

**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 :- 05 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO AMA BUS STAND (C-TYPE) AT LUNAHARA UNDER SALEPUR BLOCK IN THE DISTRICT OF CUTTACK.**

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

**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>PART-I</b>	<b>CONSTRUCTION OF 11 KV LINE .</b>				
<b>A</b>	<b>11 KV CUT POINT WITH 90+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	45.888	106.50	4,887.07
<b>3</b>	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.57	106.50	1,125.71
<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	11.7014	106.50	1,246.20
<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	5	284.00	1,420.00
<b>10</b>	H W fitting(B&S) 70KN, 3Bolt	No.	9	497.00	4,473.00
<b>11</b>	Disc insulator (B&S) 70 KN polymer	No.	9	1,633.00	14,697.00

12	Earthing of Support ( Coil Type )	No	1	235.72	235.72
13	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
14	Non metallic ties -11 KV 55 sq. mm covered AAAC	No	5	251.00	1,255.00
15	IPC for 55 sq. mm AAAC(For covered conductor)	No	9	550.00	4,950.00
16	H.T. Stay Clamp, 50x5 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty.	EA	1	177.50	177.50
17	H.T. Stay set (Complete )	SET	1	1,491.00	1,491.00
18	H.T. Stay Insulator Type-C	EA	1	71.00	71.00
19	7/10 SWG Stay Wire 15kg /stay	KG	15	106.50	1,597.50
20	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	7.433	110.76	823.28
21	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	216.00	432.00
22	Black paint (GIS Numbering & Zebra stripping)	Ltr	0.5	312.40	156.20
A	<b>A. Sub total</b>				<b>76,484.29</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>2,294.53</b>
C	<b>Sub Total (C=A+B)</b>				<b>78,778.82</b>
D	<b>T&amp;P @ 2% of C</b>				<b>1,506.86</b>
E	<b>Contingency @ 3% of C</b>				<b>2,363.36</b>
F	<b>Transportation @ 7.5% of C</b>				<b>5,908.41</b>
	<b>Erection Charges @ 5% on poles</b>				<b>1,895.42</b>
G	<b>Erection Charges @ 10%</b>				<b>3,743.43</b>
H	<b>Total</b>				<b>94,196.30</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 excavation including excvaton, 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.	EA	1	2,301.53	2,301.53
24	Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.	Cum	0.45	6,648.85	2,991.98
25	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>100,237.81</b>

<b>B</b>	<b>11 KV PIN POINTS WITH WPB</b>				
<b>1</b>	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	36,804.27	36,804.27
<b>2</b>	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	1	213.00	213.00
<b>3</b>	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	0.5	110.76	55.38
<b>4</b>	55 sq. mm AAAC XLPE covered conductor	Mtr.	61.80	99.74	6,163.93
<b>A</b>	<b>A. Sub total</b>				<b>43,236.58</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>1,297.10</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>44,533.68</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>890.67</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>1,336.01</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>3,340.03</b>
	<b>Erection Charges @ 5% on poles</b>				<b>1,895.42</b>
<b>G</b>	<b>Erection Charges @ 10%</b>				<b>662.53</b>
<b>H</b>	<b>Total</b>				<b>52,658.34</b>
<b>5</b>	<b>Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.</b>	<b>Cum</b>	<b>0.45</b>	<b>6,648.85</b>	<b>2,991.98</b>
<b>6</b>	<b>Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.</b>	<b>Cum</b>	<b>0.1125</b>	<b>6,648.85</b>	<b>748.00</b>
	<b>Total Material + Services Cost (J+K)</b>				<b>56,398.32</b>
<b>PART-II</b>	<b>INSTALLATION OF 250 KVA S/S.</b>				
<b>1</b>	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36,804.27	73,608.54
<b>2</b>	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	106.50	6,108.84
<b>3</b>	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	106.50	422.25
<b>4</b>	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4,562.46
<b>5</b>	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	106.50	712.49
<b>6</b>	Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.	Kg	5.711	106.50	608.22
<b>7</b>	HG/DO fuse Mounting channel 75x40x4.8 mm GI (3000 mm Long ) (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4,562.46
<b>8</b>	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	106.50	1,232.21

9	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	106.50	1,229.01
10	Double pole Belting Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	42.84	106.50	4,562.46
11	50X50X6 mm.GI Bracing Angle,4.5 Kg/Mtr.,3512 mm Long, 4.5KG/Mtr., 2 Nos.	Kg	31.61	106.50	3,366.47
12	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	154.81	106.50	16,487.27
13	250 KVA , 11/0.4 KV (CU) Transformer BIS Energy Level-II	No	1	619,789.27	619,789.27
14	LT Distribution Box with MCCB, Aluminium Busbar for 4 Bay with kit kat fuse for S/S	No	1	102,274.67	102,274.67
15	55 sq. mm AAAC XLPE covered conductor	Mtr	50	99.74	4,987.00
16	1Cx630 sq. mm LT XLPE cable	Mtr	120	642.37	77,084.40
17	LT Cable Supporting Channel(GI) 100 X 50 X 6 MM GI Channel (2000 mm long)(9.56 Kg./Mtr., 2 No's.) (Each 2x2x9.56= 28.56 Kg)	Mtr	38.24	106.50	4,072.56
18	LT Cable Supproting Angle(GI), 50x50x6mm.GI 4.5Kg./mtr., each Angle(GI) length 2 mtr., 4 nos Angle(GI) required = (4.5x4x2)	Set	36	106.50	3,834.00
19	11 KV AB switch (200 Amp, 3 pole)	Set	1	10,437.00	10,437.00
20	11 DO HG Fuse (200 Amp, 3 pole)	Set	1	3,214.41	3,214.41
21	20 Amp Fuse Link	Nos.	3	40.00	120.00
22	Wedge connector for 55 sq. mm conductor	EA	6	100.00	600.00
23	Polycarbonate Bird Guard	No	6	29.40	176.40
24	11 KV Disc insulator polymer type 70 KN	No	3	1,633.00	4,899.00
25	11 KV H/W fitting polymer type	Pair	3	497.00	1,491.00
26	11 KV LA (12KV,10 KA)station class-2	No	3	5,041.00	15,123.00
27	11 KV Pin Insulator polymer type	No	3	284.00	852.00
28	HT Stay Set (Complete)	Set	2	1,491.00	2,982.00
29	HT Stay Insulator	No.	2	177.50	355.00
30	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	71.60	143.20
31	7/10 SWG Stay Wire	KG	30	106.50	3,195.00
32	GI Pipe for earthing 40mm dia 3mtr long	No	7	1,491.00	10,437.00
33	GI Nut, Bolt & washers of different sizes	Kg	25	110.76	2,769.00
34	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
35	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	106.50	256.37

36	Danger plate	Kg	2	113.60	227.20
37	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	106.50	64.09
38	Name Plate	No	1	113.60	113.60
	<b>Structure Numbering and marking</b>				
39	Yellow colour paint for Background	Ltr	2	216.00	432.00
40	Black colour paint for numbering	Ltr	1	312.40	312.40
A	<b>A. Sub total</b>				<b>988,385.83</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>29,651.57</b>
C	<b>Sub Total (C=A+B)</b>				<b>1,018,037.41</b>
D	<b>T&amp;P @ 2% of C</b>				<b>18,420.31</b>
E	<b>Contingency @ 3% of C</b>				<b>30,541.12</b>
F	<b>Transportation @ 7.5% of C</b>				<b>76,352.81</b>
G	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				<b>35,709.98</b>
H	<b>Erection Charges @ 20% on PSC Poles</b>				
I	<b>Erection Charges @ 10% for other materials</b>				<b>20,681.41</b>
J	<b>Total</b>				<b>1,199,743.03</b>
41	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6,648.85	5,983.97
42	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6,648.85	1,502.64
43	PCC ratio 1:3:6(M-10) grade for DSS area (3.5x2.5x0.1)=0.875 Cu Mtr.	Cu. Mtr	0.875	5,247.48	4,591.55
44	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2,301.53	4,603.06
45	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	3,784.73	26,493.11
46	LT DB Plinth	No	1	6,000.00	6,000.00
47	DTR Plinth upto 1000 KVA	No	1	28,000.00	28,000.00
48	Laying of 1Cx400 sq.mm LT XLPE cable	Mtr.	120	96.66	11,599.20
49	Supply and Erection of GI fencing with Gate	Sq. Mtr.	18	3,682.44	66,283.92

50	Supply of AL Lugs suitable for 400 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	16	322.21	5,155.36
51	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 1C 300-1000 sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	No	8	1,227.48	9,819.84
					<b>170,032.64</b>
				Sub total Rs	<b>1,369,775.67</b>
<b>PART-III</b>	<b>Supply and Laying of 1.1 KV LT U/G Line of 40 Mtr. using 1.1 KV , 4 Cx 35 Sq. mm XLPE Insulation armoured-Aluminium UG cable with accessories-Multimeter Panel in Open Trench method.</b>				
1	Supply of materials for 1.1 KV XLPE insulation armoured UG cable with accessories-Open trench (along with spare cable)				
a	Length of 1.1 KV, 4C, 35 sq. mm XLPE insulation armoured-Aluminium UG Cable(open trench)	Mtr.	40		
1.1	Supply of 1.1 KV ,4 core, 35 sq. mm XLPE insulation armoured - Aluminium UG Cable	Mtr	80	268.02	21,441.60
2	supply of 1.1 KV Multimeter Panel				
2.1	Supply of 1.1 KV I/C -160 A & 20 Nos. of O/G 32 A	No	1	207,000.00	207,000.00
2.2	Supply of 1.1 KV I/C -160 A & 10 Nos. of O/G 32 A	No	1	125,000.00	125,000.00
3	Earthing of Multimeter Panel				
3.1	Earthing conductor 50x6mm (2.4 Kg/Mtr.)GI flat for equipment ,structure etc.)	Kg	26.4	106.50	2,811.60
3.2	40 mm Nominal bore GI pipe (medium gauge) earthing device with 3 Mtr. Long	Nos	4	1,491.00	5,964.00
A				<b>A. Sub total</b>	<b>362,217.20</b>
	<b>Erection Portion</b>				
1	<b>Laying ,commissioning ,Testing of 1.1 KV , Aluminium, XLPE insulation armoured UG cable by open trench method</b>				
1.1	Laying of 1.1 KV ,4 core 35 sq. mm XLPE insulation armoured-aluminium UG cable	Mtr	80	47.87	3,829.60

<b>2</b>	<b>SITC of Gland /AL term</b>				
<b>2.1</b>	Supply and erection of double compression flameproof type glanding for armoured cable 3.5/4 core ,16-35 sq. mm including making hole in Base plate and dressing of cable along with vermin proofing properly .supply to be done as per TPCODL specification and approved make dowells.	<b>EA</b>	<b>8</b>	<b>368.24</b>	<b>2,945.92</b>
					<b>6,775.52</b>
<b>Civil Portion</b>					
<b>2</b>	<b>Civil works with supply of all materials like cement, MS tor rod, brick, coarse &amp; fine aggregates and labour, T&amp;P, etc for LT UG Cable Trench</b>				
2.1	Earth work excavation of <b>soil Trench Dimension(1.6 Mtr. Wx1.275 Mtr. D)</b>	Cum	28.56	716.03	20,449.82
2.2	Earth work excavation of <b>hard rock Trench Dimension(1.6 Mtr. Wx1.275 Mtr. D)</b>	Cum	12.24	1,759.39	21,534.93
2.3	Back filling with excavated soil outside and above the trench	Cum	11.55	204.58	2,362.90
2.4	PCC(1:3:6) (M-10 Grade)below trench (width 1500 mm ,thickness 75 mm throughout)	Cum	2.25	5,247.48	11,806.83
2.5	Supply and Erection of material for RCC partition Slab 750 mmx100 mm(M-25 Grade)	Cum	1.95	7,483.54	14,592.90
2.6	Supply and Erection of material for RCC trench,150 mm thick(M-25 Grade)	Cum	9.3	7,483.54	69,596.92
2.6	Supply and erection of Rod ,bending ,cutting and binding of prefabricated RCC trench(0.6523 Quint/cum	Kg	606.639	111.50	67,640.25
2.7	Supply and erection of Rod ,bending ,cutting and binding of prefabricated RCC slabs(0.678 Quint/cum)	Kg	132.21	111.50	14,741.42
2.8	Concreting and shuttering of Mass Concrete	M2	78	307.89	24,015.42
2.9	Structural steel work riveted Channel (GI-75x40x4.8 mm)GI Flat -75x6 mm	Kg	56.94	130.00	7,402.20
<b>3</b>	<b>Civil works for Prefabricated RCC foundation with supply of all materials</b>				
3.1	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	Set	4	3,784.73	15,138.92
<b>Sub Total (Civil Portion) (in Rs.)</b>					<b>269,282.51</b>

<b>A</b>	<b>Sub Total (Supply Portion)</b>				<b>362,217.20</b>
<b>B</b>	Stock, Storage & Insurance @ 3 % of A				10,866.52
<b>C</b>	<b>Sub Total (A+B)</b>				<b>373,083.72</b>
<b>D</b>	Contingency @ 3 % of C				11,192.51
<b>E</b>	Tools & Plants Charges @ 2% of C (considered for multimeter panel and earthing items)				6,897.12
<b>F</b>	Transportation @ 7.5% of C				27,981.28
<b>G</b>	Erection Charges @ 10% of earthing items and Multimeter Panel				34,485.59
<b>H</b>	<b>Total (C+D+E+F+G)</b>				<b>453,640.22</b>
<b>I</b>	Sub Total (Erection Portion + Civil Portion)				276,058.03
<b>J</b>	<b>Total Cost (H+I)</b>				<b>729,698.24</b>
<b>PART-IV</b>	<b>Dismantling charges</b>				
<b>1</b>	Dismantling of 9/8 Mtr. PSC Pole	<b>No.</b>	<b>6</b>	<b>920.61</b>	<b>5,523.66</b>
	<b>Sub Total Rs.</b>				<b>2,261,633.71</b>
	<b>Cess @1%</b>				<b>22,616.34</b>
	<b>Total Estimated Cost</b>				<b>2,284,250.04</b>
	<b>Total Estimated Cost in Figures</b>				<b>2,284,250.00</b>
<b>EXCESS</b>	<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)**