

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 :- 04 AS PER IFB

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

BID REF NO.- 87/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				
1	11 KV 'V' cross arm(10.2 Kg each)	No.	6	1053.00	6318.00
2	GI Back clamp for 11 KV V Cross Arm	No.	6	104.00	624.00
3	Top F clamp for PSC Pole ,2.9 Kg	No.	8	312.00	2496.00
4	Disc insulator 45 KN (B&S) Polymer	No.	15	1118.00	16770.00
5	11 KV HW fitting (B&S)2 bolted	No	15	169.00	2535.00
6	11KV Pin Insulator polymer	No.	26	260.00	6760.00
7	HT stay set complete	No.	5	1365.00	6825.00
8	11KV stay insulator	No.	5	65.00	325.00
9	HT stay clamp (1.9 Kg/Pair)	pair	5	162.50	812.50
10	7/10 SWG stay wire, Grade-2	Kg	50	97.50	4875.00
11	Earthing support coil type	No	8	215.80	1726.40
12	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	2.096	97.50	204.36
13	GI Base plate for support	No	8	1950.00	15600.00
14	GI Nuts and Bolts of assorted size	Kg	19	101.40	1926.60
15	100x50x6 mm channel for straight cross arm,1.2 Mtr. Each 2 Nos,0.3 Mtr. Long 2 Nos. @9.2 Kg/Mtr.	Kg	138	97.50	13455.00
16	Fish plate, 50x8 mm, 0.97 Kg/mtr.,each 0.2820 mtr. Length	Kg	4.3456	97.50	423.70
17	11 Mtr. Long 150x150 mm GI Joist Pole (30.6 Kg/Mtr.)	No	8	32818.50	262548.00
18	55 sq. mm AAAC	Km	0.91	39000.00	35550.45
19	PG clamp for 55 sq. mm AAAC	No	9.00	624.00	5616.00
20	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	24	104.00	2496.00
21	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	9.792	97.50	954.72
22	Danger Board	No.	8	104.00	832.00

23	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	2.448	97.50	238.68
24	75x40x6 mm ,channel for straight cross arm,2.4+0.3 Mtr.@ 6.8 Kg/Mtr.(2 Nos.)for providing support for road crossing with galvanisation	Kg	36.72	97.50	3580.20
25	No.6 GI wire(Dia 4.8 mm)40 Kg for 1 Nos. guarding & 20 Kg for 2 Nos. earthing at both sides of Road crossing guarding .	Kg	60	97.50	5850.00
26	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	2	1365.00	2730.00
27	8 SWG Gi wire for cross lacing	Kg	12	97.50	1170.00
28	Eye Hook	No	8	78.00	624.00
29	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
A.Sub Total Rs.					4,04,866.61
B	Stock,storage and insurance (@3% on A)				12146.00
C	TOTAL RS.				417012.60
D	T&P @ 2% of C				8340.25
E	Contingency @ 3% of C				12510.38
F	Transportation @ 7.5% of C				31275.95
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				28180.04
H	TOTAL RS.				4,97,319.22
30	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	5	1270.00	6350.00
31	Cement Concreting for support with C.C. 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.	8	1460.00	11680.00
32	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	4	1600.00	6400.00
Total Rs.(Part-I)					5,21,749.22
PART-II	63 KVA 11/0.4KV sub station				
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	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
6	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	9	97.50	877.50
7	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
8	11 KV HW fitting (B&S)2 bolted	No.	3	169.00	507.00
9	11KV AB switch(3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
10	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
11	12KV 10KA LA, Station class	No.	3	4615.00	13845.00
12	LT Distribution box with MCCB, Aluminium Bus bar of single bay Kitkat Fuse for 63 KVA S/S	No	1	23818.60	23818.60
13	LT 3.5 core 95 sq. mm PVC cable(Un-armoured)	Mtr	15	432.90	6493.50
14	HT stay set (Complete)	No.	2	1365.00	2730.00
15	stay Insulator, Type-C	No.	2	65.00	130.00
16	Stay clamp	pair	2	162.50	325.00
17	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1950.00
18	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	5	1365.00	6825.00
19	Earthing coil for support	No	2	215.80	431.60
20	No. 6 GI wire for earthing	Kg	50	97.50	4875.00
21	GI Base plate for support	No	2	1950.00	3900.00
22	GI nut,bolt & washers	Kg	25	101.40	2535.00
23	Sundries (Al. binding tape, insulation tape, paint fencing metal spreading ,Anticlimbing Device,danger board etc.)	LS	1	1000.00	1000.00
24	63 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II	No.	1	112450.00	112450.00
25	55 sq. mm AAAC	Km	0.02	39000.00	780.00
	A.Sub Total Rs.				2,32,681.45
B	Stock,storage and insurance (@3% on A)				6980.44
C	TOTAL RS.				239661.89
D	T&P @ 2% of C				4793.24
E	Contingency @ 3% of C				7189.86
F	Transportation @ 7.5% of C				17974.64
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				18978.42
H	TOTAL RS.				2,88,598.05
26	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	2	1270.00	2540.00

27	Cement Concreting for support with C.C. 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.	2	1460.00	2920.00
28	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	5	1600.00	8000.00
29	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
Total Rs.(Part-II)					3,18,854.47
PART-III LT LINE					
1	L.T Stay set (Complete)	Set	5	676.00	3380.00
2	L.T Stay Insulator	No.	5	39.00	195.00
3	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	143.00	715.00
4	7/12 SWG Stay Wire	Kg	40	97.50	3900.00
5	Suspension clamp with I Hook for ABC	No.	7	442.00	3094.00
6	Eye Hook for XLPE AB Cable	No.	6	78.00	468.00
7	Dead end clamp suitable for XLPE cable	No	6	84.50	507.00
8	Pole clamp for eye Hook for AB cable	pair	13	260.00	3380.00
9	Neutral connector ,Type-B suitable for main 35-70 sq. mm AAAC & Tap-2.5 to10 sq. mm service cable cover by black weather resistant insulation cover.	No	3	42.90	128.70
10	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	Mno	9	104.00	936.00
11	GI Nuts and Bolts of assorted size	Kg	9.506	101.40	963.91
12	3x50+1x35 sqmm LT XLPE AB Cable	Km	0.24	169000.00	40813.50
13	8 Mtr. Long 200 KG PSC Pole(Including stud pole)	No	10	2600.00	26000.00
14	Earthing device coil type(GI)	No	10	215.80	2158.00
15	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	2.62	97.50	255.45

16	GI base palte(500x500x10 mm) for PSC Pole(20 kg)	No	10	1950.00	19500.00
17	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	30	104.00	3120.00
18	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	12.24	97.50	1193.40
19	Sundries (paint, binding tape etc.)	LS	1	1000.00	1000.00
A.Sub Total Rs.					1,11,707.96
B	Stock, storage and insurance (@3% on A)				3351.24
C	TOTAL RS.				115059.20
D	T&P @ 2% of C				2301.18
E	Contingency @ 3% of C				3451.78
F	Transportation @ 7.5% of C				8629.44
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				14183.92
H	TOTAL RS.				143625.52
20	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	5	1270.00	6350.00
21	Cement Concreting for support with C.C. 1:3:6 by using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	10	1270.00	12700.00
Total Rs(PART-III)					162675.52
Total Estimated Cost					10,03,279.21
Cess @1%					10,032.79
Total Estimated Cost					10,13,312.00
Total Estimated Cost in Figures					10,13,312.00
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 IC (Elect)**

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