

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 :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO CYBER CRIME POLICE STATION AND DPO EXTENSION BUILDING AT KANDHAMAL IN THE DISTRICT OF KANDHAMAL.

BID REF NO.- 04/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	3 phase 3W 11 KV line with 55 Sq. mm AAAC-0.06 Km				
1	11 Mtr Long (160x152)mm WPB GI Pole(30.44 Kg/mtr)	No	2	34321.52	68643.04
2	Earthing Device/ support coil type(GI)	No	2	215.80	431.60
3	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1	97.50	51.09
4	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 2 Nos,0.2 Mtr. Long 2Nos.(including tapping point)	Kg	25.76	97.50	2511.60
5	11 KV 'V' cross arm(10.2 Kg each)	No.	2	1053.00	2106.00
6	11 KV F clamp 2.9 Kg each	No	2	312.00	624.00
7	GI Back clamp for 11 KV V Cross Arm	No.	2	104.00	208.00
8	Galvanisation of MS Materials	Kg	26.2	13.00	340.60
9	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
10	Hard ware fitting 45 KN (B&S) 2 bolted	No.	3	338.00	1014.00
11	PG clamp for 55 sq. mm AAAC	No	3	624.00	1872.00
12	Fish Plate 50x8 mm, 3.14 Kg/mtr., each	Kg	2.638	97.50	257.21
13	11 Kv pin insulator	No	8	260.00	2080.00
14	HT stay set complete	No.	1	1365.00	1365.00
15	11KV stay insulator Polymer	No.	1	65.00	65.00
16	7/10 SWG stay wire	Kg	10	97.50	975.00
17	HT stay clamp (1.9 Kg/Pair)	pair	1	162.50	162.50
18	55 sq. mm AAAC	Km	0.1854	39000.00	7230.60
19	GI Nuts and Bolts of assorted size	Kg	2	101.40	202.80
20	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
21	Back clamp for ACD(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.448	97.50	238.68
22	Danger Board	No	2	104.00	208.00
23	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.612	97.50	59.67

24	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	150.00	150.00
					94774.39
PART-II	Installation of 100 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)	No	2	34321.52	68643.04
2	Earthing Device coil type GI	No	2	215.80	431.60
3	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1	97.50	51.09
4	Top Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	97.50	5023.20
5	Transformer mounting GI channel100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	97.50	5023.20
6	AB switch &HG fuse mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	97.50	7425.60
7	Cantilever GI Channel for supporting AB switch Arm 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	97.50	1326.00
8	Cantilever GI Angle for supporting AB Switch 50x50x6mm. 1 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	18	97.50	1755.00
9	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	K.g	22.5	97.50	2193.75
10	11 KV Disc insulator 45 KN (B&S) Polymer	No.	3	1495.00	4485.00
11	11 KV HW fitting (B&S)type ,3 Bolted	No	3	455.00	1365.00
12	11KV AB switch(3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
13	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
14	9KV 10KA LA, Station class	No.	3	1300.00	3900.00
15	HT stay set complete	No.	2	1365.00	2730.00
16	11KV stay insulator	No.	2	65.00	130.00
17	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00
18	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
19	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	152100.00	152100.00
20	LT Distribution Box with MCCB, Aluminium Bus Bar for 2- bay with Kitkat fuse for 100 KVA S/S .	No	1	31744.70	31744.70
21	1 core 150 sq. mm LT XLPE cable, 4 Nos. ,10 Mtr. Each	Mtr.	40	362.70	14508.00
22	55 sq. mm AAAC for jumpering	Km	0.05	39000.00	1950.00
23	PG clamp for 55 sq. mm AAAC	No	3	624.00	1872.00
24	Fish Plate 0.661 Kg/item	Kg	3	64.44	193.32
25	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1365.00	9555.00
26	25x6 mm GI flat(Neutral)	Kg	10	97.50	975.00
27	25x4 mm GI flat(for others)	Kg	60	97.50	5850.00
28	GI Nuts and Bolts of assorted size	Kg	25	101.40	2535.00
29	Danger Board	No.	2	104.00	208.00
30	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.6018	97.50	58.68

31	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
32	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	97.50	234.68
33	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					347676.86
PART-III	Construction of LT 3ph 5 W line using 3x95+1x70+1x16 sqmm XLPE AB Cable=0.260 Km				
1	9 Mtr Long 300 KG PSC Pole	No	10	3900.00	39000.00
2	GI Base plate for support (500x500x10)mm for support,20 Kg each	No	10	408.00	4080.00
3	Earthing device coil type	No	10	215.80	2158.00
4	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	3	97.50	255.45
5	Pole clamp for eye Hook for AB cable	pair	10	260.00	2600.00
6	Dead end clamp + I Hook	No	14	162.50	2275.00
7	Suspension clamp with I Hook	No.	3	442.00	1326.00
8	3x95+1x70+1x16 sqmm XLPE AB Cable	Km	0.27	315900.00	86240.70
9	L.T Stay set (Complete)	Set	7	676.00	4732.00
10	L.T Stay Insulator	No.	7	39.00	273.00
11	L.T Stay Clamp(1.4 K.g/Pair)	Pair	7	143.00	1001.00
12	7/12 SWG Stay Wire	Kg	56	97.50	5460.00
13	GI Nuts, Bolt and washer	Kg	10	101.40	1014.00
14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	30	104.00	3120.00
15	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	12.04	97.50	1173.90
16	Danger Board	No.	10	104.00	1040.00
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	3.01	97.50	293.48
18	Sundries(Paint , clamp connectors, Binding tape etc.)	LS	1	300.00	300.00
					156342.53
PART-IV	SERVICE CONNECTION				
1	3.5 Core 35 sq. mm LT PVC cable(Un armoured)	Mtr.	25	197.60	4940.00
2	No. 8 SWG GI wire	Kg	3	97.50	292.50
3	200 Amp Kit-Kat Fuse	No	3	647.50	1942.50
4	GI service connection Bracket	No	1	351.00	351.00
5	Sundries	Ls	1	100.00	100.00
					7626.00
	A.Sub Total Rs.				606419.77
B	Stock,storage and insurance (@3% on A)				18192.59
C	TOTAL RS.				624612.36

D	T&P @ 2% of C				12492.25
E	Contingency @ 3% of C				18738.37
F	Transportation @ 7.5% of C				46845.93
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				51574.85
H	TOTAL RS.				754263.76
6	Stay Concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum, @ 6177.92	Nos.	10	1235.58	12355.80
7	Concreting of 11 Mtr. WPB Pole in ratio 1:1:5:3=0.45 cum +Couping of Poles in ratio 1:1:5:3,0.11875 cum @6400	Nos.	4	3600.00	14400.00
8	Concreting of 9 Mtr. Pole in ratio 1:1:5:3=0.375cum	Nos.	10	2400.00	24000.00
9	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
10	Plinth for the S/S	Nos.	1	21270.00	21270.00
11	Construction of Brick wall Boundary for fencing of DPM S/S in the size of 4x4 Mtr.@7300.12 /RM considering Height above Ground Level -1.65 Mtr. and below Ground depth-1.2 Mtr. including cost of Fabrication ,installation of MS gate(1.5x1.65)	RM	14.50	7,300.12	105851.74
				Total Rs.	1,89,077.54
	Total Rs.				9,43,341.30
	Cess @ 1%				9,433.41
	Total Estimated Cost				9,52,774.71
	Total Estimated Cost in Figures				9,52,775.00
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(Elect) I/C

Sd/-
Project Manager(Elect.)