

**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 :- 04 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO FIRE STATION AND 6-F TYPE QTRS. AT TIHIDI FIRE STATION IN THE DIST. OF BHADRAK.**

**BID REF NO :- 75/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. 2018-19	AMOUNT IN RS.
<b>SCOPE [A]</b>	Construction of 3 ph 3 wire 11 KV line - 0.15 Km.				
<b>SCOPE [B]</b>	Installation of 63 KVA 11/0.4KV (BIS energy Level-II) sub station -1 No.				
<b>SCOPE [C]</b>	Construction of 3 Ph 5W LT Line-0.32 Km				
1	9 mtr Long 300 KG PSC Pole	No.	8	3000.00	24,000.00
2	11 mtr RS Joist pole(150x150)mm(34.6 Kg/Mtr.)	No.	5	24739.00	123,695.00
3	11 K.V. V cross arm	No.	2	<b>810.00</b>	1,620.00
4	11 KV F clamp	No.	3	240.00	720.00
5	Back clamp for V cross arm	No.	2	<b>80.00</b>	160.00
6	11 KV Pin Insulator porcelain(Polymer)	No.	16	200.00	3,200.00
7	11 KV B&S Hardware (70KN),3 Bolted	set	12	350.00	4,200.00
8	Disc insulator(B&S)70 KN,polymer	No	12	1150.00	13,800.00
9	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long 2 Nos. (9.2 K.g per mtr)	Kg	132.04	65.00	8,582.60
10	Transformer mounting channel 100x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	51.52	65.00	3,348.80
11	AB switch & HG Fuse,Mounting MS Channel (75x40x6)-2.8mtr long 2 nos(4.5 k.g per mtr)	Kg	76.16	65.00	4,950.40
12	Transformer belting angle 50x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	31.5	65.00	2,047.50

13	Angel for mounting LT distribution Box - 50x50x6 mm -2.5.0 mtrs each Long 2 Nos. (4.5 Kg per mtr)	Kg	23.52	65.00	1,528.80
14	Fish Plate -50x6 mm -2.36Kg/ mtrs each 0.280 mtr. Length, 6 Nos. required	Kg	11.88	75.00	891.00
15	3Pole 11KV 200A AB switch	set	1	7350.00	7,350.00
16	3Pole 11KV 200A HG Fuse with PI	set	1	6120.00	6,120.00
17	11 KV LA 9 KV-5 KA	No	3	980.00	2,940.00
18	HT stay set complete	Set	5	1050.00	5,250.00
19	HT Stay clamp	Pair	5	125.00	625.00
20	HT Stay Insulator	No.	5	50.00	250.00
21	7/10 SWG Stay wire	Kg	50	75.00	3,750.00
22	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	5	1050.00	5,250.00
23	Material for masonry work for earthpit, charcoal, salt etc. including construction of earth chamber(size 2"x2") and RCC slab Cover	Ls	5	1600.00	8,000.00
24	No. 6/8 GI wire	Kg	13.1	75.00	982.50
25	25x5 mm GI Flat for neutral earthing	Kg	12	75.00	900.00
26	55 sq. mm Insulated conductor	Km	0.4815	75920.14	36,555.55
27	Earthing of support coil type	No	3	166.00	498.00
28	Anticlimbing device made of GI barbed wire with clamping arrangement(2 Kg. per support)	Kg	27	80.00	2,160.00
29	PG Clamp for 100 sq. mm AAA conductor	No	12	580.00	6,960.00
30	Red Paint	Ltr	26	150.00	3,900.00
31	All. Paint	Ltr	26	200.00	5,200.00
32	Black Paint	Ltr	6.5	220.00	1,430.00
33	GI nut,bolt & washer	Kg	28.1	<b>78.00</b>	2,191.80
34	63 KVA 11/0.4 KV Transformer(BIS energy Level-II)	No.	1	86500.00	86,500.00
35	LT distribution Box including kit-kat fuse with MCCB for 63 KVA Transformer	No.	1	18322.00	18,322.00
36	185 sq. mm 3.5 core PVC Cable	Mtr.	30	635.00	19,050.00
37	All. Cable socket of 185 sq. mm	No	12	35.00	420.00
38	3x35+1x25 mm <sup>2</sup> AB cable	Km	0.32	108000.00	34,560.00
39	LT stay set	Set	3	520.00	1,560.00
40	7/12 SWG GI stay wire	Kg	30	75.00	2,250.00
41	LT stay insulator	No.	3	110.00	330.00
42	LT stay clamp	No.	3	30.00	90.00
43	Earthing materials	No.	8	1890.00	15,120.00
44	Dead end clamp	No.	4	65.00	260.00
45	Suspension clamp with I hook	No.	8	340.00	2,720.00
46	Pole clamp with I hook(ABC)	Ltr	10	200.00	2,000.00
47	Piercing connector	Ltr	30	80.00	2,400.00
48	Neutral connector	Ltr	10	40.00	400.00

49	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	Ls			
			2	3000.00	6,000.00
50	TOTAL MATERIAL COST				<b>485,038.95</b>
51	Escalation @6%for 2019-20				<b>514,141.28</b>
52	Escalation @6%for 2020-21				<b>544,989.76</b>
53	Escalation @6%for 2021-22				<b>577,689.15</b>
54	Escalation @6%for 2022-23				<b>612,350.50</b>
A	Escalation @6%for 2023-24				<b>649,091.53</b>
B	Stock, Storage & Insurance @ 3% of A				<b>19,472.75</b>
C	Sub Total (C=A+B)				<b>668,564.27</b>
D	Contingency @3% of C				<b>20,056.93</b>
E	T & P 2% of C				<b>13,371.29</b>
F	Transportation @ 7.5% of C				<b>50,142.32</b>
G	Erection Charges for PSC Pole @ 20%				<b>6,616.19</b>
H	Erection Charges of DTR and Joist Poles @ 5%				<b>14,486.35</b>
I	Erection Charges of other @ 10%				<b>34,575.64</b>
J	Sub Total				<b>807,812.99</b>
55	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	8	965.25	<b>7,722.00</b>
56	Material cost for Concreting of PSC Pole 1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.288 cum(PCC 1:3:6)	No	8	1872.00	<b>14,976.00</b>
57	Material cost for Concreting of Joist Pole 2.46 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	5	2558.40	<b>12,792.00</b>
58	Substation Fencing with metal spreading	No	1	41300.00	<b>41,300.00</b>
	Total Rs.				<b>884,602.99</b>
	Total Estimated Cost				<b>884,602.99</b>
	Total Estimated Cost in Figures				<b>884,603.00</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.)