

**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 AMA BUS STAND AT DHARAKOTE IN THE DIST. OF GANJAM.**

**BID REF NO.- 45/DGM//ELECT/OPHWC/2024-25**

**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>Installation of 250 KVA 11/0.4KV sub station -1 No.</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)	No	2	34321.52	68,643.04
2	Top Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)	K.g	51.52	88.40	4,554.37
3	AB switch &HG fuse mounting channel (75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.2	88.40	6,736.08
4	Transfer Belting angle(50x50x6)mm ,3.5 Mtr. Long ,2 Nos.(4.5 kg/Mtr.)	Kg.	31.5	88.40	2,784.60
5	Angle for mounting LT Distribution Box (50x50x6)(4.5 Kg/Mtr.)	Kg	13.5	88.40	1,193.40
6	Angel for cantilever arrangement for HG Fuse 50x50x6mm 2 Mtr. Long each ,1.5 Mtr. Long,2 Nos.(4.5Kg./mtr)	Kg.	13.5	88.40	1,193.40
7	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	16116.00	16,116.00
8	11KV HG fuse 3 pole(400 Amp)	Set	1	15680.00	15,680.00
9	11 KV LA(9 KV, 10 KA)Station class	No.	3	1360.00	4,080.00
10	11KV Disc insulatorT & C,45 KN Polymer	No.	3	1169.60	3,508.80
11	11KV H.W Fittings T&C 45KN	No.	3	176.80	530.40
12	HT stay set (Complete)REC Construction standard	No.	2	1428.00	2,856.00
13	HT stay Insulator, Type-C	No.	2	68.00	136.00
14	Stay clamp(1.9 Kg/Pair)	pair	2	170.00	340.00
15	7/10 SWG GI Saty wire, grade-2	Kg	20	102.00	2,040.00
16	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	5	1428.00	7,140.00
17	25x6 mm GI flat for earthing	Kg	50	102.00	5,100.00
18	250 KVA, 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	365092.00	365,092.00
19	LT Distribution box with MCCB, Aluminium Bus bar for 2 bay with Kitkat Fuse for 250 KVA S/S	No	1	65280.00	65,280.00
20	MS Nuts, Bolts and washers of assorted size	Kg	25.05	96.36	2,413.82

21	300 sq. mm 3.5 core LT PVC Cable Un armoured	Mtr.	15	1351.84	20,277.60
22	55 sq. mm AAAC for jumpering	Km	0.05	40800.00	2,040.00
23	Earthing support coil type	No	2	225.76	451.52
24	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.52	102.00	53.04
25	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	4	108.80	435.20
26	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	4.896	108.80	532.68
27	Danger Board	No	2	108.80	217.60
28	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.612	108.80	66.59
29	Name Plate	No	1	108.80	108.80
30	Back clamp for Name Plate (GI flat 25x3 mm@0.6 Kg/Mtr.)510 mm Length(0.306 Kg/pc)	Kg	0.31	108.80	33.73
31	Aluminium paint	Ltr.	3	272.00	816.00
32	Red Oxide Paint	Ltr.	3	272.00	816.00
33	Saundries	No.	1	1000.00	1,000.00
	A.Sub Total Rs.				<b>602,266.66</b>
B	Stock,storage and insurance (@3% on A)				<b>18,068.00</b>
C	TOTAL RS.				<b>620,334.66</b>
D	T&P @ 2% of C				<b>12,406.69</b>
E	Contingency @ 3% of C				<b>18,610.04</b>
F	Transportation @ 7.5% of C				<b>46,525.10</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>38,348.80</b>
H	TOTAL RS.				<b>736,225.30</b>
34	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum @6177.92 cum	Nos.	2	1235.58	2,471.16
35	Concreting of support C.C in ratio 1:1:5:3=0.45 cum @6400	Nos.	2	2880.00	5,760.00
36	Couping of Poles in ratio 1:1:5:3,0.1125 cum for each pole@6400/per cum	No	2	720.00	1,440.00
37	Materials for Masonary work for earth pit, charcoal, salt etc. including construction of earthing chamber (size -2"x2") and RCC slab cover.	Ls	5	1600.00	8,000.00
38	Transformer Plinth	No	1	32181.60	32,181.60
39	Construction of Brick wall Boundary for fencing of S/S	No	1	150000.00	150,000.00
					<b>199,852.76</b>
					<b>936,078.06</b>
<b>PART-II</b>	<b>3 phase 3W 11 KV line with 55 sq. mm AAAC-0.01 Km</b>				
1	13 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)	No	1	40427.00	40,427.00
2	Disc insulator 45 KN (T&C) Polymer	No.	9	1169.60	10,526.40

3	11 KV HW fitting (T&C)45 KN	No	9	176.80	1,591.20
4	11KV Pin Insulator polymer	No.	3	272.00	816.00
5	100x50x6mm MS channel	K.g	49.68	88.40	4,391.71
6	HT stay set (Complete)	No.	1	1428.00	1,428.00
7	HT stay Insulator, Type-C	No.	1	68.00	68.00
8	HT Stay & stud clamp(1.9 Kg/Pair)	pair	1	170.00	170.00
9	7/8 SWG GI Saty wire, grade-2	Kg	10	102.00	1,020.00
10	55 sq. mm AAA Conductor	Km	0.0309	40800.00	1,260.72
11	GI Nut, Bolt & washer of assorted size	Kg	2	106.08	212.16
12	Earthing support coil type	No	1	225.76	225.76
13	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.26	102.00	26.52
14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	2	108.80	217.60
15	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	2.448	108.80	266.34
16	Danger Board	No	1	108.80	108.80
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.306	108.80	33.29
18	Aluminium paint	Ltr.	1	272.00	272.00
19	Red Oxide Paint	Ltr.	1	272.00	272.00
20	Saundries	No.	1	500.00	500.00
A.Sub Total Rs.					<b>63,833.51</b>
B	Stock,storage and insurance (@3% on A)				<b>1,915.01</b>
C	TOTAL RS.				<b>65,748.51</b>
D	T&P @ 2% of C				<b>1,314.97</b>
E	Contingency @ 3% of C				<b>1,972.46</b>
F	Transportation @ 7.5% of C				<b>4,931.14</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>4,492.86</b>
H	TOTAL RS.				<b>78,459.94</b>
20	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum @6177.92 cum	Nos.	1	1235.58	1,235.58
23	Concreting of support C.C in ratio 1:1:5:3=0.45 cum @6400	Nos.	1	3520.00	3,520.00
24	Couping of Poles in ratio 1:1:5:3,0.1125 cum for each pole@6400/per cum	No	1	720.00	720.00
					<b>5,475.58</b>
					<b>83,935.52</b>
<b>PART-III</b>	<b>Construction of LT 3ph 4 W line using (3x50+1x35) sqmm XLPE AB Cable=0.04 Km</b>				
1	10 Mtr Long 150x150 mm GI Joist Pole(34.6 Kg/Mtr.)	No	1	35292.00	35,292.00
2	3x50+1x35 sqmm XLPE AB Cable	Mtr.	42.00	176.80	7,425.60
3	Pole clamp for eye Hook for AB cable	No	1.00	272.00	272.00
4	Dead end clamp (Double clamp provision at cut point)	No	1	88.40	88.40
5	Eye Hook for Dead end Clamp	No	1	81.60	81.60

6	Suspension clamp with I Hook for ABC	No	1	462.40	462.40
7	GI Nut, Bolt & washer	Kg	1	106.08	106.08
8	L.T Stay set (Complete )	Set	1	702.20	702.20
9	L.T Stay Insulator	No.	1	40.80	40.80
10	L.T Stay Clamp(1.4 K.g/Pair)	Pair	1	149.60	149.60
11	7/12 SWG Stay Wire ,Grade-2	Kg	5	102.00	510.00
12	Base plate for support	No	1	2040.00	2,040.00
13	Earthing support coil type	No	1	225.76	225.76
14	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.26	102.00	26.52
15	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	1	108.80	108.80
16	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.612	108.80	66.59
17	Danger Board	No	1	108.80	108.80
18	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.31	108.80	33.73
19	Saundries	No.	1	500.00	500.00
A.Sub Total Rs.					<b>48,240.87</b>
B	Stock,storage and insurance (@3% on A)				<b>1,447.23</b>
C	TOTAL RS.				<b>49,688.10</b>
D	T&P @ 2% of C				<b>993.76</b>
E	Contingency @ 3% of C				<b>1,490.64</b>
F	Transportation @ 7.5% of C				<b>3,726.61</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>3,151.27</b>
H	TOTAL RS.				<b>59,050.38</b>
20	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum @6177.92 cum	Nos.	1	1235.58	1,235.58
23	Concreting of Poles in ratio 1:1:5:3=0.375 cum	Nos.	1	2656.00	2,656.00
24	Couping of Poles in ratio 1:1:5:3,0.1125 cum for each pole@6400/per cum	No	1	720.00	720.00
					<b>4,611.58</b>
					<b>63,661.96</b>
<b>IV</b>	<b>SHIFTING AND RECONSTRUCTION OF LINE</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	4	34321.52	137,286.08
2	13 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	5	40427.00	202,135.00
3	11 KV 'V' cross arm(10.2 Kg each)	No.	6	1101.60	6,609.60
4	GI Back clamp for 11 KV V Cross Arm	No.	6	108.80	652.80
5	Top F clamp for PSC Pole ,2.9 Kg	No.	6	326.40	1,958.40
6	Disc insulator 45 KN (T&C) Polymer	No.	18	1169.60	21,052.80
7	11 KV HW fitting (T&C)45 KN	No	18	176.80	3,182.40
8	11KV Pin Insulator polymer	No.	27	272.00	7,344.00

9	100x50x6 mm GI Channel for straight cross 1.2 Mtr. Long 2 Nos. and 0.3 Mtr. Long 2 Nos. @9.2 Kg/Mtr. For 180 degree CP and tapping 4 Nos. & 0.3 Mtr. Long 4 Nos. @9.2 Kg/Mtr.	Kg	149.04	102.00	15,202.08
10	HT stay set complete	No.	6	1428.00	8,568.00
11	11KV stay insulator	No.	6	68.00	408.00
12	HT stay clamp (1.9 Kg/Pair)	pair	6	170.00	1,020.00
13	7/10 SWG stay wire, Grade-2 for stay, support of XLPE cable	Kg	60	102.00	6,120.00
14	80 sq. mm AAA conductor	Km	1.224	58480.00	71,579.52
15	PG clamp 80 sq. mm AAA conductor	No	18	720.80	12,974.40
16	Earthing support coil type GI	No	9	225.76	2,031.84
17	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	2.36	102.00	240.72
18	GI Nuts and Bolts of assorted size	Kg	20	106.08	2,121.60
19	GI Barbed wire for anticlimbing device 3 Kg per support	Kg	18	108.80	1,958.40
20	Back clamp for anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length	Kg	22.032	108.80	2,397.08
21	Danger Board	No	9	108.80	979.20
22	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.754	108.80	299.64
23	Guarding materials	Ls	5	11698.72	58,493.60
24	Black Paint & Yellow paint	No	15	299.20	4,488.00
25	3x50+1x35 sqmm XLPE AB Cable	Mtr.	315.00	176.80	55,692.00
26	Pole clamp for eye Hook for AB cable	No	8.00	272.00	2,176.00
27	Dead end clamp (Double clamp provision at cut point)	No	4	88.40	353.60
28	Eye Hook for Dead end Clamp	No	4	81.60	326.40
29	Suspension clamp with I Hook for ABC	No	6	462.40	2,774.40
30	Insulated Piercing connector, Type-A	No	16	108.80	1,740.80
31	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1,000.00
	A.Sub Total Rs.				<b>633,166.36</b>
B	Stock,storage and insurance (@3% on A)				<b>18,994.99</b>
C	TOTAL RS.				<b>652,161.35</b>
D	T&P @ 2% of C				<b>13,043.23</b>
E	Contingency @ 3% of C				<b>19,564.84</b>
F	Transportation @ 7.5% of C				<b>48,912.10</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>47,735.95</b>
H	TOTAL RS.				<b>781,417.47</b>
32	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum @6177.92 cum	Nos.	6	1235.58	7,413.48
33	Concreting of support C.C in ratio 1:1:5:3=0.45 cum @6400	Nos.	5	3520.00	17,600.00

34	Concreting of support C.C in ratio 1:1:5:3=0.45 cum @6400	Nos.	4	2880.00	11,520.00
35	Couping of Poles in ratio 1:1:5:3,0.1125 cum for each pole@6400/per cum	No	9	720.00	6,480.00
36	Dismantlling of 11 Kv Pole	No	7	972.00	6,804.00
37	Dismantlling of 11 Kv Line	Span	9	500.00	4,500.00
38	Dismantlling of LT Pole	No	6	500.00	3,000.00
39	Dismantlling of LT Line	Span	5	400.00	2,000.00
					<b>59,317.48</b>
					<b>840,734.95</b>
					<b>1,924,410.48</b>
	<b>Cess @ 1%</b>				<b>19,244.10</b>
	Total Estimated Cost				<b>1,943,654.59</b>
	Total Estimated Cost in Figures				<b>1,943,655.00</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/-  
D.M (Elect) I/C

Sd/-  
DGM Engg.(Elect.)