

**TENDER INVITING AUTHORITY: JOINT MANAGER (ELECTRICAL DIVISION),THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD, BHUBANESWAR**

**NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO RESERVE OFFICE BUILDING AND 100 MEN BARRACK AT KORAPUT IN THE DIST. OF KORAPUT.**

**BID REF NO.- 19/JM/ELECT/OPHWC/2020-21**

Bidder Name

**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 33 KV line using 100 sq. mm AAA Conductor -0.13 Km</b>				
1	10 Mtr. Long 400 KG PSC Pole	No.	1	4500	4500.00
2	Pressure Channel 100x50x6mm MS channel (1.6Mx2 pc) and(03 Mx2 PC) (9.2 K.g per mtr)	Kg	37.24	65.00	2420.60
3	33 KV Disc insulator B & S 70 KN(26 for cable support)	No.	9	390.00	3510.00
4	33 KV H.W Fittings B & S 70 KN with 3 Bolted(26 for cable support)	No.	3	350.00	1050.00
5	Stay set complete	set	1	1050.00	1050.00
6	stay insulator	No.	1	50.00	50.00
7	stay clamp	pair	1	125.00	125.00
8	7/10 G.I stay wire	Kg	10	75.00	750.00
9	Earthing support coil type	No.	2	166.00	332.00
10	MS Nut ,Bolt & Washer	K.g	3	71.00	213.00
11	33 KV V Cross Arm(MS of 22 kg each)	No.	1	1580.00	1580.00
12	Back clamp for 33 KV 'V' cross arm(1.7 kg each)	No.	1	150.00	150.00
13	GI pin for 33 KV	set	3	192.00	576.00
14	Pin Insulator for 33 KV	No.	3	350.00	1050.00
15	F clamp for 33 KV	No.	1	300.00	300.00
16	Concrete material for stay anchor plate (0.45x0.45x1.5)mtr	No.	1	1270.00	1270.00
17	Concreting of pole	Ls	1	1270.00	1270.00
18	Base plate	No	1	280.00	280.00
19	100 sq. mm conductor	Km	0.4017	55000.00	22093.50
20	Sundries	Ls	1	1000.00	1000.00
A	TOTAL MATERIAL COST IN RS.				<b>43570.10</b>
B	Stock,storage and insurance (@3% on A)				<b>1307.10</b>
C	TOTAL RS.				<b>44877.20</b>
D	T&P @ 2% of C				<b>897.54</b>
E	Contingency @ 3% of C				<b>1346.32</b>
F	Transportation @ 7.5% of C				<b>3365.79</b>
G	Erection charges @ 10% on others ,5% ON Dist. Transformers and 20% on PSC poles				<b>4951.22</b>
H	TOTAL RS.				<b>55438.07</b>
<b>SCOPE-B</b>	<b>Installation of 100 KVA( BIS Energy Level-II) 33/0.4KV Plinth mounted sub station - 1 No.</b>				
1	10 Mtr. Long 400 KG PSC Pole	No	2	4500.00	9000.00
2	Pressure Channel 100x50x6mm MS channel (3.5 Mx2 pc)(9.2 K.g per mtr)	Kg	64.4	65.00	4186.00

3	AB switch & HG Fuse, Mounting Channel (75x40x6)-3.5 mtr long 4 nos(6.8 k.g per mtr)	Kg	95.2	65.00	6188.00
4	Angel for mounting LT distribution Box +Bottom bracing etc. of -50x50x6 mm - of (4.5 Kg per mtr)	Kg	72	65.00	4680
5	33 KV Disc insulator B & S 70 KN(porecelain)	No.	9	390.00	3510.00
6	33 KV H.W Fittings B & S 70 KN with 3 Bolted	No.	3	350.00	1050.00
7	33 KV AB switch 3 pole 200 A 3 poles 50 HZ	Set	1	15100.00	15100.00
8	33 KV HG fuse 3 pole with porecelain insulator(PI)	Set	1	12970.00	12970.00
9	Lightning Arrester(30 KV, 10 KA)station class 1	No.	3	7750.00	23250.00
10	Busbar for 3 Bay with Kit Kat fuse	No	1	24419.00	24419.00
11	Back clamp LT Distribution	No	2	80.31	160.62
12	Stay set complete	set	2	1050.00	2100.00
13	stay insulator	No.	2	50.00	100.00
14	stay clamp	pair	2	125.00	250.00
15	7/10 G.I stay wire	Kg	20	75.00	1500.00
16	GI Pipe earthing 40 Dia Medium gauge 2.5 mtrs long	No.	5	1050.00	5250.00
17	Earthing for Support coil type	No	2	166	332.00
18	GI flat 25x6 mm for earthing	Kg	25	75.00	1875.00
19	MS Nut ,Bolt & Washer	K.g	20	71.00	1420.00
20	33/0.4 KV 100 KVA Transformer with tap changer BIS Energy Level-II	No.	1	272000.00	272000.00
21	3.5C LT pvc cable 150 sq. mm ,2 runs	Mtr.	15	504.00	7560.00
22	Concrete material for stay anchor plate and support(0.45x0.45x1.5)mtr	No.	2	1270.00	2540.00
23	Concreting of S/S DP	LS	2	1270.00	2540.00
24	Materials for earthing including Massionary work for earth Pit, Charcoal, Salt and cement plate cover	No.	5	1600.00	8000.00
25	Base Plate	No	2	280	560.00
26	Fencing of S/S	Ls	1	13000.00	13000.00
27	sundries	Ls	1	2000.00	2000.00
A	TOTAL MATERIAL COST IN RS.				<b>425540.62</b>
B	Stock,storage and insurance (@3% on A)				<b>12766.22</b>
C	TOTAL RS.				<b>438306.84</b>
D	T&P @ 2% of C				<b>8766.14</b>
E	Contingency @ 3% of C				<b>13149.21</b>
F	Transportation @ 7.5% of C				<b>32873.01</b>
G	Erection charges @ 10% on others ,5% ON Dist. Transformers and 20% on PSC poles				<b>30749.68</b>
H	TOTAL RS.				<b>523844.87</b>
<b>SCOPE-C</b>	<b>Construction of 3 Ph 5 W LT Line with 3x50+1x35+1x16 sq.mm AB Cable-1750 meter</b>				
1	8 Mtr. Long 200 KG PSC Pole	No	35	2000.00	70000.00
2	AB cable(3x50+1x35+1x16 sq. mm)	Mtr.	1802.5	140.00	252350.00
3	Suspension clamp eye Hook for ABC	No.	45	340.00	15300.00
4	Dead end clamp suitable for bare messenger XLPE Areial Bunched cable	No.	22	65.00	1430.00
5	L.T Stay set (Complete )	Set	15	520.00	7800.00

6	7/10 SWG GI Stay Wire	Kg	120	75.00	9000.00
7	L.T Stay Insulator	No.	15	30.00	450.00
8	L.T Stay Clamp	Pair	15	110.00	1650.00
9	Nuts , bolts (Assorted size)	Kg	30	71.00	2130.00
10	Concreting of stay & stud poles	No.	15	1270.00	19050.00
11	Base plate for pole	No	35	280.00	9800.00
12	Coil Earthing	No	35	166.00	5810.00
13	Sundries(Anticlimbing device etc.)	Ls	1	2000.00	2000.00
A	TOTAL MATERIAL COST IN RS.				<b>396770.00</b>
B	Stock,storage and insurance (@3% on A)				<b>11903.10</b>
C	TOTAL RS.				<b>408673.10</b>
D	T&P @ 2% of C				<b>8173.46</b>
E	Contigency @ 3% of C				<b>12260.19</b>
F	Transportation @ 7.5% of C				<b>30650.48</b>
G	Erection charges @ 10% on others ,5% ON Dist. Transformers and 20% on PSC poles				<b>48077.31</b>
H	TOTAL RS.				<b>507834.55</b>
I	TOTAL RS.(SCOPE-A+SCOPE-B+SCOPE-C)				<b>1087117.49</b>
J	Plinth for 33 KV /0.4 KV DTR				<b>20000.00</b>
K	TOTAL ESTIMATED COST				<b>1107117.49</b>
L	Total Estimated Cost in Figures				<b>1107117.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)				_____%
	Quoted Amount in Figure				
	Quoted Amount in words				

N:B- The Estimated cost is exclusive of GST @ 12%.

**Signature of Tenderer with seal**

Sd/-  
Asst. Project Manager[Elect.]

Sd/-  
APM Elect. (Hqr.)

Sd/-  
Joint Manager(Elect.)