

**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 CENTRAL RANGE  
FIRE OFFICE CUTTACK IN THE DIST. OF CUTTACK.**

**BID REF NO.- 32/JM/ELECT/OPHWC/2020-21**

<b>Bidder Name</b>	
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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>using 35 sq. mm XLPE cable on 100x116 mm 10 Mtr. Long RS Joist-0.2 Km</b>				
<b>1</b>	100x50x6mm MS channel	Kg.	40	65.00	2600.00
<b>2</b>	Concreting of support & styd C.C 1:4:8 with 40 mm BHG metal size- 7'x2'x2'=28CFT=.8Cum Padding 900x600x150 mm =0.081Cum	No	4	2799.13	11196.52
<b>3</b>	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x600 mm)mm using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	1	2455.46	2455.46
<b>4</b>	HT Stay Set (Complete)	Set	1	1050.00	1050.00
<b>5</b>	HT Stay Insulator	No.	1	40.00	40.00
<b>6</b>	HT Stay Clamp(1.95 K.g/Pair)	Pair	1	125.00	125.00
<b>7</b>	7/10 SWG Stay Wire	KG	10	75.00	750.00
<b>8</b>	11 kv GI pin	Set	6	80.00	480.00
<b>9</b>	11 KV Pin Insulator	Set	6	80.00	480.00
<b>10</b>	11 KV Disc insulator B&S	No.	6	390.00	2340.00
<b>11</b>	11 KV H/W fitting B&S	Set	3	350.00	1050.00
<b>12</b>	3 core 35 sq. mm XLPE cable	Mtr	220	359.00	78980.00
<b>13</b>	3 core 35 sq. mm XLPE cable jointing kit outdoor type	No	4	9416.00	37664.00
<b>14</b>	Earthing of support(Coil type)	No	1	166.00	166.00
<b>15</b>	Nut,Bolt of different sizes	Kg	8	71.00	568.00
<b>16</b>	Red Oxide Paint	Ltr	4	150.00	600.00
<b>17</b>	Alluminium Paint	Ltr	4	200.00	800.00

18	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	4	717.36	2869.44
19	Sundries for survey,Danger Board, Anticlimbing Device,socket ,pvc tape, Ampire tape, Nut & bolt, Preparation of drawing cable socket etc .	LS	1	500.00	500.00
A	TOTAL MATERIAL COST(FOR-2019-20)				<b>144714.42</b>
B	Stock, Storage & Insurance @ 3% of A				<b>4341.43</b>
C	Sub Total (C=A+B)				<b>149055.85</b>
D	Contingency @3% of C				<b>4471.68</b>
E	T & P 2% of C				<b>2981.12</b>
F	Transportation @ 7.5% of C				<b>11179.19</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>14905.59</b>
J	Sub Total				<b>182593.42</b>
<b>SCOPE-B</b>	<b>Installation of 100 KVA, 11/0.4 KV S/S-1 No.</b>				
1	100x50x6mm MS channel	K.g	51	65.00	3315.00
2	75x40x6mm MS channel	K.g	120	65.00	7800.00
3	50x50x6mm MS Angle	K.g	90	65.00	5850.00
4	11 KV AB switch 3 pole(400A)	set	1	11850.00	11850.00
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 Clamp(1.95 K.g/Pair)	Pair	2	125.00	250.00
9	7/10 SWG Stay Wire	KG	20	75.00	1500.00
10	11KV Disc insulator B & S Double Disc 70 KN	No.	6	390.00	2340.00
11	11KV H.W Fittings B&S	No.	3	350.00	1050.00
12	GI Pipe for earthing 40mm dia medium gauge 3mtr long	No	5	1050.00	5250.00
13	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	2455.46	4910.92

14	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
15	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
16	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
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	80 sq. mm AAA Conductor	Km	0.04	43000.00	1720.00
20	Red Oxide Paint	Ltr	3	150.00	450.00
21	Alluminium Paint	Ltr	4	200.00	800.00
22	Black Paint	Ltr	0.5	220.00	110.00
23	Ms nut bolt & Washer	Kg	36	71.00	2556.00
24	LT Distrubution Box including kitkat fuse with MCCB for 100 kVA S/S with arrangement of 2 Nos I/C & 3 Nos. O/G LT Feeder .	No	1	24419.00	24419.00
25	3 1/2 x150 mm2 PVC cable for I/C(1 No.)250 KVA Transformer	Mtr	15	504.00	7560.00
26	3 1/2 x150 mm2 PVC cable for outgoing	Mtr	40	504.00	20160.00
27	Plinth for TFR	No	1	16800.00	16800.00
28	Boundary wall (size15'x15')with sand filling and metal spreading ,Fixing of Iron grill gate etc.	No	1	41580.00	41580.00
29	100x116 mm RS Joist 4 Mtr Long x23 Kg for resting of LT cable	Kg	92	65.00	5980.00
30	Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing All. Socket etc.	LS	1	4200.00	4200.00
<b>A</b>	TOTAL MATERIAL COST(FOR-2019-20)				<b>216803.20</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>6504.10</b>
<b>C</b>	Sub Total (C=A+B)				<b>223307.30</b>

D	Contingency @3% of C				<b>6699.22</b>
E	T & P 2% of C				<b>4466.15</b>
F	Transportation @ 7.5% of C				<b>16748.05</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>22330.73</b>
J	Sub Total				<b>273551.44</b>
<b>SCOPE-C</b>	<b>Construction of 3 Ph 5 W LT Line with 3x95+1x70+1x16 sq. mm AB cable-0.6 KM.</b>				
<b>1</b>	L.T Stay set (Complete )	Set	4	<b>520.00</b>	<b>2080.00</b>
<b>2</b>	7/12 SWG Stay Wire	Kg	40	<b>75.00</b>	<b>3000.00</b>
<b>3</b>	L.T Stay Clamp(1.4 K.g/Pair)	Kg	4	<b>110.00</b>	<b>440.00</b>
<b>4</b>	L.T Stay Insulator	No.	4	<b>30.00</b>	<b>120.00</b>
<b>5</b>	Fixing and concreting 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	4	2455.46	9821.84
<b>6</b>	3 Ph 5 W X arm	No	8	<b>730.00</b>	<b>5840.00</b>
<b>7</b>	Nuts & Bolts	Kg	20	<b>71.00</b>	<b>1420.00</b>
<b>8</b>	LT Shackle insulator	No	16	<b>30.00</b>	<b>480.00</b>
<b>9</b>	GI strap and bolt	Pair	16	<b>80.00</b>	<b>1280.00</b>
<b>10</b>	Earthing coil each 5 th pole to earth	No	2	<b>166.00</b>	<b>332.00</b>
<b>11</b>	AB Cable(3x95+1x70+1x16) sq. mm	Km	0.63	<b>243000.00</b>	<b>153090.00</b>
<b>12</b>	Red Oxide Paint	Ltr	8	150.00	1200.00
<b>13</b>	Alluminium Paint	Ltr	8	200.00	1600.00
<b>14</b>	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	8	717.36	5738.88
<b>15</b>	Sundries(survey,tree cutting,insulated tape etc.)	L/S	1	<b>1000.00</b>	<b>1000.00</b>
<b>A</b>	TOTAL MATERIAL COST(FOR-2019-20)				<b>187442.72</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>5623.28</b>
<b>C</b>	Sub Total (C=A+B)				<b>193066.00</b>
<b>D</b>	Contingency @3% of C				<b>5791.98</b>

<b>E</b>	T & P 2% of C				<b>3861.32</b>
<b>F</b>	Transportation @ 7.5% of C				<b>14479.95</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>19306.60</b>
<b>J</b>	Sub Total				<b>236505.85</b>
<b>1</b>	100X116 MM 10 Mtr. Long Rs Joist Pole 2 Nos	Kg	460	65.00	29900.00
<b>2</b>	100X116 MM 10 Mtr. Long Rs Joist Pole 2 Nos strut	Kg	460	65.00	29900.00
<b>3</b>	150X150 MM 10 Mtr. Long Rs Joist Pole 2 Nos for DP	Kg	692	65.00	44980.00
<b>4</b>	125X75 MM 8 Mtr. Long Rs Joist Pole 8 Nos	Kg	832	65.00	54080.00
<b>5</b>	100 KVA ,11/0.4 KV Transformer BIS Energy Level-II	No	1	117000.00	117000.00
<b>A</b>	TOTAL MATERIAL COST(FOR-2018-19)				<b>275860.00</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>8275.80</b>
<b>C</b>	Sub Total (C=A+B)				<b>284135.80</b>
<b>D</b>	Contingency @3% of C				<b>8524.07</b>
<b>E</b>	T & P 2% of C				<b>5682.72</b>
<b>F</b>	Transportation @ 7.5% of C				<b>21310.19</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>14206.79</b>
<b>I</b>	Erection Charges of other @ 10%				<b>0.00</b>
<b>J</b>	Sub Total				<b>333859.57</b>
<b>K</b>	Total Estimated Cost				<b>1026510.27</b>
<b>L</b>	Total Estimated Cost in Figures				<b>1026510.00</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.)**