

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.nic.in****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 GOVT. ITI COLLEGE AT MATHILI IN THE DIST. OF MALKANGIRI.****BID REF NO.- 58/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. 2023-24	AMOUNT IN RS.
PART-I	LT 3ph 5 W line using 4x95+1x95+1X16 sqmm XLPE AB Cable-0.26 Km				
1	9 Mtr. Long 300 KG PSC Pole(Including transportation cost to store)	No	5	4080.00	20,400.00
2	4x95+1x95+1X16 sqmm LT XLPE AB Cable	Km	0.26	421677.76	1,09,636.22
3	RCC Base Plate	No	5	380.80	1,904.00
4	Danger Board	No.	5	108.80	544.00
5	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	1.5	102.00	153.00
6	GI barbed wire anticlimbing device	Kg	15	108.80	1,632.00
7	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	6.02	102.00	614.04
8	Pole clamp for eye Hook for AB cable	Pair	5	272.00	1,360.00
9	Suspension clamp with I Hook for ABC	No.	10	462.40	4,624.00
10	Eye Hook for AB Cable for Dead end point	No.	5	81.60	408.00
11	Conductor Dead End clamp suitable for bare messenger XLPE Aerial bunched cable(25-70 sq. mm)	No.	5	88.40	442.00
12	L.T Stay set (Complete)	Set	3	707.20	2,121.60
13	L.T Stay Insulator	No.	3	40.80	122.40
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	149.60	748.00
15	7/12 SWG Stay Wire	Kg	30	102.00	3,060.00
16	Earthing device coil type(GI)	No	5	225.76	1,128.80
17	No.8 GI wire (Dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	1.31	102.00	133.62
18	End Cap for ABC Cable	EA	5	152.00	760.00
19	GI Nuts and Bolts of assorted size	Kg	2.5	106.08	265.20
Total Rs.				1,50,056.88	
PART-II	LT 3ph 5 W line using 4x70+1x70+1X16 sqmm XLPE AB Cable-0.15 Km				

1	8 Mtr. Long 200 KG PSC Pole(Including transportation cost to store)	No	2	2720.00	5,440.00
2	4x70+1x70+1X16 sqmm LT XLPE AB Cable	Km	0.15	305000.00	47,122.50
3	RCC Base Plate	No	2	380.80	761.60
4	Danger Board	No.	2	108.80	217.60
5	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	0.6	102.00	61.20
6	GI barbed wire anticlimbing device	Kg	6	108.80	652.80
7	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.41	102.00	245.82
8	Pole clamp for eye Hook for AB cable	Pair	2	272.00	544.00
9	Suspension clamp with I Hook for ABC	No.	2	462.40	924.80
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	2	707.20	1,414.40
13	L.T Stay Insulator	No.	2	40.80	81.60
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	2	149.60	299.20
15	7/12 SWG Stay Wire	Kg	20	102.00	2,040.00
16	Earthing device coil type(GI)	No	2	225.76	451.52
17	No.8 GI wire (Dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	0.52	102.00	53.04
18	End Cap for ABC Cable	EA	5	152.00	760.00
19	GI Nuts and Bolts of assorted size	Kg	1	106.08	106.08
Total Rs.					61,516.16
PART-III	Installation of 250 KVA 11/0.4KV sub station - 1 No.				
1	9 Mtr. Long 300 KG PSC Pole(Including transportation cost to store)	No	2	4080.00	8,160.00
2	RCC Base Plate	No	2	380.80	761.60
3	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
4	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
5	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
6	Cantilever GI channel for supporting HG Fuse, (50x50x6)mm,each 1 mtr Long,2 nos(4.5Kg/mtr)	K.g	9	102.00	918.00
7	Angle for cantilever arrangement for AB switch and HG Fuse (50x50x6) 2 mtr Long,2 nos(4.5Kg/Mtr)	Kg	18	102.00	1,836.00
8	DP Belting GI Channel 75x40x6 mm channel (6.8K.g/mtr),2.8 Mtr. Long,2 Nos.	K.g	38.08	102.00	3,884.16

9	GI Bracing Angle 50x50x6 mm. 3.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	31.5	102.00	3,213.00
10	Angle for Mounting LT distribution Box (50x50x6) mm Angle(GI)- 2.5 mtr Long,2 nos(4.5Kg/Mtr)	Kg	22.5	102.00	2,295.00
11	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3,508.80
12	11 KV HW fitting (T&C)45 KN	No	3	353.60	1,060.80
13	11KV AB switch(3 pole,50Hz)	Set	1	16116.00	16,116.00
14	11KV HG fuse (3 pole)with PI	Set	1	15680.00	15,680.00
15	11 KV LA	No.	3	4828.00	14,484.00
16	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
17	HT stay set complete	No.	4	1428.00	5,712.00
18	11KV stay insulator	No.	4	68.00	272.00
19	7/10 SWG stay wire, Grade-2	Kg	40	102.00	4,080.00
20	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
21	Earthing device coil type	No	2	225.76	451.52
22	Danger Board	No.	2	108.80	217.60
23	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	102.00	61.38
24	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
25	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	102.00	245.51
26	25x6 mm GI flat(Neutral)	Kg	45	102.00	4,590.00
27	25x4 mm GI flat	Kg	20	102.00	2,040.00
28	250 KVA 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	365092.00	3,65,092.00
29	1Cx300 sq. mm LT XLPE Cable(10 Mtr.x4 nos.)	Mtr.	40	519.52	20,780.80
30	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1428.00	9,996.00
31	GI Nuts and Bolts of assorted size	Kg	36	106.08	3,818.88
32	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	2000.00	2,000.00
					5,72,298.42
A	Total Rs.				7,83,871.46
B	Stock,storage and insurance (@3% on A)				23,516.14
C	TOTAL RS.				8,07,387.60
D	T&P @ 2% of C				16,147.75
E	Contingency @ 3% of C				24,221.63
F	Transportation @ 7.5% of C				60,554.07

G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				65,438.52
H	TOTAL RS.				9,73,749.57
33	Cement concrete for Stay Anchor Plate 1:2:4,0.2 cum@6177.92	Nos.	9	1235.58	11,120.22
34	Concreting of Pole in ratio 1:1:5:3, 0.375 cum	Nos.	9	2400.00	21,600.00
35	Couping of Poles in ratio 1:1:5:3,0.1125 cum @6400.00	Nos.	9	720.00	6,480.00
36	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11,200.00
37	Plinth :- 1) Earth work for digging of foundation plinth = 2mtr x 2mtr x 0.9mtr = 3.6 cum 2) Filling of foundation and plinth with sand, water & rammed= 0.15mtr x 2mtr x 2mtr = 0.6 Cum 3) CC (1:4:8) with 4cm size HBG Metal = 0.1 mtr x 2mtr x 2mtr=0.4 Cum 4) RRHG stone machinery in coment mortor (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 5) CC (1:2:4) with 12mm size HBG chips= 0.1mtr x 1.8mtr x 1.8mtr = 0.32 Cum 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 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.	No	1	29000.00	29,000.00
38	Fencing and sand & metal spreading 1) RCC Pillar of 6ft Long 2) Cooping of Pillar with C.C 1:3:6 using 40mm HBG metal size 3) GI barbed wire @ 6.044 mtr/kg 6 Nos run=40 ft x 6= 240 ft = 73.152 mtr =12.10 kg 4) MS grill gate 1.5 mtr (h) x 1.5 mtr (w) made of 35x35x6 mm MS angel and 25x6 mm flat (Angel for out side border with horizontal & vertical crossing for i) 35x35x6 mm MS Angel= 1.5 mtr x 4=6@3 Kg/mtr=18 Kg. ii) 25x6 mm flat=1.5 mtrx8x2=24 mtr @ 1.2 Kg/Mtr=28 Kg iii) Painting of gate with 2coat. 5) Filling sand@ 1.359 Cmt 6) 40mm size HBG metal @0.679 Cmt.	No	1	16796.42	16,796.42

39	Dismantling charges of LT Line	Span	13	400.00	5,200.00
40	Dismantling charges of LT Pole	No	2	500.00	1,000.00
41	Dismantling charges of 63 KVA Tfr.	No	1	1841.22	1,841.22
42	Dismantling of pole & structure	No	1	2721.50	2,721.50
	Total Rs.				10,69,946.21
	Cess @1%				10,699.46
	Total Estimated Cost				10,80,645.67
	Total Estimated Cost in Figures				10,80,646.00
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.)**