

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 :- 03 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO OUT POST BUILDING AT GIRLIGUMMA IN THE DISTRICT OF KORAPUT.

BID REF NO.- 50/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.	4	1053.00	4,212.00
2	GI Back clamp for 11 KV V Cross Arm	No.	4	104.00	416.00
3	Top F clamp for PSC Pole ,2.9 Kg	No.	4	312.00	1,248.00
4	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3,354.00
5	11 KV HW fitting (B&S)2 bolted	No	3	169.00	507.00
6	11KV Pin Insulator polymer	No.	14	260.00	3,640.00
7	HT stay set complete	No.	1	1365.00	1,365.00
8	11KV stay insulator	No.	1	65.00	65.00
9	HT stay clamp (1.9 Kg/Pair)	pair	1	162.50	162.50
10	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1,950.00
11	Earthing support coil type	No	4	215.80	863.20
12	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.048	97.50	102.18
13	GI Base Plate for support	No	4	1950.00	7,800.00
14	GI Nuts and Bolts of assorted size	Kg	10.5	101.40	1,064.70
15	100x50x6 mm channel for straight cross arm,1.2 Mtr. Each 2 Nos,0.3 Mtr. Long 2 Nos. @9.2 Kg/Mtr. For 180 degree CP 4 Nos. & 0.3 Mtr. Long 04 Nos.@ 9.2 Kg/Mtr. For 90 degree CP.	Kg	27.6	97.50	2,691.00
16	Fish plate, 50x8 mm, 0.97 Kg/mtr.,each 0.2820 mtr. Length	Kg	1.0864	97.50	105.92
17	10 Mtr Long 400 KG PSC Pole	No	4	9100.00	36,400.00
18	11 KV 1 core 100 sq. mm XLPE insulated AAA conductor(unarmoured)	Km	0.7725	117000.00	90,382.50
19	PG clamp for 100 sq. mm conductor	No	3	754.00	2,262.00
20	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	12	104.00	1,248.00

21	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	4.896	97.50	477.36
22	Danger Board	No.	4	104.00	416.00
23	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.224	97.50	119.34
24	75x40x6 mm ,channel for straight cross arm,1.5 Mtr.@ 6.8 Kg/Mtr.(4 Nos.)for road crossing with galvanisation	Kg	36.72	97.50	3,580.20
25	No.6 GI wire for road cross guarding & earthing	Kg	60	97.50	5,850.00
26	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	2	1365.00	2,730.00
27	8 SWG Gi wire for cross lacing	Kg	12	97.50	1,170.00
28	Eye Hook	No	8	78.00	624.00
29	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	400.00	400.00
A.Sub Total Rs.					175,205.90
B	Stock,storage and insurance (@3% on A)				5,256.18
C	TOTAL RS.				180,462.08
D	T&P @ 2% of C				3,609.24
E	Contingency @ 3% of C				5,413.86
F	Transportation @ 7.5% of C				13,534.66
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				21,795.40
H	TOTAL RS.				224,815.24
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.	1	1270.00	1,270.00
31	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	2	1600.00	3,200.00
32	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.	4	1460.00	5,840.00
Total Rs.(Part-I)					235,125.24
PART-II	25 KVA 11/0.4KV sub station				
1	9 Mtr. Long 300 KG PSC Pole	No	2	3900.00	7,800.00
2	Pressure Channel (GI)100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5,023.20

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	5,023.20
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	7,425.60
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	3,071.25
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	3,354.00
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	9,555.00
10	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7,956.00
11	12KV 10KA LA, Station class	No.	3	4615.00	13,845.00
12	LT Distribution box with MCCB, Aluminium Bus bar of single bay Kitkat Fuse for 25 KVA S/S	No	1	19409.00	19,409.00
13	LT 3.5 core 50 sq. mm PVC cable(Un- armoured)	Mtr	15	263.90	3,958.50
14	HT stay set (Complete)	No.	2	1365.00	2,730.00
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	1,950.00
18	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	5	1365.00	6,825.00
19	Earthing coil for support	No	2	215.80	431.60
20	No. 6 GI wire for earthing	Kg	50	97.50	4,875.00
21	GI base Plate for support	No	2	1950.00	3,900.00
22	GI nut,bolt & washers	Kg	25	101.40	2,535.00
23	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1,000.00
24	25 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II	No.	1	69940.00	69,940.00
25	55 sq. mm AAAC	Km	0.02	39000.00	780.00
A.Sub Total Rs.					183,226.85
B	Stock,storage and insurance (@3% on A)				5,496.81
C	TOTAL RS.				188,723.66
D	T&P @ 2% of C				3,774.47
E	Contingency @ 3% of C				5,661.71
F	Transportation @ 7.5% of C				14,154.27
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				16,073.86
H	TOTAL RS.				228,387.97
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	2,540.00

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	2,920.00
28	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	5	1600.00	8,000.00
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	16,796.42
Total Rs.(Part-I)					258,644.39
PART-III LT 3ph 5 W line using 3x35+1x25 sqmm XLPE AB Cable					
1	L.T Stay set (Complete)	Set	1	676.00	676.00
2	L.T Stay Insulator	No.	1	39.00	39.00
3	L.T Stay Clamp(1.4 K.g/Pair)	Pair	1	143.00	143.00
4	7/12 SWG Stay Wire	Kg	8	97.50	780.00
5	Suspension clamp with I Hook for ABC	No.	2	442.00	884.00
6	Eye Hook for XLPE AB Cable	No.	2	78.00	156.00
7	Dead end clamp suitable for XLPE cable	No	2	84.50	169.00
8	Pole clamp for eye Hook for AB cable	pair	5	260.00	1,300.00
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	1	42.90	42.90
10	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	Mno	3	104.00	312.00
11	GI Nuts and Bolts of assorted size	Kg	2.716	101.40	275.40
12	3x35+1x25 sqmm LT XLPE AB Cable	Km	0.17	140400.00	23,587.20
13	8 Mtr. Long 200 KG PSC Pole	No	4	2600.00	10,400.00
14	Earthing device coil type(GI)	No	4	215.80	863.20
15	No.8 GI wire (Dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	1.048	97.50	102.18

16	Base Plate(500x50x100)for PSC Pole(20 Kg)	No	4	1950.00	7,800.00
17	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	12	104.00	1,248.00
18	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	4.896	97.50	477.36
19	Sundries (paint, binding tape etc.)	LS	1	500.00	500.00
A.Sub Total Rs.					49,755.24
B	Stock, storage and insurance (@3% on A)				1,492.66
C	TOTAL RS.				51,247.90
D	T&P @ 2% of C				1,024.96
E	Contingency @ 3% of C				1,537.44
F	Transportation @ 7.5% of C				3,843.59
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				6,196.30
H	TOTAL RS.				63,850.19
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.	1	1270.00	1,270.00
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.	4	1270.00	5,080.00
Total Rs(PART-III)					70,200.19
Total Estimated Cost					563,969.82
Total Estimated Cost in Figures					563,970.00
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/-
Asst. Project Manager (Elect) (Hqr)

Sd/-
Project Manager(Elect.)