

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 JAKHAPURA POLICE STATION AT DANAGADI IN THE DIST. OF JAJPUR.					
BID REF NO.- 08/JM/ELECT/OPHWC/2020-21					
Bidder Name					
<u>SCHEDULE OF WORKS</u>					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>SCOPE [A]</b>	Construction of 3 ph 3 wire 11 KV line using 55 sq. mm Insulated conductor.	<b>KM</b>	<b>1.1</b>		
<b>SCOPE [B]</b>	Installation of 25 KVA 11/0.4KV (Star Rated) DP mounted sub station .	<b>NO</b>	<b>1</b>		
<b>SCOPE [C]</b>	Construction of 3 ph 5 wire LT line with (3x50+1x35+1x16) sq.mm AB cable.	<b>KM</b>	<b>0.250</b>		
<b>SCOPE [D]</b>	Line DP	<b>NO</b>	<b>1.0</b>		
1	11 mtrLong 150x150 mm RS Joist pole	No.	25	24739	618475.00
2	9 mtrLong 116x100 mm RS Joist pole	No.	5	13455	67275.00
3	11 K.V. V cross arm	No.	22	810	17820.00
4	11 KV Back clamp for V cross Arm	No.	22	80	1760.00
5	11 KV pole Top F clamp	No.	22	240	5280.00
6	11 KV Pin Insulator 5 KN polymer type	No.	75	200	15000.00
7	11 KV B&S Hardware (70KN)	set	24	350	8400.00
8	Disc insulator(B&S)polymer type 70 KN	No	24	1150	27600.00
9	100x50x6 mm MS Channel	Kg	240	65	15600.00
10	75x40x6 mm MS Channel	Kg	40	65	2600.00
11	50x50x5 mm MS Angle	Kg	30	65	1950.00
12	18mm GI HT Stay	set	8	1050	8400.00
13	7/10 SWG Stay wire	Kg	80	75	6000.00
14	HT Stay clamp	Pair	8	125	1000.00
15	HT Stay Insulator	No.	8	50	400.00
16	Earthing coil type	No	26	166	4316.00
17	55 sq. mm insulated conductor	Km	3.45	75816	261565.20
18	Anticlimbing device	Kg	50	80	4000.00
19	GI Nut bolt with washer	Kg	80	78	6240.00
20	3x50+1x35+1x16 sqmm AB cable	Mtr.	275	140	38500.00
21	Dead end Clamp	No.	2	65	130.00
22	Suspension Clamp with eye hook	No.	2	340	680.00
23	pole clamp with eye hook for ABC	No	5	200	1000.00
24	Piercing connector	No	10	80.00	800.00
25	Neutral connector	No	10	40.00	400.00
26	LT stay set	No	3	520	1560.00
27	7/12 SWG GI Stay wire	Kg	30	75	2250.00
28	LT stay Clamp	No	3	110	330.00
29	LT Stay Insulator	No.	3	30	90.00
30	Material cost for concreting of Joist Pole 1.8 Mtr.x0.5 Mtr.x0.5 mtr.=0.45cum(PCC 1:2:4)	No	30	2040.00	61200.00

31	Material cost for concreting of stay 1.65 Mtr.x0.3 Mtr.x0.3 mtr.=0.1485cum(PCC 1:2:4)	No.	11	834.00	9174.00
32	Sundries	Ls	1	5000	5000.00
<b>A</b>	<b>TOTAL MATERIAL COST</b>				<b>1194795.20</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>35843.86</b>
<b>C</b>	Sub Total (C=A+B)				<b>1230639.06</b>
<b>D</b>	Contingency @3% of C				<b>36919.17</b>
<b>E</b>	T & P 2% of C				<b>24612.78</b>
<b>F</b>	Transportation @ 7.5% of C				<b>92297.93</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				<b>0.00</b>
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				<b>35316.13</b>
<b>I</b>	Erection Charges of other @ 10%				<b>52431.66</b>
<b>J</b>	Sub Total				<b>1472216.73</b>
	<b>SUB-STATION PART:</b>				
1	11 Mtr long 150x150 mm RS Joist pole	No.	2	24739.00	49478.00
2	100x50x6 mm MS Channel	Kg	140	65	9100.00
3	75x40x6 mm MS Channel	Kg	85	65	5525.00
4	50x50x5 mm MS Angle	Kg	65	65	4225.00
5	18mm GI HT Stay	set	2	1050	2100.00
6	7/10 SWG Stay wire	Kg	20	75	1500.00
7	HT Stay clamp	Pair	2	125	250.00
8	HT Stay Insulator	No.	2	50	100.00
9	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	5	1050	5250.00
10	25x5 mm GI Flat	Kg	30	75	2250.00
11	No.6/8 GI wire	Kg	20	75	1500.00
12	3Pole 11KV 400A AB switch	set	1	11850	11850.00
13	3Pole 11KV 400A HG Fuse	set	1	11530	11530.00
14	11 KV LA12 KV-10 KA	No	3	3550	10650.00
15	55 sq. mm insulated conductor	Km	0.04	75816.00	3032.64
16	LT distribution Box including kit-kat fuse with MCCB for 25 KVA Transformer	No.	1	14930	14930.00
17	25 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	53800	53800.00
18	185 sq. mm 3.5 core PVC Cable	Mtr.	15	635	9525.00
19	All. Cable socket 185 sq. mm	No	32	52	1664.00
20	GI Nut, Bolt & washer	Kg	40	78	3120.00
21	Boundary wall with grill gate, metal spreading and sand filling	No	1	35000	35000.00
22	Material cost for concreting of Joist Pole 1.8 Mtr.x0.5 Mtr.x0.5 mtr.=0.45cum(PCC 1:2:4)	No	2	2040.00	4080.00
23	Material cost for concreting of stay 1.65 Mtr.x0.3 Mtr.x0.3 mtr.=0.1485cum(PCC 1:2:4)	No.	2	834.00	1668.00
24	Red Oxide paint	Ltr	3	150	450.00
25	All. Paint	Ltr	4	200	800.00

26	Black Paint	Ltr	0.5	220	110.00
27	Earthing with materials	No	5	1890	9450.00
28	Sundries	Ls	1	5000	5000.00
<b>A</b>	TOTAL MATERIAL COST				<b>257937.64</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				7738.13
<b>C</b>	Sub Total (C=A+B)				265675.77
<b>D</b>	Contingency @3% of C				7970.27
<b>E</b>	T & P 2% of C				5313.52
<b>F</b>	Transportation @ 7.5% of C				19925.68
<b>G</b>	Erection Charges for PSC Pole @ 20%				0.00
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				5318.82
<b>I</b>	Erection Charges of other @ 10%				15929.94
<b>J</b>	Sub Total				320134.00
<b>L</b>	Total Estimated Cost				1792350.73
<b>M</b>	<b>Total Estimated Cost in Figures</b>				<b>1792351.00</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.

**Signature of Tenderer with seal**

Sd/-  
Asst. Project Manager[Elect.]

Sd/-  
Consultant(Elect.)

Sd/-  
APM Elect. (Hqr.)

Sd/-  
Joint Manager(Elect.)