

**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 :- 06 AS PER IFB**

**NAME OF THE WORK :- SHIFTING AND RECONSTRUCTION OF 11 K.V LINE AT AUTOMATED TESTING STATION (ATS) AT JAGATSINGHPUR IN THE DISTRICT OF JAGATSINGHPUR.**

**BID REF NO :- 03/PM/ELECT/OPHWC/2026-27**

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) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	36,804.27	36,804.27
<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	106.50	2,443.54
<b>3</b>	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	5.286	106.50	562.96
<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	5.85	106.50	623.03
<b>5</b>	Danger plate	No	1	113.60	113.60
<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	0.3	106.50	31.95
<b>7</b>	GI barbed wire/Anticlimbing device	No	3	113.60	340.80
<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	1.2	106.50	127.80
<b>9</b>	11 KV pin insulator polymer	Set	3	284.00	852.00
<b>10</b>	H W fitting(B&S) 70KN, 3Bolt	No.	6	497.00	2,982.00
<b>11</b>	Disc insulator (B&S) 70 KN polymer	No.	6	1,633.00	9,798.00
<b>12</b>	Earthing of Support ( Coil Type )	No	1	235.72	235.72
<b>13</b>	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.26	106.50	27.69
<b>14</b>	Wedge connector for 80 sq. mm conductor	EA	6	138.00	828.00
<b>15</b>	Polycarbonate Bird Guard	No	9	29.40	264.60
<b>16</b>	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	3.55	110.76	393.20
<b>17</b>	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	216.00	432.00

18	Black paint (GIS Numbering & Zebra stripping)	Ltr	0.5	312.40	156.20
A	<b>A. Sub total</b>				<b>57,017.35</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>1,710.52</b>
C	<b>Sub Total (C=A+B)</b>				<b>58,727.87</b>
D	<b>T&amp;P @ 2% of C</b>				<b>1,174.56</b>
E	<b>Contingency @ 3% of C</b>				<b>1,761.84</b>
F	<b>Transportation @ 7.5% of C</b>				<b>4,404.59</b>
	<b>Erection Charges @ 5% on poles</b>				<b>1,895.42</b>
G	<b>Erection Charges @ 10%</b>				<b>2,081.95</b>
H	<b>Total</b>				<b>70,046.22</b>
19	Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.	Cum	0.45	6,648.85	2,991.98
20	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6,648.85	748.00
	<b>Total Material + Services Cost (J+K)</b>				<b>73,786.20</b>
<b>B</b>	<b>11 KV CUT POINT WITH 90 DEGREE ANGLE</b>				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	4	36,804.27	147,217.08
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)	Kg	183.552	106.50	19,548.29
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	42.2912	106.50	4,504.01
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	46.8058	106.50	4,984.81
5	Danger plate	No	4	113.60	454.40
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	1.2036	106.50	128.18
7	GI barbed wire/Anticlimbing device	No	12	113.60	1,363.20
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	4.8144	106.50	512.73
9	11 KV pin insulator polymer	Set	16	284.00	4,544.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	24	497.00	11,928.00
11	Disc insulator (B&S) 70 KN polymer	No.	24	1,633.00	39,192.00
12	Earthing of Support ( Coil Type )	No	4	235.72	942.88
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.048	106.50	111.61
14	Wedge connector for 80 sq. mm conductor	EA	24	138.00	3,312.00

15	Polycarbonate Bird Guard	No	40	29.40	1,176.00
16	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required ( 1 Pair)	EA	8	177.50	1,420.00
17	H.T. Stay set (Complete )	SET	8	1,491.00	11,928.00
18	H.T. Stay Insulator Type-C	EA	8	71.00	568.00
19	7/10 SWG Stay Wire 15kg /stay	KG	120	106.50	12,780.00
20	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	29.732	110.76	3,293.12
21	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	8	216.00	1,728.00
22	Black paint (GIS Numbering & Zebra stripping)	Ltr	2	312.40	624.80
A	<b>A. Sub total</b>				<b>272,261.12</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>8,167.83</b>
C	<b>Sub Total (C=A+B)</b>				<b>280,428.95</b>
D	<b>T&amp;P @ 2% of C</b>				<b>5,058.64</b>
E	<b>Contingency @ 3% of C</b>				<b>8,412.87</b>
F	<b>Transportation @ 7.5% of C</b>				<b>21,032.17</b>
	<b>Erection Charges @ 5% on poles</b>				<b>7,581.68</b>
G	<b>Erection Charges @ 10%</b>				<b>10,129.85</b>
H	<b>Total</b>				<b>332,644.16</b>
23	Fixing of complete 11KV 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 BA will do the excvation including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size ( 500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard.	No	8	2,301.53	18,412.24
24	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)	Cum	1.80	6,648.85	11,966.60
25	Couping ratio 1:1.5:3(M-20 Grade) with dimension (500X500X450)= 0.1125 Cu mtr(Per Pole)	Cum	0.45	6,648.85	2,991.98
	<b>Total Material + Services Cost (J+K)</b>				<b>366,014.99</b>
C	<b>11 KV PIN POINTS WITH WPB</b>				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	7	36,804.27	257,629.89
2	11 KV V cross arm	No	7	1,150.20	8,051.40
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	7	213.00	1,491.00
4	Danger plate	No	7	113.60	795.20

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	2.11	106.50	224.72
6	GI barbed wire/Anticlimbing device	No	21	113.60	2,385.60
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	8.43	106.50	897.80
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	21	284.00	5,964.00
9	Earthing of Support ( Coil Type )	No	7	235.72	1,650.04
10	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.83	106.50	194.90
11	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	10.15	110.76	1,124.21
12	80 sq. mm AAAC	Km	1.48	61,060.00	90,564.19
13	Yellow colour paint for Background	Ltr	14	216.00	3,024.00
14	Black colour paint for numbering	Ltr	7	312.40	2,186.80
15	Polycarbonate Bird Guard	No	21	29.40	617.40
A	<b>A. Sub total</b>				<b>376,801.14</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>11,304.03</b>
C	<b>Sub Total (C=A+B)</b>				<b>388,105.18</b>
D	<b>T&amp;P @ 2% of C</b>				<b>7,762.10</b>
E	<b>Contingency @ 3% of C</b>				<b>11,643.16</b>
F	<b>Transportation @ 7.5% of C</b>				<b>29,107.89</b>
	<b>Erection Charges @ 5% on poles</b>				<b>13,267.94</b>
G	<b>Erection Charges @ 10%</b>				<b>12,274.64</b>
H	<b>Total</b>				<b>462,160.90</b>
16	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	3.15	6,648.85	20,943.88
17	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.787	6,648.85	5,232.64
	<b>Total Material + Services Cost (J+K)</b>				<b>488,337.42</b>
II	<b>11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING.</b>				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =( 4x7.14x1.2)	Kg	62.832	106.50	6,691.61
2	No-6 GI wire (0.192 Kg/Mtr.)for main string	Kg	15.36	106.50	1,635.84
3	No-8 GI wire (0.131 Kg/mtr.)for lacing	Kg	3.28	106.50	348.79
4	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	4	193.12	772.48
5	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1,491.00	2,982.00
6	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	50.504	106.50	5,378.68
A	<b>TOTAL MATERIAL COST</b>				<b>17,809.39</b>
B	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				<b>534.28</b>
C	<b>Sub Total (C=A+B)</b>				<b>18,343.67</b>

<b>D</b>	<b>Contingency @3% of C</b>				<b>550.31</b>
<b>E</b>	<b>T &amp; P 2% of C</b>				<b>305.42</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>1,375.78</b>
<b>G</b>	<b>Erection Charges for PSC Pole @ 20%</b>				
<b>H</b>	<b>Erection Charges of DTR and Joist Poles @ 5%</b>				
<b>I</b>	<b>Erection Charges of other @ 10%</b>				<b>1,527.20</b>
<b>J</b>	<b>Sub Total Rs.</b>				<b>22,102.38</b>
7	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	3,784.73	7,569.46
	<b>Total Rs.</b>				<b>29,671.84</b>
	<b>Dismantling Charges</b>				
1	Dismantling of 11/13 Mtr. Joist/WPB Pole	No.	2	1,380.92	2,761.84
2	Dismantling of ACSR/AAAC 34/55 sq. mm	Mtr.	720	6.44	4,639.68
					7,401.52
	<b>Sub Total Rs.</b>				<b>965,211.97</b>
	<b>Cess @ 1%</b>				<b>9,652.12</b>
	<b>Total Estimated Cost</b>				<b>974,864.09</b>
	<b>Total Estimated Cost in Figures</b>				<b>974,864.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	In Figure _____ %			
		In word _____ %			
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/-  
Dy. Manager (Elect)**

**Sd/-  
Project Manager (Elect)**