

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
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[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 02 AS PER IFB

NAME OF THE WORK :- EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO AMA BUS STAND AT BAIPARIGUDA IN THE DISTRICT OF KORAPUT.

BID REF NO.- 26/PM/ELECT/OPHWC/2024-25

NAME & ADDRESS OF THE FIRM	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-A					
I	11 KV LINE				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)	No	6	34321.52	205929.12
2	9 Mtr. Long 150x150 mm GI Joist Pole(30.6 Kg/Mtr.)	No	2	28090.80	56181.60
3	Base plate for support	No	2	554.88	1109.76
4	Earthing support coil type	No	6	225.76	1354.56
5	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	2.096	102.00	213.79
6	11 KV 'V' cross arm(10.2 Kg each)	No.	4	1101.60	4406.40
7	GI Back clamp for 11 KV V Cross Arm	No.	4	108.80	435.20
8	Top F clamp for PSC Pole ,2.9 Kg	No.	4	326.40	1305.60
9	11KV Pin Insulator polymer	No.	18	272.00	4896.00
10	Disc insulator 45 KN (B&S) Polymer	No.	21	1169.60	24561.60
11	11 KV HW fitting (B&S)2 bolted	No	21	353.60	7425.60
12	100x50x6 mm channel for straight cross arm,1.2 Mtr. Each ,cut point 5 Nos.	Kg	180.3	102.00	18390.60
13	75x40x6 mm GI Channel 1.5 Mtr. Long 4 Nos., for providing support for Guarding at 1 No. of Road crossing@6.8 Kg/Mtr.	Kg	40.8	102.00	4161.60
14	I Hook for guarding	No	4	81.60	326.40
15	HT stay set complete	No.	5	1428.00	7140.00
16	11KV stay insulator	No.	5	68.00	340.00
17	HT stay clamp (1.9 Kg/Pair)	pair	5	170.00	850.00
18	7/10 SWG stay wire, Grade-2	Kg	50	102.00	5100.00
19	GI Nuts and Bolts of assorted size	Kg	5.55	106.08	588.74
20	55 sq. mm AAAC	Km	0.57	40800.00	23323.32
21	No.6 GI wire Dia 4.8 mm ,40 Kg for 1 No. guarding & 20 Kg for 2 Nos. earthing at both sides of Road crossing Guarding	Kg	40	102.00	4080.00
22	8 SWG GI wire	Kg	12	102.00	1224.00
23	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	2	1428.00	2856.00
24	GI flat 25x4 mm for earthing	Kg	30	102.00	3060.00
25	Danger Board	No	6	108.80	652.80
26	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	1.836	102.00	187.27
27	GI Barbed wire for anticlimbing device 3 Kg per support	Kg	18	108.80	1958.40
28	Back clamp for anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length	Kg	9.76	102.00	995.52
29	PG Clamp for 55 sq. mm AAAC	No	21	652.80	13708.80
30	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					397762.69
II	LT LINE-0.63 KM				
31	GI Nuts and Bolts of assorted size	Kg	0.81	106.08	85.92
32	3x95+1x70+1x16 sqmm LT AB Cable	Km	0.63	330480.00	208202.40

33	Suspension clamp with I Hook	No.	3	462.40	1387.20
34	Dead end clamp suitable for XLPE cable	No	2	88.40	176.80
35	Pole clamp for eye Hook for AB cable	pair	5	272.00	1360.00
36	Sundries (paint, binding tape etc.)	LS	0.06	680.00	40.80
	A.Sub Total Rs.				6,09,015.81
B	Stock, storage and insurance (@3% on A)				18270.47
C	TOTAL RS.				627286.29
D	T&P @ 2% of C				12545.73
E	Contingency @ 3% of C				18818.59
F	Transportation @ 7.5% of C				47046.47
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				49229.92
H	TOTAL RS.				754926.99
37	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum @6277.92 cum	Nos.	5	1235.58	6177.90
38	Concreting of Joist Pole in ratio 1:1:5:9=0.045 cum@6400/cum	Nos.	6	2880.00	17280.00
39	Couping of Joist Poles in ratio 1:1:5:3,0.1125 cum @6400/cum	Nos.	6	720.00	4320.00
40	Concreting of Pole in ratio 1:1:5:3=0.375 cum for each pole @ 6400/cum	Nos.	2	2400.00	4800.00
41	Couping of Poles in ratio 1:1:5:3,0.1125 cum for each pole@6400/per cum	Nos.	2	720.00	1440.00
42	Materials for Masonary work for earth pit, charcoal, salt etc. including construction of earthing chamber (size - 2"x2") and RCC slab cover.	No	2	1600.00	3200.00
43	Dismantling of 11 Kv Line	Mtr.	144	6.44	927.36
					793072.25
III	Installation of 250 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)	No	2	34321.52	68643.04
2	Pressure Channel 100x50x6mm GI 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 mounting channel(75x40x6)mm,each 2.8 mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7768.32
4	GI Bracing Channel DP Belting 75x40x6mm., 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	76.16	102.00	7768.32
5	50x50x6mm Cross Bracing angle,GI 4.0 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	31.5	102.00	3213.00
6	Cantilever GI Channel for supporting HG Fuse 75x40x6mm. 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	102.00	1387.20
7	Angle for cantilever arraangement for AB switch and HG Fuse GI channel 50x50x6-2 Mtr., Long-2 Nos.(4.5 Kg/Mtr.)	Kg.	18	102.00	1836.00
8	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	13.5	102.00	1377.00
9	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3508.80
10	11 KV HW fitting (B&S)2 bolted	No	3	353.60	1060.80
11	11KV AB switch(3 pole,400 Amp,50Hz)	Set	1	16116.00	16116.00
12	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	15680.00	15680.00
13	12KV 10 KA LA, Station class	No.	3	4828.00	14484.00
14	LT Distribution Box with MCCB, Aluminium Bus Bar for 3-bay with Kitkat fuse for 250 KVA S/S .	No	1	65280.00	65280.00
15	HT stay set complete	No.	4	1428.00	5712.00
16	11KV stay insulator	No.	4	68.00	272.00
17	7/10 SWG stay wire, Grade-2	Kg	40	102.00	4080.00
18	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
19	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1428.00	9996.00
20	Earthing of support coil type	No	2	225.76	451.52
21	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	0.524	102.00	53.45
22	GI flat 25x4 mm for earthing	Kg	105	102.00	10710.00
23	MS Nuts and Bolts of assorted size	Kg	25	96.56	2414.00
24	250 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	365902.00	365902.00

25	LT 1 core 300 sq. mm LT XLPE cable(Armoured)	Mtr.	40	1351.84	54073.60
26	55 sq. mm AAAC(for jumpering)	Km	0.05	40800.00	2040.00
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	0.602	102.00	61.40
31	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
	A.Sub Total Rs.				6,71,132.77
B	Stock,storage and insurance (@3% on A)				20133.98
C	TOTAL RS.				691266.76
D	T&P @ 2% of C				13825.34
E	Contigency @ 3% of C				20738.00
F	Transportation @ 7.5% of C				51845.01
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				46789.32
H	TOTAL RS.				824464.42
32	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum @6277.92 cum	Nos.	4	1235.58	4942.32
33	Concreting of WPB Pole in ratio 1:1:5:3=0.555 cum for each pole @ 6400/cum	Nos.	2	2880.00	5760.00
34	Couping of 11 Mtr. Long WPB Poles in ratio 1:1:5:3,0.1125 cum for each pole@6400/per cum	Nos.	2	720.00	1440.00
35	Materials for Masonary work for earth pit, charcoal, salt etc. including construction of earthing chamber (size - 2"x2") and RCC slab cover.	No	7	1600.00	11200.00
36	Transformer Plinth,cost of making Tfr., plinth from 250 KVA to 1000 KVA has to provide necessary civil materials, manpower machinery for construction of Plinth as per requirement.	No.	1	32181.60	32181.60
37	Construction of Brick wall Boundary for fencing of Plinth mounted S/S in the size of 5x4 Mtr.-18 RM, @7300.12/RM	RM	18	7300.12	131402.16
	Sub Total Rs.				10,11,390.50
	PART-B				
I	SHIFTING OR DIVERSION OF LT LINE=0.14 Km				
1	8 Mtr Long 300 KG PSC Pole	No	4	2720.00	10880.00
2	RCC Base Plate	No	4	380.80	1523.20
3	Earthing support coil type GI	No	4	225.76	903.04
4	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.048	102.00	106.90
5	L.T Stay set (Complete)	Set	1	707.20	707.20
6	L.T Stay Insulator	No.	1	40.80	40.80
7	L.T Stay Clamp(1.4 K.g/Pair)	Pair	1	149.60	149.60
8	7/12 SWG Stay Wire	Kg	7.5	102.00	765.00
9	GI Nuts, Bolt and washer	Kg	1.89	106.08	200.49
10	3x50+1x35 sqmm XLPE AB Cable	Km	0.15	176800.00	25989.60
11	Suspension clamp with I Hook	No.	6	462.40	2774.40
12	Pole clamp for Eye Hook	No	8	272.00	2176.00
13	Dead end clamp with Eye Hook	No	2	88.40	176.80
14	Sundries	LS	1	500.00	500.00
	A.Sub Total Rs.				46,893.03
	B.Deduction of Salvage Value @8 %				3,751.44
	C. Total Material cost after deducting Salvage Value @8%				43,141.59
	D. Stock, Storage & Insurance @ 3% of C				1,294.25
	E. Sub Total (E=C+D)				44,435.83
	T&P @ 2% of E				888.72
	Contigency @ 3% of E				1,333.07
	Transportation @ 7.5% of E				3,332.69

Erection Charges @ 5% for Joist /WPB Pole cost including stock, storage & insurance @3%					
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					2,061.98
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					3,412.59
					55464.88
15	Stay concreting in ratio(1:2:4(0.5x0.5x0.8)Mtr.	Nos.	1	1235.58	1235.58
16	Concreting of Poles in ratio 1:1:5:9=0.375 cum	Nos.	4	2400.00	9600.00
17	Couping of Poles	Nos.	4	720.00	2880.00
18	Dismantling of 34-55 sq. mm AAAC/ACSR conductor from overhead line ,transportation,loading, unloading and staking at a proper place in safe position.	Mtr.	260	6.44	1674.40
19	Dismantling of LT Pole	No	4	500.00	2000.00
				Total Rs.	72,854.86
Total Rs.(PART-A+PART-B)					18,77,317.61
Cess @ 1%					18,773.18
Total Estimated Cost					18,96,090.79
Total Estimated Cost in Figures					18,96,091.00
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.)**