

**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 DIFFERENT BUILDING INSIDE THE CAMUS OF 1ST. OSAP BATALLION IN THE DISTRICT OF DHENKANAL.**

**BID REF NO :- 45/JM/ELECT/OPHWC/2020-21**

<b>NAME OF THE BIDDER</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>Installation of 250 KVA, 11/0.4 KV S/S-1 No.</b>				
1	250 KVA 11/0.4 KV Transformer,BIS Energy Level-II	No	1	268450.00	268,450.00
2	LT Distrubution Box including kitkat fuse with MCCB & Alm.Bus Bar for 250 kVA S/S	No	1	48000.00	48,000.00
3	3 1/2 x300 mm2 LT PVC cable (Un armed)I/C	Mtr	12	994.00	11,928.00
4	3 1/2 x300mm2 LT PVC cable (Un armed)O/G	Mtr	40	994.00	39,760.00
5	100X116 MM 10 Rs Joist 4mtr long x23 Kg for resting of LT Cable	No	92	65.00	5,980.00
6	Plinth for Transformer 6'height(below GL2')x5'x5'	No	1	12000.00	12,000.00
7	11 KV AB switch 3 pole(400A)	set	1	11850.00	11,850.00
8	11KV HG fuse 3pole (400A)	No	1	11530.00	11,530.00
9	11KV L.A-12KV-10KA	No.	3	3550.00	10,650.00
10	No.6 GI Wire	Kg	20	75.00	1,500.00
11	GI Pipe for earthing 40mm dia medium gauge 3mtr long	No	5	1050.00	5,250.00
12	40x6 mm GI flat for Neutral	Kg	40	75.00	3,000.00
13	Ms nut bolt & Washer	Kg	5	71.00	355.00
14	55 sq. mm AAAC	Km	0.05	39398.80	1,969.94
15	11 KV Disc insulator B&S 70 KN	No.	12	390.00	4,680.00
16	11 KV H/W fitting B&S 70 KN	Set	6	350.00	2,100.00
17	100x50x6 mm MS channel ..	K.g	120	65.00	7,800.00
18	75x40x6mm,MS channel	K.g	60	65.00	3,900.00
19	50x50x6mm MS Angle	No.	20	65.00	1,300.00
20	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover	No	5	1719.90	8,599.50

21	Sundries	LS	1	500.00	500.00
	Total Rs.				<b>461,102.44</b>
SCOPE-B	<b>Construction of 3 ph 3 wire 11 KV line - 0.6Km</b>				
1	100X116 MM 11 Mtr. Long Rs Joist Pole	No	12	16445.00	197,340.00
2	Top Bracket	No	7	240.00	1,680.00
3	100x50x6 mm MS Channel	kg	360	65.00	23,400.00
4	11 KV V cross Arm	No	7	810.00	5,670.00
5	Back clamp for V cross arm 1.70 Kg each	No	7	80.00	560.00
6	11 kv GI pin	Set	36	80.00	2,880.00
7	11 KV Pin Insulator	Set	36	80.00	2,880.00
8	11 KV Disc insulator B&S 70 KN	No.	72	390.00	28,080.00
9	11 KV H/W fitting B&S 70 KN	Set	36	350.00	12,600.00
10	HT Stay set complete	Set	11	1050.00	11,550.00
11	HT stay Insulator	Set	11	50.00	550.00
12	HT Stay Clamp(1.95 K.g/Pair)	Pair	11	125.00	1,375.00
13	7/10 SWG Stay Wire	KG	110	75.00	8,250.00
14	MS Nut,Bolt of different sizes	Kg	40	71.00	2,840.00
15	Earthing of support(Coil type)	No	12	166.00	1,992.00
16	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm)mm using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	11	1753.90	19,292.90
17	55 sq. mm Insulated Conductor	Km	1.85	39398.80	72,887.78
18	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	12	1999.38	23,992.56
19	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 & Curing for 5 days	No	12	512.40	6,148.80
20	Red Oxide Paint	Ltr	12	150.00	1,800.00
21	Alluminium Paint	Ltr	12	200.00	2,400.00
22	Black Paint	Ltr	11	220.00	2,420.00
23	GI barbed wire anticlimbing device 2 kg per support	Kg	24	80.00	1,920.00

24	Sundries(survey,tree cutting,small size nut bolt , Allm. Binding wire/tape & Danger board 4 Nos. etc.)	L/S	1	5000.00	5,000.00
	Total Rs.				<b>437,509.04</b>
<b>SCOPE-C</b>	<b>Construction of 3Ph 5 W LT Line -0.3 Km &amp; stringing of additional 3Ph 5W new LT Circuit in the existing pole-0.25 Km</b>				
1	100X116 MM 9 Mtr. Long Rs Joist Pole	No	8	13455.00	107,640.00
2	L.T Stay Insulator	No.	4	<b>30.00</b>	<b>120.00</b>
3	L.T Stay set (Complete )	Set	4	<b>520.00</b>	<b>2,080.00</b>
4	L.T Stay Clamp(1.4 K.g/Pair)	Pair	4	<b>110.00</b>	<b>440.00</b>
5	7/10 SWG Stay Wire	Kg	40	<b>75.00</b>	<b>3,000.00</b>
6	5/8 Nuts & Bolts	Kg	15	<b>71.00</b>	<b>1,065.00</b>
7	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	1753.90	7,015.60
8	Dead end clamp	No	8	<b>65.00</b>	<b>520.00</b>
9	Suspension clamp with Eye Hook	No	8	<b>340.00</b>	<b>2,720.00</b>
10	Insulated piercing connector	No	4	<b>80.00</b>	<b>320.00</b>
11	Strain fitting	No	4	<b>66.00</b>	<b>264.00</b>
12	Guy grip Dead end	No	4	<b>59.40</b>	<b>237.60</b>
13	Earthing Coil type	No	8	<b>166.00</b>	<b>1,328.00</b>
14	AB Cable(3x50+1x35+1x16) sq. mm	Km	0.32	<b>140000.00</b>	<b>44,800.00</b>
15	AB Cable(3x95+1x70+1x16) sq. mm	Km	0.26	<b>243000.00</b>	<b>63,180.00</b>
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	8	1999.38	15,995.04
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 & Curing for 5 days	No	8	512.40	4,099.20
18	Red Oxide Paint	Ltr	8	150.00	1,200.00
19	Alluminium Paint	Ltr	8	200.00	1,600.00
20	Black Paint	Ltr	7	220.00	1,540.00
21	Sundries(survey,tree cutting,insulated tape etc.)	L/S	1	<b>500.00</b>	<b>500.00</b>
	Total Rs.				<b>259,664.44</b>
<b>A</b>	<b>TOTAL MATERIAL COST</b>				<b>1,158,275.92</b>

<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>34,748.28</b>
<b>C</b>	Sub Total (C=A+B)				<b>1,193,024.20</b>
<b>D</b>	Contingency @3% of C				<b>35,790.73</b>
<b>E</b>	T & P 2% of C				<b>23,860.48</b>
<b>F</b>	Transportation @ 7.5% of C				<b>89,476.81</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%		20%	0.00	-
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%		5%	590632.90	<b>29,531.65</b>
<b>I</b>	Erection Charges of other @ 10%		10%	602391.00	<b>60,239.10</b>
<b>J</b>	Total Estimated Cost				<b>1,431,922.97</b>
<b>K</b>	Total Estimated Cost in Figures				<b>1,431,923.00</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 Bidder with seal**

**Sd/-  
Asst. Project Manager (Elect)**

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

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