

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 :- 18 AS PER IFB

NAME OF THE WORK :- EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO TOWN POLICE STATION BUILDING AT KORAPUT IN THE DISTRICT OF KORAPUT.

BID REF NO.- 30/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 KV 'V' cross arm(10.2 Kg each)	No.	7	1101.60	7711.20
2	GI Back clamp for 11 KV V Cross Arm	No.	7	108.80	761.60
3	Top F clamp for PSC Pole ,2.9 Kg	No.	9	326.40	2937.60
4	Disc insulator 45 KN (B&S) Polymer	No.	15	1169.60	17544.00
5	11KV Pin Insulator polymer	No.	29	272.00	7888.00
6	IPC for 100 sq. mm AAA insulated conductor	No.	15	371.00	5565.00
7	Dead end clamp	No	15	890.00	13350.00
8	Non metallic Ties 11 KV(for covered conductor)	No	29	251.00	7279.00
9	HT stay set complete	No.	13	1428.00	18564.00
10	11KV stay insulator	No.	13	68.00	884.00
11	HT stay clamp (1.9 Kg/Pair)	pair	13	170.00	2210.00
12	7/10 SWG stay wire, Grade-2 for stay, support of XLPE cable	Kg	130	102.00	13260.00
13	Earthing support coil type	No	9	225.76	2031.84
14	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	2.358	102.00	240.52
15	GI Nuts and Bolts of assorted size	Kg	26.25	106.08	2784.60
16	100x50x6 mm channel for straight cross arm,1.2 Mtr. Each ,cut point 5 Nos.	Kg	110.4	102.00	11260.80
17	Fish plate 50x8 mm, 0.97 Kg/Mtr., each 0.280 Mtr. Length	Kg	4.346	102.00	443.29
18	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	9	34321.52	308893.68
19	11 KV 1 core ,100 sq. mm XLPE insulated AAA conductor(Un-Armoured)	Km	1.11	122400.00	136157.76
20	GI Barbed wire for anticlimbing device 3 Kg per support	Kg	27	108.80	2937.60
21	Back clamp for anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length	Kg	11.016	102.00	1123.63
22	Danger Board	No	9	108.80	979.20
23	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.754	102.00	280.91
24	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	183.6	102.00	18727.20
25	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	300	102.00	30600.00
26	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	10	1428.00	14280.00
27	8 SWG GI wire	Kg	60	102.00	6120.00
28	I Hook for guarding	No	40	81.60	3264.00
29	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	900.00	900.00
					638979.43

PART-II Installation of 63 KVA 11/0.4KV sub station - 1 No.					
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	2	34321.52	68643.04
2	Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	102.00	5255.04
3	Transformer mounting channel GI(100x50x6)mm,2.8mtr long 2 Nos(9.2 Kg/mtr)	K.g	51.52	102.00	5255.04
4	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	7768.32
5	Transformer Belting GI 50x50x6mm angle 2.8 mtr long,2 Nos.(4.5 K.g/mtr)	K.g	31.5	102.00	3213.00
6	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
7	Disc insulator 45 KN (T&C) Polymer	No.	3	1169.60	3508.80
8	11 KV HW fitting (T&C)45 KN	No	3	176.80	530.40
9	11KV AB switch 3 pole(200 Amp,50 Hz)	Set	1	9996.00	9996.00
10	11KV HG Fuse 3 pole(200 Amp,50 Hz)with PI	Set	1	8323.20	8323.20
11	9 KV 10 KA LA, Station class	No.	3	1360.00	4080.00
12	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
13	LT 3.5 core 95 sq. mm LT XLPE cable(Un-Armoured)	Mtr.	15	452.88	6793.20
14	GI flat 25x3 mm 0.6 Kg/Mtr.	Kg	54	102.00	5508.00
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 GI	No	2	225.76	451.52
21	No.6 GI wire Dia 4.8 mm	Kg	30	102.00	3060.00
22	GI Nuts and Bolts of assorted size	Kg	25	106.08	2652.00
23	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
24	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
25	Danger Board	No	2	108.80	217.60
26	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.612	102.00	62.42
27	63 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	117640.00	117640.00
28	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					301436.00
III	LT LINE-0.315 KM				
1	L.T Stay set (Complete)	Set	2	707.20	1414.40
2	L.T Stay Insulator	No.	2	40.80	81.60
3	L.T Stay Clamp(1.4 K.g/Pair)	Pair	2	149.60	299.20
4	7/12 SWG Stay Wire	Kg	16	102.00	1632.00
5	Suspension clamp with I Hook	pair	7	462.40	3236.80
6	Eye Hook for (XLPE AB cable)	No	4	81.60	326.40
7	Pole clamp for Eye Hook	pair	11	272.00	2992.00
8	Conductor Dead End clamp suitable for bare messenger XLPE Aerial bunched cable(25-70 sq. mm)	No	4	88.40	353.60
9	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
10	Insulated piercing connector.Type-A-main 16 to 95 sq.mm to Tap-16 to 95 to 10 sq.mm	No	8	108.80	870.40
11	GI Nuts and Bolts of assorted size	Kg	7.178	106.08	761.44
12	3x50+1x35+1x16 sqmm LT AB Cable	Km	0.33	190400.00	63022.40
13	9 Mtr. Long 300 KG PSC Pole	No	9	4080.00	36720.00
14	Earthing of support coil type GI	No	9	225.76	2031.84
15	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	2.358	102.00	240.52
16	GI Base Plate(500x500x10 mm) for PSC Pole(20 Kg)	No	9.00	2040.00	18360.00
17	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	27	108.80	2937.60
18	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	11.016	102.00	1123.63

19	Sundries (paint, binding tape etc.)	LS	1	900.00	900.00
					137393.59
	A.Sub Total Rs.				10,77,809.02
B	Stock, storage and insurance (@3% on A)				32334.27
C	TOTAL RS.				1110143.29
D	T&P @ 2% of C				22202.87
E	Contingency @ 3% of C				33304.30
F	Transportation @ 7.5% of C				83260.75
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				89289.98
H	TOTAL RS.				1338201.18
20	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum @6177.92 cum	Nos.	19	1235.58	23476.02
21	Materials for Masonary work for earth pit, charcoal, salt etc. including construction of earthing chamber (size - 2"x2") and RCC slab cover.	Ls	17	1600.00	27200.00
22	Concreting of WPB Pole in ratio 1:1:5:9=0.45 cum	Nos.	11	2880.00	31680.00
23	Concreting of Poles in ratio 1:1:5:3=0.375 cum for PSC Pole	Nos.	9	2400.00	21600.00
24	Couping of Poles in ratio 1:1:5:3, 0.1125 cum for each pole @6400/per cum	Nos.	20	720.00	14400.00
25	Construction of Brick wall Boundary for fencing of S/S	RM	12	7300.12	87601.44
					205957.46
	Total Rs.				15,44,158.64
	Cess @ 1%				15,441.59
	Total Estimated Cost				15,59,600.23
	Total Estimated Cost in Figures				15,59,600.00
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.)