

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
**[Electrical Division]**  
**Ph: 0674-2541545, 2542921, Fax: 0674-2541543**  
**E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in**

**PRICE BID FOR THE WORK UNDER SL. NO :- 06 AS PER IFB**

**NAME OF THE WORK :- SHIFTING AND RECONSTRUCTION OF 11 K.V LINE PRESENT INSIDE THE PREMISES OF DHENKANAL BUS STAND IN THE DISTRICT OF DHENKANAL.**

**BID REF NO :- 94/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>CONSTRUCTION OF 11 KV LINE .</b>				
<b>A</b>	<b>11 KV CUT POINT WITH 180 DEGREE ANGLE</b>				
<b>1</b>	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	29661.00	29661.00
<b>2</b>	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
<b>3</b>	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	5.2864	97.50	515.42
<b>4</b>	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
<b>5</b>	Danger plate	No	1	104.00	104.00
<b>6</b>	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.3009	97.50	29.34
<b>7</b>	GI barbed wire/Anticlimbing device	No	3	104.00	312.00
<b>8</b>	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	1.2036	97.50	117.35
<b>9</b>	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	3	260.00	780.00
<b>10</b>	H W fitting(B&S) 70KN, 3Bolt	No.	6	455.00	2730.00
<b>11</b>	Disc insulator (B&S) 70 KN polymer	No.	6	1495.00	8970.00
<b>12</b>	Non metallic ties 11 KV(for covered conductor)	No	3	251.00	753.00
<b>13</b>	IPC for99 sq. mm AAAC covered conductor	No	6	371.00	2226.00
<b>14</b>	Spike(GI) using 50x6 mm GI flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	Set	2	332.00	664.00
<b>15</b>	Earthing of Support ( Coil Type )	No	1	215.80	215.80
<b>16</b>	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	97.50	25.55
<b>17</b>	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	3.55	101.40	359.97
<b>18</b>	Yellow colour paint for Background	Ltr	2	216.00	432.00
<b>19</b>	Black colour paint for numbering	Ltr	0.5	286.00	143.00

A	A. Sub total				50,226.83
B	B. Stock, Storage & Insurance @ 3% of A				1,506.80
C	Sub Total (C=A+B)				51,733.63
D	T&P @ 2% of C				1,034.67
E	Contingency @ 3% of C				1,552.01
F	Transportation @ 7.5% of C				3,880.02
	Erection Charges @ 5% on WPB poles				1,527.54
G	Erection Charges @ 10%				2,118.28
H	Total				61,846.15
20	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.	Cum	0.45	6500.00	2925.00
21	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6500.00	731.25
	Total Material + Services Cost (J+K)				65,502.40
B	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	29661.00	29661.00
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)	Kg	45.888	76.00	3487.49
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	97.50	1030.85
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	11.70144	76.00	889.31
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	0.3009	97.50	29.34
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	1.2036	97.50	117.35
9	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	4	260.00	1040.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	6	455.00	2730.00
11	Disc insulator (B&S) 70 KN polymer	No.	6	1495.00	8970.00
12	Non metallic ties 11 KV(for covered conductor)	No	4	251.00	1004.00
13	IPC for 99 sq. mm AAAC covered conductor	No	6	371.00	2226.00
14	Spike(GI) using 50x6 mm GI flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	Set	2	332.00	664.00
15	Earthing of Support ( Coil Type )	No	1	215.80	215.80
16	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	97.50	25.55
17	HT Stay Set (Complete)	Set	2	1365.00	2730.00
18	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	162.50	325.00
19	HT Stay Insulator	No.	2	65.00	130.00
20	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	97.50	2925.00
21	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	7.43	101.40	753.40

22	Yellow colour paint for Background	Ltr	2	216.00	432.00
23	Black colour paint for numbering	Ltr	0.5	286.00	143.00
A	<b>A. Sub total</b>				<b>59,945.08</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>1,798.35</b>
C	<b>Sub Total (C=A+B)</b>				<b>61,743.43</b>
D	<b>T&amp;P @ 2% of C</b>				<b>1,109.01</b>
E	<b>Contingency @ 3% of C</b>				<b>1,852.30</b>
F	<b>Transportation @ 7.5% of C</b>				<b>4,630.76</b>
	<b>Erection Charges @ 5% on poles</b>				<b>1,527.54</b>
G	<b>Erection Charges @ 10%</b>				<b>2,489.96</b>
H	<b>Total</b>				<b>73,353.00</b>
24	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 excvaton, 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	2	2250.00	4500.00
25	Couping Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.45	6500.00	2925.00
26	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6500.00	731.25
	<b>Total Material + Services Cost (J+K)</b>				<b>81,509.25</b>
C	<b>11 KV PIN POINTS WITH WPB</b>				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	29661.00	29661.00
2	11 KV V cross arm	No	1	1053.00	1053.00
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	1	195.00	195.00
4	Danger plate	No	1	104.00	104.00
5	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
6	GI barbed wire/Anticlimbing device	No	3	104.00	312.00
7	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
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	3	260.00	780.00
9	Spike(GI) using 50x6 mm GI flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	Set	2	332.00	664.00
10	Non metallic ties 11 KV(for covered conductor)	No	3	251.00	753.00
11	Earthing of Support ( Coil Type )	No	1	215.80	215.80
12	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
13	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	1.45	101.40	147.03
14	99 sq. mm AAAC XLPE covered conductor	Km	0.4635	215000.00	99652.50
15	Yellow colour paint for Background	Ltr	2	216.00	432.00
16	Black colour paint for numbering	Ltr	1	286.00	286.00
A	<b>A. Sub total</b>				<b>134,426.93</b>

<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>4,032.81</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>138,459.74</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>2,769.21</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>4,153.79</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>10,384.48</b>
		<b>Erection Charges @ 5% on poles</b>			<b>1,527.54</b>
<b>G</b>	<b>Erection Charges @ 10%</b>				<b>10,790.89</b>
<b>H</b>	<b>Total</b>				<b>168,085.65</b>
<b>17</b>	<b>Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.</b>	<b>Cum</b>	<b>0.45</b>	<b>6500.00</b>	<b>2925.00</b>
<b>18</b>	<b>Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.</b>	<b>Cum</b>	<b>0.1125</b>	<b>6500.00</b>	<b>731.25</b>
	<b>Total Material + Services Cost (J+K)</b>				<b>171,741.90</b>
	Total Estimated Cost				<b>318,753.56</b>
	Total Estimated Cost in Figures				<b>318,754.00</b>
<b>EXCESS</b>	<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)**