

**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 :- 02 AS PER IFB**

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

**BID REF NO :-31/PM/ELECT/OPHWC/2024-25**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>I</b>	<b>UPGRADATION OF S/S FROM 25 KVA TO 63 KVA.</b>				
1	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	112450.00	112450.00
2	LT Distribution Box with MCCB, Aluminium Busbar of single Bay with kit kat fuse for 63 KVA S/S	No	1	23818.60	23818.60
3	55mm <sup>2</sup> All Alloy Aluminum Conductor (AAAC) - PVC Insulated (50 Mtr. Each Dtr.)	Mtr	50	55.24	2762.00
4	4 Cx95 mm <sup>2</sup> LT XLPE Cable(Armoured) - FOR 63 KVA Trf.	Mtr	15	479.61	7194.15
5	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
6	GI Nut, Bolt & washers of different sizes	Kg	15	101.40	1521.00
7	Name Plate	No	1	104.00	104.00
8	Yellow colour paint for Background	Ltr	2	216.00	432.00
9	Black colour paint for numbering	Ltr	1	286.00	286.00
<b>A</b>	<b>A. Sub total</b>				<b>158,122.75</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>4,743.68</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>162,866.43</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>2,912.30</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>4,885.99</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>12,214.98</b>
<b>G</b>	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				<b>5791.18</b>
<b>H</b>	<b>Erection Charges @ 20% on PSC Poles</b>				
<b>I</b>	<b>Erection Charges @ 10% for other materials</b>				<b>2,979.00</b>
<b>J</b>	<b>Total</b>				<b>191,649.89</b>

10	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
11	Laying of 4Cx95 sq. mm LT XLPE cable	Mtr	15	46.80	702.00
12	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
					80,602.00
				Sub total Rs	272,251.89
II	<b>Construction of LT Line using 3X50+1x35+1x16 sq. mm LT AB Cable- -0.21 Km.</b>				
1	9 Mtr Long 300 KG PSC Pole	No	7	3900.00	27,300.00
2	LT stay set complete	Set	3	676.00	2,028.00
3	7/12 SWG GI stay wire, Grade-2	Kg	36	97.50	3,510.00
4	LT stay clamp	Pair	3	143.00	429.00
5	LT stay set Insulator	No	3	39.00	117.00
	<b>LT Accessories with Eye Hook and Clamp</b>				
6	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	10	260.00	2,600.00
7	Eye Hook for XLPE Aerial Bunched Cable	No	6	78.00	468.00
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25-70 sqmm)	No	6	84.50	507.00
9	Suspension clamp with Eye hook for ABC(25-70 sq. mm)	Pair	4	442.00	1,768.00
10	3X50+1x35+1x16 sq. mm LT Aerial Bunched Cable	Mtr	220.5	182.00	40,131.00
11	Insulated Piercing connector Type-A -main 50 to 150 sq. mm & Tap 50 to 150 sq. mm	No	3	113.08	339.24
12	Pipe earthing (Each 5th pole to earth)	No	1	1365.00	1,365.00
13	Coil Earthing	No	6	215.80	1,294.80
14	No-8 GI wire (Dia-4.6mm)	Kg	1.834	97.50	178.82
15	Danger plate (LT)	No	7	104.00	728.00
16	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	2.11	97.5	205.73
17	GI barbed wire/Anticlimbing device 3 kg per support	Kg	21	104	2184.00
18	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	8.43	97.5	821.93
19	GI Nut, Bolt & washers of different sizes	Kg	3.5	101.40	354.90
20	Yellow colour paint for Background	Ltr	14	216.00	3,024.00
21	Black paint	Ltr	7	286.00	2,002.00
A	<b>TOTAL MATERIAL COST</b>				<b>91,356.41</b>
B	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				<b>2,740.69</b>
C	<b>Sub Total (C=A+B)</b>				<b>94,097.10</b>
D	<b>Contingency @3% of C</b>				<b>2,822.91</b>
E	<b>T &amp; P 2% of C</b>				<b>1,812.03</b>
F	<b>Transportation @ 7.5% of C</b>				<b>7,057.28</b>

<b>G</b>	<b>Erection Charges for PSC Pole @ 20%</b>				5,623.80
<b>H</b>	<b>Erection Charges of DTR and Joist Poles @ 5%</b>				
<b>I</b>	<b>Erection Charges of other @ 10%</b>				5,830.48
<b>J</b>	<b>Sub Total Rs.</b>				<b>117,243.60</b>
<b>Civil and Services Works (As per Technical Specification)</b>					
22	Fixing of LT 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 0.5 cum cement concrete foundation 1:2:4 size(500x500x800mm)using 20 mm BHG metal with all Labour and material(Excavation of earth will be done of size500x500x1500mm)	No	3	2250	6750
23	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	2.625	6500.00	17,062.50
24	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	1	3700.00	3,700.00
<b>K</b>	<b>Total Services Cost</b>				<b>27,512.50</b>
	<b>Total Material + Services Cost (J+K)</b>				<b>144,756.10</b>
	Total Rs.				<b>417,007.99</b>
	Cess @ 1%				<b>4,170.08</b>
	Total Estimated Cost				<b>421,178.07</b>
	Total Estimated Cost in Figures				<b>421,178.00</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)