

**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 :- 20 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO RURAL POLICE STATION AT PATTAMUNDAI IN THE DIST. OF KENDRAPADA.**

**BID REF NO :- 30/PM/ELECT/OPHWC/2024-25**

**NAME &  
ADDRESS  
OF THE  
FIRM**

**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>I</b>	<b>CONSTRUCTION OF 11 KV LINE .</b>				
<b>A</b>	<b>11 KV CUT POINT WITH 90 DEGREE ANGLE</b>				
1	PSC Pole Clamp	No	1	104.00	104.00
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)	Kg	22.944	76.00	1743.74
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	5.2864	97.50	515.42
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	5.85072	76.00	444.65
5	11 KV pin insulator polymer	Set	4	260.00	1040.00
6	H W fitting(B&S) 70KN, 3Bolt	No.	3	455.00	1365.00
7	Disc insulator (B&S) 70 KN polymer	No.	3	1495.00	4485.00
8	PG Clamp for 55 sq. mm AAA Conductor	EA	3	624.00	1872.00
9	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	1	162.50	162.50
10	HT Stay Set (Complete)	Set	1	1365.00	1365.00
11	HT Stay Insulator	No.	1	65.00	65.00
12	7/10 SWG Stay Wire , 15 Kg/stay	KG	15	97.50	1462.50
13	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	7.433	101.40	753.71
<b>A</b>	<b>A. Sub total</b>				<b>15,378.53</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>461.36</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>15,839.88</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>253.86</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>475.20</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>1,187.99</b>
	<b>Erection Charges @ 5% on poles</b>				
<b>G</b>	<b>Erection Charges @ 10%</b>				<b>1,269.32</b>
<b>H</b>	<b>Total</b>				<b>19,026.25</b>

14	Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5) Stay clamps with Nuts & bolts, including excavation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	No	1	2250.00	2250.00
<b>Total Material + Services Cost</b>					<b>21,276.25</b>
<b>B</b>	<b>11 KV PIN POINTS WITH PSC</b>				
1	9 Mtr. Long 300 KG PSC Pole	No	1	3900.00	3900.00
2	PSC Pole V Cross Arm Back Clamp	No	1	104.00	104.00
3	11 KV V cross arm	No	1	1053.00	1053.00
4	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	1	195.00	195.00
5	Danger plate	No	1	104.00	104.00
6	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.3	97.50	29.25
7	GI barbed wire/Anticlimbing device	No	3	104.00	312.00
8	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	1.2	97.50	117.00
9	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	3	260.00	780.00
10	Earthing of Support ( Coil Type )	No	1	215.80	215.80
11	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.26	97.50	25.35
12	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	1.45	101.40	147.03
13	55 SQ. MM AAAC	Km	0.17	39000.00	6630.00
14	Yellow colour paint for Background	Ltr	2	216.00	432.00
15	Black colour paint for numbering	Ltr	1	286.00	286.00
<b>A</b>	<b>A. Sub total</b>				<b>14,330.43</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>429.91</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>14,760.34</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>295.18</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>442.81</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>1,107.03</b>
	<b>Erection Charges @ 20% on poles</b>				<b>803.40</b>
<b>G</b>	<b>Erection Charges @ 10%</b>				<b>1,074.20</b>
<b>H</b>	<b>Total</b>				<b>18,482.96</b>
16	Couping Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cum	0.375	6500.00	2437.50
<b>Total Material + Services Cost (J+K)</b>					<b>20,920.46</b>
<b>II</b>	<b>INSTALLATION OF 63 KVA S/S.</b>				
1	9 Mtr Long 300 KG PSC Pole	No	2	3900.00	7800.00
2	PSC Pole Clamp	No	14	104.00	1,456.00

3	Top channel GI 100x50x6 mm (9.56 kg/Mtr.,2 Nos.)Each channel length 3000 mm Long	Kg	57.36	76.00	4359.36
4	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	97.50	386.57
5	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84
6	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	76.00	508.44
7	Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.	Kg	5.711	76.00	434.04
8	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long ) (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84
9	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	76.00	879.32
10	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	76.00	877.04
11	Transformer Base GI Channel 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	Kg	57.36	76.00	4359.36
12	Transformer Base Support GI Channel 100 X 50 X 6 MM (515 mm long) (9.56Kg./Mtr, 2 No's) (Each 2x0.515x9.56= 9.85Kg)	Kg	9.85	76.00	748.60
13	Transformer Belting Angle 50 X 50 X 6MM GI (3000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x3.0x4.5 Kg)	Kg	27	76.00	2052.00
14	Transformer Belting Support Angle 50 X 50 X 6MM GI (580 mm long)(4.5Kg./Mtr,2 No's) (Each 2x0.580x4.5= Kg)	Kg	5.22	76.00	396.72
15	LTDB Mounting Angle 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x1x4.5 Kg)	Kg	9	76.00	684.00
16	50x6mm GI Flat for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For L.A and 2.5 Mtr for raising, 11 Mtr. For AB Switch ,2.8 Mtr. for HG Fuse, 5x2 Mtr. For DTR neutral,(13-4.5)mtr. For DTR Body, 0.500 Mtr. For LTDB & AB switch operating handle, 3 Mtr. for fencing. )	Kg	154.816	97.50	15094.56
17	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	112450.00	112450.00
18	LT Distrubution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 63 KVA S/S.	No	1	23818.60	23818.60
19	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
20	4Cx95 sq. mm LT XLPE cable	Mtr	15	479.61	7194.15
21	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
22	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
23	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
24	11 KV Disc insulator polymer type 70 KN	No	3	1495.00	4485.00
25	11 KV H/W fitting polymer type	Pair	3	455.00	1365.00
26	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
27	11 KV Pin Insulator polymer type	No	3	260.00	780.00
28	HT Stay Set (Complete)	Set	2	1365.00	2730.00
29	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	162.50	325.00
30	HT Stay Insulator	No.	2	65.00	130.00
31	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	97.50	2925.00
32	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00

33	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
34	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
35	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	97.50	234.70
36	Danger plate	Kg	2	104.00	208.00
37	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	97.50	58.68
38	Name Plate	No	1	104.00	104.00
39	Yellow colour paint for Background	Ltr	2	216.00	432.00
40	Black colour paint for numbering	Ltr	1	286.00	286.00
A	<b>A. Sub total</b>				<b>2,54,649.81</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>7,639.49</b>
C	<b>Sub Total (C=A+B)</b>				<b>2,62,289.31</b>
D	<b>T&amp;P @ 2% of C</b>				<b>4,774.88</b>
E	<b>Contigency @ 3% of C</b>				<b>7,868.68</b>
F	<b>Transportation @ 7.5% of C</b>				<b>19,671.70</b>
G	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				<b>5,791.18</b>
H	<b>Erection Charges @ 20% on PSC Poles</b>				<b>1,606.80</b>
I	<b>Erection Charges @ 10% for other materials</b>				<b>11,488.69</b>
J	<b>Total</b>				<b>3,13,491.23</b>
41	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.75	6500.00	4875.00
42	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2250.00	4,500.00
43	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	7	3700.00	25,900.00
44	Laying of 4Cx95 sq. mm LT XLPE cable	Mtr	50	46.80	2,340.00
45	Supply and erection of GI Fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
					91,615.00
	<b>Sub total Rs</b>				<b>4,05,106.23</b>
	Total Rs.				<b>4,47,302.94</b>
	Cess @ 1%				<b>4473.03</b>
	Total Estimated Cost				<b>4,51,775.97</b>
	Total Estimated Cost in Figures				<b>4,51,776.00</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/-  
Project Manager(Elect.)

Sd/-  
DM I/C (Elect)