

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 :- 05 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO ARMOURY BUILDING, 100 MEN BARRACK ,OFFICER TRANSIT HOSTEL BUILDING AND GUARD ROOM AT DSS INSIDE THE CAMPUS RESERVE POLICE ,KORAPUT .

BID REF NO.- 106/PM/ELECT/OPHWC/2023-24

NAME & ADDRESS OF THE FIRM	
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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 -0.8 KM				
1	11 KV 'V' cross arm(10.2 Kg each)	No.	12	1053.00	12636.00
2	GI Back clamp for 11 KV V Cross Arm	No.	12	104.00	1248.00
3	Top F clamp for PSC Pole ,2.9 Kg	No.	15	312.00	4680.00
4	Disc insulator 45 KN (B&S) Polymer	No.	21	1118.00	23478.00
5	11 KV HW fitting (B&S)2 bolted	No	21	169.00	3549.00
6	PG Clamp for 55 sq. mm AAAC	No	21	624.00	13104.00
7	11KV Pin Insulator polymer	No.	47	260.00	12220.00
8	HT stay set complete	No.	7	1365.00	9555.00
9	11KV stay insulator	No.	7	65.00	455.00
10	HT stay clamp (1.9 Kg/Pair)	pair	7	162.50	1137.50
11	7/10 SWG stay wire, Grade-2	Kg	70	97.50	6825.00
12	Earthing support coil type	No	15	215.80	3237.00
13	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	3.93	97.50	383.18
14	GI Base plate for support	No	15	1950.00	29250.00
15	GI Nuts and Bolts of assorted size	Kg	29.5	101.40	2991.30
16	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
17	11 Mtr Long (160x160)mm WPB Pole	No	15	34321.52	514822.80
18	55 sq. mm AAAC	Km	2.47	39000.00	96408.00
19	GI Barbed wire for anticlimbing device 3 Kg per support	Kg	45	104.00	4680.00
20	Back clamp for barbed wire anti climbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	18.3	97.50	1784.25
21	Danger Board	No	15	104.00	1560.00
22	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	4.59	97.50	447.53
23	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
	A.Sub Total Rs.				7,58,906.55
B	Stock,storage and insurance (@3% on A)				22767.20
C	TOTAL RS.				781673.75

D	T&P @ 2% of C				15633.47
E	Contingency @ 3% of C				23450.21
F	Transportation @ 7.5% of C				58625.53
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				51653.99
H	TOTAL RS.				931036.95
24	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum	Nos.	7	1235.58	8649.06
25	Concreting of 11 Mtr. Pole in ratio 1:1:5:3=0.45 cum	Nos.	15	2880.00	43200.00
26	Couping of Poles in ratio 1:1:5:3,0.1125 cum	Nos.	15	720.00	10800.00
TOTAL RS.(PART-I)					9,93,686.01
PART-II	DP STRUCTURE-1 NO.				
1	11 Mtr Long (160x160)mm WPB Pole	No	2	34321.52	68643.04
2	100x50x6 mm GI channel 2.8 Mtr. Long ,2 Nos. for Top Channel	Kg	51.52	97.50	5023.20
3	Bracing Channel 75x40x6 mm GI channel 2.8 Mtr. Long ,2	Kg	38.08	97.50	3712.80
4	50x50x6 mm GI angle 3.5 Mtr. Long 2 Nos., for providing cross bracing at bottom of DP(4.5 Kg/Mtr.)	Kg	31.5	97.50	3071.25
5	Disc insulator 45 KN (T&C) Polymer	No.	6	1118.00	6708.00
6	11 KV HW fitting (T&C)45 KN	No	6	169.00	1014.00
7	11KV Pin Insulator polymer	No.	3	260.00	780.00
8	HT stay set complete	No.	4	1365.00	5460.00
9	11KV stay insulator	No.	4	65.00	260.00
10	HT stay clamp (1.9 Kg/Pair)	pair	4	162.50	650.00
11	7/10 SWG stay wire, Grade-2	Kg	40	97.50	3900.00
12	GI Barbed wire for anticlimbing device 3 Kg per support	Kg	6	104.00	624.00
13	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.448	97.50	238.68
14	Danger Board	No	2	104.00	208.00
15	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
16	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	1	1365.00	1365.00
17	Earthing coil for support	No	2	215.80	431.60
18	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	0.524	97.50	51.09
19	No. 6 GI wire for earthing	Kg	10	97.50	975.00
20	GI nut,bolt & washers	Kg	18	101.40	1825.20
21	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	500.00	500.00
A.Sub Total Rs.					1,05,500.53
B	Stock,storage and insurance (@3% on A)				3165.02
C	TOTAL RS.				108665.55
D	T&P @ 2% of C				2173.31
E	Contingency @ 3% of C				3259.97
F	Transportation @ 7.5% of C				8149.92
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				7331.43
H	TOTAL RS.				129580.17

24	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum	Nos.	4	1235.58	4942.32
25	Concreting of 11 Mtr. Pole in ratio 1:1:5:3=0.45 cum	Nos.	2	2880.00	5760.00
26	Couping of Poles in ratio 1:1:5:3,0.1125 cum	Nos.	2	720.00	1440.00
24	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	1	1600.00	1600.00
TOTAL RS.(PART-II)					1,43,322.49
PART-III	Installation of 250 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	Pressure Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	97.50	5023.20
3	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
4	75x40x6mm GI Channel for Bottom of DP 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	38.08	97.50	3712.80
5	50x50x6mm Angle for cross bracing of DP 3.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	31.5	97.50	3071.25
6	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos.per DT 4.5 Kg/Mtr. .	K.g	18	97.50	1755.00
7	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
8	11 KV HW fitting (B&S)45 KN	No	3	169.00	507.00
9	11KV AB switch(3 pole,400 Amp,50Hz)	Set	1	15405.00	15405.00
10	11KV HG fuse (3 pole,400 Amp)with PI	Set	1	14989.00	14989.00
11	9KV 5KA LA, Station class	No.	3	1300.00	3900.00
12	LT Distribution Box with MCCB, Aluminium Bus Bar for 3-bay with Kitkat fuse for 250 KVA S/S .	No	1	62400.00	62400.00
13	LT 3.5 core 300 sq. mm PVC cable(Un-armoured)	Mtr.	25	1292.20	32305.00
14	25x6 mm GI flat,0.8 Kg/Mtr.	Kg	60	97.50	5850.00
15	HT stay set complete	No.	4	1365.00	5460.00
16	11KV stay insulator	No.	4	65.00	260.00
17	7/10 SWG stay wire, Grade-2	Kg	40	97.50	3900.00
18	HT stay clamp (1.9 Kg/Pair)	pair	4	162.50	650.00
19	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1365.00	9555.00
20	Earthing of support coil type	No	2	215.80	431.60
21	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	0.524	97.50	51.09
22	No. 6 GI wire for earthing	Kg	25	97.50	2437.50
23	GI Nuts and Bolts of assorted size	Kg	30	101.40	3042.00
24	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
25	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.44	97.50	237.90
26	Danger Board	No	2	104.00	208.00
27	GI 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
28	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
29	250 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	348985.00	348985.00
30	55 sq. mm AAAC(for jumpering)	Km	0.05	39000.00	1950.00
Sub Total Rs.					6,07,192.65

	Deduction of salvage value				48,575.41
A	Total cost after deduction of Salvage Value				5,58,617.24
B	Stock,storage and insurance (@3% on A)				16758.52
C	TOTAL RS.				575375.76
D	T&P @ 2% of C				11507.52
E	Contingency @ 3% of C				17261.27
F	Transportation @ 7.5% of C				43153.18
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				37750.36
H	TOTAL RS.				685048.08
31	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum	Nos.	4	1235.58	4942.32
32	Concreting of 11 Mtr. Pole in ratio 1:1:5:3=0.45 cum	Nos.	2	2880.00	5760.00
33	Couping of Poles in ratio 1:1:5:3,0.1125 cum	Nos.	2	720.00	1440.00
34	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
35	Brick Boundary wall for fencing of 5" height with 9" wall for area 8ft x 12ft with grill gate & metal spreading.	Ls	1	150000.00	150000
36	Transformer Plinth	No	1	21269.55	21269.55
37	Dismantling charges of existing HT line	Span	1	500.00	500.00
38	Dismantling charges of existing LT line	No	1	3500.00	3500.00
TOTAL RS.(PART-II)					8,83,659.95
PART-IV	LT LINE-0.860 Km				
1	L.T Stay set (Complete)	Set	3	676.00	2028.00
2	L.T Stay Insulator	No.	3	39.00	117.00
3	L.T Stay Clamp(1.4 K.g/Pair)	Pair	3	143.00	429.00
4	7/12 SWG Stay Wire	Kg	24	97.50	2340.00
5	Suspension clamp with I Hook	No.	21	442.00	9282.00
6	Eye Hook for XLPE AB Cable	No.	6	78.00	468.00
7	Pole clamp for eye Hook for AB cable	pair	27	260.00	7020.00
8	Dead end clamp suitable for XLPE cable	No	6	84.50	507.00
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	6	42.90	257.40
10	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	No	24	104.00	2496.00
11	GI Nuts and Bolts of assorted size	Kg	16.878	101.40	1711.43
12	3x50+1x35+1x16 sqmm LT XLPE AB Cable	Km	0.90	182000.00	164346.00
13	9 Mtr. Long 300 KG PSC Pole	No	24.00	3900.00	93600.00
14	Earthing of support coil type	No	24	215.80	5179.20
15	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	6.288	97.50	613.08
16	GI Base plate(500x500x10)mm for PSC Pole (20 Kg)	No	24	1950.00	46800.00
17	Danger Board	No	24	104.00	2496.00
18	GI clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	7.344	97.50	716.04
19	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	72	104.00	7488.00

20	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg			
			7.32	97.50	713.70
21	Sundries (paint, binding tape etc.)	LS	1	500.00	500.00
	A.Sub Total Rs.				3,49,107.85
B	Stock, storage and insurance (@3% on A)				10473.24
C	TOTAL RS.				359581.08
D	T&P @ 2% of C				7191.62
E	Contingency @ 3% of C				10787.43
F	Transportation @ 7.5% of C				26968.58
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				45598.91
H	TOTAL RS.				450127.63
22	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum	Nos.	3	1235.58	3706.74
23	Concreting of Pole in ratio 1:1:5:3(500x500x1500)mm=0.375 cum	Nos.	24	2400.00	57600.00
24	Couping of Poles in ratio 1:1:5:3,0.1125 cum	Nos.	24	720.00	17280.00
	Total Rs(PART-IV)				528714.37
	Sub Total Rs.				25,49,382.83
	Cess @ 1%				25,493.83
	Total Estimated Cost				25,74,876.66
	Total Estimated Cost in Figures				25,74,877.00
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.)