

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**

**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**

**[Electrical Division]**

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**E-mail :- pmelectricalophwc2021@gmail.com, Website: 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 6-F TYPE QUARTERS AND FIRE STATION BUILDING AT ATHAMALLICK IN THE DISTRICT OF ANGUL.**

**BID REF NO :- 102/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.	AMOUNT IN RS.
<b>I</b>	<b>UPGRADATION OF 25 KVA S/S TO 63 KVA S/S.</b>				
1	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	Kg	40	97.50	3900.00
2	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	112450.00	112450.00
3	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
4	4Cx95 sq. mm LT XLPE cable	Mtr	15	479.61	7194.15
5	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
6	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
7	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
8	GI Pipe for earthing 40mm dia 3mtr long	No	2	1365.00	2730.00
9	GI Nut, Bolt & washers of different sizes	Kg	5	101.40	507.00
<b>A</b>	<b>A. Sub total</b>				<b>181,955.75</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>5,458.67</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>187,414.42</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>3,604.41</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>5,622.43</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>14,056.08</b>
<b>G</b>	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				<b>5,791.18</b>
<b>H</b>	<b>Erection Charges @ 20% on PSC Poles</b>				
<b>I</b>	<b>Erection Charges @ 10% for other materials</b>				<b>6,136.00</b>
<b>J</b>	<b>Total</b>				<b>222,624.53</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	2	3700.00	7,400.00
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
					62,102.00
				Sub total Rs	284,726.53
13	Labour charges for Dismantling of 25 KVA S/S and transportation from site to store	No	1	5000.00	5,000.00
	<b>Total Rs.</b>				<b>289,726.53</b>
<b>III</b>	<b>Construction of LT Line using 3x50+1x35 sq. mm LT AB Cable- -0.3 Km.</b>				
1	9 Mtr Long 300 KG PSC Pole	No	8	3900.00	31,200.00
2	LT stay set complete	Set	4	676.00	2,704.00
3	7/12 SWG GI stay wire, Grade-2	Kg	48	97.50	4,680.00
4	LT stay clamp	Pair	4	143.00	572.00
5	LT stay set Insulator	No	4	39.00	156.00
6	<b>LT Accessories with Eye Hook and Clamp</b>				
7	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	9	260.00	2,340.00
8	Eye Hook for XLPE Aerial Bunched Cable	No	6	78.00	468.00
9	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	6	84.50	507.00
10	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	3	442.00	1,326.00
11	3x50+1x35 sq. mm LT Aerial Bunched Cable	Mtr	315	169.00	53,235.00
12	Insulated Piercing connector ,Type-A main 50-150 sq. mm & Tap-50 to 150 sq. mm	No	5	113.08	508.86
13	Pipe earthing	No	2	1365.00	2,730.00
14	Coil Earthing	No	6	215.80	1,294.80
15	No-8 GI wire (Dia-4.6mm)	Kg	2.096	97.50	204.36
16	Danger plate (LT)	No	8	104.00	832.00
17	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	2.41	97.5	234.98
18	GI barbed wire/Anticlimbing device 3 kg per support	Kg	24	104	2496.00
19	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	9.63	97.5	938.93
20	GI Nut, Bolt & washers of different sizes	Kg	4	101.40	405.60
21	Yellow colour paint for Background	Ltr	16	216.00	3,456.00
22	Black paint	Ltr	8	286.00	2,288.00
<b>A</b>	<b>TOTAL MATERIAL COST</b>				<b>112,577.52</b>
<b>B</b>	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				<b>3,377.33</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>115,954.85</b>
<b>D</b>	<b>Contingency @3% of C</b>				<b>3,478.65</b>
<b>E</b>	<b>T &amp; P 2% of C</b>				<b>2,319.09</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>8,696.61</b>
<b>G</b>	<b>Erection Charges for PSC Pole @ 20%</b>				<b>6,427.20</b>

<b>H</b>	<b>Erection Charges of Joist Poles @ 5%</b>				
<b>I</b>	<b>Erection Charges of other @ 10%</b>				7,265.12
<b>J</b>	<b>Sub Total Rs.</b>				<b>144,141.51</b>
<b>Civil and Services Works (As per Technical Specification)</b>					
23	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	4	2250	9000.00
24	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	3	6500.00	19,500.00
25	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	2	3700.00	7,400.00
<b>K</b>	<b>Total Services Cost</b>				<b>35,900.00</b>
<b>Total Material + Services Cost (J+K)</b>					<b>180,041.51</b>
Total Estimated Cost					<b>469,768.04</b>
Total Estimated Cost in Figures					<b>469,768.00</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.)