

**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 /www.ophwc.nic.in****PRICE BID FOR THE WORK UNDER SL. NO :- 03 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO AMA BUS STAND AT PHIRANGIA IN THE DISTRICT OF KANDHAMAL.****BID REF NO.-77/PM/ELECT/OPHWC/2024-25**

<b>NAME &amp; ADDRESS OF THE FIRM</b>	

**SCHEDULE OF WORKS**

<b>Sl. No.</b>	<b>Description of work</b>	<b>Unit</b>	<b>Qty.</b>	<b>Estimated Cost in Rs.</b>	
				<b>RATE IN RS.</b>	<b>AMOUNT IN RS.</b>
	<b>PART-A</b>				
<b>PART-I</b>	<b>3 phase 3W 11 KV line with 55 sq. mm AAAC -0.05 Km</b>				
1	11 Mtr Long (160x152)mm WPB GI Pole(30.44 Kg/mtr)	No	10	34321.52	343215.20
2	10 Mtr Long GI Joist Pole (34.6 Kg/Mtr.)as Stud Pole	No	2	35292.00	70584.00
3	Back clamp for stud pole	No	8	108.80	870.40
4	Disc insulator 45 KN (B&S) Polymer	No.	15	1169.60	17544.00
5	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 4 Nos, & 0.2 Mtr. Long 4 Nos.(2 Nos. cut point)	Kg	360.64	102.00	36785.28
6	Back clamp for straight cross Arm	No	24	108.80	2611.20
7	Angle 50x50x6 mm for cantilever 4.5 Kg/Mtr.	Kg	140.4	102.00	14320.80
8	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	10.573	102.00	1078.45
9	HT stay set complete	No.	2	1428.00	2856.00
10	11KV stay insulator	No.	2	68.00	136.00
11	7/10 SWG stay wire	Kg	20	102.00	2040.00
12	HT stay clamp (1.9 Kg/Pair)	pair	2	170.00	340.00
13	1Cx55 sq. mm 11 KV XLPE covered conductor	Km	1.1742	99740.00	117114.71
14	IPC for 11 KV conductor	No	15	371.00	5565.00
15	Dead end clamp	No	15	890.00	13350.00
16	Non metallic Ties 11 KV	No	33	286.00	9438.00
17	11 KV Pin insulator Polymer	No	33	272.00	8976.00

18	Earthing Device coil type GI	No	10	225.76	2257.60
19	No.8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr. For connecting pole with coil earthing	Kg	2.620	102.00	267.24
20	Danger Board	No	10	108.80	1088.00
21	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	3.009	102.00	306.92
22	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	30	108.80	3264.00
23	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	12.036	102.00	1227.67
24	GI Nuts & Bolts	Kg	32	106.08	3394.56
25	Sundries (clamp, connectors, Binding tape etc.)	LS	1	1500.00	1500.00
					<b>660131.02</b>
<b>PART-II</b>	<b>Installation of 250 KVA 11/0.4KV sub station -1 No.</b>				
1	11 Mtr Long (160x152)mm WPB GI Pole(30.44 Kg/mtr)	No	2	34321.52	68643.04
2	Earthing Device coil type GI	No	2	225.76	451.52
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	102.00	53.45
4	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
5	AB switch &HG fuse mounting GI channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7768.32
6	DP Belting GI channel(75x40x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	K.g	38.08	102.00	3884.16
7	GI Angle for cross bracing(100x50x6)mm,Angle each 3.5 mtr long 2 No(4.5 Kg/mtr)	K.g	31.5	102.00	3213.00
8	Cantilever GI Channel for supporting HG Fuse,75x40x6mm.-1 Mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	102.00	1387.20
9	Cantilever GI angle for supporting HG Fuse 50x50x6mm MS Angle 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	13.5	102.00	1377.00
10	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	Kg.	9	102.00	918.00
11	AB switch side support channel 100x50x6 mm ,9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	Kg.	6.44	102.00	656.88
12	Channel support for down pipe 75x40x6 mm ,6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	K.g	5.44	102.00	554.88
13	Fish Plate 50x6 mm,2.36 Kg/Mtr.,each 0.280 mtr. Length	Kg	3.9648	102.00	404.41

14	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3508.80
15	11 KV HW fitting (B&S)45 KN	No	3	353.60	1060.80
16	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	16116.00	16116.00
17	11KV HG fuse 3 pole(400 Amp)with PI	Set	1	15680.80	15680.80
18	11 KV LA(9 KV, 10 KA)	No.	3	1360.00	4080.00
19	HT stay set (Complete)REC Construction standard	No.	4	1428.00	5712.00
20	HT stay Insulator, Type-C	No.	4	68.00	272.00
21	Stay clamp(1.9 Kg/Pair)	pair	4	170.00	680.00
22	7/10 SWG GI Saty wire, grade-2	Kg	40	102.00	4080.00
23	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1428.00	9996.00
24	25x6 mm GI flat(Neutral)	Kg	60	102.00	6120.00
25	25x4 mm GI flat	Kg	10	102.00	1020.00
26	55 sq. mm AAAC for jumpering	Km	0.05	40800.00	2040.00
27	PG clamp for 55 sq. mm AAAC	No	3	652.80	1958.40
28	GI Nuts, Bolts and washers of assorted size	Kg	25	106.08	2652.00
29	250 KVA, 11/0.4 KV (CU) Transformer with Tap changer BIS Energy Level-II	No	1	605000.00	605000.00
30	LT Distribution box with MCCB, Aluminium Bus bar for 3 bay with Kitkat Fuse for 250 KVA S/S	No	1	65280.00	65280.00
31	300 sq. mm 1 core LT XLPE Cable	Mtr.	40	519.52	20780.80
32	Danger Board	No.	2	108.80	217.60
33	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	102.00	61.38
34	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
35	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	102.00	245.51
36	Sundries (clamp connector, jumpering materials, paint etc.)	LS	1	1000.00	1000.00
	A.Sub Total Rs.				<b>862,781.80</b>
<b>PART-III</b>	<b>Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.2 Km</b>				
1	9 Mtr Long 300 KG PSC Pole	No	7	4080.00	28560.00
2	RCC Base Plate	No	7	361.34	2529.38
3	3x50+1x35+1x16 sqmm XLPE AB Cable	Mtr.	210.00	190.40	39984.00
4	L.T Stay set (Complete )	Set	6	707.20	4243.20
5	L.T Stay Insulator	No.	6	40.80	244.80
6	L.T Stay Clamp(1.4 K.g/Pair)	Pair	6	149.60	897.60

7	7/12 SWG Stay Wire	Kg	42	102.00	4284.00
8	Pole clamp for eye Hook for XLPE cable	No	13	272.00	3536.00
9	Dead end clamp suitable for XLPE cable	No	12	170.00	2040.00
10	Suspension clamp with I Hook	No.	1	462.40	462.40
11	Earthing Device coil type GI	No	7	225.76	1580.32
12	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.834	102.00	187.07
13	GI Nuts, Bolt and washer	Kg	4	106.08	424.32
14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	21	108.80	2284.80
15	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	8.425	102.00	859.35
16	Danger Board	No.	7	108.80	761.60
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	2.106	102.00	214.81
18	Sundries (paint,clamp connectors, Binding tape)	LS	1	1000.00	1000.00
					94093.65
	A.Sub Total Rs.				<b>1,617,006.47</b>
B	Stock,storage and insurance (@3% on A)				<b>48510.19</b>
C	TOTAL RS.				<b>1665516.66</b>
D	T&P @ 2% of C				<b>33310.33</b>
E	Contingency @ 3% of C				<b>49965.50</b>
F	Transportation @ 7.5% of C				<b>124913.75</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>113490.08</b>
H	TOTAL RS.				<b>1987196.33</b>
19	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	14	1329.77	18616.78
20	Concreting of WPB Pole in ratio 1:1:5:3(500x500x1660mm)=0.415 cum+Couping in ratio 1:1:5:3=0.1125 Cum @6648.85	Nos.	12	3739.98	44879.76
21	Concreting of 8 Mtr./9 Mtr. PSC Pole in ratio 1:1:5:3(500x500x1500mm)=0.375 cum + Couping in ratio 1:1:5:3=0.1125 Cum @6648.85	Nos.	7	3241.32	22689.24
22	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00

23	Plinth for installation of 250 KVA DTR	Nos.	1	32181.60	32181.60
24	Construction of Boundary wall for fencing of DPM S/S in the size 3x3 Mtr. @ 7300.12/RM considering height above ground depth -1.2 mtr. Including the cost of fabrication ,installation of MS Gate(1.5x1.65)(as per TPSODL specification)	Rmt.	18	7300.12	131402.16
<b>Sub Total Rs.</b>					<b>2,248,165.87</b>
<b>Cess @ 1%</b>					<b>22,481.66</b>
<b>Total Estimated Cost</b>					<b>2,270,647.52</b>
<b>Total Estimated Cost in Figures</b>					<b>2,270,648.00</b>
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 (Elect)**

**Sd/-  
Project Manager (Elect)**