

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 :- 05 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO AUDITORIUM AND I.T ROOM OF I.T.I AT MALKANGIRI IN THE DISTRICT OF MALKANGIRI.

BID REF NO.- 77/PM/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.
PART-I	LT 3ph 6 W line using 4x50+1x50+1X16 sqmm XLPE AB Cable-0.15 Km				
1	9 Mtr. Long 300 KG PSC Pole(Including transportation cost to store)	No	8	4080.00	32640.00
2	4x50+1x50+1X16 sqmm LT XLPE AB Cable	Km	0.36	228423.80	82346.78
3	RCC Base Plate	No	8	380.80	3046.40
4	Danger Board	No.	8	108.80	870.40
5	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	2.41	102.00	245.82
6	GI barbed wire anticlimbing device	Kg	24	108.80	2611.20
7	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	9.63	102.00	982.26
8	Pole clamp for eye Hook for AB cable	Pair	8	272.00	2176.00
9	Suspension clamp with I Hook for ABC	No.	7	462.40	3236.80
10	Eye Hook for AB Cable for Dead end point	No.	2	81.60	163.20
11	Conductor Dead End clamp suitable for bare messenger XLPE Aerial bunched cable(25-70 sq. mm)	No.	2	88.40	176.80
12	L.T Stay set (Complete)	Set	3	707.20	2121.60
13	L.T Stay Insulator	No.	3	40.80	122.40
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	3	149.60	448.80
15	7/12 SWG Stay Wire	Kg	24	102.00	2448.00
16	Earthing device coil type(GI)	No	8	225.76	1806.08

17	No.8 GI wire (Dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	2.1	102.00	214.20
18	Sundries (Al. binding tape, insulation tape, paint etc.)	Ls	1	500.00	500.00
19	GI Nuts and Bolts of assorted size	Kg	4	106.08	424.32
Total Rs.					136,581.06
PART-II	Installation of 100 KVA 11/0.4KV sub station - 1 No.				
1	WPB Pole(160x160) 11 Mtr. Long	No	2	34321.52	68643.04
2	Earthing coil	No	2	225.76	451.52
3	No.8 GI wire (Dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	28.3	102.00	2886.60
4	Top Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	53.54	102.00	5461.08
5	AB switch GI mounting channel(75x40x4.8)mm,each 2.8mtr long 4 No(7.14Kg/mtr)	K.g	39.98	102.00	4077.96
6	HG Fuse GI mounting channel(75x40x4.8)mm,each 2.8mtr long 4 No(7.14Kg/mtr)	K.g	39.98	102.00	4077.96
7	AB switch operating pipe channel support,75x40x4.8 mm ,0.625 Mtr. Long @ 7.14 Kg/Mtr.	Kg.	4.46	102.00	454.92
8	AB switch Bottom support channel support,75x40x4.8 mm ,0.330 Mtr. Long @ 7.14 Kg/Mtr.	K.g	4.71	102.00	480.42
9	Support channel for TPMO operating Rod,75x40x4.8 mm ,0.338 Mtr. Long @ 7.14 Kg/Mtr.	Kg	5.54	102.00	565.08
10	LT DB supporting channel 75x40x4.8 mm, 3.0 Mtr. Long @ 7.14 Kg/Mtr.	K.g	21.42	102.00	2184.84
11	11 KV LA(9 KV, 10 KA) DH Class	No.	3	1360.00	4080.00
12	11KV AB switch(3 pole,200A, 50Hz)Horizontal type	Set	1	9996.00	9996.00
13	11KV HG fuse (3 pole,200A)with PI	Set	1	8323.20	8323.20
14	LT Distribution Box with MCCB, Aluminium Bus Bar for 2 bay with Kitkat fuse for 100 KVA S/S .	No	1	33209.84	33209.84
15	HT stay set complete	No.	2	1428.00	2856.00
16	11KV stay insulator	No.	2	68.00	136.00
17	7/10 SWG stay wire, Grade-2	Kg	20	102.00	2040.00
18	HT stay clamp (1.9 Kg/Pair)	pair	2	170.00	340.00
19	Cable 1.1 KV AL 1Cx150 sq. mm armoured	Mtr.	32	379.44	12142.08
20	Disc insulator 70 KN (B&S) Polymer	No.	3	1564.00	4692.00
21	11 KV HW fitting (T&C)70 KN	No	3	476.00	1428.00

22	GI Nuts and Bolts of assorted size	Kg	20	106.08	2121.60
23	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1428.00	9996.00
24	100 KVA 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	159120.00	159120.00
25	25x6 mm GI flat for earthing	Kg	45	102.00	4590.00
26	55 sq. mm AAAC	Km	0.0103	40800.00	420.24
27	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					345774.38
A	Total Rs.				482,355.44
B	Stock,storage and insurance (@3% on A)				14470.66
C	TOTAL RS.				496826.10
D	T&P @ 2% of C				9936.52
E	Contingency @ 3% of C				14904.78
F	Transportation @ 7.5% of C				37261.96
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				41314.74
H	TOTAL RS.				600244.11
28	Cement concrete for Stay Anchor Plate 1:2:4,0.2 cum@6177.92	Nos.	5	1235.58	6177.90
29	Concreting of Pole in ratio 1:1:5:3, 0.375 cum	Nos.	8	2400.00	19200.00
30	Concreting of Pole in ratio 1:1:5:3, 0.45 cum	Nos.	2	2880.00	5760.00
31	Couping of Poles in ratio 1:1:5:3,0.1125 cum @6400.00	Nos.	10	720.00	7200.00
32	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00

33	<p>Plinth :-</p> <p>1) Earth work for digging of foundation plinth = 2mtr x 2mtr x 0.9mtr = 3.6 cum</p> <p>2) Filling of foundation and plinth with sand, water & rammed= 0.15mtr x 2mtr x 2mtr = 0.6 Cum</p> <p>3) CC (1:4:8) with 4cm size HBG Metal = 0.1 mtr x 2mtr x 2mtr=0.4 Cum</p> <p>4) RRHG stone machinery in coment mortar (1:6) in foundation plinth per 1 Cum (i) 0.65 mtr x 2mr x 2mtr = 2.5 Cum (ii) 1.4mtr x 1.8mtr x 1.8mtr = 4.54 Cum Total = 7.14 Cum</p> <p>5) CC (1:2:4) with 12mm size HBG chips= 0.1mtr x 1.8mtr x 1.8mtr = 0.32 Cum</p> <p>6) 8mm Rod= 1.8mtr x 13 x 2 = 46.8 mtr @0.39kg/mtr=6.8 x 0.39kg=,18.486 or 18.5 Kg</p> <p>7) 18mm thick cement plaster (1:6) over brick work & stone work = 4x1.8x1.8+1.8x1.8= 12.96+3.24=16.2 sqft.</p>	No	1	29000.00	29,000.00
34	Bricks Boundary wall	Mtr.	18	4725.80	85064.4
Total Rs.					763,846.41
Cess @1%					7,638.46
Total Estimated Cost					771,484.87
Total Estimated Cost in Figures					771,485.00
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)

Sd/-
Project Manager (Elect)