

**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 :- 02 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO TRUCK TERMINAL AT POTKHAL IN THE DISTRICT OF MALKANGIRI.**

**BID REF NO.- 29/PM/ELECT/OPHWC/2024-25**

<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.
<b>PART-I</b>	<b>11 KV LINE</b>				
1	11 Mtr. Long (160x160)mm WPB GI Pole	No	2	34321.52	68643.04
2	9 Mtr. Long 300 KG PSC Pole(including transportation cost up to store)	No	2	4080.00	8160.00
3	RCC Base Plate	No	2	408.00	816.00
4	Straigh cross arm GI channel 100x50x6 mm ,9.2 Kg/Mtr. ,each GI channel length 1.2 Mtr.	Kg	88.32	102.00	9008.64
5	Straigh cross arm Top GI channel 100x50x6 mm ,9.2 Kg/Mtr. ,each GI channel length 0.306 Mtr.	Kg	22.52	102.00	2297.04
6	Fish plate 50x8 mm, 3.14 Kg/Mtr.,each 0.280 Mtr. Length	Kg	2.17	102.00	221.34
7	11 KV 'V' cross arm(10.2 Kg each)with galvanisation	No.	3	1101.60	3304.80
8	11 KV F clamp 2.9 Kg each	No	3	326.40	979.20
9	GI Back clamp for 11 KV V Cross Arm	No.	3	108.80	326.40
10	Danger Board	No	4	108.80	435.20
11	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.2	102.00	122.40
12	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	12	108.80	1305.60
13	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	4.81	102.00	490.62
14	11 Kv pin insulator Polymer	No	16	272.00	4352.00
15	HT stay set complete	No.	3	1428.00	4284.00
16	11KV stay insulator Polymer	No.	3	68.00	204.00
17	7/10 SWG stay wire	Kg	30	102.00	3060.00
18	HT stay clamp (1.9 Kg/Pair)	pair	3	170.00	510.00

19	Earthing support coil type GI	No	4	225.76	903.04
20	GI Nuts and Bolts of assorted size	Kg	9	106.08	954.72
21	55 sq. mm AAAC	Km	0.927	40800.00	37821.60
22	Disc insulator 45 KN (B&S) Polymer	No.	12	1169.60	14035.20
23	11 KV HW fitting B&S)3 Bolted	No	12	176.80	2121.60
24	No.8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr. For connecting pole with coil earthing	Kg	0.52	102.00	53.45
25	Sundries	LS	1	500.00	500.00
					<b>164909.89</b>
<b>PART-II</b>	<b>13 MTR. WPB POLE FOR 33 KV LINE-2 NOS. INTERMEDIATE POLE</b>				
1	13 Mtr. Long (160x160)mm WPB GI Pole	No	2	40427.00	80854.00
2	Danger Board	No	2	108.80	217.60
3	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6	102.00	61.20
4	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
5	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	2.41	102.00	245.82
6	33 KV ,10 KN Pin Insulator Polymer	No	6	652.80	3916.80
7	33 KV V cross Arm(GI) 22 Kg	No	2	2448.00	4896.00
8	GI Back clamp for 33 KV V Cross Arm	No.	2	204.00	408.00
9	33 KV F clamp 2.9 Kg each	No	2	408.00	816.00
10	Earthing support coil type GI	No	2	225.76	451.52
11	No.8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr. For connecting pole with coil earthing	Kg	0.52	102.00	53.45
12	GI Nuts and Bolts of assorted size	Kg	3	106.08	318.24
					<b>92891.43</b>
<b>PART-III</b>	<b>DP WITH 13 MTR. WPB POLE -2 NOS.</b>				
1	13 Mtr. Long (160x160)mm WPB GI Pole	No	2	40427.00	80854.00
2	Top Pressure Channel 100X50X6mm. GI 2.8mtr. Long 2Nos.(9.2kg/mtr.)	Kg.	51.52	102.00	5255.04
3	11 Kv pin insulator Polymer	No	3	272.00	816.00
4	Double Pole Belting GI Channel 75x40x6 mm ,6.8 Kg/Mtr. Each GI channel Length 2.8 Mtr.	Kg	76.16	102.00	7768.32
5	50x6 mm GI bracing angle ,4.5 Kg/Mtr.(each angle length 3.5 Mtr.)	Kg	63	102.00	6426.00
6	Fish plate 50x8 mm, 3.14 Kg/Mtr.,each 0.280 Mtr. Length	Kg	1.6296	102.00	166.22
7	Danger Board	No	2	108.80	217.60
8	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6	102.00	61.20
9	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
10	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	2.41	102.00	245.82
11	Earthing support coil type GI	No	2	225.76	451.52
12	Disc insulator 45 KN (B&S) Polymer	No.	6	1169.60	7017.60

13	11 KV HW fitting B&S)3 Bolted	No	6	176.80	1060.80
14	No.8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr. For connecting pole with coil earthing	Kg	0.52	102.00	53.45
15	PG clamp for 55 sq. mm AAAC	No	6.00	652.80	3916.80
16	GI Nuts and Bolts of assorted size	Kg	12	106.08	1272.96
17	HT stay set complete	No.	4	1428.00	5712.00
18	11KV stay insulator Polymer	No.	4	68.00	272.00
19	7/8 SWG stay wire	Kg	60	102.00	6120.00
20	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
21	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	1	1428.00	1428.00
22	50x6 mm GI flat for earthing ,2.36 Kg/Mtr.(2.5 Mtr. For mesh formation and 2.5 Mtr. For	Kg	6	102.00	612.00
23	Saundries	Ls	1	500.00	500.00
					<b>131560.13</b>
	<b>For 2 Nos.</b>				<b>263120.25</b>
<b>IV</b>	<b>11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING.</b>				
1	GI Channel 100X50X6mm. 3 mtr. Long for guarding.(9.2kg/mtr.)	Kg.	110.4	102.00	11260.80
2	Guarding Channel 75X40X6 mm, 2 Mtr., 6.8 Kg/Mtr., 18 Nos.	Kg	108.8	102.00	11097.6
3	Eye Boltalongwith 2 Nuts,1 Flat and spring washer each)	No	12	421.00	5052
4	25x6 mm GI flat(Neutral)	Kg	60	102.00	6120.00
5	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	6	1428.00	8568.00
6	No-8 GI wire	Kg	60	102.00	6120
7	No-6 GI wire	Kg	50	102.00	5100
8	Nut, Bolt & washer	Kg	15	102.00	1530
9	HT stay set complete	No.	4	1428.00	5712.00
10	11KV stay insulator	No.	4	68.00	272.00
11	7/10 SWG stay wire, Grade-2	Kg	40	102.00	4080.00
12	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
					<b>65592.40</b>
<b>PART-V</b>	<b>Installation of 250 KVA 11/0.4KV sub station - 1 No.</b>				
1	11 Mtr. Long (160x160)mm WPB GI Pole	No	2	34321.52	68643.04
2	Top Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
3	AB switch &HG fuse GI mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7768.32
4	Cantilever GI channel for supporting HG Fuse, (75x40x6)mm,each 1 mtr Long,2 nos(6.8Kg/mtr)	Kg	13.6	102.00	1387.20
5	Cantilever GI channel for supporting HG Fuse, (50x50x6)mm,each 1 mtr Long,2 nos(4.5Kg/mtr)	Kg	9	102.00	918.00

6	Angle for cantilever arrangement for AB switch and HG Fuse (50x50x6) 2 mtr Long,2 nos(4.5Kg/Mtr)	No.	18	102.00	1836.00
7	GI Bracing Channel DP Belting 75x40x6mm., 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	38.08	102.00	3884.16
8	50x6 mm GI bracing angle ,4.5 Kg/Mtr.(each angle length 3.5 Mtr.)	Kg	31.5	102.00	3213.00
9	Angle for Mounting LT distribution Box (50x50x6) mm Angle(GI)- 2.5 mtr Long,2 nos(4.5Kg/Mtr)	No	22.5	102.00	2295.00
10	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3508.80
11	11 KV HW fitting B&S)3 Bolted	No	3	353.60	1060.80
12	11KV AB switch( 3 pole,50Hz)	Set	1	16116.00	16116.00
13	11KV HG fuse (3 pole)with PI	Set	1	15680.00	15680.00
14	11 KV LA	No.	3	4828.00	14484.00
15	LT Distribution Box with MCCB, Aluminium Bus Bar for 3 bay with Kitkat fuse for 250 KVA S/S .	No	1	65280.00	65280.00
16	HT stay set complete	No.	4	1428.00	5712.00
17	11KV stay insulator	No.	4	68.00	272.00
18	7/10 SWG stay wire, Grade-2	Kg	40	102.00	4080.00
19	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
20	Earthing device coil type	No	2	225.76	451.52
21	Danger Board	No.	2	108.80	217.60
22	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	102.00	61.38
23	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
24	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	102.00	245.51
25	25x6 mm GI flat(Neutral)	Kg	45	102.00	4590.00
26	25x4 mm GI flat	Kg	20	102.00	2040.00
27	250 KVA 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	365092.00	365092.00
28	1Cx300 sq. mm LT XLPE Cable(10 Mtr.x4 nos.)	Mtr.	40	519.52	20780.80
29	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1428.00	9996.00
30	GI Nuts and Bolts of assorted size	Kg	36	106.08	3818.88
31	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	2000.00	2000.00
					<b>632019.86</b>

**PART-VI LT 3ph 5 W line using 4x95+1x95+1X16 sqmm XLPE AB Cable-0.3 Km**

1	9 Mtr. Long 300 KG PSC Pole(Including transportation cost to store)	No	10	4080.00	40800.00
2	4x95+1x95+1X16 sqmm LT XLPE AB Cable	Km	0.31	421677.76	130298.43
3	RCC Base Plate	No	10	408.00	4080.00
4	Danger Board	No.	10	108.80	1088.00
5	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	3.01	102.00	307.02

6	GI barbed wire anticleimbing device	Kg	30	108.80	3264.00
7	Back clamp for barbed wire anticleimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	12.04	102.00	1228.08
8	Pole clamp for eye Hook for AB cable	Pair	10	272.00	2720.00
9	Suspension clamp with I Hook for ABC	No.	10	462.40	4624.00
10	Eye Hook for AB Cable for Dead end point	No.	5	81.60	408.00
11	Conductor Dead End clamp suitable for bare messenger XLPE Aerial bunched cable(25-70 sq. mm)	No.	5	88.40	442.00
12	L.T Stay set (Complete )	Set	7	707.20	4950.40
13	L.T Stay Insulator	No.	7	40.80	285.60
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	7	149.60	1047.20
15	7/12 SWG Stay Wire	Kg	70	102.00	7140.00
16	Earthing device coil type(GI)	No	10	225.76	2257.60
17	No.8 GI wire (Dia 4.6 mm )0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	2.62	102.00	267.24
18	End Cap for ABC Cable	EA	5	152.00	760.00
19	GI Nuts and Bolts of assorted size	Kg	5	106.08	530.40
	C.Sub Total Rs.				<b>206,497.97</b>
	A.Sub Total Rs.				<b>1,425,031.80</b>
B	Stock,storage and insurance (@3% on A)				<b>42750.95</b>
C	TOTAL RS.				<b>1467782.75</b>
D	T&P @ 2% of C				<b>29355.65</b>
E	Contingency @ 3% of C				<b>44033.48</b>
F	Transportation @ 7.5% of C				<b>110083.71</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>113456.79</b>
H	TOTAL RS.				<b>1764712.38</b>
20	Cement concrete for Stay Anchor Plate with1:2:4 as per TPSODL specification and drawing = 0.2 cum, @ 6177.92	Nos.	22	1235.58	27182.76
21	Concreting of Poles in ratio 1:1:5:3=0.375 cum @6400 for WPB Pole	Nos.	4	2880.00	11520.00
22	Concreting of Poles in ratio 1:1:5:3=0.375 cum @6400	Nos.	12	2400.00	28800.00
23	Concreting of Poles in ratio 1:1:5:3,for v13 Mtr. Long WPB Pole	Nos.	6	3520.00	21120.00
24	Couping of Poles in ratio 1:1:5:3,0.1125 cum @6400	Nos.	22	720.00	15840.00
25	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	15	1600.00	24000.00
26	Plinth for transformer	No	1.00	32,181.60	32181.60
27	Brick wall Boundary with fixing of iron grill gate	RM	18	7300.12	131402.16
				Total Rs.	<b>292,046.52</b>
	<b>Sub Total Rs.</b>				<b>2,056,758.90</b>
	<b>Cess @ 1%</b>				<b>20,567.59</b>

	<b>Total Estimated Cost</b>			<b>2,077,326.49</b>
	<b>Total Estimated Cost in Figures</b>			<b>2,077,326.00</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/-  
DM I/C (Elect)**

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