

**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 CHANDPUR POLICE STATION IN THE DIST. OF NAYAGARH.**

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

Bidder Name	
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**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 1CX50 sq. mm 11 KV XLPE Cable-0.5 Km with Road crossing guarding- 2 spans with stud pole -4 Nos.</b>				
<b>SCOPE-B</b>	<b>Installation of 63 KVA 11/4 KV AL BIS Energy Level-II DP mounted sub station using 10 mtr. Long 150x150 mm RS Joist Pole- 1 No.</b>				
<b>SCOPE-C</b>	<b>Construction of 3 Ph 5 W LT Line with 3x50+1x35+1x16 sq.mm AB Cable over 8 mtr. Long 200 KG PSC Pole-0.35 Km</b>				
<b>SCOPE-D</b>	<b>Construction of Isolating DP with 400A AB switch over 10 mtr. Long 150x150 mm RS Joist Pole -1 No.(on existing 11 Kv Feeder)</b>				
1	63 KVA 11/4 KV AL BIS Energy Level-II	No	1	86500.00	86500.00
2	150x150 mm RS Joist 30.6 kg each 11 Mtr.	NO	10	21879.00	218790.00
3	10 mtr. Long 150x150 mm RS Joist 34.6 kg each	No	4	22490.00	89960.00
4	100x116 mm RS Joist 23.4 kg each 9 Mtr.	NO	4	13455.00	53820.00
<b>A</b>	<b>TOTAL MATERIAL COST(FOR-2020-21)</b>				<b>449070.00</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>13472.10</b>
<b>C</b>	Sub Total (C=A+B)				<b>462542.10</b>
<b>D</b>	Contingency @3% of C				<b>13876.26</b>
<b>E</b>	T & P 2% of C				<b>9250.84</b>
<b>F</b>	Transportation @ 7.5% of C				<b>34690.66</b>
<b>G</b>	Erection Charges of DTR and Joist Poles @ 5%				<b>23127.11</b>
<b>H</b>	Sub Total				<b>543486.97</b>
1	8 Mtr. Long 200 KG PSC Pole	No	8	2000.00	16000.00
<b>A</b>	<b>TOTAL MATERIAL COST(FOR-2020-21)</b>				<b>16000.00</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>480.00</b>
<b>C</b>	Sub Total (C=A+B)				<b>16480.00</b>
<b>D</b>	Contingency @3% of C				<b>494.40</b>
<b>E</b>	T & P 2% of C				<b>329.60</b>
<b>F</b>	Transportation @ 7.5% of C				<b>1236.00</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				<b>3296.00</b>

H	Sub Total				<b>21836.00</b>
1	100x50x6mm MS channel	K.g	507.04	65.00	32957.60
2	75x40x6 mm MS channel	K.g	309.76	65.00	20134.40
3	50x50x6 mm MS Angle	K.g	153	65.00	9945.00
4	11 KV AB switch 3 pole(200A)	set	2	7350.00	14700.00
5	11KV HG fuse 3pole (400A)	No	1	11530.00	11530.00
6	11KV L.A-12KV-10KA	No.	6	3550.00	21300.00
7	HT Stay Set (Complete)	Set	9	1050.00	9450.00
8	HT Stay Insulator	No.	9	50.00	450.00
9	HT Stay Clamp(1.95 K.g/Pair)	Pair	9	125.00	1125.00
10	7/10 SWG Stay Wire	KG	90	75.00	6750.00
11	GI Pipe for earthing 40mm dia 3mtr long	No	7	1050.00	7350.00
12	No. 8 GI wire	Kg	70	75.00	5250.00
13	40x6 mm GI Flat for netural	Kg	140	75.00	10500.00
14	Clamp connector and jumpering materials	Ls	1	1000.00	1000.00
15	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 900x600 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	14	2315.15	32412.10
16	Concreting of support CC 1:4:8 using 40 mm BHG metal size- 5'x2'x2'=20CFT=.570Cum Padding 900x600x150 mm =0.081 0.651 cum @ 3071.25 =1999.38 each	No	18	2639.18	47505.24
17	Couping of support section 15"x15" (3.9 Cft) height 2'-6' (1'-6' above G.L & 1'-0' below G.L) in C.C 1:2:4 using 12mm BHG metal & curring for 5 days.	No	18	676.37	12174.66
18	Materials for masonry work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover	No	7	2270.27	15891.89
19	1CX50 sq. mm 11 KV XLPE Cable	Km	1.5	176000.00	264000.00
20	Red Oxide Paint	Ltr	12	150.00	1800.00
21	Alluminium Paint	Ltr	24	200.00	4800.00
22	Black paint	Ltr	9	220.00	1980.00
23	MS nut bolt & Washer	Kg	127	78.00	9906.00
24	LT Distrubution Box including kitkat fuse with MCCB for 63 kVA S/S	No	1	18322.00	18322.00
25	3 1/2 C x95 mm2 PVC cable for 63 KVA Tfr.	Mtr	15	333.00	4995.00

26	Barbed Fencing (size 15'x10') with Construction of retaining wall ,erection of RCC fencing post ,sand filling, metal spreading &Iron grill gate.	LS	1	41580.00	41580.00
27	55 sq. mm Insulated conductor	Km	0.04	67320.00	2692.80
28	11 KV V cross arm 10.2 kg each	No.	5	810.00	4050.00
29	Top bracket 75x40 mm GI Channel(1.3 Kg each)	No	5	100.00	500.00
30	Back clamp for "V" Cross arm(1.70Kg Each)	No	5	80.00	400.00
31	11KV GI Pin	No	33	80.00	2640.00
32	11KV Pin Insulator	No	33	80.00	2640.00
33	11KV H.W Fitting(B&S)	No	42	350.00	14700.00
34	11KV Disc insulator(B&S)70KN	No	84	390.00	32760.00
35	Earthing of support(Coil type)	No	12	166.00	1992.00
36	Concrete slab for base plate size 2ftx2ftx2" thickness for each psc pole	No.	8	485.10	3880.80
37	GI Barbed wire anticlimbing device 2 kg per support	Kg	20	80.00	1600.00
38	L.T Stay set (Complete )	Set	5	<b>520.00</b>	<b>2600.00</b>
39	7/12 SWG Stay Wire	Kg	50	<b>75.00</b>	<b>3750.00</b>
40	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	<b>110.00</b>	<b>550.00</b>
41	L.T Stay Insulator	No.	5	<b>30.00</b>	<b>150.00</b>
42	dead end clamp	Set	5	452.00	2260.00
43	Suspension clamp with I Hook	Set	8	340.00	2720.00
44	Pole clamp for I-Hook	Pair	8	<b>200.00</b>	<b>1600.00</b>
45	Strain fittings	No	4	<b>80.00</b>	<b>320.00</b>
46	AB Cable(3x50+1x35+1x16 sq. mm)	Km	0.35	<b>140000.00</b>	<b>49000.00</b>
47	Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing cable Socket etc.	LS	1	12192.00	12192.00
<b>A</b>	TOTAL MATERIAL COST(FOR-2020-21)				<b>750806.49</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>22524.19</b>
<b>C</b>	Sub Total (C=A+B)				<b>773330.68</b>
<b>D</b>	Contingency @3% of C				<b>23199.92</b>
<b>E</b>	T & P 2% of C				<b>15466.61</b>
<b>F</b>	Transportation @ 7.5% of C				<b>57999.80</b>
<b>G</b>	Erection Charges of other @ 10%				<b>77333.07</b>
<b>H</b>	Sub Total				<b>947330.09</b>
<b>I</b>	Total Estimated Cost				<b>1512653.06</b>
<b>J</b>	Total Estimated Cost in Figures				<b>15,12,653.00</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.)