

**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 :- 01 AS PER IFB**

**NAME OF THE WORK :- EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO AMA BUS STAND AT KODINGA UNDER KOSAGUMUDA BLOCK IN THE DISTRICT OF NABARANGPUR.**

**BID REF NO.- 60/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-A</b>					
<b>I</b>	<b>11 KV LINE</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)with Welded base plate	No	5	34321.52	1,71,607.60
2	11 KV 'V' cross arm(10.2 Kg each)	No.	3	1101.60	3,304.80
3	GI Back clamp for 11 KV V Cross Arm	No.	3	108.80	326.40
4	Top F clamp,2.9 Kg	No.	3	326.40	979.20
5	Top Bracket 100x50x6 mm MS channel (2 Kg each)	No	3	204.00	612.00
6	Disc insulator 45 KN (B&S) Polymer	No.	15	1169.60	17,544.00
7	11 KV HW fitting (B&S) 45 KN,3 Bolted	No	15	176.80	2,652.00
8	11KV Pin Insulator polymer	No.	17	272.00	4,624.00
9	55 sq. mm AAA conductor	Km	0.618	40800.00	25,214.40
10	PG clamp 55 sq. mm AAA conductor	No	18	652.80	11,750.40
11	HT stay set complete	No.	7	1428.00	9,996.00
12	11KV stay insulator	No.	7	68.00	476.00
13	HT stay clamp (1.9 Kg/Pair)	pair	7	170.00	1,190.00
14	7/10 SWG stay wire	Kg	70	102.00	7,140.00
15	GI Nut, Bolt & washer	Kg	10	106.80	1,068.00
16	100x50x6 mm GI Channel for straight cross 1.2 Mtr. Long for Bottom Channels & 0.206 Mtr. Long for Top Channel	Kg	129.4	102.00	13,198.80
17	Fish plate 50x8 mm, 0.97 Kg/Mtr., each 0.280 Mtr. Length	Kg	3.259	102.00	332.42
18	75x40x6 mm MS channel 1.5 Mtr. Long 4 Nos. for providing support for guarding .	Kg	40.8	102.00	4,161.60
19	No.6 GI Dia 4.8 mm ,40 Kg for 1 No. guarding	Kg	40	102.00	4,080.00
20	Eye Hook	No	4	81.60	326.40
21	8 SWG GI wire for cross lacing & Earthing for guarding channel	Kg	12	102.00	1,224.00
22	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	2	1428.00	2,856.00
23	GI flat 25x4 mm for earthing	Kg	30	102.00	3,060.00
24	Danger Board	No	5	108.80	544.00
25	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	3.06	102.00	312.12

26	GI Barbed wire for anticlimbing device 3 Kg per support	Kg	15	108.80	1,632.00
27	Back clamp for anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length	Kg	6.1	102.00	622.20
28	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1,000.00
	A.Sub Total Rs.				<b>2,91,834.34</b>
B	Stock,storage and insurance (@3% on A)				<b>8,755.03</b>
C	TOTAL RS.				<b>3,00,589.37</b>
D	T&P @ 2% of C				<b>6,011.79</b>
E	Contigency @ 3% of C				<b>9,017.68</b>
F	Transportation @ 7.5% of C				<b>22,544.20</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>21,221.11</b>
H	TOTAL RS.				<b>3,59,384.15</b>
29	Concreting of support in ratio 1:1:5:3	Nos.	5	2880.00	14,400.00
30	Couping of poles with C.C1:1:5:3	No	5	720.00	3,600.00
31	Materials for Masonary work for earth pit, charcoal, salt etc. including construction of earthing chamber (size - 2"x2") and RCC slab cover.	Ls	2	1600.00	3,200.00
32	Cement concreting for stud pole /stay anchor plate with C.C 1:3:6	Nos.	7	1235.38	8,647.66
					<b>29,847.66</b>
					<b>3,89,231.81</b>
<b>PART-II</b>	<b>Installation of 250 KVA 11/0.4KV sub station -1 No.</b>				
1	11 Mtr Long (160x160)mm WPB Pole	No	2	34321.52	68,643.04
2	Top Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5,255.04
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	7,768.32
4	Double pole Belting GI Channel 75x40x6mm channel each 2.8 mtr long,2 Nos(6.8 K.g/mtr)	Kg.	76.16	102.00	7,768.32
5	(50x50x6)mm GI Bracing Angle each 3.5 mtr long(4.5 Kg/mtr)	Kg.	31.5	102.00	3,213.00
6	Cantilever GI channel for supporting HG Fuse, (75x40x6)mm,each 1 mtr Long,2 nos(6.8Kg/mtr)	Kg	13.6	102.00	1,387.20
7	Angle for cantilever arrangement for AB switch and HG Fuse (50x50x6) 2 mtr Long,2 nos(4.5Kg/Mtr)	No.	18	102.00	1,836.00
8	Angle for Mounting LT distribution Box (50x50x6) mm Angle(GI)- 2.5 mtr Long,2 nos(4.5Kg/Mtr)	No	13.5	102.00	1,377.00
9	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3,508.80
10	11 KV HW fitting (B&S)2 Bolted type	No	3	353.60	1,060.80
11	11KV AB switch( 3 pole,50Hz)	Set	1	16116.00	16,116.00
12	11KV HG fuse (3 pole)with PI	Set	1	15680.00	15,680.00
13	11 KV LA	No.	3	4828.00	14,484.00
14	LT Distribution Box with MCCB, Aluminium Bus Bar for 3 bay with Kitkat fuse for 250 KVA S/S .	No	1	65280.00	65,280.00
15	HT stay set complete	No.	4	1428.00	5,712.00
16	11KV stay insulator	No.	4	68.00	272.00
17	7/10 SWG stay wire, Grade-2	Kg	40	102.00	4,080.00
18	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00

19	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	Nos.	7	1428.00	9,996.00
20	Earthing device coil type	No	2	225.76	451.52
21	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.524	102.00	53.45
22	25x4 mm GI flat	Kg	105	102.00	10,710.00
23	MS Nuts and Bolts of assorted size	Kg	25	96.56	2,414.00
24	250 KVA 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	365092.00	3,65,092.00
25	1Cx300 sq. mm LT XLPE Cable(Armoured.)	Mtr.	40	1351.84	54,073.60
26	55 sq. mm AAAC for jumpering	Km	0.05	40800.00	2,040.00
27	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
28	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.44	102.00	248.88
29	Danger Board	No.	2	108.80	217.60
30	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.612	102.00	62.42
31	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1,000.00
	A.Sub Total Rs.				<b>6,71,133.79</b>
B	Stock,storage and insurance (@3% on A)				<b>20,134.01</b>
C	TOTAL RS.				<b>6,91,267.81</b>
D	T&P @ 2% of C				<b>13,825.36</b>
E	Contigency @ 3% of C				<b>20,738.03</b>
F	Transportation @ 7.5% of C				<b>51,845.09</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>46,789.42</b>
H	TOTAL RS.				<b>8,24,465.70</b>
32	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum @6177.92 cum	Nos.	4	1235.58	4,942.32
33	Concreting of support C.C in ratio 1:1:5:3=0.45 cum @6400	Nos.	2	2880.00	5,760.00
34	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
35	Materials for Masonary work for earth pit, charcoal, salt etc. including construction of earthing chamber (size - 2"x2") and RCC slab cover.	Ls	7	1600.00	11,200.00
36	Transformer Plinth	No	1	32181.60	32,181.60
37	Construction of Boundary wall ,provision of necessary Manpwer,civil material & MS material for construction of Boundary wall fencing as per requirement(5Mx4M)=18RM	RM	18	7300.12	1,31,402.16
					<b>1,86,926.08</b>
					<b>10,11,391.78</b>
<b>PART-B</b>	<b>SHIFTING OF LINE &amp; S/S</b>				
<b>I</b>	<b>11 KV LINE</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)with Welded base plate	No	5	34321.52	1,71,607.60
2	11 KV 'V' cross arm(10.2 Kg each)	No.	5	1101.60	5,508.00
3	GI Back clamp for 11 KV V Cross Arm	No.	5	108.80	544.00
4	Top F clamp,2.9 Kg	No.	5	326.40	1,632.00
5	Top Bracket 100x50x6 mm MS channel (2 Kg each)	No	5	204.00	1,020.00

6	Disc insulator 70 KN (B&S) Polymer	No.	3	1564.00	4,692.00
7	11 KV HW fitting (B&S) 70 KN	No	3	476.00	1,428.00
8	11KV Pin Insulator polymer	No.	15	272.00	4,080.00
9	HT stay set complete	No.	2	1428.00	2,856.00
10	11KV stay insulator	No.	2	68.00	136.00
11	HT stay clamp (1.9 Kg/Pair)	pair	2	170.00	340.00
12	7/8 SWG stay wire	Kg	20	102.00	2,040.00
13	Earthing support coil type	No	5	225.76	1,128.80
14	No.6 GI Dia 4.8 mm ,40 Kg for 1 No. guarding	Kg	1.31	102.00	133.62
15	GI Nut, Bolt & washer	Kg	7	106.08	742.56
16	100x50x6 mm GI Channel for straight cross 1.2 Mtr. Long for Bottom Channels & 0.206 Mtr. Long for Top Channel	Kg	25.8704	102.00	2,638.78
17	1Core 70 sq. mm covered conductor	Km	0.8961	212800.00	1,90,690.08
18	Danger Board	No	5	108.80	544.00
19	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	5	108.80	544.00
20	GI Barbed wire for anticlimbing device 3 Kg per support	Kg	15	108.80	1,632.00
21	Back clamp for anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length	Kg	20	108.80	2,176.00
22	Fish plate 50x8 mm, 0.97 Kg/Mtr., each 0.280 Mtr. Length	Kg	1.0864	102.00	110.81
23	IPC for 1Cx70 sq. mm conductor	No	12	371.00	4,452.00
24	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1500.00	1,500.00
	A.Sub Total Rs.				<b>4,02,176.25</b>
	B.Deduction of Salvage Value @8 %				<b>32,174.10</b>
	C. Total Material cost after deducting Salvage Value @8%				<b>3,70,002.15</b>
	D. Stock, Storage & Insurance @ 3% of C				11,100.06
	E. Sub Total (E=C+D)				<b>3,81,102.22</b>
	T&P @ 2% of E				7,622.04
	Contingency @ 3% of E				11,433.07
	Transportation @ 7.5% of E				28,582.67
	Erection Charges @ 5% for Joist /WPB Pole cost including stock, storage & insurance @3%				8,130.77
	Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%				
	Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%				21,848.69
					<b>4,58,719.46</b>
25	Concreting of support in ratio 1:1:5:3	Nos.	5	2880.00	14,400.00
26	Couping of poles with C.C1:1:5:3	No	5	720.00	3,600.00
27	Cement concreting for stud pole /stay anchor plate with C.C 1:3:6	Nos.	2	1235.38	2,470.76
28	Dismantling chages of HT Line	Span	5	500.00	2,500.00
29	Dismantling chages of HT Poles	No	3	972.00	2,916.00
					<b>25,886.76</b>
					<b>4,84,606.22</b>
<b>PART-II</b>	<b>SHIFTING OF DP STRUCTURE FOR 63 KVA DTR. - 1 No.</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)with Welded base plate	No	2	34321.52	68,643.04
2	Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	102.00	5,255.04
3	Transformer mounting channel GI(100x50x6)mm,2.8mtr long 2 Nos(9.2 Kg/mtr)	K.g	51.52	102.00	5,255.04

4	Support channel for mounting channel for 100x50x6 mm ,0.3 Mtr. Long 4 Nos.,(9.2 Kg/Mtr.)	K.g	11.04	102.00	1,126.08
5	AB switch and HG Fuse mounting channel GI(75x40x6)mm,2.8mtr long 4 Nos(9.2 Kg/mtr)	K.g	76.16	102.00	7,768.32
6	Support channel for AB Switch mounting channel 75x40x4.8 mm ,0.3 Mtr. Long 4 Nos.,(6.8 Kg/Mtr.)	K.g	8.16	102.00	832.32
7	Support channel for AB Switch Handle of 75x40x4.8 mm ,0.8 Mtr. Long 1 No.,(6.8 Kg/Mtr.)	K.g	5.44	102.00	554.88
8	Cantilever GI channel for supporting HG Fuse, (75x40x4.8)mm,each 1.2 mtr Long,2 nos(6.8Kg/mtr)	K.g	16.32	102.00	1,664.64
9	Bracing Angle for supporting HG Fuse 50x50x6mm MS Angle 1.5 Mtr.,Long 2 Nos.(4.5 Kg/Mtr.)	K.g	13.5	102.00	1,377.00
10	Support Channel for AB switch & HG Fuse 75x40x4.8 mm ,1 Mtr. Long each,2 Nos.(6.8 Kg/Mtr.)	K.g	13.6	102.00	1,387.20
11	Transformer Belting GI 50x50x6mm angle 2.8 mtr long,2 Nos.(4.5 K.g/mtr)	K.g	31.5	102.00	3,213.00
12	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg.	9	102.00	918.00
13	Clamp for supporting structure of LTDB Box	No	2	170.00	340.00
14	Disc insulator 45 KN (T&C) Polymer	No.	3	1564.00	4,692.00
15	11 KV HW fitting (T&C)45 KN	No	3	176.80	530.40
16	11 KV Pin insulator	No	3	272.00	816.00
17	11KV AB switch 3 pole(400 Amp,50 Hz)	Set	1	16116.00	16,116.00
18	11KV HG Fuse 3 pole(400 Amp,50 Hz)with PI	Set	1	15680.80	15,680.80
19	9 KV 10 KA LA, Station class	No.	3	1360.00	4,080.00
20	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 63 KVA S/S .	No	1	24917.92	24,917.92
21	HT stay set complete	No.	2	1428.00	2,856.00
22	11KV stay insulator	No.	2	68.00	136.00
23	7/10 SWG stay wire, Grade-2	Kg	20	102.00	2,040.00
24	HT stay clamp (1.9 Kg/Pair)	pair	2	170.00	340.00
25	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	5	1428.00	7,140.00
26	Earthing of support coil type GI	No	2	225.76	451.52
27	No.6 GI wire for earthing	Kg	20	102.00	2,040.00
28	GI Nuts and Bolts of assorted size	Kg	25	106.08	2,652.00
29	LT 3.5 core 150 sq. mm LT PVC cable	Mtr.	8	685.44	5,483.52
30	GI Flat 25x6 mm	Kg	20	102.00	2,040.00
31	GI Flat 50x6 mm	Kg	40	102.00	4,080.00
32	Danger Board	No	2	108.80	217.60
33	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	No	2	108.80	217.60
34	GI Barbed wire for anticlimbing device 3 Kg per support	Kg	6	108.80	652.80
35	Back clamp for anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length	Kg	8	108.80	870.40
36	Fish plate 50x8 mm, 0.97 Kg/Mtr., each 0.280 Mtr. Length	Kg	3.2592	102.00	332.44
37	PG clamp for 80 sq. mm AAA Conductor	No	3	720.80	2,162.40
38	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	2000.00	2,000.00
	A.Sub Total Rs.				<b>2,00,879.96</b>
	B.Deduction of Salvage Value @8 %				<b>16,070.40</b>
	C. Total Material cost after deducting Salvage Value @8%				<b>1,84,809.56</b>
	D. Stock, Storage & Insurance @ 3% of C				5,544.29

E. Sub Total (E=C+D)					<b>1,90,353.85</b>
T&P @ 2% of E					3,807.08
Contingency @ 3% of E					5,710.62
Transportation @ 7.5% of E					14,276.54
Erection Charges @ 5% for Joist /WPB Pole cost including stock, storage & insurance @3%					3,253.00
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					12,530.77
					<b>2,29,931.85</b>
39	Cement concreting for stud pole /stay anchor plate with C.C 1:3:6	Nos.	2	1235.58	2,471.16
40	Concreting of Joist Pole in ratio 1:1:5:9=0.375 cum	Nos.	2	2880.00	5,760.00
41	Couping of Poles in ratio 1:1:5:9,0.375 cum for each pole@6400/per cum	Nos.	2	720.00	1,440.00
42	Brick wall boundary for fencing,sand filling,spreading of Aggregate & also including fixing of MS Grill gate.	RM	12	7300.12	87,601.44
43	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
44	Dismantling and shifting of DT	No	1	3000.00	3,000.00
45	Dimantling of existing HT Poles	No	2	972.00	1,944.00
					<b>1,10,216.60</b>
<b>Total Rs.</b>					<b>3,40,148.45</b>
<b>Sub Total Rs.</b>					<b>22,25,378.26</b>
Cess @ 1%					<b>22,253.78</b>
Total Estimated Cost					<b>22,47,632.04</b>
Total Estimated Cost in Figures					<b>22,47,632.00</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/-  
Project Manager (Elect)

Sd/-  
D.M (Elect)