

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
Ph: 0674-2541545, 2542921, Fax: 0674-2541543
E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.com

PRICE BID FOR THE WORK UNDER SL. NO :- 04 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO TRUCK TERMINAL AT KATADA IN THE DISTRICT OF ANGUL.

BID REF NO :-85/PM/ELECT/OPHWC/2025-26

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	CONSTRUCTION OF 11 KV LINE .				
I	11 KV DP WITH AB SWITCH -2 Nos.				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	4	36804.27	147217.08
2	Top Channel(GI) 100X50X6mm, 9.56 KG/Mtr., each Channel(GI) length 3 mtr., 2 no's Channel(GI) required =(2x9.56x3)	KG	114.72	106.50	12,217.68
3	Fish Plate(GI) 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	KG	7.9296	106.50	844.50
4	AB switch Mounting Channel(GI) 75X40X4.8mm, 7.14KG/Mtr, each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required =(7.14x3x2)	KG	85.68	106.50	9,124.92
5	AB Switch Side Support Channel(GI) 100X50X6mm,9.56 KG/Mtr., each Channel(GI) length 0.35 mtr., 4 no's Channel(GI) required =(9.56x4x0.35)	KG	13.384	106.50	1425.40
6	Cantilever Support for Down pipe 75x40x4.8 mm GI Channel(GI) (810 mm long,2 No's.) (7.14Kg./Mtr., 2 No's.) (Each 2x0.81x7.14)	KG	11.424	106.50	1216.66
7	Double Pole Belting channel 75x40x4.8mm - 7.14 Kg/Mtr.,each 3 Mtr. Length, 4 nos.	KG	171.36	106.50	18249.84
8	50x50x6mm.GI Bracing Angle(GI), 4.5Kg./mtr., each Angle(GI) length 3.512 mtr., 2 nos Angle(GI) required = (4.5x3.512x2)	KG	126.432	106.50	13465.01
9	Danger Plate, 2 no's.	No	4	113.60	454.40
10	Back Clamp for danger Plate 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 2 no's = (2x0.59x0.510)	KG	1.2036	106.50	128.18

11	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	4	177.50	710.00
12	H.T. Stay set (Complete)	SET	4	1491.00	5964.00
13	H.T. Stay Insulator Type-C	EA	4	71.00	284.00
14	7/10 SWG Stay Wire 15kg /stay	KG	60	106.50	6390.00
15	Gi Pipe Earthing 40mm. 3 Mtr. Long	No	4	1491.00	5964.00
16	50x6mm Flat(GI) for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	KG	96.76	106.50	10304.94
17	GI barbed wire anticlimbing device 3 Kg. Per support, 2 no's qty. required =(2x3kg)	KG	12	113.60	1363.20
18	Back Clamp for anticlimbing device 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 8 no's = (8x0.59x0.510)	KG	4.8144	106.50	512.73
19	Lightning Arrester(12KV,10KA) (Station Class,class-2)	No.	6	5041.00	30246.00
20	AB Switch (11KV,400A.3pole,50Hz)	SET	2	16827.00	33654.00
21	11 KV pin insulator polymer	EA	6	284.00	1704.00
22	H W fitting(B&S) 70KN, 3Bolt	EA	12	497.00	5964.00
23	Disc insulator (B&S) 70 KN polymer	EA	12	1633.00	19596.00
24	Non metallic ties -11 KV 55 sq. mm CVRD AAAC	No	6	251.00	1506.00
25	IPC for 55 sq. mm AAAC(For covered conductor)	No	12	550.00	6600.00
26	Spike GI using 50x6 mm GI Flat	Set	8	332.00	2656.00
27	GI Nut , Bolt & Washer of different sizes (13.718 Kg each DP with AB Switch)	KG	27.436	110.76	3038.81
28	Black Paint(GIS Numbering & Zebra Stripping)	L	2	312.40	624.80
29	Yellow Colour Paint(GIS Numbering & Zebra Stripping) for Background	L	4	216.00	864.00
A	A. Sub total				342,290.15
B	B. Stock, Storage & Insurance @ 3% of A				10,268.70
C	Sub Total (C=A+B)				352,558.86
D	T&P @ 2% of C				6,653.35
E	Contingency @ 3% of C				10,576.77
F	Transportation @ 7.5% of C				26,441.91
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				7,581.68
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				18,103.39
J	Total				421,915.96

30	Fixing of complete 11KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5) Stay clamps with Nuts & bolts BA will do the excavation including excavation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard.	EA	4	2301.53	9,206.12
31	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45 Cu.mtr(Per Pole)	Cu. Mtr	1.8	6648.85	11,967.93
32	Couping ratio 1:1.5:3(M-20 Grade) (500mmX500mmX450 mm) = 0.1125 Cu.mtr(Per Pole)	Cu. Mtr	0.45	6648.85	2,991.98
33	Construction Earthing chamber including installation of earthing pipe.Making earthing chamber including excavation , soil treatment with bentonide powder , calculation of earth resistance, including Installation of 3Mtr GI Pipe 40mm/50mm including welding of Flat(GI) around pipe .	EA	4	3784.73	15,138.92
					39,304.95
				Sub total Rs	461,220.91
B	11 KV CUT POINT WITH 90 DEGREE ANGLE(2 Nos.)				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36804.27	73608.54
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	91.776	106.50	9774.14
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	21.1456	106.50	2252.01
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(4x9.56x0.306)	Kg	23.40288	106.50	2492.41
5	Danger plate	No	2	113.60	227.20
6	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	106.50	64.09
7	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
8	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	106.50	256.37
9	11 KV pin insulator polymer	Set	9	284.00	2556.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	15	497.00	7455.00
11	Disc insulator (B&S) 70 KN polymer	No.	15	1633.00	24495.00
12	Earthing of Support (Coil Type)	No	2	235.72	471.44

13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.524	106.50	55.81
14	Non metallic ties -11 KV 80 sq. mm CVRD AAAC	No	9	251.00	2259.00
15	IPC for 55 sq. mm AAAC(For covered conductor)	No	15	550.00	8250.00
16	Spike GI using 50x6 mm GI Flat	Set	4	332.00	1328.00
17	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	4	177.50	710.00
18	H.T. Stay set (Complete)	SET	4	1491.00	5964.00
19	H.T. Stay Insulator Type-C	EA	4	71.00	284.00
20	7/10 SWG Stay Wire 15kg /stay	KG	60	106.50	6390.00
21	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	15.866	110.76	1757.32
22	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	4	216.00	864.00
23	Black paint (GIS Numbering & Zebra stripping)	Ltr	1	312.40	312.40
A	A. Sub total				152,508.32
B	B. Stock, Storage & Insurance @ 3% of A				4,575.25
C	Sub Total (C=A+B)				157,083.57
D	T&P @ 2% of C				2866.7
E	Contingency @ 3% of C				4,712.51
F	Transportation @ 7.5% of C				11,781.27
	Erection Charges @ 5% on poles				3,790.84
G	Erection Charges @ 10%				6,751.83
H	Total				186,986.71
24	Fixing of complete 11KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts BA will do the excvation including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard.	No	4	2301.53	9,206.12
25	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)	Cum	0.9	6648.85	5,983.97
26	Couping ratio 1:1.5:3(M-20 Grade) with dimension (500X500X450)= 0.1125 Cu mtr(Per Pole)	Cum	0.225	6648.85	1495.99

	Total Material + Services Cost (J+K)				203,672.79
C	11 KV PIN POINTS WITH WPB				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	4	36804.27	147217.08
2	11 KV V cross arm	No	4	1150.20	4600.80
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	4	213.00	852.00
4	Danger plate	No	4	113.60	454.40
5	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	1.2	106.50	127.80
6	GI barbed wire/Anticlimbing device	No	12	113.60	1363.20
7	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	4.81	106.50	512.27
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	12	284.00	3408.00
9	Earthing of Support (Coil Type)	No	4	235.72	942.88
10	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.05	106.50	111.83
11	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	5.8	110.76	642.41
12	55 sq. mm AAAC XLPE covered conductor	Mtr.	927.00	99.74	92458.98
13	Yellow colour paint for Background	Ltr	8	216.00	1728.00
14	Black colour paint for numbering	Ltr	4	312.40	1249.60
15	Non metallic ties -11 KV 55 sq. mm AAAC	No	12	251.00	3012.00
16	Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	No	8	332.00	2656.00
A	A. Sub total				261,337.24
B	B. Stock, Storage & Insurance @ 3% of A				7,840.12
C	Sub Total (C=A+B)				269,177.36
D	T&P @ 2% of C				5,383.55
E	Contingency @ 3% of C				8,075.32
F	Transportation @ 7.5% of C				20,188.30
	Erection Charges @ 5% on poles				7,581.68
G	Erection Charges @ 10%				11,754.40
H	Total				322,160.60
17	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	1.8	6648.85	11967.93
18	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.45	6648.85	2991.98
	Total Material + Services Cost (J+K)				337,120.52
II	INSTALLATION OF 250 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36804.27	73608.54

2	9 Mtr Long 300 KG PSC Pole(For raising of LT ABC)	No	2	4260.00	8520.00
3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	3	284.00	852.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	3	85.20	255.60
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	3	92.30	276.90
6	LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 6 No's.) (Each 6x1.000x7.14= 42.84 Kg)	Kg	42.84	106.50	4,562.46
7	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	106.50	6108.84
8	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	106.50	422.25
9	Double pole Belting Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	42.84	106.50	4562.46
10	50X50X6 mm.GI Bracing Angle,4.5 Kg/Mtr.,3512 mm Long, 4.5KG/Mtr., 2 Nos.	Kg	31.608	106.50	3366.25
11	MU channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
12	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
13	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	106.50	712.49
14	Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.	Kg	5.711	106.50	608.22
15	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
16	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	106.50	1232.21
17	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	106.50	1229.01
18	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	Kg	154.81	106.50	16487.27
19	250 KVA , 11/0.4 KV (CU) Transformer BIS Energy Level-II	No	1	619789.27	619789.27
20	LT Distrubution Box with MCCB, Aluminim Busbar of 3 Bay with kit kat Fuse for 250 KVA S/S.	No	1	68160.00	68160.00
21	55 sq. mm AAAC XLPE covered conductor	Mtr	50	99.74	4987.00
22	1Cx400 sq. mm LT XLPE cable	Mtr	120	363.08	43569.60
23	LT Cable Supporting Channel(GI) 100 X 50 X 6 MM GI Channel(GI) (2000 mm long)(9.56 Kg./Mtr., 2 No's.) (Each 2x2x9.56= 28.56 Kg)	Kg	38.24	106.50	4072.56

24	LT Cable Supproting Angle(GI), 50x50x6mm.GI 4.5Kg./mtr., each Angle(GI) length 2 mtr., 4 nos Angle(GI) required = (4.5x4x2)	Kg	36	106.50	3834.00
25	Supply of 1.1kV, 4Core, 150 sqmm, XLPE insulation armoured -Aluminium UG cable from LTDB to Pole	Mtr.	60	805.08	48304.80
26	11 KV AB switch (200 Amp, 3 pole)	Set	1	10437.00	10437.00
27	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	8690.00	8690.00
28	Wedge connector for 55 sq. mm conductor	EA	6	100.00	600.00
29	Polycarbonate Bird Guard	No	6	29.40	176.40
30	11 KV Disc insulator polymer type 70 KN	No	3	1633.00	4899.00
31	11 KV H/W fitting polymer type	Pair	3	497.00	1491.00
32	11 KV LA (12KV,10 KA)station class-2	No	3	5041.00	15123.00
33	11 KV Pin Insulator polymer type	No	3	284.00	852.00
34	HT Stay Set (Complete)	Set	2	1491.00	2982.00
35	HT Stay Insulator	No.	2	177.50	355.00
36	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	71.60	143.20
37	7/10 SWG Stay Wire	KG	30	106.50	3195.00
38	GI Pipe for earthing 40mm dia 3mtr long	No	7	1491.00	10437.00
39	GI Nut, Bolt & washers of different sizes	Kg	25	110.76	2769.00
40	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
41	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	106.50	256.37
42	Danger plate	Kg	2	113.60	227.20
43	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	106.50	64.09
44	Name Plate	No	1	113.60	113.60
Structure Numbering and marking					
45	Yellow colour paint for Background	Ltr	2	216.00	432.00
46	Black colour paint for numbering	Ltr	1	312.40	312.40
A	A. Sub total				993,445.96
B	B. Stock, Storage & Insurance @ 3% of A				29,803.38
C	Sub Total (C=A+B)				1,023,249.34
D	T&P @ 2% of C				18,219.88
E	Contingency @ 3% of C				30,697.48
F	Transportation @ 7.5% of C				76,743.70
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				35,709.98
H	Erection Charges @ 20% on PSC Poles				1,755.08
I	Erection Charges @ 10% for other materials				18,801.86
J	Total				1,205,177.32
47	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6648.85	5,983.97
48	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6648.85	1,502.64

49	PCC ratio 1:3:6(M-10) grade for DSS area (3.5x2.5x0.1)=0.875 Cu Mtr.	Cu. Mtr	0.875	5247.48	4,591.55
50	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2301.53	4,603.06
51	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	7	3784.73	26,493.11
52	LT DB Plinth	No	1	6000.00	6,000.00
53	DTR Plinth upto 1000 KVA	No	1	28000.00	28,000.00
54	Laying of 4Cx150 sq.mm LT XLPE cable	Mtr.	60	73.65	4,419.00
55	Laying of 1Cx400 sq.mm LT XLPE cable	Mtr.	120	96.66	11,599.20
56	Supply and Erection of GI fencing with Gate	Sq. Mtr	18	3682.44	66,283.92
57	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.45 Cu. Mtr.	Cum	0.75	6648.85	4,986.64
58	Supply of AL Lugs suitable for 400 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	16	322.21	5,155.36
59	Supply of AL Lugs suitable for 150 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	24	156.50	3,756.00
60	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 1C 300-1000 sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	No	8	1227.48	9,819.84
61	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 120-185sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	No	3	920.61	2,761.83
					185,956.11
				Sub total Rs	1,391,133.42
PART-III	Supply and Laying of 1.1 KV LT U/G Line of 60 Mtr. using 1.1 KV , 4 C x 35 Sq. mm XLPE Insulation armoured-Aluminium UG cable with one Run spare .				
1	Supply of materials for 1.1 KV XLPE insulation armoured UG cablele with accessories-Open trench (along with spare cable)				

a	Length of 1.1 KV, 4C, 35 sq. mm XLPE insulation armoured-Aluminium UG Cable(open trench)	Mtr.	60		
1.1	Supply of 1.1 KV ,4 core, 35 sq. mm XLPE insulation armoured - Aluminium UG Cable	Mtr	120	268.02	32,162.40
1.2	Supply of HDPE PE 80-PN8 pipe of 110mm diameter	Mtr	120	279.91	33,589.20
A				A. Sub total	65,751.60
	Erection Portion				
2	Laying ,commissioning ,Testing of 1.1 KV , Aluminium, XLPE insulation armoured UG cable by open trench method				
2.1	Laying of 1.1 KV ,4 core 35 sq. mm XLPE insulation armoured-aluminium UG cable	Mtr	120	47.87	5,744.40
2.2	Laying of 110 mm HDPE pipe	Mtr	120	306.87	36,824.40
3	SITC OF GLAND				
3.1	Supply and erection of double compression flameproof type glanding for armoured cable 3.5/4 core ,16-35 sq. mm including making hole in Base plate and dressing of cable along with vermin proofing properly .supply to be done as per TPCODL specification and approved make dowells.	EA	16	368.24	5,891.84
					48,460.64
Civil Portion					
2	Civil works with supply of all materials like cement, MS tor rod, brick, coarse & fine aggregates and labour, T&P, etc for LT UG Cable Trench				
2.1	Earth work excavation of soil Trench Dimension(1.6 Mtr. Wx1.275 Mtr. D)	Cum	71.4	716.03	51,124.54
2.2	Earth work excavation of hard rock Trench Dimension(1.6 Mtr. Wx1.275 Mtr. D)	Cum	30.6	1,759.39	53,837.33
2.3	Back filling with excavated soil outside and above the trench	Cum	28.88	204.58	5,908.27
2.4	PCC(1:3:6) (M-10 Grade)below trench (width 1500 mm ,thickness 75 mm throughout)	Cum	5.625	5,247.48	29,517.08
2.5	Supply and Erection of material for RCC partition Slab 750 mmx100 mm(M-25 Grade)	Cum	4.875	7,483.54	36,482.26
2.6	Supply and Erection of material for RCC trench,150 mm thick(M-25 Grade)	Cum	23.25	7,483.54	173,992.31
2.7	Supply and erection of Rod ,bending ,cutting and binding of prefabricated RCC trench(0.6523 Quint/cum	Kg	1516.6	111.50	169,100.90
2.8	Supply and erection of Rod ,bending ,cutting and binding of prefabricated RCC slabs(0.678 Quint/cum)	Kg	330.525	111.50	36,853.54

2.9	Concreting and shuttering of Mass Concrete	M2	195	307.89	60,038.55
2.1	Structural steel work riveted Channel (GI-75x40x4.8 mm)GI Flat -75x6 mm	Kg	142.35	130.00	18,505.50
Sub Total (Civil Portion) (in Rs.)					635,360.27
A	Sub Total (Supply Portion)				65,751.60
B	Stock, Storage & Insurance @ 3 % of A				1,972.55
C	Sub Total (A+B)				67,724.15
D	Contingency @ 3 % of C				2,031.72
E	Tools & Plants Charges @ 2% of C (considered for multimeter panel and earthing items)				
F	Transportation @ 7.5% of C				5,079.31
G	Erection Charges @ 10% of earthing items and Multimeter Panel				
H	Total (C+D+E+F+G)				74,835.18
I	Sub Total (Erection Portion + Civil Portion)				683,820.91
J	Total Cost (H+I)				758,656.09
II-Construction of 11 kv line using 3Cx120 sq. mm XLPE U/G cable of Length 220 Mtr with one Run Spare(with Raising & Looping).					
Supply Portion					
1	Supply of materials for 11kV, 3Core, 120 sqmm, XLPE insulation armoured UG cable with accessories				
a	Length of 11kV 3C, 120 sqmm cable (open trench)	Mtr.	220		
1.1	Supply of 11kV, 3Core, 120 sqmm, XLPE insulation armoured UG cable (SC rating of cable in kA- 9kA and SC rating of Armour in kA- 9kA)	Mtr.	440.00	1,033.90	454,916.00
1.2	Supply of Outdoor termination kits Heat Shrinkable type suitable for 11kV, 3Core, 95 sqmm, HT UG cable for 3Core (Set)	Set	4	16,693.52	66,774.08
1.3	Supply of HDPE PE 80-PN8 pipe of 160 mm diameter (for 95 sqmm HT cable laying)	Mtr.	408.00	613.86	250,454.88
Sub Total (Supply Portion) (in Rs.)					772,144.96
Erection Portion					
Sl. No.	Description of items	Unit	Quantity	Rate (in Rs.)	Amount (in Rs.)
1	Laying, Commissioning, Testing of 11kV, 3core, 95sqmm, aluminium, XLPE insulation armoured (extruded type) UG cable by open trench method and HDD method				
1.1	Laying, Commissioning, Testing of 11kV, 3core, 120 sqmm, aluminium, XLPE insulation armoured (extruded type) UG cable by open trench method.	Mtr.	440.00	100.17	44,074.80

1.2	Erection of Outdoor termination kits Heat Shrinkable type suitable for 11kV, 3Core, 120 sqmm, aluminium UG cable kits for 3core (set)	Set	4	1,944.33	7,777.32
1.3	Laying of 160 mm dia PE 80-PN8, HDPE pipe inside open trench.	Mtr.	408.00	306.87	125,202.96
Sub Total (Erection Portion) (in Rs.)					177,055.08
Civil Portion					
Sl. No.	Description of items	Unit	Quantity	Rate (in Rs.)	Amount (in Rs.)
1	Civil works with supply of all materials like cement, MS tor rod, brick, coarse & fine aggregates and labour, T&P, etc for UG Cable Trench				
1.1	Earth work excavation of soil	cum	142.8	716.03	102,249.08
1.2	Earth work excavation of Hard rock	Cum	61.2	1759.39	107,674.67
1.3	Back filling with excavated soil outside and above the trench	Cum	204	204.58	41,734.32
1.4	Damage of asphalt/tar road and other utilities and reconstructing to bring to its original shape after laying of cable in open trench(1 Mtr. Width)	Km	0.02	3,874,084.29	77,481.69
1.5	Supply and erection of GI Pipe of dia. 150mm, Class-B (8Mtr.)	Mtr	32	1,496.91	47,901.12
1.6	Supply and Erection of Cable Route Marker along the cable route at an interval of 30mtrs with civil works	Nos.	7	1,035.17	7,246.19
Sub Total (Civil Portion) (in Rs.)					384,287.07
A	Sub Total (Supply Portion)				772,144.96
B	Stock, Storage & Insurance @ 3 % of A				23,164.35
C	Sub Total (A+B)				795,309.31
D	Contingency @ 3 % of C				23,859.28
E	Tools & Plants Charges @ 2% of C (considered for earthing items)				
F	Transportation @ 7.5% of C				59,648.20
G	Erection Charges @ 10% of earthing items				
H	Total (C+D+E+F+G)				878,816.79
I	Sub Total (Erection Portion + Civil Portion)				561,342.15
J	Total Cost (H+I)				1,440,158.93
III	Construction of LT Line using 4x35+1x35+1X16 sq. mm LT AB Cable- -0.631 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	19	4260.00	80,940.00
2	LT stay set complete	Set	7	738.40	5,168.80
3	7/12 SWG GI stay wire, Grade-2	Kg	84	106.50	8,946.00

4	LT stay clamp	Pair	7	156.20	1,093.40
5	LT stay set Insulator	No	7	42.60	298.20
	LT Accessories with Eye Hook and Clamp				
6	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	32	284.00	9,088.00
7	Eye Hook for XLPE Aerial Bunched Cable	No	14	85.20	1,192.80
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	14	92.30	1,292.20
9	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	18	482.80	8,690.40
10	4 Cx35(P)+1Cx35(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	662.55	152.36	100,946.12
11	4 way service Distribution Box with kitkat fuse and Aluminium Bus Bar	No	2	3138.20	6,276.40
12	Insulated Piercing connector ,Type-B main 25-150 sq. mm & Tap-6 to 35 sq. mm	No	18	62.13	1,118.34
13	GI Pipe for earthing (each 5th pole to earth)	EA	4	1491.00	5,964.00
14	Coil Earthing	No	15	235.72	3,535.80
15	No-8 GI wire (Dia-4.6mm)	Kg	5	106.50	532.50
16	Danger plate (LT)	No	19	113.60	2,158.40
17	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	5.72	106.5	609.18
18	GI barbed wire/Anticlimbing device 3 kg per support	Kg	57	113.6	6475.20
19	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	22.87	106.5	2435.66
20	GI Nut, Bolt & washers of different sizes	Kg	9.5	110.76	1,052.22
21	Yellow colour paint for Background	Ltr	38	216.00	8,208.00
22	Black paint	Ltr	19	312.40	5,935.60
A	TOTAL MATERIAL COST				261,957.21
B	Stock, Storage & Insurance @ 3% of A				7,858.72
C	Sub Total (C=A+B)				269,815.93
D	Contingency @3% of C				8,094.48
E	T & P 2% of C				4,723.69
F	Transportation @ 7.5% of C				20,236.19
G	Erection Charges for PSC Pole @ 20%				16,673.64
H	Erection Charges of Joist Poles @ 5%				
I	Erection Charges of other @ 10%				16,433.32
J	Sub Total Rs.				335,977.25
Civil and Services Works (As per Technical Specification)					

23	Fixing of LT complete stay set includes(1) Turn Buckle assembly(2)Stay Rod & stay Plate(3)Stay Insulator(4)Stay Wire(5)stay Clamps with Nuts & Bolts,including excavation supply of 0.5 cum cement concrete foundation 1:2:4 size(500x500x800mm)using 20 mm BHG metal with all Labour and material(Excavation of earth will be done of size500x500x1500mm)	No	7	2301.53	16110.71
24	Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cu.Mtr	7.125	6648.85	47,373.06
25	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	1	3784.00	3,784.00
K	Total Services Cost				67,267.77
	Total Material + Services Cost (J+K)				403,245.02
	Sub Total Rs.				4,995,207.69
	Cess @1%				49,952.08
	Total Estimated Cost				5,045,159.76
	Total Estimated Cost in Figures				5,045,160.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	In Figure _____ % In word _____ %			
Quoted Amount in Figure					
Quoted Amount in word					
N:B- The Estimated cost is exclusive of GST.					

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect)

Sd/-
Dy. Manager (Elect)

Sd/-
Project Manager (Elect)