

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 :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 12 TH BN.,CRPF HUB AT RO CAMPUS AT NABARANGPUR.

BID REF NO.- 94/PM/ELECT/OPHWC/2022-23

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2022-23	AMOUNT IN RS.
PART-I	3 phase 3W 11 KV line -0.06 Km				
1	160x152 mm WPB Pole 11 Mtr. Long(30.44 Kg/Mtr.)GI for 11 KV Line	No	3	31140.12	93420.36
2	160x152 mm WPB Pole 10 Mtr. Long(30.44 Kg/Mtr.)GI (as stud pole)	No	1	28309.20	28309.20
3	50x50x6 mm MS Angle for supporting stud pole (4.5 Kg/Mtr.)(3+1+0.5)x2)/stud pole)	Kg	40.5	93.00	3766.50
4	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1004.40	1004.40
5	GI Back clamp for V Cross Arm	No.	1	99.20	99.20
6	11 KV F Clamp 2.9 Kg each	No.	1	297.60	297.60
7	11KV Pin Insulator polymer	No.	3	248.00	744.00
8	100x50x6 mm MS channel for straight cross arm 1.5 Mtr. Long, 9.2 Kg/Mtr.	Kg	55.2	93.00	5133.60
9	HT stay set complete	No.	1	1302.00	1302.00
10	7/10 SWG stay wire, Grade-2	Kg	10	93.00	930.00
11	11KV stay insulator	No.	1	62.00	62.00
12	HT stay clamp (1.9 Kg/Pair)	pair	1	155.00	155.00
13	MS Nut ,Bolt & Washer of different sizes	K.g	5	99.20	496.00
14	11 KV 3 core 50 sq. mm XLPE Cable	Mtr.	120	503.44	60412.80
15	Jointing kits	Sets	4	21678.92	86715.68
16	12KV 5KA LA, Station class	No.	3	2790.00	8370.00
17	GI Base plate	No	3	1860.00	5580.00
18	40 mm Nominal bore GI Pipe Medium gauge earthing device 3 mtrs long	No	3	1302.00	3906.00
19	Earthing support coil type	No	3	205.84	617.52
20	No. 6 GI Wire for earthing	Kg	30	93.00	2790.00
21	7/12 SWG GI Saty wire for supporting cable	Kg	20	93.00	1860.00
22	Anticlimbing Device/ Barbed wire (@ 3 Kg per support)	Kg	9	99.20	892.80
23	Danger Board	No	3	99.20	297.60
24	Sundries	LS	1	500.00	500.00
	A.Sub Total Rs.				3,07,662.26
B	Stock,storage and insurance (@3% on A)				9229.87
C	TOTAL RS.				316892.13
D	T&P @ 2% of C				6337.84

E	Contingency @ 3% of C				9506.76
F	Transportation @ 7.5% of C				23766.91
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				25420.14
H	TOTAL RS.				381923.78
PART-II	Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=1.2 Km				
1	8 Mtr. Long 200 KG PSC pole	No	36	2480.00	89280.00
2	GI Base plate	No	36	1860.00	66960.00
3	Earthing device coil type	No	36	205.84	7410.24
4	L.T Stay set (Complete)	Set	15	644.80	9672.00
5	L.T Stay Insulator	No.	15	37.20	558.00
6	L.T Stay Clamp(1.4 K.g/Pair)	Pair	15	136.40	2046.00
7	7/12 SWG Stay Wire	Kg	150	93.00	13950.00
8	GI Nuts and Bolts of assorted size	Kg	10	96.72	967.20
9	3x50+1x35+1x16 sqmm XLPE AB Cable	Km	1.24	173600.00	214569.60
10	Suspension clamp with I Hook	No.	30	421.60	12648.00
11	Dead end clamp Eye Hook	No.	6	80.60	483.60
12	Anticlimbing Device/ Barbed wire (@ 3 Kg per support)	Kg	108	99.20	10713.60
13	Danger Board	No	36	99.20	3571.20
14	Sundries	LS	1	2000.00	2000.00
	A.Sub Total Rs.				4,34,829.44
B	Stock,storage and insurance (@3% on A)				13044.88
C	TOTAL RS.				447874.32
D	T&P @ 2% of C				8957.49
E	Contingency @ 3% of C				13436.23
F	Transportation @ 7.5% of C				33590.57
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				53983.27
H	TOTAL RS.				557841.88
PART-III	Installation of 100 KVA 11/0.4KV sub station - 1 No.				
1	160x152 mm WPB Pole 11 Mtr. Long(30.44 Kg/Mtr.)GI	No	2	31140.12	62280.24
2	GI Base plate for support (500x500x10)mm for support	No	2	1860.00	3720.00
3	Top Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)GI	K.g	51.52	93.00	4791.36
4	AB switch &HG fuse mounting channel(75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	93.00	7082.88
5	Bracing Channel 75x40x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 4 Nos.	K.g	76.16	93.00	7082.88
6	Angle for Bracing 50x50x6 mm 4.5 Kg/Mtr. With Galvanising 3.5 Mtr. Long 2 Nos.	K.g	31.5	93.00	2929.50
7	Cantilever Channel for supporting HG Fuse 75x40x6mm. MS Angle 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	93.00	1264.80
8	Cantilever Channel for supporting HG Fuse 50x50x6mm MS Angle 1 mtr. Long 2 Nos. (4.5 kg./mtr.)GI	Kg.	9	93.00	837.00

9	Cantilever Channel for supporting arrangement AB switch 50x50x6mm MS Angle 2 mtr. Long 2 Nos. (4.5 kg./mtr.)GI	Kg.	18	93.00	1674.00
10	Angle for mounting LT Distribution Box (50x50x6)mm 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	22.5	93.00	2092.50
11	11 KV HW fitting 3 Bolt	No	3	434.00	1302.00
12	Disc insulator 70 KN (B&S) Polymer	No.	3	1426.00	4278.00
13	11KV AB switch 3 pole(200 Amp)	Set	1	9114.00	9114.00
14	11KV HG fuse 3 pole(200 Amp)	Set	1	7588.80	7588.80
15	9KV 10KA LA, Station class	No.	3	1240.00	3720.00
16	LT Distribution Box for 100 KVA DTR with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse .	No	1	30279.56	30279.56
17	HT stay set (Complete)	No.	4	1302.00	5208.00
18	7/10 SWG GI Saty wire, Grade-2	Kg	40	93.00	3720.00
19	stay Insulator	No.	4	62.00	248.00
20	Stay clamp(1.9 Kg/pair)	pair	4	155.00	620.00
21	40 mm Nominal bore GI Pipe Medium gauge earthing device 3 mtrs long	No	5	1302.00	6510.00
22	Earthing support coil type	No	2	205.84	411.68
23	No. 6 GI Wire for earthing	Kg	20	93.00	1860.00
24	GI Flat 25x6 mm	Kg	30	93.00	2790.00
25	GI Nuts and Bolts of assorted size	Kg	36	96.72	3481.92
26	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	145080.00	145080.00
27	1 C x150 sq. mm XLPE Cable	Mtr.	60	260.40	15624.00
28	PG Clamp for 80 sq. mm AAAC	No	3	657.20	1971.60
29	Anticlimbing Device/ Barbed wire (@ 3 Kg per support)	Kg	6	99.20	595.20
30	Danger Board	No	2	99.20	198.40
31	Sundries	LS	1	500.00	500.00
	A.Sub Total Rs.				338856.32
B	Stock,storage and insurance (@3% on A)				10165.69
C	TOTAL RS.				349022.01
D	T&P @ 2% of C				6980.44
E	Contingency @ 3% of C				10470.66
F	Transportation @ 7.5% of C				26176.65
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				24223.10
H	TOTAL RS.				416872.86
32	Cement Concreting for stay anchor plate CC 1:3:6 using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum(HT Line)	Nos.	20	1270.00	25400.00
33	Concreting of support C.C. 1:3:6 using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	41	1270.00	52070.00
34	Couping CC 1:3:6 by using 12 HBG metal 0.3x0.3x0.45=0.0405 cum	Nos.	5	190.00	950.00
35	Plinth for 100 KVA S/S	No	1	29000.00	29000.00
36	Barbed fencing ,erection of RCC fencing post,sand filling and metal spreading, Fixing of Iron Grill Gate etc.	Ls	1	16796.42	16796.42
37	Materials for earthing including massonary work for eathpit, charcoal,salt & RCC cover etc.	No	8	1600.00	12800.00

				Total Rs.	1,37,016.42
	Total Rs.				14,93,654.95
	Cess @ 1%				14,936.55
	Total Estimated Cost				15,08,591.50
	Total Estimated Cost in Figures				15,08,591.00
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.)