

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 6-F TYPE QTRS. AT DHAMNAGAR POLICE STATION IN THE DIST. OF BHADRAK.					
BID REF NO.- 07/JM/ELECT/OPHWC/2019-20					
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 SC HT cable.	<b>KM</b>	<b>0.22</b>		
<b>SCOPE [B]</b>	Installation of 63 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>0.04</b>		
<b>SCOPE [D]</b>	Installation of 11 KV 3 Pole 400 A Line AB switch with DP structure-1 No.	<b>No</b>	<b>1.0</b>		
1	9 Mtr long 150x150 mm RS Joist pole	No.	4	<b>17901.00</b>	<b>71604.00</b>
2	11 K.V. V cross arm	No.	1	<b>810.00</b>	<b>810.00</b>
3	11 KV F clamp	No.	1	240.00	<b>240.00</b>
4	Back clamp for V cross Arm	No.	1	<b>80.00</b>	<b>80.00</b>
5	11 KV Pin Insulator polymer	No.	6	200.00	<b>1200.00</b>
6	11 HW fitting(T&C)45 KN	No	18	130.00	<b>2340.00</b>
7	11 KV Disc insulator(T&C)45 KN polymer	set	36	<b>860.00</b>	<b>30960.00</b>
8	HT stay set complete	Set	3	<b>1050.00</b>	<b>3150.00</b>
9	HT Stay clamp	Pair	3	<b>125.00</b>	<b>375.00</b>
10	HT Stay Insulator	No.	30	<b>50.00</b>	<b>1500.00</b>
11	7/10 SWG Stay wire	Kg	3	<b>75.00</b>	<b>225.00</b>
12	Earthing of support coil type	No	4	<b>166.00</b>	<b>664.00</b>
13	55 sq. mm SC HT cable	Km	0.68	<b>75816.00</b>	<b>51554.88</b>
14	3Pole 11KV 400A AB switch	set	1	<b>11850.00</b>	<b>11850.00</b>
15	Anticlimbing device made of GI Barbed	Kg	8	<b>80.00</b>	<b>640.00</b>
16	100x50x6 mm MS Channel	Kg	120	<b>65.00</b>	<b>7800.00</b>
17	75x40x6 mm MS Channel	Kg	52	<b>65.00</b>	<b>3380.00</b>
18	50x50x6 mm MS Angle	Kg	40	<b>65.00</b>	<b>2600.00</b>
19	GI nut,bolt of assorted size	Kg	40	<b>78.00</b>	<b>3120.00</b>
20	Material cost for concreting of stay 1.65 Mtr.x0.3 Mtr.x0.3 mtr.=0.1485cum(PCC 1:2:4)	No.	3	<b>834.00</b>	<b>2502.00</b>
21	Material cost for concreting of Pole	No	4	<b>834.00</b>	<b>3336.00</b>
22	Sundries for survey, tree cutting, small size nut & bolt with washer, allm. Binding tape, Danger Board etc and other.	LS	0.22	<b>3000</b>	<b>660.00</b>
<b>LT LINE PART:</b>					
1	9 Mtr long 150x150 mm RS Joist pole	No.	1	<b>17901.00</b>	<b>17901.00</b>
2	3x50+1x35+1x16 sqmm AB cable	KM	0.044	<b>140000</b>	<b>6160.00</b>
3	pole clamp with eye hook for ABC	No	1	<b>200</b>	<b>200.00</b>
4	Dead end Clamp	No.	1	<b>65</b>	<b>65.00</b>
5	GI nut,bolt of assorted size	Kg	1	<b>78.00</b>	<b>78.00</b>

6	16 MM GI LT stay set	No	1	520	520.00
7	7/12 GI Stay wire	Kg	10	75	750.00
8	Clamp for LT stay	Pair	1	110	110.00
9	LT Stay Insulator	No.	1	30	30.00
10	Piercing connector	No	2	80.00	160.00
11	Neutral connector	No	2	40.00	80.00
12	concreting of stay	Each	1	834	834.00
13	Sundries for survey, tree cutting, Insulated tape, Mceal compound etc.	LS	0.04	2000	80.00
<b>SUB-STATION PART:</b>					
1	9 Mtr long 150x150 mm RS Joist pole	No.	2	17901.00	35802.00
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long 2 Nos. (9.2 K.g per mtr)	Kg	52	65.00	3380.00
3	Transformer mounting channel 100x50x6mm GI channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	52	65.00	3380.00
4	AB switch & HG Fuse, Mounting GI Channel (75x40x6)-2.8mtr long 4 nos(6.8 k.g per mtr)	Kg	76	65.00	4940.00
5	Transformer belting Angle 50x50x6mm-2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr)	Kg	32	65.00	2080.00
6	Angel for mounting LT distribution Box - 50x50x6 mm -2.5.0 mtrs each Long 2 Nos. (4.5 Kg per mtr)	Kg	23	65.00	1495.00
7	3Pole 11KV 200A AB switch	set	1	7350	7350.00
8	3Pole 11KV 200A HG Fuse	set	1	6120	6120.00
9	11 KV LA12 KV-10 KA	No	3	3550	10650.00
10	HT stay set complete	Set	2	1050.00	2100.00
11	HT Stay clamp	Pair	2	125.00	250.00
12	HT Stay Insulator	No.	2	50.00	100.00
13	7/10 SWG Stay wire	Kg	20	75.00	1500.00
14	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	5	1050	5250.00
15	No.6 GI wire	Kg	20	75	1500.00
16	25x5 mm GI Flat for neutral earthing	Kg	20	75	1500.00
17	55 sq. mm SC HT cable	Km	0.04	75816.00	3032.64
18	Red Oxide paint	Ltr	3	150	450.00
19	All. Paint	Ltr	4	200	800.00
20	Black Paint	Ltr	0.5	220	110.00
21	MS Nut, Bolt & washer	Kg	36	78	2808.00
22	63 KVA 11/0.4 KV Transformer(3 star rated)	No.	1	86500	86500.00
23	LT distribution Box including kit-kat fuse with MCCB for 63 KVA Transformer	No.	1	18322	18322.00
24	185 sq. mm 3.5 core PVC Cable	Mtr.	15	635	9525.00
25	All. Cable socket 185 sq. mm	No	32	35	1120.00
26	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

27	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
28	Boundary wall with grill gate, metal spreading and sand filling	No	1	35000	35000.00
29	Earthing of locations (pipe type) including supply of charcoal/coke,salt and good earth(loam/black cotton soil)	No	5	1620	8100.00
30	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1	2000	2000.00
<b>A</b>	<b>TOTAL MATERIAL COST(FOR-2018-19)</b>				<b>488471.52</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>14654.15</b>
<b>C</b>	Sub Total (C=A+B)				<b>503125.67</b>
<b>D</b>	Contingency @3% of C				<b>15093.77</b>
<b>E</b>	T & P 2% of C				<b>10062.51</b>
<b>F</b>	Transportation @ 7.5% of C				<b>37734.42</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>10908.06</b>
<b>I</b>	Erection Charges of other @ 10%				<b>28496.39</b>
<b>J</b>	Sub Total				<b>605420.82</b>
<b>K</b>	Labour charges for dismantalling and transportation of Dismantalled materials(Detail as per estimate)				<b>11053.00</b>
<b>L</b>	Total Estimated Cost				<b>616473.82</b>
<b>M</b>	<b>Total Estimated Cost in Figures</b>				<b>616474.00</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.)**