

**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 180 CAPACITY MALE WARD OF NEW SPECIAL SUB-JAIL BUILDING AT BHADRAK.**

**BID REF NO :- 66/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.
SCOPE [A]	Installation of 25 kVA S/S -1 No.				
SCOPE [B]	Construction of 11 KV OH line with 55 sq. mm Insulated cable -0.2 Km				
SCOPE [C]	Conversion of 11 KV 2 Ph 2W Line to 3 Ph 3W Line with 55 sq. mm AAA Conductor-0.7 Km.				
SCOPE [D]	Interposing Pole-7 No.				
SCOPE [E]	Road crossing Guarding-1 No.				
SCOPE [F]	Construction of 3 Ph 5W LT Line with 3x35+1x25+1x16 sq. mm AB Cable on 9 mtr. PSC Pole-0.4 Km				
SCOPE [G]	Replacement of 8 Mtr. PSC Pole to 9 Mtr. PSC Pole-8 Nos.				
SCOPE [H]	Dismantling of 11 KV Line with 8 Mtr. PSC Pole-6 Nos.				
SCOPE [I]	Dismantling of 2 Ph 34 sq. mm AAAC-0.7 km				
1	11 mtr Long 150x150 mm RS Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	7	28545.00	199,815.00
2	9 mtr Long 300 Kg PSC Pole	No.	11	3000.00	33,000.00
3	11 K.V. V cross arm	No.	5	810.00	4,050.00
4	11 KV F clamp	No.	6	240.00	1,440.00
5	Back clamp for V cross arm	No.	5	80.00	400.00
6	11 KV Pin Insulator polymer	No.	43	200.00	8,600.00
7	11 KV T&C Hardware (45KN)	set	18	130.00	2,340.00

8	Disc insulator(T&C)45 KN Polymer	No	18	290.00	5,220.00
9	100X50X6mm GI Channel 2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.	Kg	154.56	75.00	11,592.00
10	75x40x6mm GI angle, 2.8 mtr long (6.8K.g per mtr)with side angle	Kg	76.16	75.00	5,712.00
11	50x50x6 mm GI Angle each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	50.4	75.00	3,780.00
12	Fish Plate	Kg	12	75.00	900.00
13	40 mm Pipe earthing device	No	1	1050.00	1,050.00
14	Earthing Device material	No	1	1892.00	1,892.00
15	25x6 mm GI flat for earthing	Kg	15	75.00	1,125.00
16	No.6/8 GI wire(Dia 4.6 mm)	Kg	22	75.00	1,650.00
17	11 KV 55 sq. mm XLPE Insulated AAAC	Km	0.618	75920.00	46,918.56
18	55 sq. mm AAAC	Km	2.163	30000.00	64,890.00
19	PG clamp for 55 sq. mm AAA conductor	No	18	480.00	8,640.00
20	HT stay set complete	Pair	8	1050.00	8,400.00
21	HT Stay Insulator	No.	8	50.00	400.00
22	HT stay clamp	Pair	8	125.00	1,000.00
23	7/10 SWG Stay wire	Kg	80	75.00	6,000.00
24	Earthing Device coil type	No	18	166.00	2,988.00
25	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	94	80.00	7,520.00
26	GI nut,bolt & washer	Kg	60	78.00	4,680.00
27	Danger Plate	No	7	80.00	560.00
28	Road crossing Guarding	No	1	9348.31	9,348.31
29	Sundries	Ls	1	3000.00	3,000.00
30	TOTAL MATERIAL COST				<b>446,910.87</b>
31	Escalation @6%for 2019-20				<b>473,725.52</b>
32	Escalation @6%for 2020-21				<b>502,149.05</b>
33	Escalation @6%for 2021-22				<b>532,278.00</b>
34	Escalation @6%for 2022-23				<b>564,214.68</b>
<b>A</b>	Escalation @6%for 2023-24				<b>598,067.56</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>17,942.03</b>
<b>C</b>	Sub Total (C=A+B)				<b>616,009.58</b>
<b>D</b>	Contingency @3% of C				<b>18,480.29</b>
<b>E</b>	T & P 2% of C				<b>12,320.19</b>
<b>F</b>	Transportation @ 7.5% of C				<b>46,200.72</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				<b>9,097.26</b>
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				<b>13,770.97</b>

I	Erection Charges of other @ 10%				<b>29,510.38</b>
J	Sub Total				<b>745,389.39</b>
K	Transportation + Labour cost of Dismatled materials(as per Estimate)				4,958.00
L	Total Rs.				<b>750,347.39</b>
M	Salvage Value of Dismantled material				<b>2,282.28</b>
N	Total Cost				<b>748,065.11</b>
35	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	8	<b>965.00</b>	<b>7,720.00</b>
36	Material cost for Concreting of psc Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	11	<b>2369.00</b>	<b>26,059.00</b>
37	Material cost for Concreting of Joist Pole2.46 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	7	<b>2215.00</b>	<b>15,505.00</b>
	<b>Total Rs.</b>				<b>797,349.11</b>
	<b>INSTALLATION OF 25 KVA S/S.</b>				
1	11 mtr Long GI Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	2	28545.00	57,090.00
2	11 KV Pin Insulator polymer	No.	3	200.00	600.00
3	11 KV T&C Hardware (45KN)	set	3	130.00	390.00
4	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2,580.00
5	100X50X6mm GI Channel 2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.	Kg.	103.04	75	7,728.00
6	75x40x6mm GI angle, 2.8 mtr long (6.8K.g per mtr)with side angle	Kg	76.16	75	5,712.00
7	50x50x6 mm GI Angle each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	50.4	75	3,780.00
8	HT stay set complete	Pair	2	1325.60	2,100.00
9	HT Stay Insulator	No.	2	63.12	100.00
10	HT stay clamp	Pair	2	157.81	250.00
11	7/10 SWG Stay wire	Kg	20	94.69	1,500.00
12	Fish Plate	Kg	4	75.00	300.00
13	11 KV ,55 sq.mm XLPE insulated AAA conductor(Unarmoured)	Km	0.018	75920.00	1,366.56
14	25 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	53800.00	53,800.00
15	LT distribution Box with MCCB,Aluminium Bus bar of singe-bay with kit-kat fuse for 25 KVA Transformer	No.	1	14930.00	14,930.00

16	3Pole 11KV 200A AB switch	set	1	7350.00	7,350.00
17	3Pole 11KV 200A HG fuse	set	1	6120.00	6,120.00
18	Lightning arrestor ,12 KV- 10KA	No.	3	3550.00	10,650.00
19	PG clamp for 55 sq. mm AAA conductor	No	3	480.00	1,440.00
20	GI Pipe earthing 40 mm dia medium gauge 3 Mtrs. Long	No	5	1050.00	5,250.00
21	25x6 mm GI flat for earthing	Kg	12	75.00	900.00
22	No.6/8 GI wire(Dia 4.6 mm)	Kg	8	75.00	600.00
23	GI nut,bolt & washer	Kg	20	78.00	1,560.00
24	3.5 core 120 sq. mm LT PVC cable(unarmoured)	Mtr	30	418.00	12,540.00
25	Earthing Device coil type	Ls	2	166.00	332.00
26	Danger Plate	No	2	80.00	160.00
27	All. Cable socket	No.	12	52.00	624.00
28	Earthing materials	No.	5	1890.00	9,450.00
29	Sundries for survey, PVC Tape,Ampire Tape, Danger Board ,small size Nut & Bolt preparation of drawing cable socket etc.	Ls	1	2000.00	2,000.00
30	TOTAL MATERIAL COST				<b>211,202.56</b>
31	Escalation @6%for 2019-20				<b>223,874.71</b>
32	Escalation @6%for 2020-21				<b>237,307.20</b>
33	Escalation @6%for 2021-22				<b>251,545.63</b>
34	Escalation @6%for 2022-23				<b>266,638.37</b>
<b>A</b>	Escalation @6%for 2023-24				<b>282,636.67</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>8,479.10</b>
<b>C</b>	Sub Total (C=A+B)				<b>291,115.77</b>
<b>D</b>	Contingency @3% of C				<b>8,733.47</b>
<b>E</b>	T & P 2% of C				<b>5,822.32</b>
<b>F</b>	Transportation @ 7.5% of C				<b>21,833.68</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				<b>7,642.39</b>
<b>I</b>	Erection Charges of other @ 10%				<b>13,826.81</b>
<b>J</b>	Sub Total				<b>348,974.44</b>
35	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	2	<b>965.00</b>	<b>1,930.00</b>
36	Material cost for Concreting of Joist Pole2.46 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	2	<b>2215.00</b>	<b>4,430.00</b>

37	Barbed fencing with Grill gate,Metal & sand.	No	1	35000.00	35,000.00
	Sub total Rs.				390,334.44
	Construction of 3 Ph 5W LT Line with 3x35+1x25+1x16 sq. mm AB Cable on 9 mtr. PSC Pole-0.4 Km				
1	9 mtr Long 300 Kg PSC Pole	No	13	3000.00	39,000.00
2	3x35+1x25+1x16mm2 AB cable	Km	0.412	120000.00	49,440.00
3	Dead end clamp	No.	5	82.06	325.00
4	Suspension clamp with I hook	No.	11	429.24	3,740.00
5	Pole clamp with I hook(ABC)	Ltr	15	212.00	3,000.00
6	Insulated piercing connector.Type-A-main 16 to 95 sq.mm & Tap-16 to 95 sq.mm	No	41	80.00	3,280.00
7	Neutral connector.Type-B-main 35 to 70 sq.mm & Tap-2.5 to 10 sq.mm service cable over by black weather resistant insulation cover	No	14	33.00	462.00
8	LT stay set	Set	3	656.49	1,560.00
9	7/12 SWG GI stay wire	Kg	30	94.69	2,250.00
10	LT stay insulator	No.	3	138.87	330.00
11	LT stay clamp	No.	3	37.87	90.00
12	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	Ls	1	3000.00	3,000.00
13	TOTAL MATERIAL COST				106,477.00
14	Escalation @6%for 2019-20				112,865.62
15	Escalation @6%for 2020-21				119,637.56
16	Escalation @6%for 2021-22				126,815.81
17	Escalation @6%for 2022-23				134,424.76
A	Escalation @6%for 2023-24				142,490.24
B	Stock, Storage & Insurance @ 3% of A				4,274.71
C	Sub Total (C=A+B)				146,764.95
D	Contingency @3% of C				4,402.95
E	T & P 2% of C				2,935.30
F	Transportation @ 7.5% of C				11,007.37
G	Erection Charges for PSC Pole @ 20%				10,751.00
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				9,300.84
J	Sub Total				185,162.41

18	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	3	965.00	2,895.00
19	Material cost for Concreting of psc Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	13	2369.00	30,797.00
	<b>Total Rs.</b>				<b>218,854.41</b>
	Sub Total Rs.				<b>1,406,537.96</b>
	Cess @1%				<b>14,065.38</b>
	Total Estimated Cost				<b>1,420,603.34</b>
	Total Estimated Cost in Figures				<b>1,420,603.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> lease 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.)