

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

**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 PIRAHAT POLICE STATION IN THE DISTRICT OF BHADRAK.**

**BID REF NO :- 50/PM/ELECT/OPHWC/2023-24**

**NAME &  
ADDRESS  
OF THE  
FIRM**

**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2022-23	AMOUNT IN RS.
<b>SCOPE [A]</b>	<b>Construction of 3 ph 3 wire 11 KV line using 100 Sq. mm AAAC-0.08 Km</b>				
<b>SCOPE [B]</b>	<b>Installation of 25 KVA(BIS Energy Level-II) 11/0.4KV DP mounted sub station - 1 No</b>				
<b>SCOPE [C]</b>	<b>Construction of 3 ph 4 wire LT line using 3X35+1X25 sq. mm XLPE AB Cable-0.26 Km</b>				
1	9 mtr Long PSC pole 300 kg	No.	10	3000.00	30000.00
2	11 KV F clamp	No.	1	240.00	240.00
3	11 KV Pin Insulator polymer	No.	10	200.00	2000.00
4	11 KV B&S Hardware (70KN)3 Bolted	set	15	350.00	5250.00
5	Disc insulator(B&S)70 KN Polymer	No	15	1150.00	17250.00
6	Pressure Channel 100X50X6mm,MS Channel ,2.8mtr. Long 2Nos.(9.2kg/mtr.)	Kg.	132.04	65	8582.60
7	Transformer mounting channel ,MS, 100x50x6mm 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	51.52	65	3348.80
8	A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)	Kg.	76.16	65.00	4950.40
9	Transformer belting Angle 50x50x6mm-2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr)	Kg	31.5	65	2047.50
10	Angle for mounting LT Distribution Box (50x50x6)mm MS Angle- 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	23.52	65	1528.80
11	Fish plate 50x6 mm ,2.36 Kg/Mtr.,each ,0.280 mtr.,length,06 nos. required	Kg	11.88	75	891.00
12	3Pole 11KV 200A AB switch	set	1	7350.00	7350.00
13	3Pole 11KV 200A HG fuse	set	1	6120.00	6120.00

14	Lightning arrester ,9 KV- 5KA	No.	3	980.00	2940.00
15	HT stay set complete	Set	5	1050.00	5250.00
16	HT Stay Insulator	No.	5	50.00	250.00
17	HT stay Clamp	Pair	5	125.00	625.00
18	7/10 SWG Stay wire	Kg	50	75.00	3750.00
19	GI Pipe earthing 40 mm dia medium gauge 3 Mtrs. Long	No	5	1050.00	5250.00
20	Material for Masonary work for earthpit,charcoal,salt etc., including construction of earthing chamber(size 2"x2") and RCC slab cover	Ls	5	1600.00	8000.00
21	No. 6/8 GI wire	Kg	11.406	75.00	855.45
22	25x5 mm GI flat for neutral earthing	Kg	12	75.00	900.00
23	55 sq. mm Insulated conductor	Km	0.018	75920.14	1366.56
24	100 sq. mm AAAC	Km	0.2472	55000.00	13596.00
25	Earthing support coil type	No.	2	166.00	332.00
26	Anticlimbing device made of GI Barbed wire , clamping arrangement(2 Kg per support)	Kg	21	80.00	1680.00
27	PG Clamp for 100 sq. mm AAAC	No	15	580.00	8700.00
28	Red Oxide paint	Ltr	20	150.00	3000.00
29	All. Paint	Ltr	20	200.00	4000.00
30	Black Paint	Ltr	5	220.00	1100.00
31	GI Nut bolt & washer	Kg	27	78.00	2106.00
32	25 KVA 11/0.4 KV (AL)Transformer(BIS Energy Level-II)	No.	1	53800.00	53800.00
33	LT distribution Box including kit-kat fuse with MCCB for25 KVA Transformer	No.	1	14930.00	14930.00
34	3.5 core 120 sq. mm PVC cable	Mtr	30	418.00	12540.00
35	All. Cable socket 120 sq. mm	No	12	22.00	264.00
36	3x35+1x25 sq. mm LT XLPE AB Cable	Km	0.26	108000.00	28080.00
37	LT stay set complete	No.	3	520.00	1560.00
38	7/12 SWG Stay wire	Kg	30	75.00	2250.00
39	LT stay clamp	No	3	110.00	330.00
40	LT Stay Insulator	No.	3	30.00	90.00
41	Earthing Materials	Ls	7	1890.00	13230.00
42	Dead end clamp	No.	4	65.00	260.00
43	Suspension clamp with eye Hook	No.	7	340.00	2380.00
44	Pole clamp for Eye Hook	Pair	9	200.00	1800.00
45	Neutral connector	No	9	40.00	360.00
46	Piercing Connector	No	27	80.00	2160.00
47	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	Ls	2	3000.00	6000.00
48	TOTAL MATERIAL COST				<b>293294.11</b>
49	Escalation @6%for 2019-20				<b>310891.76</b>
50	Escalation @6%for 2020-21				<b>329545.26</b>
51	Escalation @6%for 2021-22				<b>349317.98</b>
52	Escalation @6%for 2022-23				<b>370277.06</b>

<b>A</b>	Escalation @6%for 2023-24				<b>392493.68</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>11774.81</b>
<b>C</b>	Sub Total (C=A+B)				<b>404268.49</b>
<b>D</b>	Contingency @3% of C				<b>12128.05</b>
<b>E</b>	T & P 2% of C				<b>8085.37</b>
<b>F</b>	Transportation @ 7.5% of C				<b>30320.14</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				<b>8270.23</b>
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				<b>3707.82</b>
<b>I</b>	Erection Charges of other @ 10%				<b>28876.08</b>
<b>J</b>	Sub Total				<b>495656.19</b>
53	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:2:4)	No.	8	965.25	7722.00
54	Material cost for Concreting of PSC Pole1.8 Mtrx0.5 Mtr.x0.5 Mtr=0.45 cum(PCC 1:2:4)	No.	10	1872.00	18720.00
55	Sub -station Brick Boundary wall with 1 mtr. Gate & metal spreading	Ls	1	70000.00	70000.00
<b>K</b>	Total Estimated Cost				<b>592,098.19</b>
<b>L</b>	Total Estimated Cost in Figures				<b>592,098.00</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/-  
Asst. Project Manager (Elect) (Hqr)**

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