

Annexure-I

PROVIDING AND INSTALLATION OF DISTRIBUTION TRANSFORMER 25KVA, 11/0.4KV			
Sl.No	Item	Unit	Qty
1	2	3	4
1	Galvanised Swaged Steel Pole with base plate of thickness 6mm and size of 200mmx200mm square welded at the bottom and with pole cap of 6mm thick to be welded at the top conforming to IS 2713/1980 or the latest version thereof 410 SP-29 of overall length 9.00m	No	2
2	G.I. Channel 75 x 40 x 6 mm	Kg	250
3	G.I. Angle Iron 40x40x6 mm	Kg	20
4	G.I. Flat Iron 40mmx6 mm for earthing & clamp	Kg	60
5	Horizontally operated Single break 11 kV Isolator complete with Drop out Fuse unit, conforming to IS : 9921 and any other relevant standards ammended up to date.	Set	1
6	Hard drawn standard aluminium conductors galvanized steelwire reinforced conforming to IS 398(Part-II) with amendment No. 1, 2 and 3 or the latest version thereof bearing ISI mark :ACSR 6/1/2.59mm Weasel.	KM	0.025
7	Out door type oil immersed naturally cooled 3-ph, 50Hz Al-wound Distribution Transformer of vector group DYn-11 conforming to IS : 1180 (1964) and IS : 2026 (1962) or latest version thereof and ISI marked of the following capacity 25 kVA 11/0.415 kV.	No	1
8	1.1 kV Aluminium Armoured Cable 1 core, 16 sq.mm conforming to IS : 1554-1 (1988) or any ammendments for phase and neutral	M	120
9	Aluminium Cable Lug long barrel , 16 Sq.mm	No	12
10	1.1 kV Aluminium Armoured Cable 1 core, 10 sq.mm conforming to IS : 1554-1 (1988) or any ammendments for Street light	M	0
11	Aluminium Cable Lug long barrel , 10 Sq.mm	No	4
12	Lightning Arrester 9 kV, 5 KA	No	3
13	M.S. Flat Iron 40mmx6 mm	kg	0.25
14	M.S. Nut & Bolt 16 x 50 mm full thread conforming to IS : 1364-2 (1992) or any ammendments up to date.	kg	0.25
15	GI Earth pipe 2.5 metre long 40 mm dia with 8 mm thickness fabricated for pole earthing complete with terminal connector	No	3
16	G.I Wire 8 SWG for earth wire/Support wire conforming to IS : 280 (1978), IS : 7887 (1992) or any ammendments up to date.	kg	4
17	Bentonite Powder	kg	300
18	Fencing Post 50 x 50 x 5 mm, 2.7 meter length	No	10
19	Chain link fencing net 6 x 50 ft. hole size 50x50mm or 2"	Mtr	15
20	Steel Gate 1.5 m widthx 2 m height with lock	No	1

21	Polymer Composite Silicon Coated Long rod 11kV insulator, 45KN, conforming IEC : 61109	No	6
22	P.G. Clamp for Weasel conductor (3 bolted type)	No	3
23	Tension Clamp with hardware strain fitting, 3-bolted type complete with bolts, nuts, and washer (Weasel)	No	3
24	LT Cable jointing kit	No	4
25	G.I. Stay set complete 19 mm rod dia. with plate 30x30x0.8 cm conforming to IS : 7887 (1992) or any amendments up to date.	Set	2
26	Stay wire 7/12 SWG conforming to IS : 2141 (1979), IS : 4826 (1979), IS : 6594 (1974) or any amendments up to date.	kg	6.00
27	11kV Guy insulator (140x85mm) conforming to IS : 5300 (1969) or any amendments up to date.	No	2
28	HRC type Main switch 63A	No	1
29	Caution notice board	No	3

Annexure-II

PROVIDING AND INSTALLTION OF DISTRIBUTION TRANSFORMER 63KVA, 11/0.4KV			
Sl.No	Item	Unit	Qnty
1	2	3	4
1	Swaged Steel Pole with base plate of thickness 6mm and size of 200mmx200mm square welded at the bottom and with pole cap of 6mm thick to be welded at the top conforming to IS 2713/1980 or the latest version thereof 410 SP-29 of overall length 9.00m	No	2
2	G.I. Channel 75 x 40 x 6 mm	Kg	250
3	G.I. Angle Iron 40x40x6 mm	Kg	20
4	G.I. Flat Iron 40mmx6 mm for earthing & clamp	Kg	60
5	Horizontally operated Single break 11 kV Isolator complete with Drop out Fuse unit, conforming to IS : 9921 and any other relevant standards ammended up to date.	Set	1
6	Hard drawn standard aluminium conductors galvanized steelwire reinforced conforming to IS 398(Part-II) with amendment No. 1, 2 and 3 or the latest version thereof bearing ISI mark :ACSR 6/1/2.59mm Weasel.	KM	0.0250
7	Out door type oil immersed naturally cooled 3-ph, 50Hz Al-wound Distribution Transformer of vector group DYn-11 conforming to IS : 1180 (1964) and IS : 2026 (1962) or latest version thereof and ISI marked of the following capacity 63 kVA 11/0.415 kV.	No	1
8	1.1 kV Aluminium Armoured Cable 1 core, 70 sq.mm conforming to IS : 1554-1 (1988) or any ammendments for phase and neutral	M	120
9	Aluminium Cable Lug long barrel , 70 Sq.mm	No	12
10	1.1 kV Aluminium Armoured Cable 1 core, 10 sq.mm conforming to IS : 1554-1 (1988) or any ammendments for Street light	M	0
11	Aluminium Cable Lug long barrel , 10 Sq.mm	No	4
12	Lightning Arrester 9 kV, 5 KA	No	3
13	M.S. Flat Iron 40mmx6 mm	kg	0.25
14	M.S. Nut & Bolt 16 x 50 mm full thread conforming to IS : 1364-2 (1992) or any ammendments up to date.	kg	0.25
15	GI Earth pipe 2.5 metre long 40 mm dia with 8 mm thickness fabricated for pole earthing complete with terminal connector	No	3
16	G.I Wire 8 SWG for earth wire/Support wire conforming to IS : 280 (1978), IS : 7887 (1992) or any ammendments up to date.	kg	4
17	Bentonite Powder	kg	300
18	Fencing Post 50 x 50 x 5 mm, 2.7 meter length	No	10
19	Chain link fencing net 6 x 50 ft. hole size 50x50mm or 2"	Mtr	15
20	Steel Gate 1.5 m widthx 2 m height with lock	No	1

21	Polymer Composite Silicon Coated Long rod 11kV insulator, 45KN, conforming IEC : 61109	No	6
22	P.G. Clamp for Weasel conductor (3 bolted type)	No	3
23	Tension Clamp with hardware strain fitting, 3-bolted type complete with bolts, nuts, and washer (Weasel)	No	3
24	LT Cable jointing kit	No	4
25	G.I. Stay set complete 19 mm rod dia. with plate 30x30x0.8 cm conforming to IS : 7887 (1992) or any amendments up to date.	Set	2
26	Stay wire 7/12 SWG conforming to IS : 2141 (1979), IS : 4826 (1979), IS : 6594 (1974) or any amendments up to date.	kg	6.00
27	11kV Guy insulator (140x85mm) conforming to IS : 5300 (1969) or any amendments up to date.	No	2
28	HRC type Main switch 100A	No	1
29	Caution notice board	No	3

Annexure-III

PROVIDING AND INSTALLATION OF DISTRIBUTION TRANSFORMER 100KVA, 11/0.4KV			
Sl.No	Item	Unit	Qty
1	2	3	4
1	Swaged Steel Pole with base plate of thickness 6mm and size of 200mmx200mm square welded at the bottom and with pole cap of 6mm thick to be welded at the top conforming to IS 2713/1980 or the latest version thereof 410 SP-29 of overall length 9.00m	No	2
2	G.I. Channel 75 x 40 x 6 mm	Kg	250
3	G.I. Angle Iron 40x40x6 mm	Kg	20
4	G.I. Flat Iron 40mmx6 mm for earthing & clamp	Kg	60
5	Horizontally operated Single break 11 kV Isolator complete with Drop out Fuse unit, conforming to IS : 9921 and any other relevant standards ammended up to date.	Set	1
6	Hard drawn standard aluminium conductors galvanized steelwire reinforced conforming to IS 398(Part-II) with amendment No. 1, 2 and 3 or the latest version thereof bearing ISI mark :ACSR 6/1/2.59mm Weasel.	KM	0.025
7	Out door type oil immersed naturally cooled 3-ph, 50Hz Al-wound Distribution Transformer of vector group DYn-11 conforming to IS : 1180 (1964) and IS : 2026 (1962) or latest version thereof and ISI marked of the following capacity 100 kVA 11/0.415 kV.	No	1
8	1.1 kV Aluminium Armoured Cable 1 core, 95 sq.mm conforming to IS : 1554-1 (1988) or any ammendments	M	120
9	Aluminium Cable Lug long barrel , 95 Sq.mm	No	18
10	1.1 kV Aluminium Armoured Cable 1 core, 10 sq.mm conforming to IS : 1554-1 (1988) or any ammendments for Street light	M	0
11	Aluminium Cable Lug long barrel , 10 Sq.mm	No	4
12	Lightning Arrester 9 kV, 5 KA	No	3
13	M.S. Flat Iron 40mmx6 mm	kg	0.25
14	M.S. Nut & Bolt 16 x 50 mm full thread conforming to IS : 1364-2 (1992) or any ammendments up to date.	kg	0.25
15	GI Earth pipe 2.5 metre long 40 mm dia with 8 mm thickness fabricated for pole earthing complete with terminal connector	No	3
16	G.I Wire 8 SWG for earth wire/Support wire conforming to IS : 280 (1978), IS : 7887 (1992) or any ammendments up to date.	kg	4
17	Bentonite Powder	kg	300
18	Fencing Post 50 x 50 x 5 mm, 2.7 meter length	No	10
19	Chain link fencing net 6 x 50 ft. hole size 50x50mm or 2"	Mtr	15
20	Steel Gate 1.5 m widthx 2 m height with lock	No	1

21	Polymer Composite Silicon Coated Long rod 11kV insulator, 45KN, conforming IEC : 61109	No	6
22	P.G. Clamp for Weasel conductor (3 bolted type)	No	3
23	Tension Clamp with hardware strain fitting, 3-bolted type complete with bolts, nuts, and washer (Weasel)	No	3
24	LT Cable jointing kit	No	4
25	G.I. Stay set complete 19 mm rod dia. with plate 30x30x0.8 cm conforming to IS : 7887 (1992) or any amendments up to date.	Set	2
26	Stay wire 7/12 SWG conforming to IS : 2141 (1979), IS : 4826 (1979), IS : 6594 (1974) or any amendments up to date.	kg	6.00
27	11kV Guy insulator (140x85mm) conforming to IS : 5300 (1969) or any amendments up to date.	No	2
28	HRC type Main switch 150A	No	1
29	Caution notice board	No	3

Annexure-IV

PROVIDING AND INSTALLATION OF NEW LT NETWORK LINES INCLUDING LT EXTENSION (ANT & GNAT CONDUCTOR)			
A: Materials per KM		Average Span: 45M	
Sl.No	Item	Unit	Qty
1	Swaged Steel Pole with base plate of thickness 6mm and size of 200mmx200mm square welded at the bottom and with pole cap of 6mm thick to be welded at the top conforming to IS 2713/1980 or the latest version thereof 410 SP-29 of overall length 9.00m	Nos.	22
2	G.I. Angle Iron 40x40x6 mm	Kg	129.58
3	G.I. Flat Iron 40mmx6 mm	Kg	44.22
4	G.I. Stay set complete 19 mm rod dia. with plate 30x30x0.8 cm conforming to IS : 7887 (1992) or any amendments up to date - 1 Nos. including Stay wire 7/14 SWG of suitable length conforming to IS : 2141 (1979), IS : 4826 (1979), IS : 6594 (1974) or any amendments up to date - 12 mtrs	Set.	10
5	LT Guy insulator (90x65mm) conforming to IS : 5300 (1969) or any amendments up to date.	No	10
6	G.I. Nut & Bolt 16 x 75 mm full thread conforming to IS : 1364-2 (1992) or any amendments up to date.	Kg	19.36
7	M S washer for 19mm dia hole	Kg	1
8	G.I. Nut & Bolt 16 x 50 mm full thread conforming to IS : 1364-2 (1992) or any amendments up to date.	Kg	8
9	Shackle Insulator (Pin/Strap Type) 70x90 mm conforming to IS : 1445 (1977) or any amendments up to date	No	110
10	Shackle Strap for 70x90 mm Shackle Insulator	Pair	56
11	Shackle Nut Bolt 12x100 mm(GI)	Kg	19
12	Pole earthing with ready made Spike 2 M length connected with GI Wire, Nut & Bolt and Welded to Pole	Loc	3
13	P.G. Clamp	No	55
14	Hard drawn standard aluminium conductors conforming to IS 398(Part-I) with amendment No. 1, 2 and 3 or the latest version thereof bearing ISI mark :Conductor AAC,7/3.10 mm Ant	Km	3.10
15	Hard drawn standard aluminium conductors conforming to IS 398(Part-I) with amendment No. 1, 2 and 3 or the latest version thereof bearing ISI mark :Conductor AAC,7/2.91 mm Gnat	Km	1.03

Annexure-V

Providing and Installation of New 11kV line on SP35 GI Poles & Brackets, Weasel Conductor			
A Materials per KM			Average Span : 135Mtr
SI.No.	Materials	Unit	Qty
1	Swaged Steel Pole with base plate of thickness 6mm and size of 200mmx200mm square welded at the bottom and with pole cap of 6mm thick to be welded at the top conforming to IS 2713/1980 or the latest version thereof 410 SP-35 of overall length 9.50m	No	16
2	GI Channel 75 x 40 x 5 mm	Kg	712
3	GI Flat Iron 40 x 5 mm	Kg	58
4	G.I. Nut & Bolt 16 x 155 mm full thread conforming to IS : 1364-2 (1992) or any amendments up to date.	Kg	35
5	G.I. Nut & Bolt 16 x 75 mm full thread conforming to IS : 1364-2 (1992) or any amendments up to date.	Kg	25
6	Polymer Composite Silicon Coated Long rod 11kV insulator, 45KN, conforming IEC : 61109	No	50
7	Tension Clamp with hardware strain fitting, 3-bolted type complete with bolts, nuts, and washer (Weasel)	No	50
8	Hard drawn standard aluminium conductors galvanized steelwire reinforced conforming to IS 398(Part-II) with amendment No. 1, 2 and 3 or the latest version thereof bearing ISI mark :ACSR 6/1/4 mm Weasel	Km	3.09
9	Jointing Sleeve for Weasel conductor	No	8
10	P.G. Clamp for Weasel conductor (3 bolted type)	No	30
11	Polymer Composite Silicon Coated Long rod 11kV Pin insulator	No	6
12	Lightning Spike made of iron rod,10 mm size, 1.5 m length, 1 kg welded with MS Flat iron 40x5mm, 0.5kg and 8 SWG GI wire 2.5kg	Loc	5
13	Galvanized steel rod, 2 M length, 19 mm dia connected with GI Wire complete with terminal connector	Loc	5
14	G.I. Stay set complete 19 mm rod dia. with plate 30x30x0.8 cm conforming to IS : 7887 (1992) or any amendments up to date.	No	10
15	Stay wire 7/12 SWG conforming to IS : 2141 (1979), IS : 4826 (1979), IS : 6594 (1974) or any amendments up to date.	Kg	27
16	11kV Guy insulator (140x85mm) conforming to IS : 5300 (1969) or any amendments up to date.	No	10

Annexure- VI

PROVIDING AND INSTALLATION OF SERVICE CONNECTION upto 5kW

SI No.	Item	Unit	Qty
A	COST OF MATERIALS		
1	Energy Meter 5 - 30A	No.	0
2	Energy Meter Box	No.	0
3	PVC Wire (TC) 6 Sqmm	Mtr.	40