

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
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[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 05 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO AMA BUS STAND AT BEGUNIA IN THE DIST. OF KHURDA.

BID REF NO :- 48/DGM/ELECT/OPHWC/2024-25

**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	11 KV LINE				
	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	34153.68	34,153.68
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	45.888	102.00	4,680.58
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	102.00	1,078.43
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	11.70144	102.00	1,193.55
5	Danger plate	No	1	108.80	108.80
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	0.3009	102.00	30.69
7	GI barbed wire/Anticlimbing device	No	3	108.80	326.40
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	1.2036	102.00	122.77
9	11 KV pin insulator polymer	Set	4	272.00	1,088.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	6	476.00	2,856.00
11	Disc insulator (B&S) 70 KN polymer	No.	6	1564.00	9,384.00
12	Earthing of Support (Coil Type)	No	1	225.76	225.76
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	102.00	26.72
14	Wedge connector for 80 sq. mm Conductor	No	6	135.60	813.60
15	Polycarbonate Bird Guard	No	10	20.96	209.60
16	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	170.00	340.00
17	HT Stay Set (Complete)	Set	2	1428.00	2,856.00
18	HT Stay Insulator	No.	2	68.00	136.00
19	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	102.00	3,060.00
20	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.433	106.08	788.49
21	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	167.46	334.92
22	Black paint (GIS Numbering & Zebra stripping)	Ltr	0.5	299.20	149.60
A				A. Sub total	63,963.58
B				B. Stock, Storage & Insurance @ 3% of A	1,918.91
C				Sub Total (C=A+B)	65,882.49
D				T&P @ 2% of C	1,185.97
E				Contingency @ 3% of C	1,976.47
F				Transportation @ 7.5% of C	4,941.19
				Erection Charges @ 5% on poles	1,758.91

G	Erection Charges @ 10%				2,412.04
H	Total				78,157.07
23	Fixing of 11 KV 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, 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 and standard.	No	2	2301.53	4,603.06
24	Cooncreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.	Cum	0.45	6648.85	2,991.98
25	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6648.85	748.00
Total Material + Services Cost (J+K)					86,500.11
B	11 KV PIN POINTS WITH WPB				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	34153.68	68,307.36
2	Top channel(GI) 100X50X6mm, 9.56 KG/Mtr., each channel length 2.3 mtr., 2 no's channel required =(2x9.56x2.3)	Kg	87.95	102.00	8,970.90
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	3.96	102.00	403.92
4	11 KV V cross arm(GI)10.2 Kg each	No	3	1101.60	3,304.80
5	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	3	204.00	612.00
6	Danger plate	No	1	108.80	108.80
7	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6	102.00	61.20
8	GI barbed wire/Anticlimbing device	No	6	108.80	652.80
9	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.41	102.00	245.82
10	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	9	272.00	2,448.00
11	H W fitting(B&S) 70KN, 3Bolt	No.	6	476.00	2,856.00
12	Disc insulator (B&S) 70 KN polymer	No.	6	1564.00	9,384.00
13	Earthing of Support (Coil Type)	No	2	225.76	451.52
14	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.524	102.00	53.45
15	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	2.9	106.08	307.63
16	80 sq. mm AAAC	Km	0.4635	58480.00	27,105.48
17	HT stay set complete	No	1	1428.00	1,428.00
18	HT stay Clamp (1.9Kg/pair)	Pair	1	170.00	170.00
19	HT stay insulator TYPE-C	No	1	68.00	68.00
20	7/10 SWG GI stay wire, Grade -2 (15Kg./ Set)	Kg	15	102.00	1,530.00
21	Earthing of Support (Coil Type)	No	2	225.76	451.52
22	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	299.20	598.40
23	Black paint (GIS Numbering & Zebra stripping)	Ltr	4	167.46	669.84
24	Polycarbonate Bird Guard	No	9	20.96	188.64
A	A. Sub total				130,378.08
B	B. Stock, Storage & Insurance @ 3% of A				3,911.34
C	Sub Total (C=A+B)				134,289.42
D	T&P @ 2% of C				2,676.50
E	Contingency @ 3% of C				4,028.68
F	Transportation @ 7.5% of C				10,071.71
	Erection Charges @ 5% on poles				3,517.83
G	Erection Charges @ 10%				6,346.80
H	Total				160,930.94

25	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6648.85	5,983.97
26	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.2249	6648.85	1,495.33
	Total Material + Services Cost (J+K)				168,410.23
II	11 KV LINE PROTECTING GUARDING -3 Nos.				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2)(For Single Pole)	Kg	188.496	102.00	19,226.59
2	No-6 GI wire (0.192 Kg/Mtr.)for main string	Kg	460.8	102.00	47,001.60
3	No-8 GI wire (0.131 Kg/mtr.)for lacing	Kg	98.25	102.00	10,021.50
4	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	12	136.00	1,632.00
5	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	6	1428.00	8,568.00
6	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	151.512	102.00	15,454.22
A	TOTAL MATERIAL COST (FOR-2020-21)				101,903.92
B	Stock, Storage & Insurance @ 3% of A				3,057.12
C	Sub Total (C=A+B)				104,961.03
D	Contingency @3% of C				3,148.83
E	T & P 2% of C				1,922.72
F	Transportation @ 7.5% of C				7,872.08
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				9,613.60
J	Sub Total Rs.				127,518.26
7	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	6	3784.73	22,708.38
	Total Rs.				150,226.64
III	SHIFTING AND REINSTALLATION OF 250 KVA S/S				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	34153.68	68,307.36
2	9 Mtr Long 300 KG PSC Pole(for raising of LT ABC)	No	2	4080.00	8,160.00
3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	3	272.00	816.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	3	81.60	244.80
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable	No	3	88.40	265.20
6	LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 3 No's.) (Each 3x1.000x7.14= 21.42 Kg)	Kg	42.84	102.00	4,369.68
2	Top Channel(GI) GI 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	Kg	57.36	102.00	5,850.72
3	Fish Plate(GI) 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	Kg	3.9648	102.00	404.41
4	M.U Channel(GI) GI 75x40x4.8 mm (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	42.84	102.00	4,369.68
5	AB Switch Mounting Channel(GI) 75x40x4.8 mm GI Channel(GI) (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	42.84	102.00	4,369.68
6	AB Switch Side Support Channel(GI) 100X50X6mm,9.56 KG/Mtr., each Channel(GI) length 0.35 mtr., 2 no's Channel(GI) required =(9.56x2x0.35)	Kg	6.69	102.00	682.38
7	Channel(GI) Support for down Pipe 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 0.8 Mtr., 1 no's Channel(GI) required =(7.14x0.8x1)	Kg	5.71	102.00	582.42

8	HG/ DO Fuse Mounting Channel(GI) 75x40x4.8 mm GI Channel(GI) (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	42.84	102.00	4,369.68
9	Cantilever Support Channel(GI) 75x40x4.8 mm GI Channel(GI) (810 mm long,2 No's.) (7.14Kg./Mtr., 2 No's.) (Each 2x0.810x7.14= 11.57 Kg)	Kg	11.57	102.00	1,180.14
10	Cantilever Support Angle(GI) 50 X 50 X 6MM GI (1282 mm long) (4.5Kg./Mtr, 2 No's.) (Each 2x1.282x4.5= 11.54Kg)	Kg	11.54	102.00	1,177.08
11	Double Pole Belting Channel(GI) 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 3.0 Mtr., 2 no's Channel(GI) required =(7.14x3x2)	Kg	42.84	102.00	4,369.68
	50x50x6 mm GI Bracing angle ,4.5 kg/Mtr.,each angle(GI) Length 3.512 Mtr.,2 Nos. angle(GI) required	Kg	31.61	102.00	3,224.22
12	50x6mm Flat(GI) for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For LA and 2.5 mtr. For raising, 11 mtr for AB switch, 2.8 mtr for HG Fuse, 5x2 mtr. for DTR Nutral, (1.3+4.5) mtr. For DTR Body, 0.500 mtr for LTDB & AB Switch operating handle, 3 mtr. for Fencing) (Each 65.6x 2.36= 154.81 Kg)	Kg	154.82	102.00	15,791.64
14	LT Distribution Box with MCCB, Aluminium Busbar for 3 Bay with kit kat fuse for 250 KVA S/S	No	1	65280.00	65,280.00
15	55mm ² ACSR - PVC Insulated (50 Mtr. Each Dtr.)	Mtr	50	55.24	2,762.00
16	1 Cx 400 mm ² LT XLPE Cable(Un-Armoured)	Mtr	120	363.08	43,569.60
17	LT Cable Supporting Channel(GI) 100 X 50 X 6 MM GI Channel (2000 mm long)(9.56 Kg./Mtr., 2 No's.) (Each 2x2x9.56= 28.56 Kg)	Mtr	38.24	102.00	3,900.48
18	LT Cable Supproting Angle(GI), 50x50x6mm.GI 4.5Kg./mtr., each Angle(GI) length 2 mtr., 4 nos Angle(GI) required = (4.5x4x2)	Set	36	102.00	3,672.00
	Supply of 1.1 KV , 4 core ,150 sq. mm XLPE Insulation armoured Aluminium UG cable from LTDB to Pole	Mtr.	60	803.39	48,203.40
19	AB Switch(11KV,200A.3pole,50Hz)	EA	1	9996.00	9,996.00
20	H.G.Fuse(11KV.200A.3Pole)	EA	1	8323.20	8,323.20
21	WEDGE CONNECTOR FOR 55 SQMM.CONDUCTOR	No	6	146.20	877.20
22	POLYCARBONATE BIRD GUARD	No	6	20.96	125.76
23	Disc insulator (B&S)70 KN polymer	No	3	1564.00	4,692.00
24	H W fitting (B&S)70KN(3bolted)	No	3	476.00	1,428.00
25	Lightning Arrester(12KV,10KA) Station Class 2	Set	3	4828.00	14,484.00
26	11KV pin insulator polymer	No.	3	272.00	816.00
27	HT stay set complete	No	2	1428.00	2,856.00
28	HT stay Clamp (1.9Kg/pair)	Pair	2	170.00	340.00
29	HT stay insulator TYPE-C	No	2	68.00	136.00
30	7/10 SWG GI stay wire, Grade -2 (15Kg./ Set)	Kg	30	102.00	3,060.00
31	40 mm Nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long	No	7	1428.00	9,996.00
32	GI Nuts & Bolts of Assorted size (25 Kg/ DSS DP)	Kg	25	106.08	2,652.00
33	GI Barbed wire/Anticlimbing device (3Kg /Pole)	Kg	6	108.80	652.80
34	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	2.4072	102.00	245.53
35	Danger plate 11kv	No	2	108.80	217.60
36	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	0.6018	102.00	61.38
37	Name plate	No	1	108.80	108.80
38	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	167.46	334.92
39	Black paint (GIS Numbering & Zebra stripping)	Ltr	1	299.20	299.20
A				A. Sub total	357,624.65

B	B. Stock, Storage & Insurance @ 3% of A				10,728.74
C	Sub Total (C=A+B)				368,353.39
D	T&P @ 2% of C				5,138.94
E	Contingency @ 3% of C				11,050.60
F	Transportation @ 7.5% of C				27,626.50
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				3,517.83
H	Erection Charges @ 20% on PSC Poles				1,680.96
I	Erection Charges @ 10% for other materials				17,818.54
J	Total				435,186.76
40	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cu. Mtr	0.9	6648.85	5,983.97
41	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6648.85	1,502.64
42	PCC ratio 1:3:6(M-10 Grade) For DSS Area (3.52X2.5X0.1)= 0.875 Cu. mtr.	Cu. Mtr	0.875	5247.48	4,591.55
43	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
44	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
45	LT DB Plinth	No	1	6000.00	6,000.00
46	DTR Plinth	No	1	28000.00	28,000.00
47	Laying of 4Cx150 sq.mm LT XLPE cable	Mtr.	60	73.65	4,419.00
48	Laying of 1.1 KV cable from 400 to 1000 sq. mm	Mtr.	120	96.66	11,599.20
49	Supply and Erection of GI fencing with Gate	RM	18	3682.44	66,283.92
50	Supply and erection of GI Pipe of dia. 150mm, Class-B (8Mtr.)	Mtr.	24	1496.91	35,925.84
51	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cu. Mtr	0.75	6648.85	4,986.64
52	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.	EA	16	322.21	5,155.36
53	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.	EA	24	156.50	3,756.00
54	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 1 C 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.	EA	8	1227.48	9,819.84
55	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 120-185 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.	EA	3	920.61	2,761.83
					221,881.95
	Sub total Rs				657,068.71

IV	SHIFTING AND REINSTALLATION OF 63 KVA S/S				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	34153.68	68,307.36
2	9 Mtr Long 300 KG PSC Pole(for raising of LT ABC)	No	1	4080.00	4,080.00
3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	2	272.00	544.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	2	81.60	163.20
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable	No	2	88.40	176.80
6	LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 3 No's.) (Each 3x1.000x7.14= 21.42 Kg)	Kg	21.42	102.00	2,184.84
7	Top Channel(GI) GI 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	Kg	57.36	102.00	5,850.72
8	Fish Plate(GI) 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	Kg	3.9648	102.00	404.41
9	M.U Channel(GI) GI 75x40x4.8 mm (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	42.84	102.00	4,369.68
10	AB Switch Mounting Channel(GI) 75x40x4.8 mm GI Channel(GI) (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	42.84	102.00	4,369.68
11	AB Switch Side Support Channel(GI) 100X50X6mm,9.56 KG/Mtr., each Channel(GI) length 0.35 mtr., 2 no's Channel(GI) required =(9.56x2x0.35)	Kg	6.69	102.00	682.38
12	Channel(GI) Support for down Pipe 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 0.8 Mtr., 1 no's Channel(GI) required =(7.14x0.8x1)	Kg	5.71	102.00	582.42
13	HG/ DO Fuse Mounting Channel(GI) 75x40x4.8 mm GI Channel(GI) (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	42.84	102.00	4,369.68
14	Cantilever Support Channel(GI) 75x40x4.8 mm GI Channel(GI) (810 mm long,2 No's.) (7.14Kg./Mtr., 2 No's.) (Each 2x0.810x7.14= 11.57 Kg)	Kg	11.57	102.00	1,180.14
15	Cantilever Support Angle(GI) 50 X 50 X 6MM GI (1282 mm long) (4.5Kg./Mtr, 2 No's.) (Each 2x1.282x4.5= 11.54Kg)	Kg	11.54	102.00	1,177.08
16	Transformer Base GI Channel 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	Kg	57.36	102.00	5,850.72
17	Transformer Base Support GI Channel 100 X 50 X 6 MM (515 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x0.515x9.56= 9.85Kg)	Kg	9.85	102.00	1,004.70
18	Transformer Belting Angle 50 X 50 X 6MM GI (3000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x3.0x4.5 Kg)	Kg	27	102.00	2,754.00
19	Transformer Belting Support Angle 50 X 50 X 6MM GI (580 mm long)(4.5Kg./Mtr,2 No's) (Each 2x0.580x4.5= Kg)	Kg	5.22	102.00	532.44
20	LTDB Mounting Angle 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x1x4.5 Kg)	Kg	9	102.00	918.00
21	50x6mm Flat(GI) for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For LA and 2.5 mtr. For raising, 11 mtr for AB switch, 2.8 mtr for HG Fuse, 5x2 mtr. for DTR Nutral, (1.3+4.5) mtr. For DTR Body, 0.500 mtr for LTDB & AB Switch operating handle, 3 mtr. for Fencing) (Each 65.6x 2.36= 154.81 Kg)	Kg	154.82	102.00	15,791.64
22	LT Distribution Box with MCCB, Aluminium Busbar for single Bay with kit kat fuse for 63 KVA S/S	No	1	24917.92	24,917.92
23	55mm2 ACSR - PVC Insulated (50 Mtr. Each Dtr.)	Mtr	50	55.24	2,762.00
24	4 Cx 95 mm2 LT XLPE Cable(Armoured)	Mtr	15	438.71	6,580.65
25	4 Cx 95 mm2 LT XLPE Cable(Armoured)from LTDB to Pole	Mtr	40	438.71	17,548.40

26	AB Switch(11KV,200A.3pole,50Hz)	EA	1	9996.00	9,996.00
27	H.G.Fuse(11KV.200A.3Pole)	EA	1	8323.20	8,323.20
28	WEDGE CONNECTOR FOR 55 SQMM.CONDUCTOR	No	6	146.20	877.20
29	POLYCARBONATE BIRD GUARD	No	6	20.96	125.76
30	Disc insulator (B&S)70 KN polymer	No	3	1564.00	4,692.00
31	H W fitting (B&S)70KN(3bolted)	No	3	476.00	1,428.00
32	Lightning Arrester(12KV,10KA) Station Class 2	Set	3	4828.00	14,484.00
33	11KV pin insulator polymer	No.	3	272.00	816.00
34	HT stay set complete	No	2	1428.00	2,856.00
35	HT stay Clamp (1.9Kg/pair)	Pair	2	170.00	340.00
36	HT stay insulator TYPE-C	No	2	68.00	136.00
37	7/10 SWG GI stay wire, Grade -2 (15Kg./ Set)	Kg	30	102.00	3,060.00
38	40 mm Nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long	No	7	1428.00	9,996.00
39	GI Nuts & Bolts of Assorted size (25 Kg/ DSS DP)	Kg	25	106.08	2,652.00
40	GI Barbed wire/Anticlimbing device (3Kg /Pole)	Kg	6	108.80	652.80
41	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	2.4072	102.00	245.53
42	Danger plate 11kv	No	2	108.80	217.60
43	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	0.6018	102.00	61.38
44	Name plate	No	1	108.80	108.80
45	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	167.46	334.92
46	Black paint (GIS Numbering & Zebra stripping)	Ltr	1	299.20	299.20
A	A. Sub total				238,805.26
B	B. Stock, Storage & Insurance @ 3% of A				7,164.16
C	Sub Total (C=A+B)				245,969.42
D	T&P @ 2% of C				4,084.72
E	Contingency @ 3% of C				7,379.08
F	Transportation @ 7.5% of C				18,447.71
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				3,517.83
H	Erection Charges @ 20% on PSC Poles				840.48
I	Erection Charges @ 10% for other materials				12,967.70
J	Total				293,206.93
47	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cu. Mtr	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 (5X3X0.1)= 0.875 Cu. mtr.	Cu. Mtr	1.5	5247.48	7,871.22
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	Laying of 4Cx95 sq. mm LT XLPE cable	Mtr	55	47.87	2,632.85
53	Supply and Erection of GI fencing with Gate	Sq. Mtr.	16	3682.44	58,919.04

54	Supply and erection of GI Pipe of dia. 150mm, Class-B (8Mtr.)	Mtr.	16	1496.91	23,950.56
55	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cu. Mtr	0.375	6648.85	2,493.32
56	Supply of AL Lugs suitable for 95 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	EA	24	92.06	2,209.44
57	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 50-95 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.	EA	3	690.46	2,071.38
					138,730.58
				Sub total Rs	431,937.52
IV	Construction of LT Line using 4C×50 mm² (P)+1CX50 mm²(M)+1CX16 mm²(Street Light) (LT AB Cable)- -0.3 Km.AND LT Line using 4C×95 mm² (P)+1CX95 mm²(M)+1CX16 mm²(Street Light) (LT AB Cable)- -0.3 Km				
1	9 Mtr Long 300 KG PSC Pole	No	6	4080.00	24,480.00
2	LT Stay set Complete	Set	4	707.20	2,828.80
3	7/12 SWG GI stay wire, Grade -2	Kg	48	102.00	4,896.00
4	LT stay Clamp (1.40Kg/pair)	Pair	4	149.60	598.40
5	LT Stay insulator	No	4	40.80	163.20
	LT Accessories with Eye Hook and Clamp				
6	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	14	272.00	3,808.00
7	EYE hook for XLPE Aerial bunched Cable	No	6	81.60	489.60
8	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	6	88.40	530.40
9	Suspension Clamp with EYE hook for ABC	No	8	462.40	3,699.20
10	4C×50 mm ² (P)+1C×50 mm ² (M)+1CX50 mm ² (Street Light) (LT AB Cable)	Mtr	315	214.00	67,410.00
10	C×95 mm ² (P)+1CX95 mm ² (M)+1CX16 mm ² (Street Light)(Street Light) (LT AB Cable)	Mtr	315	338.66	106,677.90
11	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	5	113.08	565.40
12	Pipe Earthing (each 5th pole to earth)	No	1	1428.00	1,428.00
13	Coil Earthing	No	5	225.76	1,128.80
14	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	1.572	102	160.34
15	Danger plate (LT)	Kg	6	108.8	652.80
16	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	Kg	1.81	102.00	184.62
17	GI barbed wire anticlimbing device 3 Kg. Per support	Ltr	18	108.80	1,958.40
18	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	Kg	7.22	102.00	736.44
19	GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)	Kg	3	106.08	318.24
20	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr.	12	167.46	2,009.52
21	Black paint (GIS Numbering & Zebra stripping)	Ltr	6	299.20	1,795.20
A	TOTAL MATERIAL COST				226,519.26
B	Stock, Storage & Insurance @ 3% of A				6,795.58
C	Sub Total (C=A+B)				233,314.84
D	Contingency @3% of C				6,999.45
E	T & P 2% of C				4,462.05
F	Transportation @ 7.5% of C				17,498.61
G	Erection Charges for PSC Pole @ 20%				1,260.72

H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				19,788.86
J	Sub Total Rs.				283,324.53
Civil and Services Works (As per Technical Specification)					
22	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	4	2301.53	9,206.12
23	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu. Mtr	2.25	6648.85	14,959.91
24	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	3784.73	3,784.73
K	Total Services Cost				27,950.76
	Total Material + Services Cost (J+K)				311,275.29
V	Dismantling of Line, Poles, S/S along with accessories (AS per TPCODL Estimate)	Job	1	64555.51	64,555.51
	Sub Total Rs.				1,869,974.02
	Cess @ 1%				18,699.74
	Total Estimated Cost				1,888,673.76
	Total Estimated Cost in Figures				1,888,674.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
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/-
D.M I/C (Elect)

Sd/-
DGM Engg.(Elect.)