

**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 :- 02 AS PER IFB**

**NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO CAPF AT DIMIRIGUDA IN THE DISTRICT OF RAYAGADA .**

**BID REF NO.- 09/PM/ELECT/OPHWC/2022-23**

**NAME  
&  
ADDRESS  
OF THE  
FIRM**

**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2022-23	AMOUNT IN RS.
<b>PART-I</b>	<b>3 phase 3W 11 KV line with 55 sq. mm AAAC-0.15 Km</b>				
1	11 KV 'V' cross arm	No.	3	1004.40	3013.20
2	Back clamp for 11 KV 'V' cross arm	No.	3	99.20	297.60
3	Top Bracket	No.	3	297.60	892.80
4	11KV Pin Insulator polymer	No.	12	248.00	2976.00
5	11KV Disc insulator 45 KN polymer	No.	3	1066.40	3199.20
6	11KV H.W Fittings T&C 45 KN	No.	3	161.20	483.60
7	HT stay set complete	No.	1	1302.00	1302.00
8	11KV stay insulator	No.	1	62.00	62.00
9	HT stay clamp	pair	1	155.00	155.00
10	7/10 SWG stay wire	Kg	8	93.00	744.00
	Earthing coil	No	3	205.84	617.52
11	Concrete material for stay anchor plate (0.45x0.45x1.5)mtr	Ls	1	1574.60	1574.60
12	GI Base plate for support	Ls	3	361.58	1084.74
13	Concrete material for Pole (0.45x0.45x1.5)mtr	Ls	3	1574.60	4723.80
14	GI Nut ,Bolt & Washer of different sizes	K.g	6	96.72	580.32
15	9 Mtr. Long 300 KG psc pole	No	3	3720.00	11160.00
16	55 sq. mm AAAC	Km	0.4635	37200.00	17242.20
17	100x50x6 mm MS channel for straight cross arm (1.4 Mtr.x2 pcs)	Kg	25.76	80.60	2076.26
18	Sundries (Danger Board+Anticlimbing Arrangement etc.)	LS	1	600.00	600.00
	A.Sub Total Rs.				52784.84
	B. Stock, Storage & Insurance @ 3% of A				1,583.55
	Sub Total (C=A+B)				<b>54,368.38</b>
	T&P @ 2% of C				1,087.37
	Contingency @ 3% of C				1,631.05
	Transportation @ 7.5% of C				4,077.63
	Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%				
	Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%				2,298.96
	Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%				<b>4,287.36</b>
					<b>67750.75</b>

<b>PART-II</b>	<b>Installation of 63 KVA 11/0.4KV DP mounted sub station using 9 mtr. Long 300 KG PSC Pole - 1 No.</b>				
1	9 mtr long 300Kg PSC pole	No.	2	3720.00	7440.00
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos.	K.g	51.52	80.60	4152.51
3	Transformer Mounting Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos.	K.g	51.52	80.60	4152.51
4	AB switch &HG fuse mounting channel(75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	80.60	6138.50
5	Cantilever for supporting AB Switch ,75x40x6mm, 1 Mtr. 2 Nos.	K.g	13.6	80.60	1096.16
6	Cantilever angle for supporting AB switch 50x50x6 mm Angle-1.5 Mtr. Long ,2 Nos.	K.g	10.5	80.60	846.30
7	Transformer belting angle 50x50x6 mm angle 2.8 Mtr. Long 2 Nos.(4.5 Kg/Mtr.) with side angle total 7 Mtrs.	K.g	31.5	80.60	2538.90
8	Angle for mounting LT distribution Box 50x50x6 mm 10 Mtr. Long 2 Nos.	Kg	7	80.60	564.20
9	11KV AB switch 3 pole(200 Amp)	Set	1	9114.00	9114.00
10	11KV HG fuse 3 pole(200 Amp)	Set	1	7588.80	7588.80
11	9KV 10KA LA	No.	3	1240.00	3720.00
12	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 63 KVA S/S	No	1	22719.28	22719.28
13	HT stay set (Complete)	No.	2	1302.00	2604.00
14	stay Insulator	No.	2	62.00	124.00
15	Stay clamp	pair	2	155.00	310.00
16	7/10 SWG GI Saty wire	Kg	16	93.00	1488.00
17	GI Pipe earthing 40 Dia Medium gauge 2.5 mtrs long	No.	3	1302.00	3906.00
18	No. 6 GI wire for Earthing	Kg	20	93.00	1860.00
19	MS Nuts and Bolts & washers	Kg	25	88.04	2201.00
20	63 KVA 11/0.4 KV (AL) Transformer with top changer BIS Energy Level-II	No	1	107260.00	107260.00
21	LT 3.5 core 95 sq. mm pvc Cable(unarmoured)	Mtr.	24	412.92	9910.08
22	Concrete material for stay anchor plate (0.45x0.45x1.5)mtr	No.	2	1388.80	2777.60
17	Materials for earthing including Massionary work for earth Pit, Charcoal, Salt and cement plate cover	Ls	3	1240.00	3720.00
22	Concrete material for support(0.45x0.45x1.5)mtr	No.	2	1388.80	2777.60
23	GI Base plate for support	Ls	2	361.58	723.16
24	Sundries (Aluminium binding tap,insulating tap,fencing metal spreading,Anticlimbing device ,Paint,Danger Board etc)	LS	1	1860.00	1860.00
25	Fencing size 8'x12' with 10 nos RCC pillar and 3 Ply GI barbed wire & grill gate & locking arrangement	LS	1	10267.20	10267.20
26	Disc Insulator(T & C) Polymer	No	3	1066.40	3199.20
27	11KV H.W Fittings T&C	No.	3	161.20	483.60
28	Sand and metal spreading	Ls	1	4836.00	4836.00
A.Sub Total Rs.					230378.60

B. Stock, Storage & Insurance @ 3% of A					6,911.36
Sub Total (C=A+B)					<b>2,37,289.96</b>
T&P @ 2% of C					4,745.80
Contingency @ 3% of C					7,118.70
Transportation @ 7.5% of C					17,796.75
Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%					5,523.89
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					1,532.64
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					<b>11,914.89</b>
					<b>2,85,922.62</b>
<b>PART-III</b>	<b>Construction of LT 3ph 5W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.52 Km</b>				
1	8 Mtr. Long 200 KG psc pole	No	44	2480.00	109120.00
2	3x50+1x35+1x16 sqmm XLPE AB Cable	Mtr.	1235.94	173.60	214559.60
3	Suspension clamp with I Hook	No.	37	421.60	15599.20
4	Dead end clamp	No.	12	80.60	967.20
5	L.T Stay set (Complete )	Set	10	644.80	6448.00
6	7/10 SWG Stay Wire	Kg	80	93.00	7440.00
7	L.T Stay Clamp(1.4 K.g/Pair)	Pair	10	136.40	1364.00
8	L.T Stay Insulator	No.	10	37.20	372.00
9	MS Nut ,Bolt & Washer of different sizes	K.g	44	96.72	4255.68
10	Concreting of stay and stud pole	Nos.	11	1574.80	17322.80
11	GI Base plate for pole	No.	44	361.58	15909.52
12	Sundries (Anticlimbing Device etc.)	LS	1	6600.00	6600.00
A.Sub Total Rs.					399958.00
B. Stock, Storage & Insurance @ 3% of A					11,998.74
Sub Total (C=A+B)					<b>4,11,956.74</b>
T&P @ 2% of C					8,239.13
Contingency @ 3% of C					12,358.70
Transportation @ 7.5% of C					30,896.76
Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%					
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					22,478.72
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					<b>29,956.31</b>
					<b>5,15,886.36</b>
<b>PART-IV</b>	<b>Construction of 11 KV,400A AB Switch - 1 No.</b>				
1	9 mtr long 300Kg PSC pole	No.	2	3720.00	7440.00
2	Top Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos.	K.g	51.52	80.60	4152.51
3	Bottom Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos.	K.g	51.52	80.60	4152.51
4	AB switch mounting channel(75x40x6)mm, channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	80.60	6138.50
5	Cantilever for supporting AB Switch ,75x40x6mm, 1 Mtr. 2 Nos.	K.g	13.6	80.60	1096.16
6	Cantilever angle for supporting AB switch 50x50x6 mm Angle-1.5 Mtr. Long ,2 Nos.	K.g	10.5	80.60	846.30
9	11KV AB switch 3 pole(400 Amp)	Set	1	14694.00	14694.00
11	12KV 10KA LA	No.	3	1240.00	3720.00
13	HT stay set (Complete)	No.	2	1302.00	2604.00

14	stay Insulator	No.	2	62.00	124.00
15	Stay clamp	pair	2	155.00	310.00
16	7/10 SWG GI Saty wire	Kg	16	93.00	1488.00
17	GI Pipe earthing 40 Dia Medium gauge 2.5 mtrs long	No.	2	1302.00	2604.00
18	No. 6 GI wire for Earthing	Kg	20	93.00	1860.00
19	GI Nuts and Bolts & washers	Kg	15	96.72	1450.80
22	Concrete material for stay anchor plate (0.45x0.45x1.5)mtr	No.	2	1574.80	3149.60
17	Materials for earthing including Massionary work for earth Pit, Charcoal, Salt and cement plate cover	Ls	3	1240.00	3720.00
22	Concrete material for support(0.45x0.45x1.5)mtr	No.	2	1574.80	3149.60
23	Base plate for support	Ls	2	361.58	723.16
24	Sundries (Aluminium binding tap,insulating tap,fencing metal spreading,Anticlimbing device ,Paint,Danger Board etc)	LS	1	1860.00	1860.00
26	Disc Insulator(T & C) Polymer	No	6	1066.40	6398.40
27	H.W Fittings	No.	6	161.20	967.20
	A.Sub Total Rs.				72648.74
	B. Stock, Storage & Insurance @ 3% of A				2,179.46
	Sub Total (C=A+B)				<b>74,828.20</b>
	T&P @ 2% of C				1,496.56
	Contingency @ 3% of C				2,244.85
	Transportation @ 7.5% of C				5,612.12
	Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%				
	Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%				1,532.64
	Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%				<b>6,716.50</b>
					<b>92,430.87</b>
	SERVICE CONNECTION				
1	LT 3.5 CORE 35 SQ. MM PVC Cable	Mtr.	30	188.48	5654.40
2	No. 8 SWG GI Wire	Kg	3	93.00	279.00
3	63 A Kit Kat fuse	No	3	122.61	367.83
4	40 mm GI S/C Bracket	No	1	334.80	334.80
5	Sundries	Ls	1	372.00	372.00
	A.Sub Total Rs.				7008.03
	B. Stock, Storage & Insurance @ 3% of A				210.24
	Sub Total (C=A+B)				<b>7,218.27</b>
	T&P @ 2% of C				144.37
	Contingency @ 3% of C				216.55
	Transportation @ 7.5% of C				541.37
	Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%				
	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>721.83</b>
					<b>8,842.38</b>
	Total Rs.				<b>9,70,832.98</b>
	Cess @ 1%				<b>9,708.33</b>
	Total Estimated Cost				<b>9,80,541.31</b>
	Total Estimated Cost in Figures				<b>9,80,541.00</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/-  
Asst. Project Manager (Elect) (Hqr)**

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