

**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 :- 08 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-F TYPE QTRS. AT RUPSA POLICE STATION IN THE DIST. OF BALASORE.**

**BID REF NO :- 30/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 3 ph 3W 11 Kv Line - 0.35 Km.</b>				
1	150x150 mm 13 Mtr. Long GI Joist Pole(34.6 Kg/Mtr.)	No.	6	<b>33735.00</b>	202410.00
2	150x150 mm 11 Mtr. Long GI Joist Pole(34.6 Kg/Mtr.)Stud type stay	No.	1	<b>28545.00</b>	28545.00
3	11 K.V. V cross arm	No.	5	<b>810.00</b>	4050.00
4	11 KV F clamp	No.	5	240.00	1200.00
5	Back clamp for V cross arm	No.	5	<b>80.00</b>	400.00
6	11 KV Pin Insulator polymer	No.	18	200.00	3600.00
7	11 KV T&C Hardware (45KN)	set	12	<b>130.00</b>	1560.00
8	Disc insulator(T&C)45 KN Polymer	No	12	<b>860.00</b>	10320.00
9	PG Clamp for 100/55 sq. mm AAA Conductor	No	12	580.00	6960.00
10	HT Stay set complete	Set	2	1050.00	2100.00
11	7/10 SWG Stay wire	Kg	20	75.00	1500.00
12	HT Stay Insulator	No.	2	50.00	100.00
13	HT stay clamp	Pair	2	125.00	250.00
14	55 sq. mm Overhaed insulated Conductor	Km	1.082	75920.00	82107.48
15	100X50X6mm GI Channel(each 2.8 Mtr. Long (9.2 Kg/mtr.,)x2 Nos.)	Kg	103.04	75.00	7728.00
16	Earthing support coil type	No	6	166.00	996.00
17	Danger Plate	No	6	80.00	480.00
18	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	12	<b>80.00</b>	960.00
19	GI nut,bolt & washer	Kg	10	<b>78.00</b>	780.00
20	Road cross Guarding	No	2	<b>11031.00</b>	22062.00
21	Sundries	LS	1	3000.00	3000.00
22	TOTAL MATERIAL COST				<b>381108.48</b>
23	Escalation @6%for 2019-20				<b>403974.99</b>

24	Escalation @6%for 2020-21					<b>428213.49</b>
25	Escalation @6%for 2021-22					<b>453906.30</b>
26	Escalation @6%for 2022-23					<b>481140.68</b>
27	Escalation @6%for 2023-24					<b>510009.12</b>
<b>A</b>	Escalation @6%for 2024-25					<b>540609.66</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A					<b>16218.29</b>
<b>C</b>	Sub Total (C=A+B)					<b>556827.95</b>
<b>D</b>	Contingency @3% of C					<b>16704.84</b>
<b>E</b>	T & P 2% of C					<b>11136.56</b>
<b>F</b>	Transportation @ 7.5% of C					<b>41762.10</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%					
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%					<b>16872.13</b>
<b>I</b>	Erection Charges of other @ 10%					<b>21938.54</b>
<b>J</b>	Sub Total					<b>665242.12</b>
28	Material cost for Concreting of 13 Mtr. Joist pole 2.46 Mtrx0.4 Mtr.x0.4 Mtr=0.39 cum(PCC 1:3:6)	No	6	2558.40		<b>15350.40</b>
29	Material cost for Concreting of 11 Mtr. Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	1	2215.20		<b>2215.20</b>
30	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	2	965.00		<b>1930.00</b>
						<b>19495.60</b>
	<b>Total Rs.</b>					<b>6,84,737.72</b>
<b>SCOPE [B]</b>	<b>Construction of 25 KVA (BIS energy Level-II) sub station -1 No.</b>					
1	150x150 mm 11 Mtr. Long GI joist Pole	No.	2	<b>28545.00</b>		57090.00
2	11 KV Pin Insulator polymer	No.	3	200.00		600.00
3	11 KV T&C Hardware (45KN)	set	3	<b>130.00</b>		390.00
4	Disc insulator(T&C)45 KN Polymer	No	3	<b>860.00</b>		2580.00
5	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	103.04	75.00		7728.00
6	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	114.24	75.00		8568.00
7	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	50.4	75.00		3780.00
8	HT Stay set complete	Set	2	1050.00		2100.00
9	7/10 SWG Stay wire	Kg	20	75.00		1500.00
10	HT Stay Insulator	No.	2	50.00		100.00
11	HT stay clamp	Pair	2	125.00		250.00
12	55 sq. mm Overhaed insulated Conductor	Km	0.040	75920.00		3036.80

13	LT distribution Box with MCCB,Aluminium Bus bar of single-bay with kit-kat fuse for 25 KVA Transformer	No.	1	14930.00	14930.00
14	25 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	53800.00	53800.00
15	11 KV 3 pole 200 A AB switch	Set	1	7350.00	7350.00
16	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6120.00
17	Lightning arrester ,12 KV- 10KA	No	3	3550.00	10650.00
18	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5250.00
19	Earthing material	Ls	5	1890.00	9450.00
20	25x6 mm GI flat for body earthing	Kg	20	75.00	1500.00
21	50x6 mm GI flat for neutral earthing	Kg	20	75.00	1500.00
22	GI nut,bolt & washer	Kg	35	78.00	2730.00
23	3.5 core 50 sq. mm LT PVC cable(unarmoured)	Mtr	15	203.00	3045.00
24	Earthing support coil type	No	2	166.00	332.00
25	Danger Board	No	2	80.00	160.00
26	All. Cable socket	No	32	52.00	1664.00
27	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
28	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1	2000.00	2000.00
29	TOTAL MATERIAL COST				<b>208523.80</b>
30	Escalation @6%for 2019-20				<b>221035.23</b>
31	Escalation @6%for 2020-21				<b>234297.34</b>
32	Escalation @6%for 2021-22				<b>248355.18</b>
33	Escalation @6%for 2022-23				<b>263256.49</b>
34	Escalation @6%for 2023-24				<b>279051.88</b>
<b>A</b>	Escalation @6%for 2024-25				<b>295795.00</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>8873.85</b>
<b>C</b>	Sub Total (C=A+B)				<b>304668.85</b>
<b>D</b>	Contingency @3% of C				<b>9140.07</b>
<b>E</b>	T & P 2% of C				<b>6093.38</b>
<b>F</b>	Transportation @ 7.5% of C				<b>22850.16</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				<b>8100.93</b>
<b>I</b>	Erection Charges of other @ 10%				<b>14265.00</b>
<b>J</b>	Sub Total				<b>365118.38</b>
35	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	2	2215.20	<b>4430.40</b>

36	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	2	965.00	<b>1930.00</b>
37	Barbed Fencing with Grill gate ,metal and Sand.	LS	1	35000.00	<b>35000.00</b>
					<b>406478.78</b>
<b>III</b>	<b>LT LINE</b>				
1	9 mtr Long 300 KG PSC Pole	No.	7	3000.00	21000.00
2	AB cable(3x50+1x35+1x16) sq. mm	Km	0.2575	140000.00	36050.00
3	Dead end clamp	No.	2	65.00	130.00
4	Suspension clamp with I hook	No.	5	340.00	1700.00
5	Pole clamp with I hook(ABC)	Pair	7	200.00	1400.00
6	Insulated piercing connector.Type-A-main 16 to 95 sq.mm & Tap-16 to 95 sq.mm	No	12	80.00	960.00
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	4	33.00	132.00
8	LT Stay set complete	Set	2	520.00	1040.00
9	7/12 SWG GI stay wire	Kg	20	75.00	1500.00
10	LT stay insulator	No.	2	110.00	220.00
11	LT stay clamp	No.	2	30.00	60.00
12	Earthing support coil type	No.	7	166.00	1162.00
13	GI nut,bolt of assorted size	Kg	10	78.00	780.00
14	Sundries for survey, tree cutting , insulated tape,mceal compound etc.	LS	1	2000.00	2000.00
15	<b>Total Rs.</b>				<b>68134.00</b>
16	Escalation @6%for 2019-20				<b>72222.04</b>
17	Escalation @6%for 2020-21				<b>76555.36</b>
18	Escalation @6%for 2021-22				<b>81148.68</b>
19	Escalation @6%for 2022-23				<b>86017.61</b>
20	Escalation @6%for 2023-24				<b>91178.66</b>
<b>A</b>	Escalation @6%for 2024-25				<b>96649.38</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>2899.48</b>
<b>C</b>	Sub Total (C=A+B)				<b>99548.86</b>
<b>D</b>	Contingency @3% of C				<b>2986.47</b>
<b>E</b>	T & P 2% of C				<b>1990.98</b>
<b>F</b>	Transportation @ 7.5% of C				<b>7466.16</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				<b>6136.52</b>
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				
<b>I</b>	Erection Charges of other @ 10%				<b>6886.63</b>
<b>J</b>	Sub Total				<b>125015.62</b>
21	Material cost for Concreting of PSC Pole 1.8 Mtrx0.45 Mtr.x0.45 Mtr=0.36 cum(PCC 1:3:6)@6500	No	7	2369.00	<b>16583.00</b>

22	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:2:4)@4320	No	2	965.00	<b>1930.00</b>
	Total Rs.				<b>143528.62</b>
	Sub Total Rs.				<b>12,34,745.12</b>
	Cess @1%				<b>12,347.45</b>
	Total Estimated Cost				<b>12,47,092.57</b>
	Total Estimated Cost in Figures				<b>12,47,093.00</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/-  
D.M (Elect) I/C**

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