

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
**[Electrical Division]**  
**Ph: 0674-2541545, 2542921, Fax: 0674-2541543**  
**E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in**

**PRICE BID FOR THE WORK UNDER SL. NO :- 03 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO ADMINISTRATIVE BUILDING AND ARMOURY BUILDING AT OSAP 3RD BN., KORAPUT IN THE DISTRICT OF KORAPUT.**

**BID REF NO.- 87/PM/ELECT/OPHWC/2023-24**

<b>NAME &amp; ADDRESS OF THE FIRM</b>	
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**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2023-24	AMOUNT IN RS.
<b>PART-I</b>	<b>11 KV LINE</b>				
1	11 KV 'V' cross arm(10.2 Kg each)	No.	2	1053.00	2106.00
2	GI Back clamp for 11 KV V Cross Arm	No.	2	104.00	208.00
3	Top F clamp for PSC Pole ,2.9 Kg	No.	2	312.00	624.00
4	11KV Pin Insulator polymer	No.	6	260.00	1560.00
5	HT stay set complete	No.	2	1365.00	2730.00
6	11KV stay insulator	No.	2	65.00	130.00
7	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
8	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00
9	Earthing support coil type	No	2	215.80	431.60
10	GI Base plate for support	No	2	1950.00	3900.00
11	GI Nuts and Bolts of assorted size	Kg	14.5	101.40	1470.30
12	13 Mtr. Long 150x150 mm GI Joist Pole (34.6 Kg/Mtr.)	No	2	43855.50	87711.00
13	55 sq. mm AAAC	Km	0.15	39000.00	6025.50
14	75x40x6 mm GI channel for straight cross arm,2.4Mtr.@ 6.8 Kg/Mtr.(2 Nos.)for providing support for road crossing with galvanisation	Kg	32.64	97.50	3182.40
15	No.6 GI wire(Dia 4.8 mm)40 Kg for 1 Nos. guarding & 20 Kg for 2 Nos. earthing at both sides of Road crossing guarding .	Kg	60	97.50	5850.00
16	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	2	1365.00	2730.00
17	8 SWG Gi wire for cross lacing	Kg	12	97.50	1170.00
18	Eye Hook	No	4	78.00	312.00
19	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
	A.Sub Total Rs.				<b>1,23,415.80</b>
	B.Deduction of Salvage Value @8 %				<b>9,873.26</b>
	C. Total Material cost after deducting Salvage Value @8%				<b>1,13,542.54</b>
	D. Stock, Storage & Insurance @ 3% of C				<b>3,406.28</b>

E. Sub Total (E=C+D)					<b>1,16,948.81</b>
T&P @ 2% of E					2,338.98
Contingency @ 3% of E					3,508.46
Transportation @ 7.5% of E					8,771.16
Erection Charges @ 5% for Joist /WPB Pole cost including stock, storage & insurance @3%					4,155.75
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					<b>3,383.39</b>
					<b>139106.55</b>
20	Dismantling charges of existing HT Lines 11 KV	Span	1	500.00	500.00
21	Dismantling charges of existing HT Poles 11 KV	Nos.	2	972.00	1944.00
22	Cement Concreting for stay / stud anchor plate CC 1:3:6 using 4 cm size hard granite metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	2	1270.00	2540.00
23	Material for earthing including massonary work for eathpit, charcoal,salt & Cement plate cover etc.	No	2	1600.00	3200.00
24	Concreting of support C.C. 1:3:6 using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum+Couping with C.C .1:3:6 using 12 mm size HBG metal= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	2	1460.00	2920.00
					11104.00
<b>TOTAL RS.(PART-I)</b>					<b>1,50,210.55</b>
<b>PART-II</b>	<b>100 KVA 11/0.4KV sub station</b>				
1	11 Mtr. Long 150x150 mm GI Joist Pole (30.6 Kg/Mtr.)	No	2	32818.50	65637.00
2	Pressure Channel (GI)100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
3	AB switch &HG fuse mounting channel(GI)(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	97.50	7425.60
4	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	18	97.50	1755.00
5	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00

6	11 KV HW fitting (B&S)2 bolted	No.	3	169.00	507.00
7	11KV AB switch( 3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
8	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
9	9KV 10KA LA, Station class	No.	3	1300.00	3900.00
10	LT Distribution box with MCCB, Aluminium Bus bar of 2- bay Kitkat Fuse for 100 KVA S/S	No	1	31744.70	31744.70
11	LT 3.5 core 150 sq. mm PVC cable(Un-armoured)	Mtr	15	655.20	9828.00
12	GI Flat 25x4 mm @0.8 Kg/Mtr.	Kg	60	97.50	5850.00
13	HT stay set (Complete)	No.	2	1365.00	2730.00
14	stay Insulator, Type-C	No.	2	65.00	130.00
15	Stay clamp	pair	2	162.50	325.00
16	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1950.00
17	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	5	1365.00	6825.00
18	Earthing coil for support	No	2	215.80	431.60
19	No. 6 GI wire for earthing	Kg	25	97.50	2437.50
20	GI Base plate for support	No	2	1950.00	3900.00
21	GI nut,bolt & washers	Kg	30	101.40	3042.00
22	Sundries (Al. binding tape, insulation tape, paint fencing metal spreading ,Anticlimbing Device,danger board etc.)	LS	1	1000.00	1000.00
23	100 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II	No.	1	152100.00	152100.00
24	55 sq. mm AAAC	Km	0.06	39000.00	2340.00
A.Sub Total Rs.					<b>3,29,746.60</b>
B	Stock,storage and insurance (@3% on A)				<b>9892.40</b>
C	TOTAL RS.				<b>339639.00</b>
D	T&P @ 2% of C				<b>6792.78</b>
E	Contingency @ 3% of C				<b>10189.17</b>
F	Transportation @ 7.5% of C				<b>25472.92</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>22750.39</b>
H	TOTAL RS.				<b>4,04,844.26</b>
25	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	2	1270.00	2540.00
26	Cement Concreting for support with C.C. 1:3:6 by using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum+Couping with C.C .1:3:6 using 12 mm size HBG metal= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	2	1460.00	2920.00
27	Materials for earthing including massonary work for eathpfit & cement plate cover with salt, charcoal etc.	No	5	1600.00	8000.00

28	Fencing and sand & metal spreading 1) RCC Pillar of 6ft Long 2) Cooping of Pillar with C.C 1:3:6 using 40mm HBG metal size 3) GI barbed wire @ 6.044 mtr/kg 6 Nos run=40 ft x 6= 240 ft = 73.152 mtr =12.10 kg 4) MS grill gate 1.5 mtr (h) x 1.5 mtr (w) made of 35x35x6 mm MS angel and 25x6 mm flat (Angel for out side border with horizontal & vertical crossing for i) 35x35x6 mm MS Angel= 1.5 mtr x 4=6@3 Kg/mtr=18 Kg. ii) 25x6 mm flat=1.5 mtrx8x2=24 mtr @ 1.2 Kg/Mtr=28 Kg iii) Painting of gate with 2coat. 5) Filling sand@ 1.359 Cmt 6) 40mm size HBG metal @0.679 Cmt.	No	1	16796.42	16796.42
29	Plinth (detail as per SOUTHCO specification mentioned in the estimate.	Ls	1	30474.58	30474.58
<b>Total Rs.(Part-II)</b>					<b>4,65,575.26</b>
<b>PART-III</b>	<b>LT LINE-0.350 Km</b>				
1	L.T Stay set (Complete )	Set	5	676.00	3380.00
2	L.T Stay Insulator	No.	5	39.00	195.00
3	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	143.00	715.00
4	7/12 SWG Stay Wire	Kg	40	97.50	3900.00
5	Suspension clamp with I Hook for ABC	No.	7	442.00	3094.00
6	Eye Hook for XLPE AB Cable	No.	6	78.00	468.00
7	Dead end clamp suitable for XLPE cable	No	6	84.50	507.00
8	Pole clamp for eye Hook for AB cable	pair	13	260.00	3380.00
9	Neutral connector ,Type-B suitable for main 35-70 sq. mm AAAC & Tap-2.5 to10 sq. mm service cable cover by black weather resistant insulation cover.	No	3	42.90	128.70
10	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	Mno	12	104.00	1248.00
11	GI Nuts and Bolts of assorted size	Kg	9.506	101.40	963.91
12	3x50+1x35+1x16 sqmm LT XLPE AB Cable	Km	0.37	182000.00	66885.00
13	9 Mtr. Long 300 KG PSC Pole	No	10	3900.00	39000.00
14	Earthing device coil type(GI)	No	10	215.80	2158.00
15	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	2.62	97.50	255.45

16	GI base palte(500x500x10 mm) for PSC Pole(20 kg)	No	10	1950.00	19500.00
17	Sundries (paint, binding tape etc.)	LS	1	1000.00	1000.00
	A.Sub Total Rs.				<b>1,46,778.06</b>
B	Stock, storage and insurance (@3% on A)				<b>4403.34</b>
C	TOTAL RS.				<b>151181.40</b>
D	T&P @ 2% of C				<b>3023.63</b>
E	Contingency @ 3% of C				<b>4535.44</b>
F	Transportation @ 7.5% of C				<b>11338.61</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>19135.14</b>
H	TOTAL RS.				<b>189214.22</b>
18	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	5	1270.00	6350.00
19	Cement Concreting for support with C.C. 1:3:6 by using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	10	1270.00	12700.00
	<b>Total Rs(PART-III)</b>				<b>208264.22</b>
<b>PART-IV</b>	<b>LT LINE-0.650 Km</b>				
1	L.T Stay set (Complete )	Set	3	676.00	2028.00
2	L.T Stay Insulator	No.	3	39.00	117.00
3	L.T Stay Clamp(1.4 K.g/Pair)	Pair	3	143.00	429.00
4	7/12 SWG Stay Wire	Kg	24	97.50	2340.00
5	Suspension clamp with I Hook for ABC	No.	15	442.00	6630.00
6	Eye Hook for XLPE AB Cable	No.	4	78.00	312.00
7	Dead end clamp suitable for XLPE cable	No	4	84.50	338.00
8	Pole clamp for eye Hook for AB cable	pair	19	260.00	4940.00
9	Neutral connector ,Type-B suitable for main 35-70 sq. mm AAAC & Tap-2.5 to10 sq. mm service cable cover by black weather resistant insulation cover.	No	4	42.90	171.60
10	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	Mno	16	104.00	1664.00
11	GI Nuts and Bolts of assorted size	Kg	12.222	101.40	1239.31
12	3x50+1x35+1x16 sqmm LT XLPE AB Cable	Km	0.68	182000.00	124215.00
13	9 Mtr. Long 300 KG PSC Pole	No	13	3900.00	50700.00
14	Earthing device coil type(GI)	No	13	215.80	2805.40
15	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	3.406	97.50	332.09
16	GI base palte(500x500x10 mm) for PSC Pole(20 kg)	No	13	1950.00	25350.00
17	Sundries (paint, binding tape etc.)	LS	1	1000.00	1000.00
	A.Sub Total Rs.				<b>2,24,611.40</b>
	B.Deduction of Salvage Value @8 %				<b>17,968.91</b>
	C. Total Material cost after deducting Salvage Value @8%				<b>2,06,642.48</b>
	D. Stock, Storage & Insurance @ 3% of C				6,199.27

E. Sub Total (E=C+D)					<b>2,12,841.76</b>
T&P @ 2% of E					4,256.84
Contingency @ 3% of E					6,385.25
Transportation @ 7.5% of E					15,963.13
Erection Charges @ 5% for Joist /WPB Pole cost including stock, storage & insurance @3%					
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					9,608.65
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					<b>16,479.84</b>
					<b>265535.47</b>
18	Dismantling charges of existing LT Lines	Span	18	500.00	9000.00
19	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	3	1270.00	3810.00
20	Cement Concreting for support with C.C. 1:3:6 by using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	13	1270.00	16510.00
<b>Total Rs(PART-IV)</b>					<b>29320.00</b>
					<b>294855.47</b>
Total Estimated Cost					<b>11,18,905.50</b>
Cess @1%					<b>11,189.06</b>
Total Estimated Cost					<b>11,30,094.56</b>
Total Estimated Cost in Figures					<b>11,30,095.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			

Quoted Amount in Figure	
Quoted Amount in word	

N:B- The Estimated cost is exclusive of GST .

**Signature of Tenderer with seal**

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

**Sd/-  
DM IC (Elect)**

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