

**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.com /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 REVISIONAL COURT BUILDING AT BHADRAK.**

**BID REF NO :- 31/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. 2018-19	AMOUNT IN RS.
<b>SCOPE [A]</b>	<b>Construction of 63 KVA (BIS energy Level-II) sub station -1 No.</b>				
<b>SCOPE [B]</b>	<b>11 Kv Single pole cut point-4 Nos., 11 KV single Line Pole-2 Nos. 3 Ph 3 W 11 KV Line -0.245 Km</b>				
<b>SCOPE [C]</b>	<b>3 Ph 5 w LT Line with 3x50+1x35+1x16 sq. mm XLPE AB cable-0.15 Km 1 Ph 2 W LT Line with 1x35+1x25 sq. mm LT XLPE AB Cable-0.17 Km</b>				
1	9 mtr Long 300 KG PSC Pole	No.	4	3000.00	12000.00
2	11 mtr RS Joist pole(150x150)mm(34.6 Kg/Mtr.)	No.	10	24739.00	247390.00
3	11 K.V. V cross arm	No.	2	<b>810.00</b>	1620.00
4	11 KV F clamp	No.	6	240.00	1440.00
5	Back clamp for V cross arm	No.	2	<b>80.00</b>	160.00
6	11 KV Pin Insulator (Polymer)	No.	32	200.00	6400.00
7	11 KV B&S Hardware fitting (70 KN)	set	30	350.00	10500.00
8	Disc insulator(B&S)70 KN,polymer	No	30	1150.00	34500.00
9	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long 2 Nos. (9.2 K.g per mtr)	Kg	339.2	65.00	22048
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	3348.8
11	AB switch & HG Fuse,Mounting MS Channel (75x40x6)-2.8mtr long 2 nos(4.5 k.g per mtr)	Kg	161.84	65.00	10519.6
12	Transformer belting angle 50x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	94.716	65.00	6156.54

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	1528.8
14	Fish Plate -50x6 mm -2.36Kg/ mtrs each 0.280 mtr. Length, 6 Nos. required	Kg	23.76	75.00	1782
15	3Pole 11KV 400A AB switch	set	1	7350.00	7350
16	3Pole 11KV 400A HG Fuse with PI	set	1	6120.00	6120
17	11 KV LA 12 KV-10 KA	No	3	1000.00	3000
18	HT stay set complete	Set	6	1050.00	6300
19	HT Stay clamp	Pair	6	125.00	750
20	HT Stay Insulator	No.	6	50.00	300
21	7/10 SWG Stay wire	Kg	60	75.00	4500
22	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	6	1050.00	6300
23	Material for masonry work for earthpit, charcoal, salt etc. including construction of earth chamber(size 2"x2") and RCC slab Cover	Ls	6	1600.00	9600
24	No. 6/8 GI wire	Kg	19.92	75.00	1494
25	25x5 mm GI Flat for neutral earthing	Kg	27	75.00	2025
26	55 sq. mm Insulated conductor	Km	0.018	75920.14	1366.56
27	11 KV 1 core ,100 sq. mm XLPE insulated AAA conductor(Unarmoured)	Km	0.76	90000.00	68134.50
28	Earthing of support coil type	No	6	166.00	996.00
29	Anticlimbing device made of GI barbed wire with clamping arrangement(2 Kg. per support)	Kg	29	80.00	2320.00
30	PG Clamp for 100 sq. mm AAA conductor	No	30	580.00	17400.00
31	Red Oxide Paint	Ltr	28	150.00	4200.00
32	All. Paint	Ltr	28	200.00	5600
33	Black Paint	Ltr	7	220.00	1540
34	GI nut,bolt & washer	Kg	59.19	<b>78.00</b>	4616.82
35	LT Distrubution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 63 KVA S/S.	No.	1	18322.00	18322
36	63 KVA 11/0.4 KV Transformer(BIS energy Level-II)	No.	1	86500.00	86500
37	1x35+1x25 sq. mm LT XLPE Aerial Bunched cable	Km	0.175	42000.00	7350.00
38	3x50+1x35+1x16 sq. mm LT XLPE Aerial Bunched cable	Km	0.155	140000.00	21700.00
39	LT stay set	Set	3	520.00	1560.00
40	7/12 SWG GI stay wire	Kg	30	75.00	2250.00
41	LT stay insulator	No.	3	110.00	330.00
42	LT stay clamp	No.	3	30.00	90.00
43	Earthing materials	No	4	1890.00	7560.00
44	Dead end clamp	No.	4	65.00	260.00

45	Suspension clamp with I hook for ABC	Pair	9	340.00	3060.00
46	Pole clamp for I hook(ABC)	No	11	200.00	2200.00
47	Piercing connector	No	33	80.00	2640.00
48	Neutral connector	No	11	40.00	440.00
49	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	ls	2	3000.00	6000.00
50	TOTAL MATERIAL COST				<b>673568.62</b>
51	Escalation @6%for 2019-20				<b>713982.74</b>
52	Escalation @6%for 2020-21				<b>756821.70</b>
53	Escalation @6%for 2021-22				<b>802231.01</b>
54	Escalation @6%for 2022-23				<b>850364.87</b>
55	Escalation @6%for 2023-24				<b>901386.76</b>
56	4 core AL pvc armoured size 25 sq. mm	Mtr.	30	212.40	<b>6,372.00</b>
A	Total Rs.				<b>907758.76</b>
B	Stock, Storage & Insurance @ 3% of A				<b>27232.76</b>
C	Sub Total (C=A+B)				<b>934991.52</b>
D	Contingency @3% of C				<b>28049.75</b>
E	T & P 2% of C				<b>18699.83</b>
F	Transportation @ 7.5% of C				<b>70124.36</b>
G	Erection Charges for PSC Pole @ 20%				<b>3308.10</b>
H	Erection Charges of DTR and Joist Poles @ 5%				<b>23011.24</b>
I	Erection Charges of other @ 10%				<b>45722.64</b>
J	Sub Total				<b>1,123,907.44</b>
K	Transportation + Labour cost of Dismatled materials(as per Estimate)				5,493.00
L	Total Rs.				<b>1,129,400.44</b>
M	Salvage Value of Dismantled material				<b>3,687.20</b>
N	Total Cost				<b>1,125,713.24</b>
57	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:2:4)	No	9	965.25	<b>8687.25</b>
58	Material cost for Concreting of Joist Pole 2.46 Mtrx0.4 Mtr.x0.4 Mtr=0.3936 cum(PCC 1:3:6)	No	10	2558.40	<b>25584.00</b>
59	Material cost for Concreting of PSC Pole 1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.288 cum(PCC 1:3:6)	No	4	1872.00	<b>7488.00</b>
60	Substation Brick Boundary wall with 1 Mtr. Gate and metal spreading	No	1	70000.00	<b>70000.00</b>
	Sub Total Rs.				<b>1237472.49</b>
	<b>SERVICE CONNECTION</b>				<b>452393.00</b>
1	3C x70 sq. mm 11 KV XLPE cable(Armoured)A2XFY	Mtr.	208	482.00	<b>100256.00</b>
2	Heat shrinkable jointing kit for 3Cx70 sq. mm 11 KV XLPE cable(outdoor type)	No	4	10949.00	<b>43796.00</b>
3	Cable laying in the cable trench with removable cover	Rmtr.	70	514.00	<b>35980.00</b>

4	150 mm dia GI pipe	Mtr.	12	850.00	<b>10200.00</b>
5	10 core 2.5 sq. mm cu control cable(Armoured)	Mtr.	20	330.00	<b>6600.00</b>
6	16 mm MS Bolt & Nuts with washer	Kg	10	78.00	<b>780.00</b>
7	All. Cable lug of different sizes	No	20	52.00	<b>1040.00</b>
8	40 mm dia earthing device 3 Mtr. Long	No	3	1050.00	<b>3150.00</b>
9	Earthing with materials	No	3	1890.00	<b>5670.00</b>
10	25x6 mm GI Flat	Kg	60	75.00	<b>4500.00</b>
11	No.8 SWG GI wire	Kg	5	75.00	<b>375.00</b>
12	All. Cable socket	No	8	52.00	<b>416.00</b>
13	Link clip	No	1	29.16	<b>29.16</b>
14	40 mm dia GI S/C bracket	No	1	532.15	<b>532.15</b>
15	Saundries	Ls	1	2000.00	<b>2000.00</b>
16	TOTAL MATERIAL COST				<b>215324.31</b>
17	Escalation @6%for 2019-20				<b>228243.77</b>
18	Escalation @6%for 2020-21				<b>241938.39</b>
19	Escalation @6%for 2021-22				<b>256454.70</b>
20	Escalation @6%for 2022-23				<b>271841.98</b>
A	Escalation @6%for 2023-24				<b>288152.50</b>
B	Stock, Storage & Insurance @ 3% of A				<b>8644.57</b>
C	Sub Total (C=A+B)				<b>296797.07</b>
D	Contingency @3% of C				<b>8903.91</b>
E	T & P 2% of C				<b>5935.94</b>
F	Transportation @ 7.5% of C				<b>22259.78</b>
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				<b>29679.71</b>
J	Sub Total				<b>363,576.42</b>
	Total Rs.				<b>1,601,048.91</b>
	Cess @ 1%				<b>16,010.49</b>
	Total Estimated Cost				<b>1,617,059.40</b>
	Total Estimated Cost in Figures				<b>1,617,059.00</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/-  
DM (Elect) I/C

Sd/-  
Project Manager(Elect.)