

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 :- 03 AS PER IFB

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

BID REF NO.- 48/DGM/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 KV 'V' cross arm(10.2 Kg each)	No.	1	1101.60	1101.60
2	GI Back clamp for 11 KV V Cross Arm	No.	1	108.80	108.80
3	Top F clamp for PSC Pole ,2.9 Kg	No.	1	326.40	326.40
4	Disc insulator 45 KN (T&C) Polymer	No.	9	1169.60	10526.40
5	11 KV HW fitting (T&C)45 KN	No	9	176.80	1591.20
6	11KV Pin Insulator polymer	No.	8	272.00	2176.00
7	HT stay set complete	No.	3	1428.00	4284.00
8	11KV stay insulator	No.	3	68.00	204.00
9	HT stay clamp (1.9 Kg/Pair)	pair	3	170.00	510.00
10	7/10 SWG stay wire, Grade-2 for stay, support of XLPE cable	Kg	30	102.00	3060.00
11	Earthing support coil type GI	No	2	225.76	451.52
12	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
13	GI Base Plate	No.	1	2040.00	2040.00
14	GI Nuts and Bolts of assorted size	Kg	6.25	106.08	663.00
15	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	82.8	102.00	8445.60
16	Fish plate 50x8 mm, 0.97 Kg/Mtr., each 0.280 Mtr. Length	Kg	3.259	102.00	332.42
17	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	1	34321.52	34321.52
18	9 Mtr. Long 300 KG PSC Pole	No	1	4080.00	4080.00
19	80 sq. mm AAA conductor	Km	0.2472	58480.00	14456.26
20	PG clamp 80 sq. mm AAA conductor	No	6	720.80	4324.80
21	GI Barbed wire for anticlimbing device 3 Kg per support	Kg	6	108.80	652.80
22	Back clamp for anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length	Kg	2.448	102.00	249.70
23	Danger Board	No	2	108.80	217.60
24	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

25	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	200.00	200.00
					94439.48
PART-II	Installation of 250 KVA 11/0.4KV sub station -1 No.				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	2	34321.52	68643.04
2	Top Pressure Channel 100x50x6mm 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,2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7768.32
4	Angle for mounting LT Distribution Box (50x50x6)(4.5 Kg/Mtr.)	Kg	27	102.00	2754.00
5	11KV Disc insulatorT & C,45 KN Polymer	No.	3	1169.60	3508.80
6	11KV H.W Fittings T&C 45KN	No.	3	176.80	530.40
7	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	16116.00	16116.00
8	11KV HG fuse 3 pole(400 Amp)	Set	1	15680.00	15680.00
9	11 KV LA(9 KV, 10 KA)Station class	No.	3	1360.00	4080.00
10	LT Distribution box with MCCB, Aluminium Bus bar for single bay with Kitkat Fuse for 25 KVA S/S	No	1	20304.80	20304.80
11	LT Distribution box with MCCB, Aluminium Bus bar for single bay with Kitkat Fuse for 63 KVA S/S	No	1	24917.92	24917.92
12	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
13	50 sq. mm 3.5 core LT PVC Cable Un armoured	Mtr.	15	276.08	4141.20
14	95 sq. mm 3.5 core LT PVC Cable Un armoured	Mtr.	15	452.88	6793.20
15	300 sq. mm 3.5 core LT PVC Cable Un armoured	Mtr.	15	1351.84	20277.60
16	GI flat 25x4 mm 0.8 Kg/Mtr.,67 Mtr. Length	Kg	53.6	102.00	5467.20
17	HT stay set (Complete)REC Construction standard	No.	2	1428.00	2856.00
18	HT stay Insulator, Type-C	No.	2	68.00	136.00
19	Stay clamp(1.9 Kg/Pair)	pair	2	170.00	340.00
20	7/10 SWG GI Saty wire, grade-2	Kg	20	102.00	2040.00
21	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1428.00	9996.00
22	Earthing support coil type	No	2	225.76	451.52
23	GI Nuts, Bolts and washers of assorted size	Kg	30	106.08	3182.40
24	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
25	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	2.448	102.00	249.70
26	250 KVA, 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	365092.00	365092.00
27	80 sq. mm AAAC for jumpering	Km	0.02	58480.00	1169.60
28	Saundries	No.	1	1000.00	1000.00
	PART-II				658683.54
	A.Sub Total Rs.				753,123.02
B	Stock,storage and insurance (@3% on A)				22593.69
C	TOTAL RS.				775716.71
D	T&P @ 2% of C				15514.33
E	Contingency @ 3% of C				23271.50
F	Transportation @ 7.5% of C				58178.75
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				53887.00

H	TOTAL RS.				926,568.30
29	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum @6177.92 cum	Nos.	5	1235.58	6177.90
30	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	11200.00
31	Concreting of WPB Pole in ratio 1:1:5:9=0.45 cum	Nos.	3	2880.00	8640.00
32	Concreting of Poles in ratio 1:1:5:3=0.375 cum for PSC Pole	Nos.	1	2400.00	2400.00
33	Couping of Poles in ratio 1:1:5:3,0.1125 cum for each pole@6400/per cum	No	4	720.00	2880.00
34	Transformer Plinth	No	1	32181.60	32181.60
35	Construction of Brick wall Boundary for fencing of S/S	RM	18	7300.12	131402.16
					194881.66
					1121449.96
III	LT LINE-0.130 KM				
1	Suspension clamp with I Hook	pair	3	462.40	1387.20
2	Eye Hook for (XLPE AB cable)	No	2	81.60	163.20
3	Pole clamp for Eye Hook	pair	5	272.00	1360.00
4	Conductor Dead End clamp suitable for bare messenger XLPE Aerial bunched cable(25-70 sq. mm)	No	2	88.40	176.80
5	Neutral connector Type-B suitable for main-35-70 sq. mm AAAC & Tap-2.5 to 10 sq. mm service cable cover by black weather resistant insulation cover.	No	2	44.88	89.76
6	Insulated piercing connector.Type-A-main 16 to 95 sq.mm to Tap-16 to 95 to 10 sq.mm	No	6	108.80	652.80
7	GI Nuts and Bolts of assorted size	Kg	2.91	106.08	308.69
8	3x95+1x70+1x16 sqmm LT AB Cable	Km	0.14	330480.00	45110.52
9	9 Mtr. Long 300 KG PSC Pole	No	2	4080.00	8160.00
10	10 Mtr. Long 300 KG PSC Pole	No	3	6120.00	18360.00
11	Earthing of support coil type GI	No	5	225.76	1128.80
12	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	1.31	102.00	133.62
13	GI Base Plate(500x500x10 mm) for PSC Pole(20 Kg)	No	5.00	2040.00	10200.00
14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	15	108.80	1632.00
15	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	6.12	102.00	624.24
16	Sundries (paint, binding tape etc.)	LS	1	500.00	500.00
	A.Sub Total Rs.				89,987.63
B	Stock,storage and insurance (@3% on A)				2699.63
C	TOTAL RS.				92687.26
D	T&P @ 2% of C				1853.75
E	Contingency @ 3% of C				2780.62
F	Transportation @ 7.5% of C				6951.54
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				12000.29
H	TOTAL RS.				116273.46
17	Dismantlling of existing LT Line	Span	4	500.00	2000.00
18	Dismantlling of existing LT Pole	Nos.	3	972.00	2916.00
19	Concreting of WPB Pole in ratio 1:1:5:9=0.45 cum	Nos.	5	2400.00	12000.00

20	Couping of Poles in ratio 1:1:5:3,0.1125 cum for each pole@6400/per cum	Nos.	5	720.00	3600.00
					20516.00
	Total Rs.				136,789.46
	Sub Total Rs.				1,258,239.42
	Cess @ 1%				12,582.39
	Total Estimated Cost				1,270,821.81
	Total Estimated Cost in Figures				1,270,822.00
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/-
D.M (Elect) I/C

Sd/-
DGM Engg.(Elect.)