

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 COB AT JANTRI IN THE DISTRICT OF MALKANGIRI .

BID REF NO.- 09/PM/ELECT/OPHWC/2022-23

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2022-23	AMOUNT IN RS.
SCHEDULE OF WORKS					
PART-I	3 phase 3W 11 KV line with 55 sq. mm AAAC-0.6 Km				
1	9 Mtr Long 116x100 mm RS Joist Pole	No.	8	16684.20	133473.60
2	Earthing Device/ support coil type(GI)	No.	8	205.84	1646.72
3	GI Base plate 500x500x10 mm plate for support(20 Kg)	No.	8	1860.00	14880.00
4	11 KV 'V' cross arm	No.	8	1004.40	8035.20
5	Back clamp for 11 KV 'V' cross arm	No.	8	99.20	793.60
6	11 KV F Clamp 2.9 Kg each	No.	8	297.60	2380.80
7	11KV Disc insulator 45 KN polymer	No.	3	1066.40	3199.20
8	11KV H.W Fittings T&C 45 KN	No.	3	161.20	483.60
9	11KV Pin Insulator polymer	No.	24	248.00	5952.00
10	100x50x6 mm MS channel for line	Kg	25.8	80.47	2076.13
11	HT stay set complete	No.	1	1302.00	1302.00
12	11KV stay insulator	No.	1	62.00	62.00
13	HT stay clamp	pair	1	155.00	155.00
14	7/10 SWG stay wire	Kg	8	93.00	744.00
15	MS Nut ,Bolt & Washer of different sizes	K.g	15	88.04	1320.60
16	55 sq. mm AAAC	Km	1.854	37200.00	68968.80
17	Danger Board	No.	8	99.20	793.60
18	Concreting of cut point	No.	0	1512.04	0.00
19	Sundries (Paint, binding tape, Anticlimbing Device etc.)	LS	1	1000.00	1000.00
					247266.85
PART-II	Construction of LT 3ph 5W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=1.2 Km				
1	L.T Stay set (Complete)	Set	10	644.80	6448.00
2	7/10 SWG Stay Wire	Kg	70	93.00	6510.00
3	L.T Stay Clamp(1.4 K.g/Pair)	Pair	10	136.40	1364.00
4	L.T Stay Insulator	No.	10	37.20	372.00
5	Dead end clamp +Eye Hook	No.	10	155.00	1550.00
6	Suspension clamp with I Hook	No.	20	421.60	8432.00
7	Pole clamp for Eye Hook	No.	30	248.00	7440.00
8	MS Nut ,Bolts	K.g	15	88.04	1320.60
9	3x50+1x35+1x16 sqmm XLPE AB Cable	Km	1.26	173600.00	218736.00
10	8 Mtr Long 125x70 mm RS Joist Pole	No.	30	8382.40	251472.00
11	Earthing Device/ support coil type(GI)	No.	30	205.84	6175.20
12	GI Base plate 500x500x10 mm plate for support(20 Kg)	No.	30	1860.00	55800.00
13	Danger Board	No.	30	99.20	2976.00

14	Sundries (Paint, binding tape, Anticlimbing Device etc.)	LS	1	2000.00	2000.00
					570595.80
PART-III	Installation of 63 KVA 11/0.4KV DP mounted sub station - 1 No.				
1	9 Mtr Long 116x100 mm RS Joist Pole	No.	2	16684.20	33368.40
2	Earthing Device/ support coil type(GI)	No.	2	205.84	411.68
3	GI Base plate 500x500x10 mm plate for support(20 Kg)	No.	2	1860.00	3720.00
4	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos.	K.g	51.52	80.60	4152.512
5	Transformer mounting Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2	K.g	51.52	80.60	4152.512
6	AB switch & HG fuse mounting channel(75x40x6)mm, GI channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	80.60	6138.496
7	Transformer belting 50x50x6mm angle each 2.8 mtr long(4.5K.g/mtr) with side angle total 7 Mtr	K.g	31.5	80.60	2538.9
8	Angle for mounting LT distribution Box 35x35x5 mm MS angel-1.0 mtr each long 2nos (3.5 KGg per mtr)	Kg	9	80.60	725.4
9	11KV Disc insulator T & C	No.	3	1066.40	3199.20
10	11KV H.W Fittings T&C	No.	3	161.20	483.60
11	11KV AB switch 3 pole(200 Amp)	Set	1	9114.00	9114.00
12	11KV HG fuse 3 pole(200 Amp)	Set	1	7588.80	7588.80
13	9KV 10KA LA	No.	3	1240.00	3720.00
14	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 63 KVA S/S	No	1	22719.28	22719.28
15	LT 3.5 core 95 sq. mm pvc Cable(unarmoured)	Mtr.	15	412.92	6193.80
16	HT stay set (Complete)	No.	2	1302.00	2604.00
17	stay Insulator	No.	2	62.00	124.00
18	Stay clamp	pair	2	155.00	310.00
19	7/10 SWG GI Saty wire	Kg	20	93.00	1860.00
20	GI Pipe earthing 40 Dia Medium gauge 2.5 mtrs long	No.	5	1302.00	6510.00
21	GI Flat 25x6mm for earthing	Kg	50	93.00	4650.00
22	MS Nuts and Bolts & washers	Kg	25	88.04	2201.00
23	63 KVA 11/0.4 KV (AL) Transformer with top changer BIS Energy Level-II	No	1	107260.00	107260.00
24	55 sq. mm AAAC	Km	0.02	37200.00	744.00
25	Sundries(Aluminium binding tap,insulating tap,Anticlimbing device,paint ,danger board etc.)	LS	1	2000.00	2000.00
		Total material cost in Rs			2,36,489.58
PART-IV	11 KV 400 A LINE AB SWITCH WITH DP-1 NO.				
1	9 Mtr Long 116x100 mm RS Joist Pole	No.	2	16684.20	33368.40
2	Earthing Device/ support coil type(GI)	No.	2	205.84	411.68
3	GI Base plate 500x500x10 mm plate for support(20 Kg)	No.	2	1860.00	3720.00
4	100x50x6 mm MS channel 2.8 Mtr. Long 2 nos.@ 9.2 Kg/Mtr.	Kg	51.5	80.60	4150.90

5	AB switch mounting channel(75x40x6)mm, channel each 2.8mtr long 2 Nos(6.8Kg/mtr)	K.g	38.08	80.60	3069.248
6	(75x40x6)mm, MS channel each 2.8mtr long 2 Nos(6.4Kg/mtr)for bracing of DP Bottom	Kg	38.08	80.60	3069.248
7	(50x50x6)mm, MS Angle 3.5 Mtr. Long 2 Nos for proving cross bracing of DP(@4.5 Kg/Mtr.)	Kg	31.5	80.60	2538.9
8	11KV Disc insulator T & C	No.	6	1066.40	6398.40
9	11KV H.W Fittings T&C	No.	6	161.20	967.20
10	11KV AB switch 3 pole(400 Amp)	Set	1	14694.00	14694.00
11	9KV 10KA LA	No.	3	1240.00	3720.00
12	HT stay set (Complete)	No.	4	1302.00	5208.00
13	stay Insulator	No.	4	62.00	248.00
14	Stay clamp	pair	4	155.00	620.00
15	7/10 SWG GI Saty wire	Kg	40	93.00	3720.00
16	GI Pipe earthing 40 Dia Medium gauge 2.5 mtrs long	No.	2	1302.00	2604.00
17	GI Flat 25x6mm for earthing	Kg	30	93.00	2790.00
18	MS Nuts and Bolts & washers	Kg	15	88.04	1320.60
19	Sundries(Aluminium binding tap,insulating tap,Anticlimbing device,paint ,danger board etc.)	LS	1	1000.00	1000.00
Total Rs.					93618.58
A.Sub Total Rs.					1147970.80
B. Stock, Storage & Insurance @ 3% of A					34,439.12
Sub Total (C=A+B)					11,82,409.93
T&P @ 2% of C					23,648.20
Contingency @ 3% of C					35,472.30
Transportation @ 7.5% of C					88,680.74
Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%					28,785.53
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					-
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					60,669.93
Total Estimated Cost					14,19,666.63
20	Concrete material for stay anchor plate CC Foundation 1:3:6 size by using 4 cm size HBG metal=0.45x0.45x1.5)mtr	Nos	17	1270.00	21590
21	Cement concreting of support with CC Foundation 1:3:6 size by using 4 cm size HBG metal=0.45x0.45x1.5)mtr	Nos	42	1460.00	61320
22	Materials for Massionary work for earth Pit, Charcoal, Salt etc for earthing	Nos	7	1600.00	11200

23	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 Material Cost				15,30,573.05
	Cess @ 1%				15,305.73
	Total Estimated Cost				15,45,878.78
	Total Estimated Cost in Figures				15,45,879.00
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)

Asst. Project Manager (Elect) (Hqr)

Sd/-
Project Manager(Elect.)