Transformer by new one.	1 No	311.00
754	ELEC-7.13.19	Replacing H.T bushing metal parts for distribution Transformer by new one.	1 No	338.00
755	ELEC-7.13.20	Replacing L.T bushing for distribution Transformer by new one.- Upto 315 KVA	1 No	147.00
756	ELEC-7.13.21	Replacing L.T bushing for distribution Transformer by new one for.- 500 / 1000 KVA	1 No	156.00
757	ELEC-7.13.22	Replacing L.T bushing metal parts for distribution Transformer by new one for. -100 KVA	1 No	267.00
758	ELEC-7.13.23	Replacing L.T bushing metal parts for distribution Transformer by new one for. -250 / 315 KVA	1 No	444.00
759	ELEC-7.13.24	Replacing L.T bushing metal parts for distribution Transformer by new one for. -500 KVA	1 No	1156.00
760	ELEC-7.13.25	Replacing L.T bushing metal parts for distribution Transformer by new one for. -1000 KVA	1 No	1778.00
761	ELEC-7.13.26	Drying the repaired transformer with appropriate heat / air. - Upto 315 KVA	1 No	3000.00
762	ELEC-7.13.27	Drying the repaired transformer with appropriate heat / air. - 500 / 1000KVA	1 No	4200.00
763	ELEC-7.13.28	Loading and Unloadng of transformer from site to Workshop or vice verse. -Upto 500 KVA	1 No	4500.00
764	ELEC-7.13.29	Loading and Unloadng of transformer from site to Workshop or vice verse. -630 / 1000 KVA	1 No	6800.00
765	ELEC-7.13.30	Transformer oil tested as per IS-335 - 1972 (per Ltr)	1 Ltr	120.00
766	ELEC-7.13.31	Filteration of transformer oil as per ISS specifications filters to die electric strength above 40 K. V at site. (per Ltr)	1 Ltr	8.00
767	ELEC-7.13.32	Filteration of transformer oil as per ISS specifications filters to die electric strength above 40 KV at workshop (per Ltr)	1 Ltr	5.00
768	ELEC-7.13.33	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.	1 KVAR	276.00
7.14		TRANSFORMERS		
769	ELEC-7.14.1	Supply 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 temperature 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 / Voltamp.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	

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
18. Taps on primary winding for primary voltage variation : +7.5% to - 7.5% in steps of 2.5%,
19. Terminal arrangement.
 - a. HV: Bare Busings / Cable end box
 - b. LV : Cable box
20. LV : One separate terminal for earthing.
20. No load losses (Watts):As per IS specification
21. Load losses (Watts):As per IS specification
22. Impedance(Z%) :As per IS specification

21. Fittings & Accessories.

- a. Rating and terminal marking plate
- b. Earthing terminals
- c. Lifting Lugs
- d. Conservator with drain plug.
- e. Oil level Indicator
- f. Dehydrating silicagel breather
- 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.

770 ELEC-7.14.2 Supply of 3 Phase, 50 Hz, Dry type, Indoor type copper wound transformer designed and manufactured as per IS 2026-1977 and IS 11171-1985, connected delta on primary side and Star on secondary side with additional neutral brought out on load side, 1100V / (433V / 415V) with HV tapping + or - 2.5% temperature rise by the resistance 90°C. complete with the following standard mountings.

Makes: Kirloskar / PETE / Esennar / Voltamp.

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	

1. Rated KVA :KVA (Cast Resin)
2. Service: Indoor
3. Mounting : Floor.
4. Copper wound : Double.
5. Type of cooling : ANAN.
6. Insulation Class : Class F
7. Temperature rise by resistance : 90°C
8. Vector Group: Dyn 11
9. Primary Connection : Delta
10. Primary Volts : 11000
11. Primry Frequency : 50
12. Primary Phases : 3
13. Primary wires: 3
14. Secondary connection : Star
15. Secondary Volts : 433V / 415V
16. Secondary phases : 3
17. Secondary wires: 4
18. Taps on primary winding for primary voltage variation : +5.0% to - 10.0% in steps of 2.5% through links.

19. Terminal arrangement.

- a. HV: Cable end box
- b. LV : Cable end box
20. No load losses (Watts): As per IS specifications
21. Load losses (Watts):As per IS specifications
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.

7.15 L.T. LINE MATERIALS AND LIGHTENING PROTECTIVE SYSTEM

771	ELEC-7.15.1	Supply and erecting approved make 11KV, 5KA metal oxide lightning arrestors suitable for 11 KV supply with necessary materials on existing cross arm.	1 No	1181.00
772	ELEC-7.15.2	Supply and erecting porcelain disc type insulator suitable for 11KV line with suitable hardware on existing cross arms.	1 No	472.00
773	ELEC-7.15.3	Supply and erecting porcelain pin type insulator suitable for 11KV line with suitable hardware on existing cross arms.	1 No	236.00
774	ELEC-7.15.4	Supply and erecting porcelain post type insulator suitable for 11KV line with suitable hardware on existing cross arms.	1 No	531.00
775	ELEC-7.15.5	Supply and erecting porcelain pin/shackle type insulator suitable for L. T.	1 No	71.00
776	ELEC-7.15.6	Approved made 11KV, 400A A.B switch with all standard accessories etc., complete with cost and conveyance of all materials.	1 No	5512.00
777	ELEC-7.15.7	Approved made 11KV, 200A A.B switch with all standard accessories etc., complete with cost and conveyance of all materials.	1 No	4803.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
778	ELEC-7.15.8	Approved made 11KV, 200A A.B switch (tilting) with all standard accessories etc., complete with cost and conveyance of all materials.	1 No	4646.00
779	ELEC-7.15.9	11KV, H.G fuse set including all standard accessories etc., complete with cost and conveyance of all materials.	1 No	3150.00
780	ELEC-7.15.10	Supply of 7/3.15 AAA C all Alluminium annealed conductor Rabbit.	1 Km	19695.00
781	ELEC-7.15.11	Supply of 7/2.50 AAA C all Alluminium annealed conductor Weasel.	1 Km	12113.00
782	ELEC-7.15.12	Supply of 9.1 Mtr PSCC Pole 280 Kg Working load.	1 No	2464.00
783	ELEC-7.15.13	Supply of 8.0 Mtr PSCC Pole 140 Kg Working load.	1 No	1311.00
784	ELEC-7.15.14	Supply of 175 x 85 mm / 150 x 75 mm RS Joist.	1 Kg	39.00
785	ELEC-7.15.15	Supply and installation of NIMBUS CPT-3/NLP 2200 / FOREND(ESE-EU) Advanced lighting protection with capturing head of 135 - 210mm diameter, 205 -580mm height and 4.60 - 4.940 kgs , and having Rod length 760mm, weight 1.795 kgs with stainless steel rod, working on the principle of (ESE) Early Streamer Emission technology, having a coverage radius of 79mts when mounted on 10 - 15 mts height of existing lattice tower giving level 1 protection and anticipation emission time of 60 micro seconds/72 micro seconds. The NIMBUS is manufactured according to standard NFC 17 102 and UNE 21186-96 including functional integrity etc Complete. Make : NIMBUS / FOREND / SCHIRTEC or equivalent	1 No	100787.00
786	ELEC-7.15.16	Installation and commissioning of NIMBUS / FOREND or equivalent advanced lighting protection systems which includes 1. Laying of CC Bed 2. Installation of Lighting Rod 3. Laying of Down conductor 4. Installation of Counter 5. Installation of Earth Electrodes 6. Interconnection between the Electrodes 7. Termination of down conductor to earth bus etc complete	1 No	24567.00
787	ELEC-7.15.17	Supply of electro-Mechanical counter Makes: CIRPROTEC / INDALAC / INGESCO / SCHIRTEC.	1 Pt	12598.00
788	ELEC-7.15.18	Providing earth electrode of low carbon steel rod of 17mm dia, coated with 250 microns thick copper 3mtr long with clamps and 2 bags of LORESCO ZEROLITE back fill compound etc complete with construction of brick masonry of size 300mm x 300mm chamber with cover for maintenance free earthing.	1 Pt	9055.00
789	ELEC-7.15.19	Supply of down conductor of 1x70sqmm single core PVC insulated unarmoured copper conductor cable of ISI mark. Makes : Polycab / Havells / RPG / RR Kabel / KEI.	1 Mtr	323.00
	8.1	NET WORKING		
790	ELEC-8.1.1	Supply of 2 Pair, 0.5mm telephone copper wire. Makes : Finolex / Delton / Surabi / Polycab	100 Mtrs	860.00
791	ELEC-8.1.2	Supply of 5 Pair telephone copper wire. Makes : Finolex / Delton / Surabi / Polycab	100 Mtrs	2383.00
792	ELEC-8.1.3	Supply of LAN Cable cat - 6 UTP cable. Makes : D Link / AMP / Molex / Legrand / Krone.	100 Mtrs	1957.00
793	ELEC-8.1.4	Supply of LAN Cable cat - 6 STP cable. Makes : D Link / AMP / Molex / Legrand / Krone.	100 Mtrs	3745.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
794	ELEC-8.1.5	Supply of Cat 6 RJ-45 information outlets including duel face plate. Makes : D Link / AMP / Molex / Legrand / Krone.	1 No	289.00
795	ELEC-8.1.6	Supply of 48 Port manageable switches Makes : CISCO / Net Gear / HP / D link.	1 No	13277.00
796	ELEC-8.1.7	Supply of 24 Port manageable switches Makes : CISCO / Net Gear / HP / D link.	1 No	5702.00
797	ELEC-8.1.8	Supply of 8 Port switches. Makes : CISCO / Net Gear / HP / D link.	1 No	1051.00
798	ELEC-8.1.9	Supply of access point. Makes : CISCO-WAP321 or its equivalent in Net Gear / HP / D link.	1 No	10638.00
799	ELEC-8.1.10	Supply of 7 feet length moulded patch cord. Makes : D Link / AMP / Molex / Legrand / Krone.	1 No	187.00
800	ELEC-8.1.11	Supply of 3 feet length moulded patch cord. Makes : D Link / AMP / Molex / Legrand / Krone.	1 No	170.00
801	ELEC-8.1.12	Supply of 24 port patch panels Makes : D Link / AMP / Molex / Legrand / Krone.	1 No	5532.00
802	ELEC-8.1.13	Supply of 100 pair MDF loaded with 2/10 Modular Makes : Krone make or its equivalent.	1 No	3132.00
803	ELEC-8.1.14	Supply of 100 Pair raiser cable for telephone Makes : Finolex / Delton / Surabi / Polycab.	1 Mtr	329.00
804	ELEC-8.1.15	Supply of 10 Pair telephone Copper wire. Makes : Finolex / Delton / Surabi / Polycab.	1 Mtr	34.00
805	ELEC-8.1.16	Supply of 20 Pair telephone Copper wire . Makes : Finolex / Delton / Surabi / Polycab.	1 Mtr	65.00
806	ELEC-8.1.17	Supply of 50 Pair telephone Copper wire . Makes : Finolex / Delton / Surabi / Polycab.	1 Mtr	166.00
807	ELEC-8.1.18	Supply of 10 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement.	1 No	553.00
808	ELEC-8.1.19	Supply of 20 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement.	1 No	843.00
809	ELEC-8.1.20	Supply of 50 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement.	1 No	1762.00
810	ELEC-8.1.21	Supply of 200 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement.	1 No	6723.00
811	ELEC-8.1.22	Supply of 6U floor / Wall mounting net work rack with power spike including all accessories. Makes : HCL / Vall.	1 No	4000.00
812	ELEC-8.1.23	Supply of 9U floor mounting net work rack with power spike including all accessories. Makes : HCL / Vall.	1 No	4749.00
813	ELEC-8.1.24	Supply of 12U floor mounting net work rack with power spike including all accessories. Makes : HCL / Vall.	1 No	5518.00
814	ELEC-8.1.25	Supply of 15U floor mounting net work rack with power spike including all accessories. Makes : HCL / Vall.	1 No	6254.00
815	ELEC-8.1.26	Supply of 17U floor mounting net work rack with power spike including all accessories. Makes : HCL / Vall.	1 No	8617.00
816	ELEC-8.1.27	Supply of 42U floor mounting net work rack with power spike including all accessories. Makes : HCL / Vall.	1 No	27234.00
817	ELEC-8.1.28	Supply of 6 Core (Indoor / Out door), Single mode armourd, Optic fibre cable.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : D Link / AMP / Molex / Legrand / Krone.	1 Mtr	64.00
818	ELEC-8.1.29	Supply of 12 Core (Indoor / Out door), Single mode armourd, Optic fibre cable.		
		Makes : D Link / AMP / Molex / Legrand / Krone.	1 Mtr	89.00
819	ELEC-8.1.30	Supply of 6 port fibre distribution unit. (FDU / LIU) loaded with couplers etc complete.		
		Makes : D Link / AMP / Molex / Legrand / Krone.	1 No	6383.00
820	ELEC-8.1.31	Supply of 12 port fibre distribution unit. (FDU / LIU) loaded with couplers etc complete.		
		Makes : D Link / AMP / Molex / Legrand / Krone.	1 No	8085.00
821	ELEC-8.1.32	Supply of Subscriber connector (SC) to SC / LC patch card of 1 Mtr length.		
		Makes : D Link / AMP / Molex / Legrand / Krone.	1 No	1702.00
822	ELEC-8.1.33	Supply of Pigtails for fibre core connectivity.		
		Makes : D Link / AMP / Molex / Legrand / Krone.	1 No	298.00
823	ELEC-8.1.34	Supply of Cat 6 RJ-45 information outlets including Single face plate.		
		Makes : D Link / AMP / Molex / Legrand / Krone.	1 No	213.00
		RACEWAYS AND JUNCTION BOXES		
824	ELEC-8.1.35	Supply of 100mm x 38mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	1 Mtr	391.00
825	ELEC-8.1.36	Supply of 150mm x 38mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	1 Mtr	515.00
826	ELEC-8.1.37	Supply of 300mm x 38mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	1 Mtr	881.00
827	ELEC-8.1.38	Supply of 100mm x 25mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	1 Mtr	370.00
828	ELEC-8.1.39	Supply of 150mm x 25mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	1 Mtr	477.00
829	ELEC-8.1.40	Supply of 300mm x 25mm G I Raceways of 2mm thick with top cover and required hard ware etc complete.	1 Mtr	860.00
830	ELEC-8.1.41	Supply of 172mm x 52mm G.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways.	1 No	289.00
831	ELEC-8.1.42	Supply of 222mm x 52mm G.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways.	1 No	366.00
832	ELEC-8.1.43	Supply of 372mm x 52mm G.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways.	1 No	706.00
	9.1	MISSILLANEOUS ITEMS		
833	ELEC-9.1.1	TW Seperators / Gutties	100 Nos	157.00
834	ELEC-9.1.2	Rawl Plugs	100 Nos	27.00
835	ELEC-9.1.3	U Nails	100 Nos	42.00
836	ELEC-9.1.4	Alluminium Link Clips	144 Nos	52.00
837	ELEC-9.1.5	50 mm G.I.Nut and Bolts.	1 Set	12.00
838	ELEC-9.1.6	63 to 100 mm G.I.Nut and Bolts.	1 Set	23.00
839	ELEC-9.1.7	50 mm 0 Gauge Nails	1 Doz	42.00
840	ELEC-9.1.8	63 to 100 mm 0 Gauge Nails	1 Doz	70.00
841	ELEC-9.1.9	Hard Coke	1 Kg	14.00
842	ELEC-9.1.10	Salt	1 Kg	10.00
843	ELEC-9.1.11	PVC Cleats 2 Way	100 Nos	314.00
844	ELEC-9.1.12	PVC Cleats 4 Way	100 Nos	419.00
845	ELEC-9.1.13	Binding Wire	1 Kg	58.00
846	ELEC-9.1.14	PVC / Cotton Insulation tape Role (10 Mtrs)	1 No	16.00
847	ELEC-9.1.15	C.I.Knob	1 No	24.00
848	ELEC-9.1.16	Stay tight set (Jum bracket 300 mm)	1 Pair	286.00
849	ELEC-9.1.17	Stay clamp with bolts and Nuts)	1 Set	190.00
850	ELEC-9.1.18	L.T.Guy insulator	1 No	71.00
851	ELEC-9.1.19	12 / 15 MS plain rod fan hook	1 No	29.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
852	ELEC-9.1.20	19 / 20 mm Steel tube fan down rod	1 Mtr	76.00
853	ELEC-9.1.21	Consealed box PVC / MS with hook for fan	1 No	95.00
854	ELEC-9.1.22	Coil Earthing	1 No	71.00
855	ELEC-9.1.23	Cable root Indicators	1 No	86.00
856	ELEC-9.1.24	40 mm x 40 mm x 6 mm angle iron with I bolt.	1 Set	222.00
857	ELEC-9.1.25	Mild Steel Items	1 Kg	54.00
858	ELEC-9.1.26	Acrylic Cover of size 4" x 7" for night lamps.	1 No	16.00
859	ELEC-9.1.27	TW / PVC Round Blocks	1 No	7.00
860	ELEC-9.1.28	G.I.Funnel with Mesh 1/2" x 4"	1 No	79.00
861	ELEC-9.1.29	Asbestos Sheet	1 Sqft	21.00
862	ELEC-9.1.30	First Aid box 18" x 12" x 8"	1 No	1048.00
863	ELEC-9.1.31	11 KV/22 KV Hand gloves	1 No	190.00
864	ELEC-9.1.32	Danger Notice Plates of size 250x200mm, shall comply with IS:2551-1982.	1 No	238.00
865	ELEC-9.1.33	Shock instruction chart in English / Hindi / Telugu duly framed with front glass.	1 No	476.00
866	ELEC-9.1.34	Copper plate / Copper strip (Per K.G)	1 Kg	538.00
867	ELEC-9.1.35	No. 8/10 SWG copper wire (per K.G)	1 Kg	538.00
868	ELEC-9.1.36	PVC Insulated copper winding wire of fine quality (per K. G)	1 Kg	645.00
869	ELEC-9.1.37	No. 14 SWG copper wire (per K. G)	1 Kg	538.00
870	ELEC-9.1.38	Copper winding wire (per K. G)	1 Kg	623.00
871	ELEC-9.1.39	G.I. Strip / Plate / Wire (per K. G)	1 Kg	60.00
872	ELEC-9.1.40	Alluminum Bus bars/Strips/accessories	1 Kg	208.00
873	ELEC-9.1.41	Alluminum winding wire	1 Kg	286.00
874	ELEC-9.1.42	6.2 Volt series bulb (25 Nos.)	25 Nos	81.00
875	ELEC-9.1.43	6.2 Volt series bulb with navar plate(25 Nos.)	25 Nos	86.00
876	ELEC-9.1.44	Supply of Rotating machine	1 No	14667.00
877	ELEC-9.1.45	Supply and fixing of 6mm thick MS Chekered plate.	1 Kg	60.00
878	ELEC-9.1.46	Supply and fixing of 6mm thick Alluminium Chekered plate.	1 Kg	236.00
879	ELEC-9.1.47	Copper old winding Wire scrap for 1 Kg	1 Kg	147.00
880	ELEC-9.1.48	Cement	1 Kg	7.00
881	ELEC-9.1.49	Hylam Sheet	1 sq.in	1.00
882	ELEC-9.1.50	Earth work excacvation including all soils for trench, Pole Pit and Earth Pit.	1 Cum	220.00
883	ELEC-9.1.51	Cost of Sand	1 Cum	594.00
884	ELEC-9.1.52	Cost of Bricks	1000 Nos	3819.00
885	ELEC-9.1.53	25mm Nominal Bore light grade G.I.Pipe	1 Mtr	201.00
886	ELEC-9.1.54	25mm Nominal Bore Medium grade G.I.Pipe	1 Mtr	215.00
887	ELEC-9.1.55	40mm Nominal Bore light grade G.I.Pipe	1 Mtr	316.00
888	ELEC-9.1.56	40mm Nominal Bore Medium grade G.I.Pipe	1 Mtr	339.00
889	ELEC-9.1.57	Drilling of 16 Nos through holes of 12mm dia to G.I pipe	1 No	5.00
890	ELEC-9.1.58	G.I Nuts, Bolts an Washers each set	1 Set	10.00
891	ELEC-9.1.59	18" dia 2" thick hume pipe ring	1 No	220.00
892	ELEC-9.1.60	18" dia 3" hume pipe ring	1 No	275.00
893	ELEC-9.1.61	2" thick CC cover for hume pipe ring with handle.	1 No	121.00
894	ELEC-9.1.62	Supply of Saddle / Clamps suitable for fixing 2 Core 4 to 10 Sqmm Cable.	100 Nos	221.00
895	ELEC-9.1.63	Supply of Saddle / Clamps suitable for fixing 4 Core 4 & 6 Sqmm Cable.	100 Nos	221.00
896	ELEC-9.1.64	Supply of Saddle / Clamps suitable for fixing 4 Core 10 & 16 Sqmm Cable.	100 Nos	279.00
897	ELEC-9.1.65	Supply of Saddle / Clamps suitable for fixing 3.5 Core 25 & 35 Sqmm Cable.	100 Nos	340.00
898	ELEC-9.1.66	Supply of Saddle / Clamps suitable for fixing 3.5 Core 50 Sqmm Cable.	100 Nos	484.00
899	ELEC-9.1.67	Supply of Saddle / Clamps suitable for fixing 3.5 Core 70 & 95 Sqmm Cable.	100 Nos	538.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
900	ELEC-9.1.68	Supply of Saddle / Clamps suitable for fixing 3.5 Core 120 to 185 Sqmm Cable.	100 Nos	645.00
901	ELEC-9.1.69	Supply of Saddle / Clamps suitable for fixing 3.5 Core 240 & 300 Sqmm Cable.	100 Nos	807.00
902	ELEC-9.1.70	Supply of Saddle / Clamps suitable for fixing 3.5 Core 400 Sqmm Cable.	100 Nos	1076.00
903	ELEC-9.1.71	Supply and fixing of Anchor fastner with fan hook / Providing MS Fan hook with grouting and cement	1 No	78.00
904	ELEC-9.1.72	Supply and fixing of PVC synthetic elastomer electrically insulated mat with class A insulation conforming to IS: 15652-2006 having 2mm thickness upto 3.3KV	1 Sqmtr	3733.00
905	ELEC-9.1.73	Supply and fixing of PVC synthetic elastomer electrically insulated mat with Class B insulation conforming to IS: 15652-2006 having 2.5mm thickness upto 11KV	1 Sqmtr	3733.00
906	ELEC-9.1.74	Supply and fixing of PVC synthetic elastomer electrically insulated mat with ClassC insulation conforming to IS: 15652-2006 having 3mm thickness upto 33KV	1 Sqmtr	3733.00
907	ELEC-9.1.75	Supply of round bottom G.I sheet bucket of 9 Ltrs. Capacity as per IS:2546 made out of 24 gauge GI sheet with extra handle at bottom duly painted inside and red out side with printed with FIRE Mark for stand and hook and filled with sand and arranged to existing stand or hook. (MR)	1 No	267.00
908	ELEC-9.1.76	Providing floor mounting stand for keeping 4No of fire bucket 1500mm length, 900mm height made out of 40x40x6mm angle iron welded with 4 hooks and duly painted with one coat of red lead and two coats of enamel paint.	1 No	1067.00
	10.1	WIRELESS FIRE ALARAM SYSTEM		
909	ELEC-10.1.1	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	1 No	31496.00
910	ELEC-10.1.2	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	1 No	7402.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
911	ELEC-10.1.3	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	1 No	10394.00
912	ELEC-10.1.4	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	1 No	5118.00
	10.2	ADDRESSABLE - FIRE ALARM SYSTEM		
913	ELEC-10.2.1	Supply, Installation, testing and commissioning of wall mounting 10 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 10 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.		
		Makes: Notifier / Edwards	1 No	488189.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	456693.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
914	ELEC-10.2.2	Supply, Installation, testing and commissioning of wall mounting 8 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash EPROM, 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 being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 8 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.		
		Makes: Notifier / Edwards	1 No	354331.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	322835.00
915	ELEC-10.2.3	Supply, Installation, testing and commissioning of wall mounting 6 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash EPROM, 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 being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 6 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.		
		Makes: Notifier / Edwards	1 No	326772.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	291339.00
916	ELEC-10.2.4	Supply, Installation, testing and commissioning of wall mounting 4 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash EPROM, 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 being 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	1 No	220472.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	196850.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
917	ELEC-10.2.5	Supply, Installation, testing and commissioning of wall mounting 2 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 2 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.		
		Makes: Notifier / Edwards	1 No	185039.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	165354.00
918	ELEC-10.2.6	Supply, Installation, testing and commissioning of wall mounting 1 loop micro processor based analog addressable fire control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 1 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications.		
		Makes: Notifier / Edwards	1 No	157480.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	149606.00
919	ELEC-10.2.7	Supply, Installation, testing and commissioning of intellegent analogue addressable Repeater panel including the cost of mounting accessories complete as per specification as required.		
		Makes: Notifier / Edwards	1 No	93504.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	78740.00
920	ELEC-10.2.8	Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required including testing and commissioning.		
		Makes: Notifier / Edwards	1 No	4543.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	3701.00
921	ELEC-10.2.9	Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alaram including the cost of mounting accessories etc. complete.		
		Makes: Notifier / Edwards	1 No	4646.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	4173.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
922	ELEC-10.2.10	Supply and installation of intelligent analogue addressable photo electric smoke detector including cost of base plate etc., complete as per specification with required fittings and accessories. Makes: Notifier / Edwards	1 No	4567.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	4016.00
923	ELEC-10.2.11	Supply and installation of intelligent analogue addressable 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: Notifier / Edwards	1 No	3983.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	3591.00
924	ELEC-10.2.12	Supply and installation of intelligent analogue addressable multi criterion detectors below false ceiling/on ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required. Makes: Notifier / Edwards	1 No	4862.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	4376.00
925	ELEC-10.2.13	Supply and Installation of Intelligent analogue addressable Control Modules including the cost of mounting accessories complete as per specifications and as required. Makes: Notifier / Edwards	1 No	4114.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	3665.00
926	ELEC-10.2.14	Supply and Installation of Intelligent analogue addressable monitor modules including the cost of mounting accessories complete as per specifications and as required. Makes: Notifier / Edwards	1 No	4114.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	3665.00
927	ELEC-10.2.15	Supply and Installation of Intelligent analogue addressable fault isolator modules including the cost of mounting accessories complete as per specifications and complete as required. Makes: Notifier / Edwards	1 No	3366.00
		Makes: Siemens / Morley / Bosch / Ravel	1 No	2992.00
	10.3	CONVENTIONAL - FIRE ALARM SYSTEM		
928	ELEC-10.3.1	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	1 No	5906.00
929	ELEC-10.3.2	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	1 No	7795.00
930	ELEC-10.3.3	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 6 zone, 12V SMF batteries etc., complete with all standard accessories. Makes: System Censor / Ravel / Pinnacle	1 No	10827.00
931	ELEC-10.3.4	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.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes: System Censor / Ravel / Pinnacle	1 No	12559.00
932	ELEC-10.3.5	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 10 zone, 12V SMF batteries etc., complete with all standard accessories.		
		Makes: System Censor / Ravel / Pinnacle	1 No	16024.00
933	ELEC-10.3.6	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 12 zone, 12V SMF batteries etc., complete with all standard accessories.		
		Makes: System Censor / Ravel / Pinnacle	1 No	17756.00
934	ELEC-10.3.7	Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 14 zone, 12V SMF batteries etc., complete with all standard accessories.		
		Makes: System Censor / Ravel / Pinnacle	1 No	21654.00
935	ELEC-10.3.8	Supply and installation of Repeater panel including the cost of mounting accessories complete as per specifications and as required.		
		Makes: System Censor / Ravel / Pinnacle	1 No	10827.00
936	ELEC-10.3.9	Supply and installation of dual tone electronic hooter of 85dB including the cost of mounting accessories complete as per specifications and as required.	1 No	531.00
937	ELEC-10.3.10	Supply and installation of dust and vermin proof manual call point to initiate audio visual alarm including the cost of mounting accessories complete as per specifications and as required.	1 No	512.00
938	ELEC-10.3.11	Supply and installation of response indicators for above false ceiling detectors.	1 No	118.00
939	ELEC-10.3.12	Supply and installation of plug - in type multi criterion detectors including the cost of base plate. 75mm dia M.S. outlet box for fixing of the detector base. Mounting accessories etc., complete as per specifications as required.		
		Makes: System Censor / Ravel / Pinnacle	1 No	1417.00
940	ELEC-10.3.13	Supply and installation of plug -in type photo electric smoke detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base. Mounting accessories etc complete and as per specifications and as required.		
		Makes: System Censor / Ravel / Pinnacle	1 No	1181.00
941	ELEC-10.3.14	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	1 No	1142.00
	10.4	POWDER BASED FIRE EXTINGUISHERS		
942	ELEC-10.4.1	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	1 No	7228.00
		Makes : Safex / Kenex / Bharat / Reliance	1 No	4646.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
943	ELEC-10.4.2	Supply and fixing of ABC Powder MAP 4 Kg Fire extinguisher Mono ammonium phosphate power 90, stored pressure type, IS 15683 : 2006, pressure gauge gross wt. 6.9 kg, empty wt.2.9 kg, can Ht.440mm, Diameter 140mm, Discharge time less than 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fires, A- rating 3A, B-rating 34B, can construction: Deep drawn Co2 mig welding, wall construction: Forging & Machining, internal coating of can: Epoxy power coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leakage detection tested, ISI & CE approved with 5 years warranty (Cease Fire / Minimax make) Including transportation, all taxes and all labour charges etc complete.		
		Makes : Cease Fire / Minimax	1 No	5016.00
		Makes : Safex / Kenex / Bharat / Reliance	1 No	3228.00
944	ELEC-10.4.3	Supply and fixing of ABC Powder MAP 2 Kg Fire extinguisher Mono ammonium phosphate power 90, stored pressure type, IS 15683 : 2006, pressure gauge gross wt. 3.6 kg, empty wt.1.6 kg, can Ht.344mm, Diameter 108mm, Discharge time less than 8 sec, controllable discharge mechanism, range min. 2 mts applicable on classes A,B, C electrically started fires, A- rating 2A, B-rating 21B, can construction: Deep drawn Co2 mig welding, wall construction: Forging & Machining, internal coating of can: Epoxy power coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leakage detection tested, insta - alert, ISI & CE approved with 5 years warranty (Cease Fire / Minimax make) Including transportation, all taxes and all labour charges etc complete.		
		Makes : Cease Fire / Minimax	1 No	3543.00
		Makes : Safex / Kenex / Bharat / Reliance	1 No	2283.00
945	ELEC-10.4.4	Supply and fixing of Ceiling Mounted ABC MAP 90, 5 Kg stored pressure type, pressure gauge, Gross Wt.7.7 kg, Empty Wt.2.7 kg, Can Ht264mm , Dia 240mm, Discharge time : less than 8 sec, IS 15683 : 2006 Auto discharge mechanism on temperature rise, Applicable on A,B,C, & Electrically - started fires, Can Construction: Forging & Machining, Internal coating of Can: Epoxy Power coating, External Coating of Can: Epoxy Polyester powder coating, sheet metal thickness:1.60mm , Helium leakage detection tested, ISI approved with 5 years warranty (Cease Fire / Minimax make) Including transportation, all taxes and all labour charges etc complete.		
		Makes : Cease Fire / Minimax	1 No	5669.00
		Makes : Safex / Kenex / Bharat / Reliance	1 No	4409.00
10.5		CLEAN AGENT FIRE EXTINGUISHERS		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
946	ELEC-10.5.1	Supply and fixing of 2 Kg Fire extinguisher Clean Agent HCFC 123, Stored pressure type, IS 15683 : 2006 pressure gauge, gross weight 3.7Kg empty weight 1.7 Kg, can weight 344mm, Diameter 108mm, 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, ISI & CE approved, 5 Years warranty.		
		Makes : Cease Fire / Minimax	1 No	10205.00
		Makes : Safex / Kenex / Bharat.	1 No	8661.00
947	ELEC-10.5.2	Supply and fixing of 4 Kg Fire extinguisher Clean Agent HCFC 123, Stored pressure type, IS 15683 : 2006, pressure gauge, gross weight 6.9Kg empty weight 2.9 Kg, can height 440mm, Diameter 140mm, 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, ISI & CE approved 5 Years warranty.		
		Makes : Cease Fire / Minimax	1 No	18496.00
		Makes : Safex / Kenex / Bharat.	1 No	16535.00
948	ELEC-10.5.3	Supply & Fixing of 4.5Kg, CO2 Type Fire Extinguisher, Trolley Mounted, Easy Weight Management, Used Unused Mechanism, Squeeze Grip, Gross Weight 19.1 Kg, Empty Weight 14.6 Kg, Can Height 860MM, Diameter 140MM, Discharge time minimum 13 Secs, Controllable discharge mechanism, Range minimum 2 Meters, Applicable on Class B,C & electrically started Fire, B Rating 13B, Can Construction : Hot Spinning / Forging, Valve Construction : Forging & Machining, Internal Coating of Can : Not Applicable, External Coating of Can : Spray Painting, Sheet metal thickness : 4.5MM, ISI & CE Approved, 2 Year Warranty Including transportation, all taxes and all labour charges etc complete.		
		Makes : Cease Fire / Minimax	1 No	8583.00
		Makes : Safex / Kenex / Bharat / Reliance	1 No	6457.00
949	ELEC-10.5.4	Supply and fixing of Escape signage boards in Rigid Photo luminescent based glow in Dark rigid sheet with high intensity luminous properties with specification of Cease Fire or its equivalent make Model-1ES01	1 No	1024.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
950	ELEC-10.5.5	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(acrlonein), hydrogen chloride, hydrogen Cyanide and Solid and liquid toxic particles to manageable level for atleast 15 minutes shall with stand tempeartures upto 80 degrees single use only Fire Blanket size 1.2m x1.8m used to cover any vessel containing used to Extinguish a clothing fire wrap blanket around the victim.	1 No	11819.00
951	ELEC-10.5.6	Supply and fixing of 4Nos of 9 Ltrs capacity round bottom bucket with sand, duly painted with enamel white inside & red out side and letter FIRE with black colour.	1 Set	945.00
952	ELEC-10.5.7	Supply anmd fixing of Fire bucket stand fabricated by M.S. angles to install for two numbers of buckets as per local fire officers standards.	1 Set	787.00
10.6 WATER MIST FIRE EXTINGUISHERS				
953	ELEC-10.6.1	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 AEROSOL GENERATION SYSTEM (AGS) AND FIRE EXTINGUISHERS	1 No	144252.00
954	ELEC-10.6.2	Supply, installation, testing and commissioning of Addressable Control panel for AGS system 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.	1 No	36654.00
		Makes : SALAMANDRA / SEAARA / AGS		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
955	ELEC-10.6.3	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. 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	1 No	1870.00
956	ELEC-10.6.4	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	1 No	2169.00
957	ELEC-10.6.5	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	1 No	2469.00
958	ELEC-10.6.6	Supply and installation of manually operated suppression system using Aerosol Generator System for all classes of fire with active substance of 3.3. Kg and does cooling effect with no re-ignition. The product with minimum life of 15 years and no maintenance. 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 shall be confirmed to NFPA 2010 and has other national and international certificates.	1 No	55728.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
959	ELEC-10.6.7	Supply of Auto Detection and Suppression System using Aerosol Generator System with required fittings 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 product Min Life shall be 15 years and no Maintenance. The Discharge time should be 78 sec. The Generator with a net weight of 10 kg Active Substance of 3.25 kg. and has diameter 220mm and height 220mm The Generator is suitable for Server Room, Electrical Storage and technical appliances, important documents area & etc.	1 No	89764.00
		Makes : SALAMANDRA / SEAARA / AGS		
960	ELEC-10.6.8	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 product Min Life shall be 15 years and no Maintenance. The Discharge time should be 21 sec. The Generator has a net weight of 1.2 kg. Active Substance of 0.3 kg and has diameter 20mm and height 135mm. The Generator is suitable for Server Room, Electrical Storage and technical appliances, important documents area & etc.	1 No	29921.00
		Makes : SALAMANDRA / SEAARA / AGS		
961	ELEC-10.6.9	Supply of Auto Detection and Suppression System using Aerosol Generator System as per standard composition with required fittings 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 product Min Life shall be 15 years and no Maintenance. The Discharge time should be 50 sec. The Generator has a net weight of 4.5 kg. Active Substance of 1.4 kg and has diameter 40mm and height 187mm. The Generator is suitable for Server Room, Electrical Storage and technical appliances, important documents area & etc.		52736.00
		Makes : SALAMANDRA / SEAARA / AGS		
962	ELEC-10.6.10	Supply of Aerosol Heat Starter Sprinkler used for Auto Detection and Suppression System for Aerosol Generator 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 Starter Sprinkler is suitable for Server Room, Electrical Storage and technical appliances, Important documents area etc.	1 No	6358.00
		Makes : SALAMANDRA / SEAARA / AGS		
		10.7 FIRE HYDRANT AND SPRINKLER SYSTEM		
963	ELEC-10.7.1	Supplying, installation, testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following complete in all respect as required	1 Set	318920.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		<p>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</p> <p>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</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar</p>		
964	ELEC-10.7.2	<p>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</p> <p>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</p> <p>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</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar</p>	1 Set	351350.00
965	ELEC-10.7.3	<p>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.</p> <p>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</p> <p>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</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p>	1 Set	402160.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	

Makes of Pumps: Kirloskar / Mather&Platt.

Makes of Motors: Siemens/ ABB/ Kirloskar

966 ELEC-10.7.4 Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required 1 Set 421620.00

a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 1620 lpm at 56 Mtr head conforming to IS 1520

b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick alluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.

c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.

d) Suitable cement concrete foundation duly plastered with anti vibration pads.

Makes of Engines : Kirloskar / Cummins.

Makes of Pumps : Kirloskar / Mather&Platt

967 ELEC-10.7.5 Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required 1 Set 610810.00

a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 2280 lpm at 70 Mtr head conforming to IS 1520

b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick alluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.

c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.

d) Suitable cement concrete foundation duly plastered with anti vibration pads.

Makes of Engines : Kirloskar / Cummins.

Makes of Pumps : Kirloskar / Mather&Platt

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
968	ELEC-10.7.6	<p>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</p> <p>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</p> <p>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.</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt</p>	1 Set	686490.00
969	ELEC-10.7.7	<p>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</p> <p>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</p> <p>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.</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar</p>	1 Set	242120.00
970	ELEC-10.7.8	<p>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</p> <p>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</p>	1 Set	501125.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		<p>b) Liquid cooled, 85 BHP at 1800 rpm, diesel engine (Radiator cooled) 12 Volts starting system with standard accessories</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt</p>		
971	ELEC-10.7.9	<p>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</p> <p>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</p> <p>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</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar</p>	1 Set	197070.00
972	ELEC-10.7.10	<p>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</p> <p>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</p> <p>b) Liquid cooled, 68 BHP at 1800 rpm, Diesel engine (Radiator cooled) 12 Volts starting system with standard accessories</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt</p>	1 Set	399775.00
973	ELEC-10.7.11	<p>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</p> <p>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</p>	1 Set	145270.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		<p>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.</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar</p>		
974	ELEC-10.7.12	<p>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</p> <p>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</p> <p>b) Liquid cooled, 50 BHP at 1800 rpm, Diesel engine (Radiator cooled) 12 Volts starting system with standard accessories</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt</p>	1 Set	349100.00
975	ELEC-10.7.13	<p>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</p> <p>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</p> <p>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</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar</p>	1 Set	49550.00
976	ELEC-10.7.14	<p>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</p>	1 Set	70140.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		<p>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</p> <p>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</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar</p>		
977	ELEC-10.7.15	<p>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.</p> <p>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</p> <p>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</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens / ABB / Kirloskar</p>	1 Set	56260.00
978	ELEC-10.7.16	<p>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.</p> <p>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</p> <p>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</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes : Kirloskar</p>	1 Set	43600.00
979	ELEC-10.7.17	<p>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.</p>	1 Set	41660.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		<p>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</p> <p>b) Three Phase High Speed Centrifugal Pump. Pump with CI Impeller and Gland Packing with 7.5 KW / 10 HP, 2 pole, TEFC, 415 V, 3ph motor</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes : Kirloskar</p>		
980	ELEC-10.7.18	Supplying , installation , testing and commissioning of electric driven Terrace / Mono Bloc Booster pump suitable for automatic operation and consisting of following : complete in all respect as required.	1 Set	38325.00
		<p>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</p> <p>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</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>Makes : Kirloskar</p>		
981	ELEC-10.7.19	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		
		(a) 250 mm dia	1 Mtr	2760.00
		(b) 200 mm dia 'C' Class	1 Mtr	2730.00
		(c) 200 mm dia 'B' Class	1 Mtr	2380.00
		(d) 150 mm dia 'C' Class	1 Mtr	2040.00
		(e) 150 mm dia 'B' Class	1 Mtr	1640.00
		(f) 100 mm dia 'C' Class	1 Mtr	1290.00
		(g) 100 mm dia 'B' Class	1 Mtr	1085.00
		(h) 80 mm dia 'C' Class	1 Mtr	850.00
		(i) 80 mm dia 'B' Class	1 Mtr	760.00
		(j) 65 mm dia 'C' Class	1 Mtr	640.00
		(k) 65 mm dia 'B' Class	1 Mtr	575.00
		(l) 50 mm dia 'C' Class	1 Mtr	510.00
		(m) 50 mm dia 'B' Class	1 Mtr	450.00
		(n) 40 mm dia	1 Mtr	435.00
		(o) 32 mm dia 'C' Class	1 Mtr	340.00
		(p) 32 mm dia 'B' Class	1 Mtr	280.00
		(q) 25 mm dia 'C' Class	1 Mtr	255.00
		(r) 25 mm dia 'B' Class	1 Mtr	230.00
982	ELEC-10.7.20	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.	1 No	6915.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Make: Mini Max / Safex / Newage / Winco / Padmini.		
983	ELEC-10.7.21	Supplying, fixing, testing and commissioning of butterfly valve PN 1.6, with Bronze / Gun metal seat duly ISI marked complete with Nuts, Bolts, Washers, gaskets, conforming to IS 13095 of following sizes as required.		
		Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / Intervolve.		
		(a) 250 mm . dia	1 No	10660.00
		(b) 200 mm . dia	1 No	4510.00
		(c) 150 mm dia	1 No	3700.00
		(d) 100 mm dia	1 No	2895.00
		(e) 80 mm dia	1 No	2640.00
984	ELEC-10.7.21	Providing, installation, testing and commissioning of dual plate non - return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc as required		
		Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / Intervolve.		
		(a) 200 mm dia	1 No	4255.00
		(b) 150 mm dia	1 No	3405.00
		(c) 100 mm dia	1 No	3170.00
		(d) 80 mm dia	1 No	2980.00
		(e) 50 mm dia	1 No	1465.00
985	ELEC-10.7.22	Manufacture, Supply and delivery of CI Wafer Lug type Butterfly Valves conforming to IS 13095/1991 (Reaffirmed 1998) excluding transportation, CED and taxes etc., complete. Operation done with worm actuator ISI marked Rate at Ex-Factory		
		Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / Intervolve.		
		(a) 250 mm . dia	1 No	14470.00
		(b) 200 mm . dia	1 No	10080.00
		(c) 150 mm dia	1 No	6495.00
		(d) 100 mm dia	1 No	4330.00
		(e) 80 mm dia	1 No	3245.00
		(f) 50 mm dia	1 No	2610.00
986	ELEC-10.7.23	Providing, installation, testing and commissioning of gun metal valves of following sizes as required.		
		Make: Newage / Winco / Padmini / Safex.		
		(a) 50 mm dia	1 No	1490.00
		(b) 40 mm dia	1 No	1190.00
		(c) 32 mm dia	1 No	1060.00
987	ELEC-10.7.24	Supplying and fixing 63mm dia, 15 mtr long RRL hose pipe with 63mm dia Male and Female Gun metal / SS couplings duly binded with GI wire, rivets etc conforming to IS 636 (Type -A) as required.		
		Make: Mini Max / Safex / Newage / Winco / Padmini.	1 No	5225.00
988	ELEC-10.7.25	Supplying and fixing 63mm dia, 15 mtr long CP hose pipe with 63mm dia Male and Female Gun metal / SS couplings duly binded with GI wire, rivets etc conforming to IS 636 (Type -A) as required.		
		Make: Mini Max / Safex / Newage / Winco / Padmini.	1 No	4690.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
989	ELEC-10.7.26	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. a) 36.6 Mtr Long 20mm (Nominal internal) dia water hose Thermoplastic / Textile reinforced / Rubber braided / Polypropylene Type - 2 as per IS:12585 Make: Eversafe/ Reliance/ Newage/ SRI b) 20mm (Nominal internal) dia gun metal globe valve and nozzle. Make: Newage / Winco / Padmini / Safex. c) Drum and brackets for fixing the equipments on wall. d) Connections from riser with 25mm dia stop valve (gun metal) & MS pipe.	1 No	6380.00
990	ELEC-10.7.27	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. Make: Mini Max / Safex / Newage / Winco / Padmini.	1 No	2765.00
991	ELEC-10.7.28	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. Make: Mini Max / Safex / Newage / Winco / Padmini.	1 No	2155.00
992	ELEC-10.7.29	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. Make: Mini Max / Safex / Newage / Winco / Padmini.	1 No	7745.00
993	ELEC-10.7.30	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. Make: Mini Max / Safex / Newage / Winco / Padmini.	1 No	5870.00
994	ELEC-10.7.31	Supply and fixing air vessel made of 250 mm dia, 8 mm thick MS sheet, 1200mm in height with air release valve on top and flanged connection to riser, drain arrangement with 25mm dia Gun metal wheel valve, with required accessories, pressure gauge and painting with synthetic enamel paint of approved shade as required.	1 No	13620.00
995	ELEC-10.7.32	Supply, fixing, testing and commissioning of 15mm size quartzoid bulb type sprinklers of rating 68°C. pendent / side wall with required accessories. Makes: SAFEX / HD / TYCO / VIKING / NEWAGE / SHARP	1 No	415.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
996	ELEC-10.7.33	Supply, fixing, testing and commissioning of UL approved flexible dropper of 1.5 Mtrs length with required accessories.		
		Makes: SAFEX / HD / TYCO / VIKING / NEWAGE / SHARP	1 No	1020.00
997	ELEC-10.7.34	Supply and fixing of Pressure Switch in the MS pipe Line including connection etc as required.		
		Make : Danfoss / Indfoss / Approved makes	1 No	2130.00
998	ELEC-10.7.35	Supply and fixing Flow Switches in 100mm dia MS pipe.		
		Makes : System Sensor / Switzer / Approved makes	1 No	4575.00
999	ELEC-10.7.36	Supply and fixing Flow Switches in 150 mm dia MS pipe.		
		Makes : System Sensor / Switzer / Approved makes	1 No	6380.00
1000	ELEC-10.7.37	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/cm ² .		
		MAKE: HGURU / FIEBIG and Approved makes	1 No	575.00
1001	ELEC-10.7.38	Supply, installation, testing and commissioning of 25mm dia Gate valve		
		Makes : Zoloto / Leader / Approved makes	1 No	1000.00
1002	ELEC-10.7.39	Supply, installation, testing and commissioning of 25mm dia Ball valve		
		Makes : Zoloto / Leader / Approved makes	1 No	555.00
1003	ELEC-10.7.40	Supply, installation, testing and commissioning of 25 / 20mm dia Air Release Valve	1 No	1065.00
1004	ELEC-10.7.41	Supply, installation, testing and commissioning of Flexible Sprinkler hose of size 750mm to 800mm	1 No	850.00
1005	ELEC-10.7.42	Supply, installation, testing and commissioning of Flexible Sprinkler hose of size 1000mm to 1200mm	1 No	1020.00
1006	ELEC-10.7.43	Supply, installation, testing and commissioning of Flexible Sprinkler hose of size 1.50 Mtr	1 No	1190.00
1007	ELEC-10.7.44	Providing, fixing, testing, commissioning of installation control valve of Cast iron body and brass / Bronze working parts comprising of water, motor alarm, bronze seat clapper, and clapper arm, hydraulically driven mechanical gong bell to sound continuous alarm when the Wet riser / Sprinkler system activates, pressure gauges, emergency releases, strainer, pressure switch, cock valve complete with drain valve and bypass , test control box, ball valves, Ms pipe of required size, flanges, orifice plate, gasket etc of size 150mm dia as required.	1 No	8085.00
		Makes : HD / TYCO / NEWAGE		
1008	ELEC-10.7.45	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		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		a) 200mm nominal dia	1 Ea	21100.00
		b) 150mm nominal dia	1 Ea	11300.00
		c) 100mm nominal dia	1 Ea	6340.00
		d) 80mm nominal dia	1 Ea	4340.00
1009	ELEC-10.7.46	Supply and laying of 300mm dia NP2 RCC Hume pipe with Collars for Road crossings	AS per Civil SSR	
1010	ELEC-10.7.47	Supplying and wrapping the anticorrosive material for buried pipes with coating of Primer and wrapping with 4 mm thick polymer corrosion resistant tape as per IS : 10221 with 15 mm overlap as per specifications.		
		a) 150mm nominal dia	1 Mtr	38.00
		b) 100mm nominal dia	1 Mtr	34.00
		c) 80mm nominal dia	1 Mtr	26.00
1011	ELEC-10.7.48	Supply, fabricating , installing structural steel supports for fixing all sizes of MS pipes from ceiling / wall with MS Channels, Angles, Flats, Rods, as required at site with anchor fasteners, Clamps, threaded rods, nuts, bolts, washers etc complete with painting.	1 Kg	51.00
1012	ELEC-10.7.49	Supply of 3 Core x 1.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete. Makes: Universal / Polycab / Finolex / Havells / RR Kabel.	1 Mtr	81.00
1013	ELEC-10.7.50	Supply of 3 Core x 2.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete. Makes: Universal / Polycab / Finolex / Havells / RR Kabel.	1 Mtr	106.00
1014	ELEC-10.7.51	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 / Polycab / Finolex / Havells / RR Kabel.	1 Mtr	102.00
1015	ELEC-10.7.52	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 / Polycab / Finolex / Havells / RR Kabel.	1 Mtr	140.00
1016	ELEC-10.7.53	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 / Polycab / Finolex / Havells / RR Kabel.	1 Mtr	235.00
1017	ELEC-10.7.54	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 / Polycab / Finolex / Havells / RR Kabel.	1 Mtr	200.00

11.1 GENERATORS SPECIFICATION

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	

1018 ELEC-11.1.1 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.

A. Alternator : Kirloskar / Stamford / Crompton Greaves / Leroy Somer make. The alternator of the output rating shall be 3 Phase, 415V, 50Hz, Ac , 0.8 P.F. lagging at 1500 RPM. The alternator is self excited, self regulated, and shall confirm to IS: 13364 of 1992 with regulation of +5% from no load to full load. degree of protections shall be IP23.

B.Diesel Engine : Kirloskar / Cummins / Mahindra & Mahindra Diesel Engine start, developing suitable -----
- BHP output at 1500 RPM with mechanical / electronic governing so as to enable the alternator to give - - - -KVA continuous output at 0.8 P.F. lagging at NTP conditions. The diesel engine shall be capable of providing 10% O/L for 1 Hr for every 11 Hrs of continuous running at full load. The engine with 1st filling of oil and Diesel etc.
01. Exhaust pipe of required size and length with insulation or clading.
02. Diesel tank suitable for 8 to 12 Hours running capacity.
03. Residential Silencer.
04. SMF Batteries with leads as per the Manufacturer standards

1019 ELEC-11.1.2 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 AMF panel having IP-52 protection, Acoustic Enclosure as per CPCB norms , sound absorbing material, to restrict sound level up to 75 dB up to 1 mtr distance and as per CPCB norms etc as per following specifications mentioned below.

A. Alternator : Kirloskar / Stamford / Crompton Greaves / Leroy Somer make. The alternator of the output rating shall be 3 Phase, 415V, 50Hz, Ac , 0.8 P.F. lagging at 1500 RPM. The alternator is self excited, self regulated, and shall confirm to IS: 13364 of 1992 with regulation of +5% from no load to full load. degree of protections shall be IP21.

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	

B.Diesel Engine : Kirloskar / Cummins / Mahindra & Mahindra Diesel Engine start, developing suitable -----
- BHP output at 1500 RPM with mechanical / electronic governing so as to enable the alternator to give - - - -KVA continuous output at 0.8 P.F. lagging at NTP conditions. The diesel engine shall be capable of providing 10% O/L for 1 Hr for every 11 Hrs of continuous running at full load. The engine with 1st filling of oil and Diesel etc.
01. Exhaust pipe of required size and length with insulation or clading.
02. Diesel tank suitable for 8 to 12 Hours running capacity.
03. Residential Silencer.
04. SMF Batteries with leads as per the Manufacturer standards

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.
14. Control cable up to 15 Mtrs 2.5Sqmm 6 Core

1020 ELEC-11.1.3 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 AMF panel having IP-52 protection, Acoustic Enclosure as per CPCB norms , sound absorbing material, t to restrict sound level up to 75 dB up to 1 mtr distance and as per CPCB norms etc as per following specifications mentioned below.

A. Alternator : Kirloskar / Stamford / Crompton Greaves / Leroy Somer make. The alternator of the output rating shall be 3 Phase, 415V, 50Hz, Ac , 0.8 P.F. lagging at 1500 RPM. The alternator is self excited, self regulated, and shall confirm to IS: 13364 of 1992 or latest version with regulation of +5% from no load to full load. degree of protections shall be IP23.

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	

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 standards

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.

14. Control cable up to 15 Mtrs 2.5Sqmm 6 Core

14. Control cable up to 15 Mtrs 2.5Sqmm 6 Core

12.1 UPS SYSTEMS

1021	ELEC-12.1.1	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 / Microtech / Excide / Sucom.	1 No	8085.00
1022	ELEC-12.1.2	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 / Microtech / Excide / Sucom.	1 No	11489.00
1023	ELEC-12.1.3	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 / Microtech / Excide / Sucom.	1 No	16340.00
1024	ELEC-12.1.4	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.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
1025	ELEC-12.1.5	<p>Makes: Consul / Power one / Numeric / Emerson.</p> <p>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.</p>	1 No	25021.00
1026	ELEC-12.1.6	<p>Makes: Consul / Power one / Numeric / Emerson.</p> <p>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.</p>	1 No	33623.00
1027	ELEC-12.1.7	<p>Makes: Consul / Power one / Numeric / Emerson.</p> <p>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.</p>	1 No	58085.00
1028	ELEC-12.1.8	<p>Makes: Consul / Power one / Numeric / Emerson.</p> <p>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.</p>	1 No	80426.00
1029	ELEC-12.1.9	<p>Makes: Consul / Power one / Numeric / Emerson.</p> <p>Supply and installation of 10KVA / 312V DC on line UPS system IGBT based rectifier with input power factor correction 32 bit microprocessor based with isolation transformers double conversion, SNMP controls, LCD display, Pure sine wave out put, with auto static switch three phase input / Three phase output and modular structure for better thermal technology / cooling facility, with warranty up to three years.</p>	1 No	93830.00
1030	ELEC-12.1.10	<p>Makes: Consul / Eaton / APC / Numeric / Emerson.</p> <p>Supply and installation of 15KVA / 312V DC on line UPS system IGBT based rectifier with input power factor correction 32 bit microprocessor based with isolation transformers double conversion, SNMP controls, LCD display, Pure sine wave out put, with auto static switch three phase input / Three phase output and modular structure for better thermal technology / cooling facility, with warranty up to three years.</p>	1 No	125957.00
	12.2	UPS BATTERY RACKS AND WIRE LEADS		
1031	ELEC-12.2.1	Supply and providing of UPS cum battery rack up to 4 batteries	1 No	1277.00
1032	ELEC-12.2.2	Supply and providing of UPS cum battery rack 5 to 10 batteries	1 No	2447.00
1033	ELEC-12.2.3	Supply and providing of UPS cum battery rack upto 11 to 20 batteries	1 No	4404.00
1034	ELEC-12.2.4	Supply and fixing of 12V 26 AH SMF battery including wire leads.		
1035	ELEC-12.2.5	<p>Makes : Quanta / Racket / Exide.</p> <p>Supply and fixing of 12V 42 AH SMF battery including wire leads.</p>	1 No	3277.00
1036	ELEC-12.2.6	<p>Makes : Quanta / Racket / Exide.</p> <p>Supply and fixing of 12V 65 AH SMF battery including wire leads.</p>	1 No	5486.00
1037	ELEC-12.2.7	<p>Makes : Quanta / Racket / Exide.</p> <p>Supply and fixing of 12V 100 AH SMF battery including wire leads.</p>	1 No	6783.00
1038	ELEC-12.2.8	<p>Makes : Quanta / Racket / Exide.</p> <p>Supply and fixing of 12V 120 AH SMF battery including wire leads.</p>	1 No	8426.00

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	RATE FOR SOR 2016-17 w/o TAX
1	2	3	4	
		Makes : Quanta / Racket / Exide.	1 No	8936.00
1039	ELEC-12.2.9	Supply and fixing of 12V, 120 AH MF battery including wire leads.		
		Makes : Amar Raja (Power Zone) or Equivalent model of Exide / Panasonic / Gotech.	1 No	8481.00
1040	ELEC-12.2.10	Supply and fixing of 12V, 150 AH MF battery including wire leads.		
		Makes : Amar Raja (Power Zone) or Equivalent model of Exide / Panasonic / Gotech.	1 No	10850.00