

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

**PRICE BID FOR THE WORK UNDER SL. NO :-02 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO COB FOR CAPF AT DOKA IN THE DIST. OF KANDHAMAL.**

**BID REF NO :- 98/PM/ELECT/OPHWC/2022-23**

**NAME &  
ADDRESS  
OF THE  
FIRM**

**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>SCOPE-A</b>	<b>Construction of 3 ph 3 wire 11 KV line using 55 sq. mm AAAC -0.05 Km</b>				
1	9 Mtr. Long 116x100 mm RS Joist pole, 23 Kg/mtr.(4 Nos. Pole)for CP & PP	Kg	828	80.60	66736.80
2	Straight channel -75x40x6 mm for straight cross arm 1.2 Mtrs. @ 6.8 Kg/Mtr. Each 2 Nos.	Kg	19.04	80.60	1534.62
3	11 KV GI 'V' cross arm(MS-10.2 Kg each)	No.	3	1004.40	3013.20
4	Back Clamp for 'V' Cross Arm	No.	3	99.20	297.60
5	F' Clamp(Pole Top)	No.	3	130.20	390.60
6	11KV Disc insulatorT & C Polymer	No.	6	1066.40	6398.40
7	11KV H.W Fittings T&C	No.	6	161.20	967.20
8	11KV Pin Insulator Polymer	No.	11	248.00	2728.00
9	HT stay set (Complete)	No.	2	1302.00	2604.00
10	Stay wire(7/10 SWG)	Kg	20	93.00	1860.00
11	stay Insulator	No.	2	62.00	124.00
12	Stay clamp	pair	2	155.00	310.00
13	Earthing coil for support	No.	4	205.84	823.36
14	Danger board	No.	4	99.20	396.80
15	Base plate for support(GI)	No.	4	1860.00	7440.00
16	11 KV 55 sq. mm AAAC	Km	0.1545	37200.00	5747.40
17	MS Bolts, nuts & washers	Kg	10	88.04	880.40
18	11 KV Road crossing & Guarding	Span	2	5902.40	11804.80
19	Sundries	LS	1	500.00	500.00
	TOTAL RS.				114557.18
<b>SCOPE-B</b>	<b>Construction of 11 KV line DP</b>				
1	9 Mtr. Long 150x150 mm RS Joist pole, 23 Kg/mtr.(4 Nos. Pole)	Kg	622.8	80.60	50197.68
2	Pressure channel -100x50x6 mm 2.5 Mtrs. 2 Nos@ 9.2 Kg/Mtr.with GI	Kg	46	80.60	3707.60

3	Support channel and Bracing channel- 75x40x6 mm 2.5 Mtrs. 4 Nos@ 6.8 Kg/Mtr.with GI	Kg	68	80.60	5480.80
4	Cross Bracing channel -50x50x6 mm 3 Mtrs. 2 Nos@ 4.5 Kg/Mtr.with GI	Kg	27	80.60	2176.20
5	11KV Disc insulatorT & C Polymer	No.	6	1066.40	6398.40
6	11KV H.W Fittings T&C	No.	6	161.20	967.20
7	11KV Pin Insulator Polymer	No.	3	248.00	744.00
8	HT stay set (Complete)	No.	2	1302.00	2604.00
9	Stay wire(7/10 SWG)	Kg	20	93.00	1860.00
10	stay Insulator	No.	2	62.00	124.00
11	Stay clamp	pair	2	155.00	310.00
12	Earthing coil for support	No.	2	205.84	411.68
13	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	1	1302.00	1302.00
14	No. 6 GI wire for earthing	Kg	20	93.00	1860.00
15	Base plate for support(GI)	No.	2	1860.00	3720.00
16	GI Bolts, nuts & washers	Kg	5	96.72	483.60
17	Sundries	LS	1	500.00	500.00
	TOTAL RS.				82847.16
<b>SCOPE-B</b>	<b>Installation of 63 KVA 11/0.4KV Transformer BIS Energy Level-II .- 1 No.</b>				
1	9 Mtr. Long 150x150 mm RS Joist pole, 23 Kg/mtr.(4 Nos. Pole)	Kg	622.8	80.60	50197.68
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.	Kg.	51.52	80.60	4152.51
3	Transformer mounting channel 100x50x6mm 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	51.52	80.60	4152.51
4	A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)	Kg.	76.16	80.60	6138.50
5	Cantilever Channel for supporting HG Fuse 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	80.60	1096.16
6	Cantilever Channel for supporting HG Fuse 50x50x6mm. 1 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	9	80.60	725.40
7	Angel for cantilever arrangement for AB switch and HG Fuse 50x50x6mm 2 Mtr. Longx2 Nos.(4.5Kg./mtr)	Kg.	18	80.60	1450.80
8	Transformer belting Angle 50x50x6mm- 2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr)	Kg	31.5	80.60	2538.90
9	Angle for mounting LT Distribution Box (50x50x6)mm 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	22.5	80.60	1813.50
10	11KV Disc insulatorT & C Polymer	No.	3	1066.40	3199.20
11	11KV H.W Fittings T&C	No.	3	161.20	483.60
12	11KV AB switch 3 pole(200 Amp)	Set	1	9114.00	9114.00
13	11KV HG fuse 3 pole(200 Amp)	Set	1	7588.80	7588.80

14	11 KV LA	No.	3	1240.00	3720.00
15	LT Distribution box with MCCB Box and Kitkat Fuse	No	1	22719.00	22719.00
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 3 mtrs long	No	5	1302.00	6510.00
21	Earthing coil for support	No	2	205.84	411.68
22	25x6 mm GI flat for earthing	Kg	30	93.00	2790.00
23	Clamp,connector and jumpering material	Ls	1	1054.00	1054.00
24	GI nut,bolt & washers	Kg	20	88.04	1760.80
25	63 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II	No.	1	107260.00	107260.00
26	95 sq. mm 3.5 core LT PVC cable	Mtr.	15	412.92	6193.80
27	socket and other cable accessories	Ls	1	558.00	558.00
28	Danger board	No	2	99.20	198.40
29	GI base plate for support	No	2	1860.00	3720.00
30	Sundries (Paint, Danger Board, Al. Binding Tape & wire Insulating Tape, Anticlimbing Device,clamp connector, jumpering materials, socket & other accessories etc.)	LS	1	500.00	500.00
	TOTAL RS.				<b>254945.24</b>
<b>SCOPE-C</b>	<b>Construction of 3 Ph 5 W LT Line with 3x35+1x25+1x16 sq.mm LT XLPE AB Cable -1.2 Km</b>				
1	125x70 mm RS Joist Pole (08Mtr long ,13kg/mtr)	No	30	8382.40	251472.00
2	LT stay set complete	No.	22	644.80	14185.60
3	LT stay set Insulator	No.	22	37.20	818.40
4	LT stay clamp	No.	22	195.92	4310.24
5	7/12 SWG GI stay wire	Kg.	176	93.00	16368.00
6	Conductor Dead end clamp with eye Hook	No.	6	155.06	930.36
7	Suspension clamp I Hook for ABC	No	24	421.60	10118.40
8	3x35+1x25+1x16 sq.mm LT XLPE AB Cable	Km	1.21	148000.00	178559.78
9	Piercing connector	No	30	69.44	2083.20
10	Neutral connector	Set	30	39.68	1190.40
11	RCC Base plate	No	2	360.84	721.68
12	Base plate GI	No	30	1860.00	55800.00
13	MS nut,bolt & washers	Kg	30	88.04	2641.20
14	Sundries	No	1	500.00	500.00
					539699.26
A	TOTAL MATERIAL COST IN RS.				<b>992048.84</b>
B	Stock,storage and insurance (@3% on A)				<b>29761.47</b>
C	TOTAL RS.				<b>1021810.31</b>
D	T&P @ 2% of C				<b>20436.21</b>
E	Contingency @ 3% of C				<b>30654.31</b>
F	Transportation @ 7.5% of C				<b>76635.77</b>

G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				<b>75098.96</b>
H	TOTAL RS.				<b>1224635.56</b>
15	Cement Concreting for HT Line pole CC 1:3:6 using 4 cm size hard granite metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum(HT Line)	Nos.	8	1270.00	10160.00
16	Cement Concreting of HT stay with 1:3:6 using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	5	1270.00	6350.00
17	Cement Concreting fot LT stay Anchor Plate with 1:3:6 by using 4cm size Hard granit metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	22	1270.00	27940.00
18	Cement concreting for LT support/pole	Nos.	30	443.00	13290.00
19	Brick boundary wall provision	No	1	30000.00	30000.00
20	Material for masonry work for earth pit, charcoal,salt etc.	No	6	1600.00	9600.00
	TOTAL RS.				1321975.56
	Cess @1%				13219.76
	Total Estimated Cost				<b>1335195.32</b>
	Total Estimated Cost in Figures				<b>1335195.00</b>
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.)