

**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 :- 03 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-E AND 6-F TYPE QUARTERS AT CFO KANIKA CHHAK, CUTTACK.**

**BID REF NO :- 102/PM/ELECT/OPHWC/2023-24**

<b>SCHEDULE OF WORKS</b>					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>PART-A</b>					
<b>I</b>	<b>CONSTRUCTION OF 11 KV LINE-0.3 KM .</b>				
<b>A</b>	<b>11 KV PIN POINTS WITH WPB</b>				
<b>1</b>	80 sq. mm AAAC	Km	0.927	55900.00	51819.30
<b>A</b>	<b>A. Sub total</b>				<b>51,819.30</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>1,554.58</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>53,373.88</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>1,067.48</b>
<b>E</b>	<b>Contigency @ 3% of C</b>				<b>1,601.22</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>4,003.04</b>
		<b>Erection Charges @ 5% on poles</b>			
<b>G</b>	<b>Erection Charges @ 10%</b>				<b>5,337.39</b>
<b>H</b>	<b>Total</b>				<b>65,383.00</b>
<b>II</b>	<b>INSTALLATION OF 100 KVA S/S</b>				
<b>1</b>	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	110.58	97.50	10781.55
<b>2</b>	100 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	152100.00	152100.00
<b>3</b>	LT Distribution Box with MCCB, Aluminium Busbar of 2 Bay with kit kat fuse for 100 KVA S/S	No	1	31744.70	31744.70
<b>4</b>	55mm <sup>2</sup> All Alloy Aluminum Conductor (AAAC) - PVC Insulated (50 Mtr. Each Dtr.)	Mtr	50	55.24	2762.00

5	4 Cx150 mm <sup>2</sup> LT XLPE Cable(Armoured) - FOR 100 KVA Trf.	Mtr	15	824.01	12360.15
6	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
7	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
8	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
9	Disc insulator (B&S)70 KN polymer	No	3	1495.00	4485.00
10	H W fitting (B&S)70KN(3bolted)	Pair	3	455.00	1365.00
11	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
12	11 KV Pin Insulator polymer type	No	3	260.00	780.00
13	GI Pipe for earthing 40mm dia 3mtr long	No	5	1365.00	6825.00
14	GI Nut, Bolt & washers of different sizes	Kg	10	101.40	1014.00
15	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
16	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
17	Danger plate	Kg	2	104.00	208.00
18	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
19	Name Plate	No	1	104.00	104.00
20	Yellow colour paint for Background	Ltr	2	216.00	432.00
21	Black colour paint for numbering	Ltr	1	286.00	286.00
A	<b>A. Sub total</b>				<b>261,264.78</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>7,837.94</b>
C	<b>Sub Total (C=A+B)</b>				<b>269,102.72</b>
D	<b>T&amp;P @ 2% of C</b>				<b>5,134.85</b>
E	<b>Contingency @ 3% of C</b>				<b>8,073.08</b>
F	<b>Transportation @ 7.5% of C</b>				<b>20,182.70</b>
G	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				<b>7833.15</b>
H	<b>Erection Charges @ 20% on PSC Poles</b>				
I	<b>Erection Charges @ 10% for other materials</b>				<b>9,267.90</b>
J	<b>Total</b>				<b>319,594.41</b>
22	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	5	3700.00	18,500.00
23	Laying of 4Cx150 sq. mm LT XLPE cable	Mtr	15	72.00	1,080.00
24	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
25	LT DB Plinth	No	1	3000.00	3000.00
26	DTR Plinth	No	1	25000.00	25000.00
					101,580.00
	<b>Sub total Rs</b>				<b>421,174.41</b>
III	<b>Construction of LT Line using 4x50+1x50+1X16 sq. mm LT AB Cable- -0.25 Km.</b>				

1	9 Mtr Long 300 KG PSC Pole	No	8	3900.00	31,200.00
2	LT stay set complete	Set	7	676.00	4,732.00
3	7/12 SWG GI stay wire, Grade-2	Kg	84	97.50	8,190.00
4	LT stay clamp	Pair	7	143.00	1,001.00
5	LT stay set Insulator	No	7	39.00	273.00
	<b>LT Accessories with Eye Hook and Clamp</b>				
6	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	8	260.00	2,080.00
7	Eye Hook for XLPE Aerial Bunched Cable	No	8	78.00	624.00
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25-70 sqmm)	No	8	84.50	676.00
9	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	4	442.00	1,768.00
10	4 Cx50(P)+1Cx50(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	262.5	226.00	59,325.00
11	Coil Earthing	No	8	215.80	1,726.40
12	No-8 GI wire (Dia-4.6mm)	Kg	2.096	97.50	204.36
13	Danger plate (LT)	No	8	104.00	832.00
14	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
15	GI barbed wire/Anticlimbing device 3 kg per support	Kg	24	104	2496.00
16	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
17	GI Nut, Bolt & washers of different sizes	Kg	4	101.40	405.60
18	Yellow colour paint for Background	Ltr	16	216.00	3,456.00
19	Black paint	Ltr	8	286.00	2,288.00
A	<b>TOTAL MATERIAL COST</b>				<b>122,451.26</b>
B	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				<b>3,673.54</b>
C	<b>Sub Total (C=A+B)</b>				<b>126,124.80</b>
D	<b>Contingency @3% of C</b>				<b>3,783.74</b>
E	<b>T &amp; P 2% of C</b>				<b>2,522.49</b>
F	<b>Transportation @ 7.5% of C</b>				<b>9,459.36</b>
G	<b>Erection Charges for PSC Pole @ 20%</b>				<b>6,427.20</b>
H	<b>Erection Charges of DTR and Joist Poles @ 5%</b>				
I	<b>Erection Charges of other @ 10%</b>				<b>7,936.65</b>
J	<b>Sub Total Rs.</b>				<b>156,254.24</b>

**Civil and Services Works (As per Technical Specification)**

20	<b>Fixing of LT complete stay set includes(1) Turn Buckle assembly(2)Stay Rod &amp; stay Plate(3)Stay Insulator(4)Stay Wire(5)stay Clamps with Nuts &amp; 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)</b>	No	7	2250	15750
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21	<b>Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr</b>	<b>Cu.Mtr</b>	<b>3</b>	<b>6500.00</b>	<b>19,500.00</b>
<b>K</b>	<b>Total Services Cost</b>				<b>35,250.00</b>
	<b>Total Material + Services Cost (J+K)</b>				<b>191,504.24</b>
	Total Estimated Cost				<b>678,061.65</b>
	Total Estimated Cost in Figures				<b>678,062.00</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.)**