

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 :- 15 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO POLICE STATION BUILDING AT KORKUNDA IN THE DISTRICT OF MALKANGIRI.

BID REF NO.- 92/PM/ELECT/OPHWC/2023-24

**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	11 KV LINE -0.32 KM				
1	10 Mtr. Long 150X150 mm GI joist Pole(34.6 Kg/Mtr.)	No.	5	33735.00	168675.00
2	11 Mtr. Long 150X150 mm GI joist Pole(34.6 Kg/Mtr.)	No.	2	32818.5	65637.00
3	Straight cross arm channel 100x50x5 mm ,9.56 Kg/Mtr.,each channel length 1.2 Mtr.	Kg	206.5	97.5	20133.75
4	Straight cross arm Top channel 100x50x5 mm ,9.56 Kg/Mtr.,each channel length 0.306 Mtr.	Kg	52.66	97.5	5134.35
5	Fish Plate 50x8 mm,0.97 Kg/Mtr., each 0.280 mtr. Length	Kg	5.43	97.5	529.43
6	11 KV 'V' cross arm(10.2 Kg each)	No.	4	1053.00	4212.00
7	Back clamp for 11 KV V Cross Arm	No.	4	104.00	416.00
8	Top Bracket 100x50x6 mm GI channel	No.	4	312.00	1248.00
9	Danger Board	No.	7	104.00	728.00
10	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	2.11	97.50	205.73
11	GI barbed wire anticlimbing device	Kg	21	104.00	2184.00
12	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	8.43	97.50	821.93
13	11KV Pin Insulator polymer	No.	27	260.00	7020.00
14	HT stay set complete	No.	9	1365.00	12285.00
15	11KV stay insulator	No.	9	65.00	585.00
16	HT stay clamp (1.9 Kg/Pair)	pair	9	162.50	1462.50
17	7/10 SWG stay wire, Grade-2	Kg	90	97.50	8775.00
18	Earthing support coil type	No	7	215.80	1510.60
19	GI Nuts and Bolts of assorted size	Kg	23	101.40	2332.20
20	55 sq. mm AAAC	Km	0.9888	39000.00	38563.20
21	Disc insulator 70 KN (B&S) Polymer	No.	27	1118.00	30186.00

22	11 KV HW fitting (B&S)3 bolted	Set	27	169.00	4563.00
23	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.83	97.50	178.43
A.Sub Total Rs.					377386.10
Deducting salvage Value @ 8%					347195.21
II	11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING-1 No.				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2)	Kg	42.84	97.50	4176.90
2	Eye Bolt(along with 2 nuts, 1 flat, and spring washer each.)	No	4	421.00	1684.00
3	25x6 mm GI flat	Kg	20	97.50	1950.00
4	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1365.00	2730.00
5	No-6 GI wire (0.192 Kg/Mtr.)	Kg	10	97.50	975.00
6	No-8 GI wire (0.131 Kg/mtr.)	Kg	12	97.50	1170.00
7	Ms Nut, bolt and washer	Kg	5	101.40	507.00
B.Sub Total Rs.					13192.90
III	LT 3ph 5 W line using 4x50+1x50+1X16 sqmm XLPE AB Cable-0.47 Km				
1	8 Mtr. Long 200 KG PSC Pole(Including transportation cost to store)	No	16	2600.00	41600.00
2	4x50+1x50+1X16 sqmm LT XLPE AB Cable	Km	0.47	228423.80	107724.66
3	RCC Base Plate	No	16	364.00	5824.00
4	Danger Board	No.	16	104.00	1664.00
5	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	4.81	97.50	468.98
6	GI barbed wire anticlimbing device	Kg	48	104.00	4992.00
7	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	19.26	97.50	1877.85
8	Pole clamp for eye Hook for AB cable	Pair	16	260.00	4160.00
9	Suspension clamp with I Hook for ABC	No.	16	442.00	7072.00
10	Eye Hook for AB Cable for Dead end point	No.	8	65.00	520.00
11	Conductor Dead End clamp suitable for bare messenger XLPE Aerial bunched cable(25-70 sq. mm)	No.	8	162.50	1300.00
12	L.T Stay set (Complete)	Set	9	676.00	6084.00
13	L.T Stay Insulator	No.	9	1365.00	12285.00
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	9	215.80	1942.20
15	7/12 SWG Stay Wire	Kg	90	97.50	8775.00
16	Earthing device coil type(GI)	No	16	215.80	3452.80
17	No.8 GI wire (Dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	4.19	97.50	408.53
18	End Cap for ABC Cable	No	10	152.00	1520.00
19	GI Nuts and Bolts of assorted size	Kg	8	101.40	811.20
C.Sub Total Rs.					212,482.21
PART-IV	63 KVA 11/0.4KV sub station -01 No.				
1	9 Mtr. Long 300 KG PSC Pole	No	2	3900.00	7800.00

2	Pressure Channel (GI)100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
3	Transformer mounting Channel(GI) 100x50x6mm channel 2.8 mtr long,2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
4	AB switch &HG fuse mounting channel(GI)(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	97.50	7425.60
5	Cantilever Channel for supporting HG Fuse 75x40x6 mm GI channel,1 Mtr. Long 2 Nos.(6.8 Kg/Mtr.)	Kg.	13.6	97.50	1326.00
6	Cantilever Channel for supporting HG Fuse 50x50x6 mm GI channel,1 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg.	9	97.50	877.50
7	Angle for Cantilever arrangement for AB switch & HG Fuse chanel 50x50x6 mm ,2 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg.	18	97.50	1755.00
8	Transformer belting 50x50x6 mm angel 2.8 mtr long,2 Nos.(4.5K.g/mtr)with side angel total 7 Mtr.	Kg.	31.5	97.50	3071.25
9	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	22.5	97.50	2193.75
10	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
11	11 KV HW fitting (B&S)2 bolted	No.	3	338.00	1014.00
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	12KV 10KA LA, Station class	No.	3	4615.00	13845.00
15	LT Distribution box with MCCB, Aluminium Bus bar of single bay Kitkat Fuse for 63 KVA S/S	No	1	23818.60	23818.60
16	HT stay set (Complete)	No.	2	1365.00	2730.00
17	stay Insulator, Type-C	No.	2	65.00	130.00
18	Stay clamp	pair	2	162.50	325.00
19	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1950.00
20	Earthing coil for support	No	2	215.80	431.60
21	Danger Board	No.	2	104.00	208.00
22	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
23	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
24	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.41	97.50	234.98
25	RCC Base Plate	No	1	364.00	364.00
26	25x6 mm GI flat for earthing	Kg	45	97.50	4387.50
27	25x4 mm GI Flat(LA)	Kg	20	97.50	1950.00
28	63 KVA ,11/0.4 Kv (CU) Transformer BIS Energy Level-II	No.	1	156130.00	156130.00
29	LT 1 core 95 sq. mm PVC cable(Un-armoured)	Mtr	40	191.10	7644.00

30	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	7	1365.00	9555.00
31	GI nut,bolt & washers	Kg	36	101.40	3650.40
32	Sundries for PG clamp connector and jumpering materials ,socket & other cable Accessories(Al binding tape, insulation tape etc.)	LS	1	2000.00	2000.00
D.Sub Total Rs.					286412.25
A	TOTAL MATERIAL COST			859,282.57	
B	Stock, Storage & Insurance @ 3% of A			25,778.48	
C	Sub Total (C=A+B)			885,061.05	
D	Contingency @3% of C			26,551.83	
E	T & P 2% of C			17,701.22	
F	Transportation @ 7.5% of C			66,379.58	
G	Erection Charges for PSC Pole @ 20%			10,176.40	
H	Erection Charges of DTR and Joist Poles @ 5%			19,142.40	
I	Erection Charges of other @ 10%			45,133.11	
J	Sub Total Rs.			1,070,145.59	
33	Cement Concrete for stay anchor plate CC foundation 1:3:6 size by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	20	1270.00	25400.00
34	Cement Concreting for support with C.C with coupling 1:3:6 by using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum+Couping with C.C .1:3:6 using 12 mm size HBG metal= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	23	1460.00	33580.00
35	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal and RCC cover etc.	No	9	1600.00	14400.00
36	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	16796.42
D.Sub Total Rs.					1,160,322.01
37	Dismantling charges of existing HT Poles	No	5	972.00	4,860.00
38	Dismantling charges of existing LT Lines	No	6	500.00	3,000.00
Total Rs.					1,168,182.01

	Cess @ 1%				11,681.82
	Total Estimated Cost				1,172,003.83
	Total Estimated Cost in Figures				1,172,004.00
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/-
Dy. Manager (Elect) I/C**

**Sd/-
Project Manager(Elect.)**