

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
**[Electrical Division]**  
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**E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in**

**PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO CENTRAL INSTRUMENTATION CENTRE BUILDING AT BERHAMPUR UNIVERSITY, BERHAMPUR.**

**BID REF NO :- 64/PM/ELECT/OPHWC/2023-24**

<b>SCHEDULE OF WORKS</b>					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2022-23	AMOUNT IN RS.
<b>SCOPE-A</b>	<b>Construction of 3 ph 3 wire 11 KV OH line with 55 sq. mm AAA Conductor -0.42 KM</b>				
1	9 Mtr. Long 300 KG PSC Pole	No	6	3900.00	23400.00
2	8 mtr. Long 200 Kg PSC Pole	No	2	2600.00	5200.00
3	11KV Disc insulator B&S 45 KN Polymer type	No.	24	1118.00	26832.00
4	11KV H.W Fittings B&S 45 KN	No.	24	338.00	8112.00
5	GI Straight Cross Arm 100X50X6mm, 9.56 K.G./Mtr, each channel length 1.2 Mtr, 02 no,s channel required=(3x9.56x1.2)	Kg	34.416	97.50	3355.56
6	GI Straight Cross Arm 100X50X6mm, 9.56 K.G./Mtr, each channel length 0.306 Mtr, 02 no,s channel required=(6x9.56x0.306)	Kg	17.55	97.50	1711.13
7	HT stay set complete	set	2	1365.00	2730.00
8	HT stay insulator	No.	2	65.00	130.00
9	Stay Clamp(1.95 kg/pair)	Pair	2	162.50	325.00
10	7/10 SWG GI Saty wire Grade-2	Kg	20	97.50	1950.00
11	Concrete material for stay anchor plate	No	2	1651.00	3302.00
12	GI nut, bolt, washer	Kg	5	101.40	507.00
13	GI 11 KV V cross arm 10.2 kg each	No	5	1053.00	5265.00
14	GI Back Clamp for 'V' Cross Arm	No.	5	104.00	520.00
15	GI F clamp(Pole Top Bracket)(2.9 Kg each)	No.	5	312.00	1560.00
16	Coil earthing	No.	6	215.80	1294.80
17	RCC Base plate	No.	6	442.23	2653.40
18	55 sq. mm AAAC	Km	1.3	39000.00	50700.00
19	11 KV Pin insulator polymer	No.	18	260.00	4680.00
20	11 KV GI Pin	No	18	104.00	1872.00
21	Sundries	No.	1	500.00	500.00
<b>A</b>	<b>TOTAL MATERIAL COST</b>				<b>1,46,599.89</b>
<b>B</b>	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				<b>4,398.00</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>1,50,997.89</b>
<b>D</b>	<b>Contingency @3% of C</b>				<b>4,529.94</b>

E	T & P 2% of C				3,019.96
F	Transportation @ 7.5% of C				11,324.84
G	Erection Charges for PSC Pole @ 20%				5,891.60
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				12,153.99
J	Total Rs.				1,87,918.21
22	Concreting and coupling material for support of existing pole	No.	6	1651.00	9906.00
	Sub Total Rs.				1,97,824.21
<b>SCOPE-B</b>	<b>Installation of 315 KVA 11/0.4KV transformer - 1 No.</b>				
1	09 Mtr. Long 150mmX150mm GI Joist Pole @ 34.6 K.G./Mtr.	No.	2	30361.50	60723.00
2	GI pressure Channel 100x50x6mm , each 2.8 mtr long (9.2 K.g per mtr) x 2 Nos.	K.g	51.52	97.50	5023.20
3	Transformer GI mounting Channel (100x50x6)mm each 2.8 mtr long (9.2 K.g per mtr) x 2 Nos.	K.g	51.52	97.50	5023.20
4	AB switch & HG Fuse , GI mounting channel(GI)(75x40x6)mm,each 2.8 mtr Long,4 nos(6.8Kg/mtr)	K.g	76.16	97.50	7425.60
5	Transformer GI Belting angle (50x50x6)mm each 2.8 mtr Long,2 nos(4.5Kg/mtr),with side angle (Total 7 Mtr)	K.g	27	97.50	2632.50
6	11KV Disc insulator B&S 45 KN Polymer type	No.	3	1118.00	3354.00
7	11KV H.W Fittings B&S 45 KN	No.	3	338.00	1014.00
8	AB switch 3 pole (200Amp),50 Hz	Set	1	9555.00	9555.00
9	HG fuse 3 pole (200 Amp)with PI	Set	1	7956.00	7956.00
10	11 KV LA(9 KV, 5KA)	No.	3	1274.00	3822.00
11	LT distribution box for 315 KVA Tfr with MCCB,Aluminium Busbar for 4 Bay with kitkat fuse	No.	1	92445.60	92445.60
12	HT Stay Set complete	Set	2	1365.00	2730.00
13	HT stay insulator	No.	2	65.00	130.00
14	Stay Clamp(1.95 kg/pair)	Pair	2	162.50	325.00
15	7/10 SWG GI Stay Wire	Kg	20	97.50	1950.00
16	GI Pipe Earthing 40 dia medium gauge 3 mtrs. Long	No.	5	1365.00	6825.00
17	25x6 mm GI flat (for earthing)	Kg	40	97.50	3900.00
18	Coil earthing	No	2	215.80	431.60
19	GI Nut ,Bolt and Washer	Kg	20	101.40	2028.00
20	3.5 Core 300 sq. mm LT PVC cable[2RUN]	Mtr.	30	1292.20	38766.00
21	315 KVA ,11/0.4 KV Transformer	No.	1	578383.00	578383.00
22	RCC Base plate	No.	2	364.00	728.00
23	Sundries	No.	1	500.00	500.00
A	<b>TOTAL MATERIAL COST</b>				<b>8,35,670.70</b>
B	Stock, Storage & Insurance @ 3% of A				25,070.12
C	Sub Total (C=A+B)				8,60,740.82
D	Contingency @3% of C				25,822.22
E	T & P 2% of C				17,214.82
F	Transportation @ 7.5% of C				64,555.56
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				32,913.96
I	Erection Charges of other @ 10%				20,246.16
J	Total Rs.				10,21,493.54
24	Fencing	No.	1	14500.00	14500.00
25	LT DB Plinth	No	1	3000.00	3000.00

26	Plinth for 315 KVA Transformer	No	1	23822.00	<b>23822.00</b>
27	Filling sand@Rs.431/cmtfor(8ftx12ftx1/2ft)=48ft=1.359cmt	No	1	<b>587.00</b>	587.00
28	Boundary wall with iron gate as per TPCODL specification	No	1	36099.00	36099.00
29	Concrete material for stay anchor plate	No	2	1270.00	2540.00
30	Concreting and coupling material for support of existing pole	No.	2	1270.00	2540.00
31	Materials for Massionary work for earth Pit, Charcoal, Salt etc for earthing	No.	5	1600.00	8000.00
Sub-Total Rs.					<b>11,12,581.54</b>
<b>SCOPE-C</b>	<b>Construction of 3 Ph 5W LT Line using 8 Mtr. Long 200 KG PSC Pole with 3x95+1x70+1x16 sq mm AB Cable-0.09 Km</b>				
1	8 mtr. Long 200 Kg PSC Pole	No.	4	2600.00	10400.00
2	AB Cable ( 3x95+1x70+1x16 mm <sup>2</sup> ) Double Ckt	Mtr.	100	315.90	31590.00
3	Dead End clamp	No.	4	491.02	1964.09
4	Strain fitting	No.	4	94.06	376.22
5	Suspension clamp with I hook	No.	2	442.00	884.00
6	LT stay set	No.	3	676.00	2028.00
7	7/12 SWG GI stay wire ,grade-2	Kg.	30	97.50	2925.00
8	Stay clamp	Pair	3	143.00	429.00
9	LT stay insulator	No	3	39.00	117.00
10	Concrete material for stay anchor plate	No	3	1651.00	4953.00
11	GI Nut-Bolt-Washer	Kg	4	101.40	405.60
12	Earthing coil for support	No.	4	215.80	863.20
13	Sundries(stringing & binding)	LS	1	520.00	520.00
<b>A</b>	<b>TOTAL MATERIAL COST</b>				<b>57,455.11</b>
<b>B</b>	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				1,723.65
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>59,178.77</b>
<b>D</b>	<b>Contingency @3% of C</b>				<b>1,775.36</b>
<b>E</b>	<b>T &amp; P 2% of C</b>				<b>1,183.58</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>4,438.41</b>
<b>G</b>	<b>Erection Charges for PSC Pole @ 20%</b>				2,142.40
<b>H</b>	<b>Erection Charges of DTR and Joist Poles @ 5%</b>				
<b>I</b>	<b>Erection Charges of other @ 10%</b>				4,846.68
<b>J</b>	<b>Total Rs.</b>				<b>73,565.19</b>
14	Padding and concreting for support of pole	No.	4	1270.00	5080.00
Sub-Total Rs.					<b>78,645.19</b>
	Total Estimated Cost				13,89,050.95
	Cess @1%				13,890.51
					14,02,941.46
	Total Estimated Cost in Figures				<b>14,02,941.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)				_____ %
Quoted Amount in Figure					

Quoted Amount in word	
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N:B- The Estimated cost is exclusive of GST.

**Signature of Tenderer with seal**

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

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

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