

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
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[Electrical Division]
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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 INTEGRATED IUCAW & IAHTU BUILDING AT MAYURBHANJ.

BID REF NO :- 72/PM/ELECT/OPHWC/2025-26

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
	CONSTRUCTION OF 11 KV LINE				
A	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	37,762.42	37,762.42
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	57.589	112.78	6,494.89
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	11	112.78	1,240.58
4	Danger plate	No	1	120.30	120.30
5	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.3009	112.78	33.94
6	GI barbed wire/Anticlimbing device	No	3	120.30	360.90
7	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos = (4x0.59x0.510)	Kg	1.2036	112.78	135.74
8	11 KV pin insulator polymer	Set	4	300.74	1,202.96
9	H W fitting(B&S) 70KN, 3Bolt	No.	6	1,729.26	10,375.56
10	Disc insulator (B&S) 70 KN polymer	No.	6	526.30	3,157.80
11	Non metallic ties -11 KV 55 sq. mm AAAC	No	4	290.45	1,161.80
12	IPC for 55 sq. mm AAAC(For covered conductor)	No	6	429.13	2,574.78
13	Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	No	2	384.01	768.02
14	Earthing of Support (Coil Type)	No	1	249.61	249.61
15	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	112.78	29.55

16	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	2	187.96	375.92
17	H.T. Stay set (Complete)	SET	2	1,578.89	3,157.78
18	H.T. Stay Insulator Type-C	EA	2	75.19	150.38
19	7/10 SWG Stay Wire 15kg /stay	KG	30	112.78	3,383.40
20	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.433	117.29	871.82
21	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	162.00	324.00
22	Black paint (GIS Numbering & Zebra stripping)	Ltr	0.5	330.81	165.41
A	A. Sub total				74,097.54
B	B. Stock, Storage & Insurance @ 3% of A				2,222.93
C	Sub Total (C=A+B)				76,320.47
D	T&P @ 2% of C				1,526.42
E	Contingency @ 3% of C				2,289.61
F	Transportation @ 7.5% of C				5,724.04
	Erection Charges @ 5% on poles				1,944.76
G	Erection Charges @ 10%				3,014.58
H	Total				90,819.88
23	Fixing of complete 11KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts BA will do the excvation including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard.	No	2	2,301.53	4,603.06
24	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)	Cum	0.45	6,500.00	2,925.00
25	Couping Ratio 1:1.5:3(M-20 Grade) with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6,500.00	731.25
					8,259.31
	Total Material + Services Cost (J+K)				99,079.19
B	11 KV PIN POINTS WITH WPB				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	37,762.42	37,762.42
2	11 KV V cross arm(10.2 Kg each)	No	1	1,218.00	1,218.00

3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	1	360.89	360.89
4	Danger plate	No	1	120.30	120.30
5	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.3009	112.78	33.94
6	GI barbed wire/Anticlimbing device	No	3	120.30	360.90
7	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	1.2036	112.78	135.74
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	Set	3	300.74	902.22
9	Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	No.	2	384.01	768.02
10	Non metallic ties -11 KV covered conductor	No.	3	290.45	871.35
11	Earthing of Support (Coil Type)	No.	1	249.61	249.61
12	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.21	112.78	23.68
13	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	1.2	117.29	140.75
15	Yellow colour paint for Background	Ltr.	2	162.00	324.00
16	Black colour paint for numbering	Ltr.	1	330.81	330.81
A	A. Sub total				43,602.63
B	B. Stock, Storage & Insurance @ 3% of A				1,308.08
C	Sub Total (C=A+B)				44,910.71
D	T&P @ 2% of C				898.21
E	Contingency @ 3% of C				1,347.32
F	Transportation @ 7.5% of C				3,368.30
	Erection Charges @ 5% on poles				1,944.76
G	Erection Charges @ 10%				601.54
H	Total				53,070.85
17	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)	Cum	0.45	6,500.00	2,925.00
18	Couping Ratio 1:1.5:3(M-20 Grade) with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6,500.00	731.25
					3,656.25
	Total Material + Services Cost (J+K)				56,727.10
C	11 KV LINE-0.092 KM				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	37,762.42	37,762.42

2	55 Sq. mm ACSR Rabbit PVC Insulated Conductor.	Mtr.	278.1	63.59	17,684.38
3	PG Clamp for 55 sq. mm AAAC	No	3	721.78	2,165.34
4	11 KV Pin Insulator Polymer	Set	3	300.74	902.22
5	H W fitting(B&S) 70KN, 3Bolt	No.	3	1,729.26	5,187.78
6	Disc insulator (B&S) 70 KN polymer	No.	3	526.30	1,578.90
7	Non metallic ties -11 KV 55 sq. mm AAAC	No	3	290.45	871.35
8	Danger plate	No	1	120.30	120.30
9	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.3009	112.78	33.94
10	No. 6 GI wire (dia 4.8 mm)for earthing	Kg	0.09	112.78	10.15
11	No. 8 GI wire (dia 4.06 mm)for earthing	Kg	0.09	112.78	10.15
12	Yellow colour paint for Background	Ltr.	2	162.00	324.00
13	Black colour paint for numbering	Ltr.	1	330.81	330.81
A	A. Sub total				66,981.73
B	B. Stock, Storage & Insurance @ 3% of A				2,009.45
C	Sub Total (C=A+B)				68,991.19
D	T&P @ 2% of C				1,380.57
E	Contingency @ 3% of C				2,069.74
F	Transportation @ 7.5% of C				5,174.34
G	Erection Charges @ 5% on poles				1,944.76
H	Erection Charges @ 10%				3,009.59
I	Total				82,570.18
24	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)	Cum	0.45	6,500.00	2,925.00
					2,925.00
	Total Material + Services Cost				85,495.18
II	INSTALLATION OF 25 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	37,762.42	75,524.84
2	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	131.26	112.78	14,803.39
3	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.54	112.78	399.24
4	MU channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	145.799	112.78	16,443.21
5	Cantilever suport angle 50x50x6 mm GI (4.5 kg/mtr,2 Nos.)	Kg	52.758	112.78	5,950.05
6	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	Kg	154.816	112.78	17,460.15

7	25 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	80,895.31	80,895.31
8	LT Distrubution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 25 KVA S/S.	No	1	22,449.20	22,449.20
9	55 sq. mm All Alloy conductor-AAAC	Mtr	50	63.59	3,179.50
10	4Cx35 sq. mm LT XLPE cable	Mtr	15	221.15	3,317.25
11	11 KV AB switch (200 Amp, 3 pole)	Set	1	11,051.68	11,051.68
12	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	9,202.22	9,202.22
13	PG Clamp for 55 sq. mm AAAC	Nos.	6	721.78	4,330.68
14	11 KV Disc insulator polymer type 70 KN	No	3	1,729.26	5,187.78
15	11 KV H/W fitting polymer type	Pair	3	526.30	1,578.90
16	11 KV LA (12KV,10 KA)station class-2	No	3	5,337.89	16,013.67
17	11 KV Pin Insulator polymer type	No	3	300.74	902.22
18	HT Stay Set (Complete)	Set	2	1,578.89	3,157.78
19	HT Stay Insulator	No.	2	75.19	150.38
20	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	187.96	375.92
21	7/10 SWG Stay Wire	KG	30	112.78	3,383.40
22	GI Pipe for earthing 40mm dia 3mtr long	No	5	1,578.89	7,894.45
23	GI Nut, Bolt & washers of different sizes	Kg	25	117.29	2,932.25
24	GI barbed wire/Anticlimbing device	No	6	120.30	721.80
25	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	4.8	112.78	541.34
26	Danger plate	Kg	2	120.30	240.60
27	Name Plate	No	1	120.30	120.30
28	Yellow colour paint for Background	Ltr	2	162.00	324.00
29	Black colour paint for numbering	Ltr	1	330.81	330.81
30	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	1.2	112.78	135.34
A	Sub Total Rs.				308,997.66
B	B. Stock, Storage & Insurance @ 3% of A				9,269.93
C	Sub Total (C=A+B)				318,267.59
D	Contingency @ 3% of C				9,548.03
E	T&P @ 2% of C				6,365.35
F	Transportation @ 7.5% of C				23,870.07
G	Erection Charges @ 5% for transformer and joist pole cost				8,055.64
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				13,832.73

J	Total				379,939.41
31	Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6,500.00	5,850.00
32	Couping Ratio 1:1:5:3(M-20 Grade) with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.226	6,500.00	1,469.00
33	Fixing of stay set with 0.5 cum cement concret foundation .	Nos.	2	2,301.53	4,603.06
34	Construction of earth chamber	No	5	4,603.05	23,015.25
35	Laying of 4Cx35 sq. mm LT XLPE Cable	Mtr.	15	47.87	718.05
36	Supply and erection of GI fencing with Gate as per TPNODL.	M2	15	3,682.00	55,230.00
					90,885.36
	Total Rs.				470,824.77
	Total Rs.				712,126.24
	Cess @1%				7,121.26
	Total Estimated Cost				719,247.50
	Total Estimated Cost in Figures				719,247.00
EXCESS	☐ LESS ☐ (Please Tick)	In Figure _____ % In word _____ %			
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/-
Dy. Manager (Elect)**

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