

**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 :- 15 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO TRUCK TERMINAL AT GODIPADA IN THE DIST. OF KHURDA.**

**BID REF NO :-80/PM/ELECT/OPHWC/2025-26**

<b>NAME &amp; ADDRESS OF THE FIRM</b>	
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**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	CONSTRUCTION OF 11 KV LINE .				
A	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	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	4887.07
2	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	106.50	1126.00
3	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	106.50	1246.20
4	11 KV pin insulator polymer	Set	5	284.00	1420.00
5	H W fitting(B&S) 70KN, 3Bolt	No.	9	497.00	4473.00
6	Disc insulator (B&S) 70 KN polymer	No.	9	1633.00	14697.00
7	Non metallic ties -11 KV 55 sq. mm AAAC	No	5	251.00	1255.00
8	IPC for 55 sq. mm AAAC(For covered conductor)	No	3	550.00	1650.00
9	Wedge connector for 55 sq. mm conductor	No	6	138.00	828.00
10	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	7.433	110.76	823.28
A	A. Sub total				32,405.56
B	B. Stock, Storage & Insurance @ 3% of A				972.17
C	Sub Total (C=A+B)				33,377.72
D	T&P @ 2% of C				667.55
E	Contingency @ 3% of C				1,001.33
F	Transportation @ 7.5% of C				2,503.33
		Erection Charges @ 5% on poles			
G	Erection Charges @ 10%				3,337.77
H	Total				40,887.71

B	11 KV PIN POINTS WITH WPB				
1	55 sq. mm AAAC XLPE covered conductor	Mtr.	15.45	99.74	1540.98
A	A. Sub total				1,540.98
B	B. Stock, Storage & Insurance @ 3% of A				46.23
C	Sub Total (C=A+B)				1,587.21
D	T&P @ 2% of C				31.74
E	Contingency @ 3% of C				47.62
F	Transportation @ 7.5% of C				119.04
		Erection Charges @ 5% on poles			
G	Erection Charges @ 10%				158.72
H	Total				1,944.34
II	INSTALLATION OF 250 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36804.27	73608.54
2	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	106.50	6108.84
3	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	106.50	422.25
4	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
5	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
6	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
7	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long ) (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
8	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	106.50	1232.21
9	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	106.50	1229.01
10	Double pole Belting Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	42.84	106.50	4562.46
11	50X50X6 mm.GI Bracing Angle,4.5 Kg/Mtr.,3512 mm Long, 4.5KG/Mtr., 2 Nos.	Kg	31.61	106.50	3366.47
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	16487.27
13	250 KVA , 11/0.4 KV (CU) Transformer BIS Energy Level-II	No	1	619789.27	619789.27
14	LT Distrubution Box with MCCB, Aluminim Busbar of 3 Bay with kit kat Fuse for 250 KVA S/S.	No	1	68160.00	68160.00
15	55 sq. mm AAAC XLPE covered conductor	Mtr	50	99.74	4987.00

16	1Cx400 sq. mm LT XLPE cable	Mtr	120	363.08	43569.60
17	11 KV AB switch (200 Amp, 3 pole)	Set	1	10437.00	10437.00
18	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	8690.00	8690.00
19	Wedge connector for 55 sq. mm conductor	EA	6	100.00	600.00
20	Polycarbonate Bird Guard	No	6	29.40	176.40
21	11 KV Disc insulator polymer type 70 KN	No	3	1633.00	4899.00
22	11 KV H/W fitting polymer type	Pair	3	497.00	1491.00
23	11 KV LA (12KV,10 KA)station class-2	No	3	5041.00	15123.00
24	11 KV Pin Insulator polymer type	No	3	284.00	852.00
25	HT Stay Set (Complete)	Set	2	1491.00	2982.00
26	HT Stay Insulator	No.	2	177.50	355.00
27	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	71.60	143.20
28	7/10 SWG Stay Wire	KG	30	106.50	3195.00
29	GI Pipe for earthing 40mm dia 3mtr long	No	7	1491.00	10437.00
30	GI Nut, Bolt & washers of different sizes	Kg	25	110.76	2769.00
31	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
32	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
33	Danger plate	Kg	2	113.60	227.20
34	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
35	Name Plate	No	1	113.60	113.60
	<b>Structure Numbering and marking</b>				
36	Yellow colour paint for Background	Ltr	2	216.00	432.00
37	Black colour paint for numbering	Ltr	1	312.40	312.40
A	<b>A. Sub total</b>				<b>918,205.39</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>27,546.16</b>
C	<b>Sub Total (C=A+B)</b>				<b>945,751.55</b>
D	<b>T&amp;P @ 2% of C</b>				<b>17,665.00</b>
E	<b>Contingency @ 3% of C</b>				<b>28,372.55</b>
F	<b>Transportation @ 7.5% of C</b>				<b>70,931.37</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>16,904.95</b>
J	<b>Total</b>				<b>1,115,335.40</b>
38	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6648.85	5,983.97
39	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6648.85	1,502.64
40	PCC ratio 1:3:6(M-10) grade for DSS area (3.5x2.5x0.1)=0.875 Cu Mtr.	Cu. Mtr	0.875	5247.48	4,591.55

41	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	2301.53	4,603.06
42	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	3784.73	26,493.11
43	LT DB Plinth	No	1	6000.00	6,000.00
44	DTR Plinth upto 1000 KVA	No	1	28000.00	28,000.00
45	Laying of 1Cx400 sq.mm LT XLPE cable	Mtr.	120	96.66	11,599.20
46	Supply and Erection of GI fencing with Gate	Sq. Mtr.	18	3682.44	66,283.92
47	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
48	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	1227.48	9,819.84
					170,032.64
	<b>Sub total Rs</b>				<b>1,285,368.04</b>
<b>IV</b>	<b>Construction of LT UG LINE</b>				
	<b>Length of 1.1 KV, 4C, 95 sq. mm cable(Open trench)along with spare</b>				
1.1	4 core 95 sq. mm XLPE insulation armoured - Aluminium UG Cable	Mtr	130	499.41	64,923.30
2	<b>supply of 1.1 KV Multimeter Panel</b>				
a	No. of 1.1 KV I/C -160 A & 5 Nos. of O/G 63 A				
2.1	Supply of 1.1 KV I/C-160 A & 5 Nos. of O/G 63 A	No	1	95000.00	95,000.00
3	<b>Earthing of Multimeter Panel</b>				
3.1	Earthing conductor 50x6mm (2.4 Kg/Mtr.)GI flat for equipment ,structure etc.)	Kg	13.2	106.50	1,405.80
3.2	40 mm Nominal bore GI pipe (medium gauge) earthing device with 3 Mtr. Long	Nos	2	1491.00	2,982.00
<b>A</b>	<b>A. Sub total</b>				<b>164,311.10</b>
	<b>Erection Portion</b>				
<b>1</b>	<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 95 sq. mm XLPE insulation armoured-Aluminium UG cable	<b>Mtr</b>	<b>130</b>	<b>47.87</b>	<b>6,223.10</b>

2	<b>SITC of Gland /AL term</b>				
2.1	Supply and erection of double compression flameproof type glanding for armoured cable 3.5/4 core ,50-95 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	EA	10	690.46	6,904.60
					13,127.70
<b>Civil Portion</b>					
2	<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	71.4	716.03	51,124.54
2.2	Earth work excavation of <b>hard rock Trench Dimension(1.6 Mtr. Wx1.275 Mtr. D)</b>	Cum	30.6	1,759.39	53,837.33
2.3	Back filling with excavated soil outside and above the trench	Cum	28.875	204.58	5,907.25
2.4	PCC(1:3:6)M-10 grade below trench (width 1500 mm ,thickness 75 mm throughout)	Cum	5.625	5,247.48	29,517.08
2.5	Supply and Erection of material for RCC partition Slab 750 mmx100 mm(M-25 Grade)	Cum	4.875	7,483.54	36,482.26
2.6	Supply and Erection of material for RCC trench,150 mm thick(M-25 Grade)	Cum	23.25	7,483.54	173,992.31
2.6	Supply and erection of Rod ,bending ,cutting and binding of prefabricated RCC trench(65.23 Kg/cum)	Kg	1516.6	111.50	169,100.90
2.7	Supply and erection of Rod ,bending ,cutting and binding of prefabricated RCC slabs(67.8 Kg/cum)	Kg	330.525	111.50	36,853.54
2.8	Concreting and shuttering of Mass Concrete	M2	195	307.89	60,038.55
2.9	Structural steel work riveted Channel (GI-75x40x4.8 mm)GI Flat -75x6 mm	Kg	142.35	130.00	18,505.50
3	<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	2	3,784.73	7,569.46
	<b>Sub Total (Civil Portion) (in Rs.)</b>				<b>642,928.71</b>
A	<b>Sub Total (Supply Portion)</b>				<b>164,311.10</b>
B	Stock, Storage & Insurance @ 3 % of A				4,929.33

<b>C</b>	<b>Sub Total (A+B)</b>				<b>169,240.43</b>
<b>D</b>	Contingency @ 3 % of C				5,077.21
<b>E</b>	Tools & Plants Charges @ 2% of C (considered for multimeter panel and earthing items)				1,985.96
<b>F</b>	Transportation @ 7.5% of C				12,693.03
<b>G</b>	Erection Charges @ 10% of earthing items				9,929.80
<b>H</b>	<b>Total (C+D+E+F+G)</b>				<b>198,926.44</b>
<b>I</b>	Sub Total (Erection Portion + Civil Portion)				656,056.41
<b>J</b>	<b>Total Cost (H+I)</b>				<b>854,982.85</b>
	<b>Sub Total Rs.</b>				<b>2,183,182.93</b>
	<b>Cess @1%</b>				<b>21,831.83</b>
	Total Estimated Cost				<b>2,205,014.76</b>
	Total Estimated Cost in Figures				<b>2,205,015.00</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/-**  
**Dy. Manager (Elect)**

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