

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
Ph: 0674-2541545, 2542921, Fax: 0674-2541543
E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-F TYPE QUARTERS AT POLOSARA POLICE STATION IN THE DISTRICT OF GANJAM.

BID REF NO.- 89/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	3 phase 3W 11 KV line with 80 sq. mm AAAC -0.4 Km.				
1	11 KV 'V' cross arm(10.2 Kg each)	No.	9	1053.00	9477.00
2	GI Back clamp for 11 KV V Cross Arm	No.	9	104.00	936.00
3	11 KV F clamp 2.9 Kg each	No	9	312.00	2808.00
4	Top Bracket 100x50x6 mm MS Channel(2 Kg each)	No	5	195.00	975.00
5	Disc insulator 45 KN (T&C) Polymer	No.	15	1118.00	16770.00
6	11 KV HW fitting (T&C)45 KN	No	15	169.00	2535.00
7	11KV Pin Insulator polymer	No.	42	260.00	10920.00
8	HT stay set complete	No.	5	1365.00	6825.00
9	11KV stay insulator	No.	5	65.00	325.00
10	7/10 SWG stay wire, Grade-2	Kg	40	97.50	3900.00
11	HT stay clamp (1.9 Kg/Pair)	pair	5	162.50	812.50
12	Earthing support coil type	No	11	215.80	2373.80
13	GI Base plate (500x500x10)mm for support,20 Kg each	No	11	1950.00	21450.00
14	GI Nuts and Bolts of assorted size	Kg	20	101.40	2028.00
15	100x50x6 mm GI channel for straight cross arm,1.2 Mtr.x8 Pcs on each pole,9.2 Kg/Mtr.for tapping and cut point pole	Kg	88.32	97.50	8611.20
16	11 Mtr. Long 160x152 GI WPB Pole (30.44 Kg/Mtr.)	No	11	34321.52	377536.72
17	80 sq. mm AAAC	Km	1.236	55900.00	69092.40
18	No.6 GI wire for 02 Nos. Guarding	Kg	60	97.50	5850.00
19	100x50x6 mm GI channel for straight cross arm,1.5 Mtr.x8 Pcs ,9.2 Kg/Mtr.for2 Nos. of guarding	Kg	110.4	97.50	10764.00
20	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	2	1365.00	2730.00
21	GI Flat 25x4 mm for earthing of guarding	Kg	40	97.50	3900.00
22	Galvanisation of all MS & RS materials	Kg	326.62	13.00	4246.06
23	Sundries (danger board, anticlimbing device etc.)	LS	1	4000.00	4000.00

	TOTAL RS.				568865.68
	A.Sub Total Rs.				5,68,865.68
B	Stock,storage and insurance (@3% on A)				17065.97
C	TOTAL RS.				585931.65
D	T&P @ 2% of C				11718.63
E	Contingency @ 3% of C				17577.95
F	Transportation @ 7.5% of C				43944.87
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				39150.02
H	TOTAL RS.				698323.13
24	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr.	Nos.	5	1235.58	6177.90
25	Concreting of Poles in ratio 1:1:5:3(500x500x1800mm)-0.45 Cu mtr.	Nos.	11	2880.00	31680.00
26	Couping of poles in ratio 1:1:5:3(500x500x475)=0.11875 Cu. Mtr.	Nos.	11	720.00	7920.00
27	Materials for massonary work for eathpit,charcoal ,Salt etc. for earthing of guarding.	Nos.	2	1600.00	3200.00
	Sub Total Rs.				747301.03
PART-II	Installation of 25 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr. Long 160x152 GI WPB Pole (30.44 Kg/Mtr.)	No	2	34321.52	68643.04
2	Top Pressure Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
3	AB switch mounting channel(100x50x6)mm,(9.2 Kg/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
4	AB switch & HG fuse mounting channel(75x40x6)mm,each 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 75x40x6mm. MS Angle ,1 Mtr. Long 2 Nos.(6.8 Kg/mtr.). (6.8 kg./mtr.)with Galvanisation	Kg.	13.6	97.50	1326.00
6	Cantilever Channel for supporting HG Fuse 50x50x6mm. MS Angle ,1 Mtr. Long 2 Nos.(4.5 Kg/mtr.). with Galvanisation	Kg.	9	97.50	877.50
7	Angle for cantilever arrangement for AB switch & HG fuse 50x50x6mm, 2 Mtr. Long each,2 Nos.(4.5 kg./mtr.)with Galvanisation	Kg.	18	97.50	1755.00
8	Transformer belting 50x50x6 mm ,angle 2.8 Mtr. Long 2 Nos.,(4.5 Kg/mtr.)with side angle total (7 mtr.)with Galvanisation	K.g	31.5	97.50	3071.25

9	GI angle for mounting LT Distribution Box 35x35x5 mm Angle,1.0 Mtr. Long,2 Nos. 3.5 Kg/Mtr. .	K.g	7	97.50	682.50
10	Disc insulator 90 KN (T&C) Double Disc arrangement	No.	6	377.00	2262.00
11	11 KV HW fitting (T&C)type	No	3	169.00	507.00
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 5KA LA, Station class	No.	3	1274.00	3822.00
15	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 25 KVA S/S .	No	1	19409.00	19409.00
16	HT stay set complete	No.	2	1365.00	2730.00
17	11KV stay insulator	No.	2	65.00	130.00
18	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00
19	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
20	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	5	1365.00	6825.00
21	Earthing for supports(coil type)	No	2	215.80	431.60
22	No.6 GI wire for earthing	Kg	25	97.50	2437.50
23	25x4 mm GI flat(for neutral earthing)	Kg	10	97.50	975.00
24	GI Nuts and Bolts of assorted size	Kg	25	101.40	2535.00
25	25 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	69940.00	69940.00
26	LT 3.5 core 35 sq. mm PVC cable (Un armoured)12 Mtr	Mtr.	12	197.60	2371.20
27	Sundries (Paint,Danger Board,AI binding tape & wire insulating tape ,anticlimbing Device,clamp connector,jumpering materials ,socket & other cable accessories etc.)	LS	1	1800.00	1800.00
	TOTAL RS.				229788.59
	A.Sub Total Rs.				2,29,788.59
B	Stock,storage and insurance (@3% on A)				6893.66
C	TOTAL RS.				236682.25
D	T&P @ 2% of C				4733.64
E	Contingency @ 3% of C				7100.47
F	Transportation @ 7.5% of C				17751.17
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				16502.92
H	TOTAL RS.				282770.45
28	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr.	Nos.	2	1235.58	2471.16
29	Concreting of Poles in ratio 1:1:5:3(500x500x1800mm)-0.45 Cu mtr.	Nos.	2	2880.00	5760.00
30	Couping of poles in ratio 1:1:5:3(500x500x475)=0.11875 Cu. Mtr.	Nos.	2	720.00	1440.00

31	Materials for massonary work for eathpit,charcoal ,Salt etc. for earthing of guarding.	Nos.	5	1600.00	8000.00
32	Brick Boundary wall for Fencing of 5' height with 9" wall for area 8ftx12ft	No	1.00	40,000.00	40000.00
33	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.	No	1	4863.80	4863.80
34	Filling sand@431.60/Cmt for (8ftx12ftx1/2ft)=48 cft= 1.359 Cmt	No	1.00	587.00	587.00
35	40 mm size HBG metal @ Rs.981.36/cmt for (8ftx12ftx1/4ft)=24 cft=0.679 cmt	No	1.00	667.00	667.00
36	Sundries for Danger board,anti climbing Device etc.	Ls	1.00	500.00	500.00
	Sub Total Rs.				347059.41
PART-III	Construction of LT 3ph 5 W line using 4x35+1x35+1x16 sqmm XLPE AB Cable=0.20 Km				
1	9 Mtr. Long 300 KG PSC Pole	Nos.	6	3,900.00	23,400.00
2	L.T Stay set (Complete)	Set	5	676.00	3380.00
3	L.T Stay Insulator	No.	5	39.00	195.00
4	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	143.00	715.00
5	7/12 SWG Stay Wire	Kg	35	97.50	3412.50
6	4x35+1x35+1x16 sqmm XLPE AB Cable	Km	0.21	157076.27	32986.02
7	GI Base plate (500x500x10)mm for support,20 Kg each	No	6	1950.00	11700.00
8	Earthing support coil type GI	No	6	215.80	1294.80
9	Pole clamp for eye Hook for AB cable	pair	9	260.00	2340.00
10	Dead end clamp	No	5	84.50	422.50

11	Suspension clamp with eye Hook	pair	4	442.00	1768.00
12	Eye hook	No	9	78.00	702.00
13	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	No	8	104.00	832.00
14	Insulated Piercing connector ,Type-B main & Tap-2.5 to 10 sq. mm	No	8	52.00	416.00
15	Insulated Piercing connector ,Type-B main & Tap-2.5 to 10 sq. mm	No	10	42.90	429.00
16	GI Nuts Bolts and washers	Kg	10	101.40	1014.00
17	Sundries (Danger Board ,Anticlimbing Device etc.)	LS	1	1500.00	1500.00
A.Sub Total Rs.					86,506.82
B	Stock,storage and insurance (@3% on A)				2595.20
C	TOTAL RS.				89102.02
D	T&P @ 2% of C				1782.04
E	Contingency @ 3% of C				2673.06
F	Transportation @ 7.5% of C				6682.65
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				11320.40
H	TOTAL RS.				111560.17
18	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr.	Nos.	5	1235.58	6177.90
19	Concreting of Poles in ratio 1:1:5:3(500x500x1800mm)-0.45 Cu mtr.	Nos.	6	2880.00	17280.00
20	Couping of poles in ratio 1:1:5:3(500x500x475)=0.11875 Cu. Mtr.	Nos.	6	720.00	4320.00
Sub Total Rs.				Total Rs.	1,39,338.07
TOTAL RS.					11,84,720.61
Cess @ 1%					11,847.21
Total Estimated Cost					11,96,567.82
Total Estimated Cost in Figures					11,96,568.00
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/-
Project Manager(Elect.)

Sd/-
DM (Elect) I/C