

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
**[Electrical Division]**

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**PRICE BID FOR THE WORK UNDER SL. NO :- 06 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO FORTIFIED POLICE STATION AT PHIRANGIA IN THE DISTRICT OF KANDHAMAL.**

**BID REF NO.-77/PM/ELECT/OPHWC/2024-25**

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

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>PART-I</b>	<b>3 phase 3W 11 KV line -0.06 Km</b>				
1	10 Mtr. Long 300 Kg PSC Pole	No	2	6120.00	12240.00
2	RCC Base Plate for PSC Pole(500x500x10 mm)	No	2	361.34	722.68
3	11 KV 'V' cross arm(10.2 Kg each)GI	No.	1	1101.60	1101.60
4	GI Back clamp for 11 KV V Cross Arm	No.	1	108.80	108.80
5	11 KV F clamp 2.9 Kg each	No	1	326.40	326.40
6	Disc insulator 45 KN (B&S) Polymer	No.	9	1169.60	10526.40
7	11 KV HW fitting (B&S) type ,45 KN	No.	9	353.60	3182.40
8	55 sq. mm AAA conductor	Km	0.1854	40800.00	7564.32
9	PG Clamp for 55 sq. mm AAA conductor	No	9	652.80	5875.20
10	11 KV Pin insulator Polymer	No	6	272.00	1632.00
11	100x50x6 mm GI channel for straight cross arm(1.2 Mtr. Each 6 Nos. & .03 Mtr. Long 3 Nos. including tapping point	Kg	74.52	102.00	7601.04
12	Fish Plate 50x6 mm,2.36 Kg/Mtr.,each 0.280 mtr. Length	Kg	7.93	102.00	808.86
13	HT stay set complete	No.	2	1428.00	2856.00
14	11KV stay insulator	No.	2	68.00	136.00
15	7/10 SWG stay wire	Kg	20	102.00	2040.00
16	HT stay clamp	pair	2	170.00	340.00
17	Earthing Device coil type GI	No	2	225.76	451.52
18	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
19	Danger Board	No	2	108.80	217.60
20	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.602	102.00	61.40

21	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
22	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.407	102.00	245.51
23	GI Nuts, Bolts and washers of assorted size	Kg	10	106.08	1060.80
24	No. 6 GI wire(0.192 Kg/Mtr.) for main string	Kg	30	102.00	3060.00
25	No. 8 GI wire(0.131 Kg/Mtr.) for lashing	Kg	5.24	102.00	534.48
26	75X40x6 mm GI channel for straight cross arm @ 6.8 Kg/Mtr.(1.5 Mtr. Long ,4 Nos. channel)	Kg	40.8	102.00	4161.60
27	Eye Hook	No	4	81.60	326.40
28	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	2	1428.00	2856.00
29	50x6 mm GI Flat for earthing ,2.36 Kg/Mtr.	Kg	23.6	102.00	2407.20
30	Sundries	LS	1	1000.00	1000.00
					<b>74150.47</b>
<b>PART-II</b>	<b>Installation of 63 KVA 11/0.4KV sub station -1 No.</b>				
1	10 Mtr. Long 300 Kg PSC Pole	No	2	6120.00	12240.00
2	RCC Base Plate for PSC Pole (500x500x10 mm)	No	2	361.34	722.68
3	Earthing support coil type GI	No	2	225.76	451.52
4	8 SWG 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
5	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
6	Transformer mounting GI channel(100x50x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	K.g	51.52	102.00	5255.04
7	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
8	Transformer belting GI Angle(50x50x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	Kg.	31.5	102.00	3213.00
9	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
10	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
11	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

12	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3508.80
13	11 KV HW fitting (B&S)45 KN, 2 bolted	No	3	353.60	1060.80
14	11KV AB switch 3 pole(200 Amp, 50 Hz)	Set	1	9996.00	9996.00
15	11KV HG fuse 3 pole(200 Amp)with PI	Set	1	8323.00	8323.00
16	11 KV LA(9 KV, 5 KA)	No.	3	1332.80	3998.40
17	HT stay set (Complete)REC Construction standard	No.	4	1428.00	5712.00
18	HT stay Insulator, Type-C	No.	4	68.00	272.00
19	Stay clamp(1.9 Kg/Pair)	pair	4	170.00	680.00
20	7/10 SWG GI Saty wire, grade-2	Kg	40	102.00	4080.00
21	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	7	1428.00	9996.00
22	25x6 mm GI flat(Neutral)	Kg	10	102.00	1020.00
23	25x4 mm GI flat	Kg	60	102.00	6120.00
24	55 sq. mm AAAC for jumpering	Km	0.05	40800.00	2040.00
25	PG clamp for 55 sq. mm AAAC	No	3	652.80	1958.40
26	GI Nuts, Bolts and washers of assorted size	Kg	25	106.08	2652.00
27	63 KVA, 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	117640.00	117640.00
28	LT Distribution box with MCCB, Aluminium Bus bar for single bay with Kitkat Fuse for 63 KVA S/S	No	1	24917.92	24917.92
29	95 sq. mm 1 core LT XLPE Cable	Mtr.	40	199.92	7996.80
30	Danger Board	No.	2	108.80	217.60
31	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.612	102.00	62.42
32	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
33	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.448	102.00	249.70
34	Sundries (Paint, AI Binding tape & wire insulating tape, clamp connector ,jumpering materials, socket & other accessories etc.)	LS	1	1000.00	1000.00
	A.Sub Total Rs.				<b>251,243.45</b>
<b>PART-III</b>	<b>Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.175 Km</b>				
1	8 Mtr Long 200 KG PSC Pole	No	5	2720.00	13600.00
2	RCC Base plate for support	No	5	361.34	1806.70
3	3x50+1x35+1x16 sqmm XLPE AB Cable	Mtr.	183.75	190.40	34986.00
4	L.T Stay set (Complete )	Set	4	707.20	2828.80
5	L.T Stay Insulator	No.	4	40.80	163.20
6	L.T Stay Clamp(1.4 K.g/Pair)	Pair	4	149.60	598.40
7	7/12 SWG Stay Wire	Kg	28	102.00	2856.00
8	Pole clamp for eye Hook for XLPE cable	No	9	272.00	2448.00

9	Dead end clamp with Eye Hook	No	8	170.00	1360.00
10	Suspension clamp with I Hook	No.	1	462.40	462.40
11	Earthing Device coil type GI	No	5	225.76	1128.80
12	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	1.31	102.00	133.62
13	GI Nuts, Bolt and washer	Kg	3	106.08	318.24
14	Danger Board	No.	5	108.80	544.00
15	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	1.505	102.00	153.51
16	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	15	108.80	1632.00
17	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	6.018	102.00	613.84
18	Sundries (paint,clamp connectors, Binding tape)	LS	1	1000.00	1000.00
					66633.51
	<b>A.Sub Total Rs.</b>				<b>392,027.42</b>
B	Stock,storage and insurance (@3% on A)				<b>11760.82</b>
C	TOTAL RS.				<b>403788.24</b>
D	T&P @ 2% of C				<b>8075.76</b>
E	Contingency @ 3% of C				<b>12113.65</b>
F	Transportation @ 7.5% of C				<b>30284.12</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>38242.60</b>
H	TOTAL RS.				<b>492504.37</b>
19	Stay concreting in ratio(1:2:4)as per TPSODL specification and drawing =0.2 cum	Nos.	10	1329.77	13297.70
20	Concreting of 10 Mtr PSC Pole in ratio 1:1:5:3(500x500x1660mm)=0.415 cum+Couping in ratio 1:1:5:3=0.1125 Cum @6648.85	Nos.	4	3507.27	14029.08
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.	5	3241.31	16206.55
22	Construction of Boundary wall for fencing of DPM S/S in the size 5x4 Mtr. @ 7300.12/RM	Nos.	12	7300.12	87601.44

23	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	9	1600.00	14400.00
<b>Sub Total Rs.</b>					<b>638,039.14</b>
<b>Cess @ 1%</b>					<b>6,380.39</b>
<b>Total Estimated Cost</b>					<b>644,419.53</b>
<b>Total Estimated Cost in Figures</b>					<b>644,420.00</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)**