

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
 [Electrical Division]  
 Ph: 0674-2541545, 2542921, Fax: 0674-2541543  
 E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in

**PRICE BID FOR THE WORK UNDER SL. NO :- 07 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F TYPE QUARTERS AT MATHILI POLICE STATION IN THE DISTRICT OF MALKANGIRI.**

**BID REF NO.- 103/PM/ELECT/OPHWC/2023-24**

<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. 2023-24	AMOUNT IN RS.
<b>PART-I</b>	<b>HT INTERMEDIATE POLE-1 NO.</b>				
1	9 Mtr. Long 300 KG PSC Pole	No.	1	3900	3900.00
2	RCC Base Plate	No.	1	364	364.00
3	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1053.00	1053.00
4	Back clamp for 11 KV V Cross Arm	No.	1	104.00	104.00
5	Top Bracket 100x50x6 mm GI channel	No.	1	312.00	312.00
6	Danger Board	No.	1	104.00	104.00
7	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	0.3	97.50	29.25
8	GI barbed wire anticlimbing device	Kg	3	104.00	312.00
9	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.2	97.50	117.00
10	11KV Pin Insulator polymer	No.	3	260.00	780.00
11	Earthing support coil type	No	1	215.80	215.80
12	GI Nuts and Bolts of assorted size	Kg	1.5	101.40	152.10
13	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.26	97.50	25.35
A.Sub Total Rs.					<b>7,468.50</b>
<b>PART-II</b>	<b>LT 3ph 5 W line using 4x95+1x95+1X16 sqmm XLPE AB Cable-0.4 Km</b>				
1	8 Mtr. Long 200 KG PSC Pole(Including transportation cost to store)	No	10	2600.00	26000.00
2	4x95+1x95+1X16 sqmm LT XLPE AB Cable	Km	0.41	421677.76	173731.24
3	RCC Base Plate	No	10	364.00	3640.00
4	Danger Board	No.	10	104.00	1040.00
5	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	3.01	97.50	293.48
6	GI barbed wire anticlimbing device	Kg	30	104.00	3120.00
7	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	12.04	97.50	1173.90
8	Pole clamp for eye Hook for AB cable	Pair	10	260.00	2600.00
9	Suspension clamp with I Hook for ABC	No.	10	442.00	4420.00
10	Eye Hook for AB Cable for Dead end point	No.	4	65.00	260.00
11	Conductor Dead End clamp suitable for bare messenger XLPE Aerial bunched cable(25-70 sq. mm)	No.	4	162.50	650.00

12	L.T Stay set (Complete )	Set	5	676.00	3380.00
13	L.T Stay Insulator	No.	5	1365.00	6825.00
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	215.80	1079.00
15	7/12 SWG Stay Wire	Kg	50	97.50	4875.00
16	Earthing device coil type(GI)	No	10	215.80	2158.00
17	No.8 GI wire (Dia 4.6 mm )0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	2.62	97.50	255.45
18	End Cap for ABC Cable	EA	10	152.00	1520.00
19	GI Nuts and Bolts of assorted size	Kg	5	101.40	507.00
	C.Sub Total Rs.				<b>237,528.06</b>
	Salvage Value				<b>1,233.90</b>
					<b>236,294.16</b>
<b>PART-IV</b>	<b>100 KVA 11/0.4KV sub station -01 No.</b>				
1	100 KVA 11/0.4 KV Amorphus/CRGO core conventional type copper wound DTR with BIS Energy Level-II,Conventional DTR(CU)	No	1	197353.00	197353.00
2	LT Distribution box with MCCB, Aluminium Bus bar with Kitkat Fuse for 100 KVA S/S	No	1	31744.00	31744.00
3	11KV AB switch( 3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
4	9KV 10KA LA, Station class	No.	3	1300.00	3900.00
5	HG Fuse(11 KV,200 A , 3 Pole, 50 HZ) with PI	No	1	7956.00	7956.00
6	Cable 1.1 KV Al 1Cx150 sq. mm	Mtr.	32	362.70	11606.40
7	Gland for 1.1 KV Al 1Cx150 sq. mm	No	4	128.00	512.00
8	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.56K.g/mtr)	K.g	53.54	97.50	5220.15
9	AB switch mounting GI channel(75x40x4.8)mm,2.8mtr long 4 No(6.8Kg/mtr)	K.g	39.98	97.50	3898.05
10	HG fuse mounting GI channel(75x40x4.8)mm,2.8mtr long 4 No(7.14 Kg/mtr)	K.g	39.98	97.50	3898.05
11	AB switch Operating pipe channel support 75x40x4.8 mm GI(625 mm Long)(7.14 Kg/Mtr.)	Kg.	4.46	97.50	434.85
12	AB switch side support channel 75x40x4.8 mm GI(330 mm Long)(7.14 Kg/Mtr.)	Kg.	6.59	97.50	642.53
13	HG Fuse side support channel 75x40x4.8 mm GI(330 mm Long)(7.14 Kg/Mtr.)	Kg.	6.59	97.50	642.53
14	Cantilever support Channel 75x40x4.8mm GI channel(810 mm Long)(7.14 Kg/Mtr.)	Kg.	5.7834	97.50	563.88
15	AB switch Operating pipe Diagonal angle support 50x50x6 mm GI(388 mm Long)(4.5 Kg/Mtr.)	Kg.	1.746	97.50	170.24
16	AB switch Operating pipe Diagonal Base angle support 50x50x6 mm GI(340 mm Long)(4.5 Kg/Mtr.)	Kg.	1.53	97.50	149.18
17	Cantilever support angle 50x50x6 mm GI (1282 mm Long)(4.5 Kg/Mtr.)	Kg.	5.769	97.50	562.48
18	Angle for mounting LT Distribution Box (50x50x6)mm 1 mtr. Long 2 No.(4.5 Kg/Mtr.)	Kg.	4.5	97.50	438.75
19	Disc insulator 70 KN (B&S) Polymer	No.	3	1495.00	4485.00
20	11 KV HW fitting (B&S)3 bolted	No	3	455.00	1365.00
21	HT stay set (Complete)	No.	2	1365.00	2730.00
22	stay Insulator, Type-C	No.	2	65.00	130.00

23	Stay clamp	pair	2	162.50	325.00
24	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1950.00
25	50x6 mm GI flat for earthing	Kg	6	97.50	585.00
26	25x4 mm GI Flat(LA)	Kg	6	97.50	585.00
27	GI nut,bolt & washers	Kg	30	101.40	3042.00
28	Lug AL crimping 70 sq. mm for 7/8 SWG wire/earthing	EA	54	97.50	5265.00
29	Lug AL crimping 70 sq. mm XLPE one Hole	EA	8	17.71	141.68
30	40 mm nominal bore GI pipe (medium gauge)earthing device with 3 Mtr. Long	No	7	1365.00	9555.00
D.Sub Total Rs.					309405.75
Salvage Value					7623.73
					301782.02
A	<b>TOTAL MATERIAL COST</b>				<b>545,544.68</b>
B	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				<b>16,366.34</b>
C	<b>Sub Total (C=A+B)</b>				<b>561,911.02</b>
D	<b>Contingency @3% of C</b>				<b>16,857.33</b>
E	<b>T &amp; P 2% of C</b>				<b>11,238.22</b>
F	<b>Transportation @ 7.5% of C</b>				<b>42,143.33</b>
G	<b>Erection Charges for PSC Pole @ 20%</b>				<b>6,159.40</b>
H	<b>Erection Charges of DTR and Joist Poles @ 5%</b>				<b>9,771.06</b>
I	<b>Erection Charges of other @ 10%</b>				<b>33,569.29</b>
J	<b>Sub Total Rs.</b>				<b>681,649.65</b>
31	Cement concreting for stay anchor Plate in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum	Nos.	7	1235.58	8649.06
32	Concreting of Poles in ratio 1:1:5:3=0.375cum	Nos.	11	2400.00	26400.00
33	Couping of Poles in ratio 1:1:5:3,0.375 cum	Nos.	11	720.00	7920.00
34	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00

35	<p>Plinth :-</p> <p>1) Earth work for digging of foundation plinth = 2mtr x 2mtr x 0.9mtr = 3.6 cum</p> <p>2) Filling of foundation and plinth with sand, water &amp; rammed= 0.15mtr x 2mtr x 2mtr = 0.6 Cum</p> <p>3) CC (1:4:8) with 4cm size HBG Metal = 0.1 mtr x 2mtr x 2mtr=0.4 Cum</p> <p>4) RRHG stone machinery in coment mortor (1:6) in foundation plinth per 1 Cum</p> <p>(i) 0.65 mtr x 2mr x 2mtr = 2.5 Cum</p> <p>(ii) 1.4mtr x 1.8mtr x 1.8mtr = 4.54 Cum</p> <p>Total = 7.14 Cum</p> <p>5) CC (1:2:4) with 12mm size HBG chips= 0.1mtr x 1.8mtr x 1.8mtr = 0.32 Cum</p> <p>6) 8mm Rod= 1.8mtr x 13 x 2 = 46.8 mtr @0.39kg/mtr=6.8 x 0.39kg=,18.486 or 18.5 Kg</p> <p>7) 18mm thick cement plaster (1:6) over brick work &amp; stone work = 4x1.8x1.8+1.8x1.8= 12.96+3.24=16.2 sqft.</p>			1	29000.00	29000
36	<p>Fencing and sand &amp; metal spreading</p> <p>1) RCC Pillar of 6ft Long</p> <p>2) Cooping of Pillar with C.C 1:3:6 using 40mm HBG metal size</p> <p>3) GI barbed wire @ 6.044 mtr/kg 6 Nos run=40 ft x 6= 240 ft = 73.152 mtr =12.10 kg</p> <p>4) MS grill gate 1.5 mtr (h) x 1.5 mtr (w) made of 35x35x6 mm MS angel and 25x6 mm flat (Angel for out side border with horizontal &amp; vertical crossing for</p> <p>i) 35x35x6 mm MS Angel= 1.5 mtr x 4=6@3 Kg/mtr=18 Kg.</p> <p>ii) 25x6 mm flat=1.5 mtrx8x2=24 mtr @ 1.2 Kg/Mtr=28 Kg</p> <p>iii) Painting of gate with 2coat.</p> <p>5) Filling sand@ 1.359 Cmt</p> <p>6) 40mm size HBG metal @0.679 Cmt.</p>	No		1	16796.42	16796.42
	<b>Total Rs.</b>					<b>99,965.48</b>
	Total Estimated Cost					<b>781,615.13</b>
	Total Estimated Cost in Figures					<b>781,615.00</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/-  
Project Manager(Elect.)

Sd/-  
D.M (Elect) I/C