

**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 POLICE AID POST AT NARAJ IN THE DIST. OF CUTTACK.**

**BID REF NO.- 17/JM/ELECT/OPHWC/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.
SCOPE-A	<b>Construction of 3 ph 3 wire 11 KV line using 80 sq. mm AAA Conductor &amp; provision of Double Disc insulator at tension point-0.1 Km</b>				
1	100x50x6mm MS channel	Kg.	70	65.00	4550.00
2	Earthing of support(Coil type)	No	3	166.00	498.00
3	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	3	2799.13	8397.39
4	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	3	717.36	2152.08
5	11 kv GI pin	Set	3	80.00	240.00
6	11 KV Pin Insulator	Set	3	80.00	240.00
7	11 KV Disc insulator 70 KN BS	No.	12	390.00	4680.00
8	11 KV H/W fitting	Set	6	350.00	2100.00
9	80 sq. mm AAA conductor	Km	0.3	43000.00	12900.00
10	Red Oxide Paint	Ltr	5	150.00	750.00
11	Alluminium Paint	Ltr	5	200.00	1000.00
12	MS Nut,Bolt & washer of different sizes	Kg	10	71.00	710.00
13	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board 4 nos.etc .	LS	1	500.00	500.00
<b>A</b>	<b>TOTAL MATERIAL COST(FOR-2019-20)</b>				<b>38717.47</b>
<b>B</b>	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				<b>1161.52</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>39878.99</b>
<b>D</b>	<b>Contingency @3% of C</b>				<b>1196.37</b>
<b>E</b>	<b>T &amp; P 2% of C</b>				<b>797.58</b>

F	Transportation @ 7.5% of C				<b>2990.92</b>
G	Erection Charges for PSC Pole @ 20%				<b>0.00</b>
H	Erection Charges of DTR and Joist Poles @ 5%				<b>0.00</b>
I	Erection Charges of other @ 10%				<b>3987.90</b>
J	Sub Total				<b>48851.77</b>
<b>SCOPE-B</b>	<b>Installation of 25 KVA, 11/0.4 KV pole mounted S/S-1 No.</b>				
1	100x50x6mm MS channel	K.g	104	65.00	6760.00
2	75x40x6mm MS channel	K.g	90	65.00	5850.00
3	50x50x6mm MS Angle	K.g	81	65.00	5265.00
4	11 KV AB switch 3 pole(200A)	set	1	7350.00	7350.00
5	11KV HG fuse 3pole (400A)	No	1	11530.00	11530.00
6	11KV L.A-12KV-10KA	No.	3	3550.00	10650.00
7	HT Stay Set (Complete)	Set	2	1050.00	2100.00
8	HT Stay Insulator	No.	2	40.00	80.00
9	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	125.00	250.00
10	7/10 SWG Stay Wire	KG	20	75.00	1500.00
11	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	2	2455.16	4910.32
12	GI Pipe for earthing 40mm dia 3mtr long	No	5	1050.00	5250.00
13	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	2	2799.13	5598.26
14	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	2	717.36	1434.72
15	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover	No	5	2407.86	12039.30
16	50X6 Copper Z clamp for Tfr LT 4 Nos.x0.8 Kg each for connection of LT cable	Kg	3.2	1176.00	3763.20

17	NO-6 GI wire	Kg	20	75.00	1500.00
18	40x6 mm GI Flat for netural	Kg	20	75.00	1500.00
19	55 sq. mm AAA Conductor	Km	0.04	30000.00	1200.00
20	Ms nut bolt & Washer	Kg	36	71.00	2556.00
21	LT Distrubution Box including kitkat fuse with MCCB for 25 kVA S/S .	No	1	14930.00	14930.00
22	3 1/2 x35 mm2 PVC cable for )25 kva Tfr.	Mtr	15	152.00	2280.00
23	Boundary wall (size 15'x15') with sand filling and metal spreading, fixing of Iron gril gate etc.	No	1	44100.00	44100.00
24	Sundries for survey, PVC tape , Ampire tape, Danger Board, small size nut & bolt preparation of drawing cable Socket etc.	LS	1	3100.00	3100.00
<b>A</b>	TOTAL MATERIAL COST(FOR-2019-20)				<b>155496.80</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>4664.90</b>
<b>C</b>	Sub Total (C=A+B)				<b>160161.70</b>
<b>D</b>	Contingency @3% of C				<b>4804.85</b>
<b>E</b>	T & P 2% of C				<b>3203.23</b>
<b>F</b>	Transportation @ 7.5% of C				<b>12012.13</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>0.00</b>
<b>I</b>	Erection Charges of other @ 10%				<b>16016.17</b>
<b>J</b>	Sub Total				<b>196198.09</b>
1	150X150 MM 11 Mtr. Long Rs Joist Pole 2 Nos	Kg	761.2	65.00	49478.00
2	100X116 MM 11 Mtr. Long Rs Joist Pole 1 No for strud	Kg	253	65.00	16445.00
3	150X150 MM 10 Mtr. Long Rs Joist Pole 2 Nos	Kg	692	65.00	44980.00
4	25 KVA ,11/0.4 KV Transformer BIS Energy Level-II	No	1	53800.00	53800.00
<b>A</b>	TOTAL MATERIAL COST(FOR-2018-19)				<b>164703.00</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>4941.09</b>
<b>C</b>	Sub Total (C=A+B)				<b>169644.09</b>
<b>D</b>	Contingency @3% of C				<b>5089.32</b>
<b>E</b>	T & P 2% of C				<b>3392.88</b>

<b>F</b>	Transportation @ 7.5% of C				<b>12723.31</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>8482.20</b>
<b>I</b>	Erection Charges of other @ 10%				<b>0.00</b>
<b>J</b>	Sub Total				<b>199331.81</b>
<b>K</b>	Total Estimated Cost				<b>444381.66</b>
<b>L</b>	Total Estimated Cost in Figures				<b>444382.00</b>
EXCESS	<input type="text"/> LESS <input type="text"/> (Please Tick)	_____ %			
Quoted Amount in Figure					
Quoted Amount in words					

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

**Signature of Tenderer with seal**

**Sd/-  
Asst. Project Manager[Elect.]**

**Sd/-  
APM (Elect.) Hqr.**

**Sd/-  
Joint Manager(Elect.)**