

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.com****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 24-F TYPE STAFF QUARTERS AND 120 MEN BARRACK AT 9TH SIR BN., KALAHANDI IN THE DISTRICT OF KALAHANDI.****BID REF NO :-76/PM/ELECT/OPHWC/2025-26****NAME &
ADDRESS
OF THE
FIRM****SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-A	24-F TYPE QTRS.				
I	CONSTRUCTION OF 11 KV LINE .				
A	11 KV LINE USING 100 SQ. MM INSULATED COVERED CONDUCTOR				
1	11 Mtr. Long 150x150 mm RS Joist Pole(34.6 Kg/Mtr.)	No	9	35129.38	316164.42
2	100 sq. mm insulated covered Un-armoured AAAC	Mtr.	1545	127.80	197451
3	MS Channel 100x50x6 mm	Kg	46	92.30	4,245.80
4	MS channel 75x40x6 mm	Kg	34	92.30	3,138.20
5	Fish Plate 50x6 mm	Nos.	4	132.06	528.24
6	GI Flat 50x6 mm	Kg	12	106.50	1,278.00
7	GI Flat 25x6 mm	Kg	9	106.50	958.50
8	11 KV 'V' cross arm(10.2 Kg each)	No.	9	1150.20	10351.8
9	GI Back clamp for 11 KV V Cross Arm	No.	9	113.60	1022.4
10	Top F clamp for PSC Pole ,2.9 Kg	No.	9	340.80	3067.2
11	11 KV Disc insulator B&S polymer type 70 KN	No	6	1633.00	9,798.00
12	11 KV H/W fitting polymer type	Pair	6	497.00	2,982.00
13	PG clamp for 100 sq. mm AAAC	No	6	823.60	4,941.60
14	11 KV Pin Insulator Polymer	No	30	284.00	8,520.00
15	HT Stay Set (Complete)	Set	6	1491.00	8,946.00
16	HT Stay Insulator	No.	6	71.00	426.00
17	HT Stay Clamp	Pair	6	177.50	1,065.00
18	7/10 SWG Stay Wire ,7/3.25 mm	KG	42	106.50	4,473.00
19	7/8 SWG GIWire for earthing	KG	21.5	113.60	2,442.40
20	Earthing support coil type	No	9	235.72	2,121.48
21	GI Pipe for earthing 40mm dia 3mtr long	EA	2	1491.00	2,982.00
22	Pipe HDPE	Mtr.	6	56.80	340.80
23	Al cable socket 70 sq. mm	Nos.	4	21.30	85.20
24	Materials for Masonary work for earth pit	No.	2	568.00	1,136.00

25	Charcoal, salt etc for earthing	Kg	4	639.00	2,556.00
26	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	21.5	110.76	2381.34
27	GI barbed wire/Anticlimbing device	No	22	113.60	2,499.20
28	Danger plate	No	9	113.60	1,022.40
A	A. Sub total				596,923.98
B	B. Stock, Storage & Insurance @ 3% of A				17,907.72
C	Sub Total (C=A+B)				614,831.70
D	T&P @ 2% of C				12,296.63
E	Contingency @ 3% of C				18,444.95
F	Transportation @ 7.5% of C				46,112.38
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				16282.47
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				28918.23
J	Total				736,886.36
29	Fabrication and Galvanisation	Kg	32.64	13.00	424.32
30	Concrete material for stay anchor plate	Nos.	6	1,653.00	9,918.00
31	Padding and Concreting materials for support	Nos.	9	2,837.90	25,541.10
	Total Rs.				772,769.78
B	11 KV SP CUT POINT				
1	11 Mtr. Long 150x150 mm RS Joist Pole(34.6 Kg/Mtr.)	No	2	35129.38	70258.76
2	75x40x6 mm Channel for Straight cross arm	Kg	65.28	92.30	6,025.34
3	11 KV Disc insulator B&S polymer type 70 KN	No	12	1633.00	19,596.00
4	11 KV H/W fitting polymer type	Pair	12	497.00	5,964.00
5	11 KV Pin Insulator Polymer	No	6	284.00	1,704.00
6	HT Stay Set (Complete)	Set	8	1491.00	11,928.00
7	HT Stay Insulator	No.	8	71.00	568.00
8	HT Stay Clamp	Pair	8	177.50	1,420.00
9	7/10 SWG Stay Wire ,7/3.25 mm	Kg	80	106.50	8,520.00
10	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	10	110.76	1107.6
11	Earthing support coil type	No	2	235.72	471.44
A	A. Sub total				127,563.14
B	B. Stock, Storage & Insurance @ 3% of A				3,826.89
C	Sub Total (C=A+B)				131,390.04
D	T&P @ 2% of C				2,627.80
E	Contingency @ 3% of C				3,941.70
F	Transportation @ 7.5% of C				9,854.25
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				3618.33
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				5,902.35
J	Total				157,334.47
12	Concrete material for stay anchor plate	Nos.	8	1,653.00	13,224.00

13	Padding and Concreting materials for support	Nos.	2	2,837.90	5,675.80
	Total Rs.				176,234.27
II	LT Line				
1	9 Mtr. Long 300 KG PSC Pole	No.	5	4260.00	21300.00
2	1.1 KV 3C×95 mm ² +1C×70 mm ² +1CX16 mm ² (LT AB Cable)	Km	0.159	345060.00	54864.54
3	Pole Clamp	No	5	284.00	1420.00
4	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	1	92.30	92.30
5	Suspension Clamp with EYE hook for ABC	No	5	482.80	2414.00
6	Neutral Connector	No	3	46.86	140.58
7	7/12 SWG GI stay wire, Grade -2	Kg	7.2	106.50	766.80
8	LT stay Clamp (1.40Kg/pair)	Pair	1	156.20	156.20
9	LT Stay insulator	No	1	42.60	42.60
10	Coil Earthing	No	5	235.72	1178.60
11	No-8 GI wire for earthing	Kg	2.55	113.6	289.68
12	Bolt & Nut GI 16x55 mm	Kg	2.25	110.76	249.21
13	Piercing Connector LT Type A	No	3	113.6	340.80
14	LT Stay set Complete	Set	1	738.40	738.40
A	A. Sub total				83,993.71
B	B. Stock, Storage & Insurance @ 3% of A				2,519.81
C	Sub Total (C=A+B)				86,513.52
D	T&P @ 2% of C				1,730.27
E	Contingency @ 3% of C				2,595.41
F	Transportation @ 7.5% of C				6,488.51
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				
H	Erection Charges @ 20% on PSC Poles				4387.8
I	Erection Charges @ 10% for other materials				6,457.45
J	Total				108,172.96
15	Concrete materials for stay anchor plate	No.	1	1,653.00	1,653.00
16	Padding and concreting material for Support	No.	5	2,837.90	14,189.50
	Total Rs.				124,015.46
III	INSTALLATION OF 100 KVA S/S				
1	11 Mtr. Long 150x150 mm RS Joist Pole(34.6 Kg/Mtr.)	No	2	35129.38	70258.76
2	100 KVA , 11/0.4 KV Transformer BIS Energy Level-II	No	1	193901.50	193,901.50
3	MS Channel 100x50x6 mm	Kg	103	92.30	9,506.90
4	MS channel 75x40x6 mm	Kg	184	92.30	16,983.20
5	MS angle 50x50x6 mm	Kg	57	92.30	5,261.10
6	11 KV Disc insulator polymer type 70 KN(B&S)	No	3	1633.00	4,899.00
7	11 KV H/W fitting polymer type	Pair	3	497.00	1,491.00
8	PG Clamp for 100 sq. mm AAAC	No.	3	823.60	2,470.80
9	GI Flat 25x6 mm	Kg	11	106.50	1,171.50
10	GI Flat 50x6 mm	Kg	43	106.50	4,579.50
11	11 KV AB Switch(400 Amp, 3 pole)	Set	1	16827.00	16,827.00

12	11 KV DD Fuse 3 Pole	No	1	6678.78	6,678.78
13	11 KV DD Fuse Link Unit(10 A)	No	3	157.62	472.86
14	11 KV Lightning Arrester(9 KV,5 KA)	EA	3	1391.60	4,174.80
15	Conductor ACSR PVC(61.7 Sq. mm)	Mtr.	20	84.24	1684.80
16	HT Stay set complete	Set	2	1491.00	2982.00
17	7/10 SWG Stay wire	Kg	25	106.50	2662.50
18	HT Stay Insulator	No.	2	71.00	142.00
19	HT stay clamp	Pair	2	177.50	355.00
20	40 mm Nominal bore GI pipe(Medium Gauge)	No	5	1491.00	7455.00
21	Earthing support coil type	No	1	235.72	235.72
22	HDPE Pipe(25 mm)	Mtr.	15	56.80	852.00
23	GI Pipe (100 mm)	Mtr.	3	710.00	2130.00
24	1.1 KV 4 core 95 sq. mm XLPE Cable	Mtr.	23	523.88	12049.24
25	1 core 95 sq. mm XLPE Cable(Armoured)	Mtr.	32	208.74	6679.68
26	LT Distribution Box with TP MCCB,Aluminium Bus bar for 100 KVA S/S	No	1	34674.98	34674.98
27	Al. cable socket 70 sq. mm	No	80	21.30	1704.00
28	Al. cable socket 95 sq. mm	No	16	28.40	454.40
29	GI Nuts, Bolts & washers	Kg	25	110.76	2769.00
30	Material for Masonary work for earth pit	No	5	568.00	2840.00
31	Charcoal, salt etc. for earthing	Kg	10	639.00	6390.00
32	GI barbed wire for Anticlimbing	Kg	4	113.60	454.40
33	Danger Plate	No	2	113.60	227.20
A	A. Sub total				425,418.62
B	B. Stock, Storage & Insurance @ 3% of A				12,762.56
C	Sub Total (C=A+B)				438,181.18
D	T&P @ 2% of C				8,763.62
E	Contingency @ 3% of C				13,145.44
F	Transportation @ 7.5% of C				32,863.59
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				13604.25
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				16609.61
J	Total				523,167.69
34	Fabrication and galvanisation	Kg	344	13.00	4,472.00
35	Concrete material for stay anchor plate	No	2	1653.00	3306.00
36	Padding and Concreting materials for support	No	2	2837.97	5675.94
37	Economic Brick design fencing	No	1	92622.57	92622.57
38	Plinth for for transformer	No	1	22034.00	22034.00
	Total Rs.				651,278.20
	Sub Total Rs.(PART-A)				1,724,297.71
PART-B	120 MEN BARRACK				
I	CONSTRUCTION OF 11 KV LINE .				
A	11 KV LINE USING 100 SQ. MM INSULATED COVERED CONDUCTOR				
1	11 Mtr. Long 150x150 mm RS Joist Pole(34.6 Kg/Mtr.)	No	7	35129.38	245905.66
	10 Mtr. Long 400 KG PSC Pole	No	9	9940.00	89460

2	100 sq. mm insulated covered Un-armoured AAAC	Mtr.	1236	127.80	157960.8
3	MS Channel 100x50x6 mm	Kg	36.8	92.30	3,396.64
4	MS channel 75x40x6 mm	Kg	27.2	92.30	2,510.56
5	Fish Plate 50x6 mm	Nos.	3	132.06	396.18
6	GI Flat 50x6 mm	Kg	9.6	106.50	1,022.40
7	GI Flat 25x6 mm	Kg	7.2	106.50	766.80
8	11 KV 'V' cross arm(10.2 Kg each)	No.	7	1150.20	8051.4
9	GI Back clamp for 11 KV V Cross Arm	No.	7	113.60	795.2
10	Top F clamp for PSC Pole ,2.9 Kg	No.	7	340.80	2385.6
11	11 KV Disc insulator B&S polymer type 70 KN	No	5	1633.00	8,165.00
12	11 KV H/W fitting polymer type	Pair	5	497.00	2,485.00
13	PG clamp for 100 sq. mm AAAC	No	5	823.60	4,118.00
14	11 KV Pin Insulator Polymer	No	24	284.00	6,816.00
15	HT Stay Set (Complete)	Set	5	1491.00	7,455.00
16	HT Stay Insulator	No.	5	71.00	355.00
17	HT Stay Clamp	Pair	5	177.50	887.50
18	7/10 SWG Stay Wire ,7/3.25 mm	KG	33.6	106.50	3,578.40
19	7/8 SWG GIWire for earthing	KG	17.2	113.60	1,953.92
20	Earthing support coil type	No	7	235.72	1,650.04
21	GI Pipe for earthing 40mm dia 3mtr long	EA	2	1491.00	2,982.00
22	Pipe HDPE	Mtr.	4.8	56.80	272.64
23	Al cable socket 70 sq. mm	Nos.	3	21.30	63.90
24	Materials for Masonary work for earth pit	No.	2	568.00	1,136.00
25	Charcoal, salt etc for earthing	Kg	3.2	639.00	2,044.80
26	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	17.2	110.76	1905.072
27	GI barbed wire/Anticlimbing device	No	17.6	113.60	1,999.36
28	Danger plate	No	7	113.60	795.20
A	A. Sub total				561,314.07
B	B. Stock, Storage & Insurance @ 3% of A				16,839.42
C	Sub Total (C=A+B)				578,153.49
D	T&P @ 2% of C				11,563.07
E	Contingency @ 3% of C				17,344.60
F	Transportation @ 7.5% of C				43,361.51
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				12664.14
H	Erection Charges @ 20% on PSC Poles				18428.76
I	Erection Charges @ 10% for other materials				23272.69
J	Total				704,788.27
29	Fabrication and Galvanisation	Kg	26.112	13.00	339.46
30	Concrete material for stay anchor plate	Nos.	4	1,653.00	6,612.00
31	Padding and Concreting materials for support	Nos.	7	2,837.90	19,865.30
	Total Rs.				731,605.03
B	11 KV SP CUT POINT				

1	11 Mtr. Long 150x150 mm RS Joist Pole(34.6 Kg/Mtr.)	No	2	35129.38	70258.76
2	75x40x6 mm Channel for Straight cross arm	Kg	65.28	92.30	6,025.34
3	11 KV Disc insulator B&S polymer type 70 KN	No	12	1633.00	19,596.00
4	11 KV H/W fitting polymer type	Pair	12	497.00	5,964.00
5	11 KV Pin Insulator Polymer	No	6	284.00	1,704.00
6	HT Stay Set (Complete)	Set	8	1491.00	11,928.00
7	HT Stay Insulator	No.	8	71.00	568.00
8	HT Stay Clamp	Pair	8	177.50	1,420.00
9	7/10 SWG Stay Wire ,7/3.25 mm	Kg	80	106.50	8,520.00
10	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	10	110.76	1107.6
11	Earthing support coil type	No	2	235.72	471.44
A	A. Sub total				127,563.14
B	B. Stock, Storage & Insurance @ 3% of A				3,826.89
C	Sub Total (C=A+B)				131,390.04
D	T&P @ 2% of C				2,627.80
E	Contingency @ 3% of C				3,941.70
F	Transportation @ 7.5% of C				9,854.25
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				3618.33
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				5,902.35
J	Total				157,334.47
12	Concrete material for stay anchor plate	Nos.	8	1,653.00	13,224.00
13	Padding and Concreting materials for support	Nos.	2	2,837.90	5,675.80
	Total Rs.				176,234.27
II	LT Line				
1	9 Mtr. Long 300 KG PSC Pole	No.	7	4260.00	29820.00
2	1.1 KV 3C×95 mm ² +1C×70 mm ² +1CX16 mm ² (LT AB Cable)	Km	0.212	345060.00	73152.72
3	Pole Clamp	No	7	284.00	1988.00
4	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	1	92.30	92.30
5	Suspension Clamp with EYE hook for ABC	No	7	482.80	3379.60
6	Neutral Connector	No	4	46.86	187.44
7	7/12 SWG GI stay wire, Grade -2	Kg	9.6	106.50	1022.40
8	LT stay Clamp (1.40Kg/pair)	Pair	2	156.20	312.40
9	LT Stay insulator	No	2	42.60	85.20
10	Coil Earthing	No	7	235.72	1650.04
11	No-8 GI wire for earthing	Kg	3.4	113.6	386.24
12	Bolt & Nut GI 16x55 mm	Kg	3	110.76	332.28
13	Piercing Connector LT Type A	No	4	113.6	454.40
14	LT Stay set Complete	Set	2	738.40	1476.80
A	A. Sub total				114,339.82
B	B. Stock, Storage & Insurance @ 3% of A				3,430.19
C	Sub Total (C=A+B)				117,770.01

D	T&P @ 2% of C				2,355.40
E	Contingency @ 3% of C				3,533.10
F	Transportation @ 7.5% of C				8,832.75
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				
H	Erection Charges @ 20% on PSC Poles				6142.92
I	Erection Charges @ 10% for other materials				8,705.54
J	Total				147,339.73
15	Concrete materials for stay anchor plate	No.	2	1,653.00	3,306.00
16	Padding and concreting material for Support	No.	7	2,837.90	19,865.30
	Total Rs.				170,511.03
III	INSTALLATION OF 100 KVA S/S				
1	11 Mtr. Long 150x150 mm RS Joist Pole(34.6 Kg/Mtr.)	No	2	35129.38	70258.76
2	100 KVA , 11/0.4 KV Transformer BIS Energy Level-II	No	1	193901.50	193,901.50
3	MS Channel 100x50x6 mm	Kg	103	92.30	9,506.90
4	MS channel 75x40x6 mm	Kg	184	92.30	16,983.20
5	MS angle 50x50x6 mm	Kg	57	92.30	5,261.10
6	11 KV Disc insulator polymer type 70 KN(B&S)	No	3	1633.00	4,899.00
7	11 KV H/W fitting polymer type	Pair	3	497.00	1,491.00
8	PG Clamp for 100 sq. mm AAAC	No.	3	823.60	2,470.80
9	GI Flat 25x6 mm	Kg	11	106.50	1,171.50
10	GI Flat 50x6 mm	Kg	43	106.50	4,579.50
11	11 KV AB Switch(400 Amp, 3 pole)	Set	1	16827.00	16,827.00
12	11 KV DD Fuse 3 Pole	No	1	6678.78	6,678.78
13	11 KV DD Fuse Link Unit(10 A)	No	3	157.62	472.86
14	11 KV Lightning Arrester(9 KV,5 KA)	EA	3	1391.60	4,174.80
15	Conductor ACSR PVC(61.7 Sq. mm)	Mtr.	20	84.24	1684.80
16	HT Stay set complete	Set	2	1491.00	2982.00
17	7/10 SWG Stay wire	Kg	25	106.50	2662.50
18	HT Stay Insulator	No.	2	71.00	142.00
19	HT stay clamp	Pair	2	177.50	355.00
20	40 mm Nominal bore GI pipe(Medium Gauge)	No	5	1491.00	7455.00
21	Earthing support coil type	No	1	235.72	235.72
22	HDPE Pipe(25 mm)	Mtr.	15	56.80	852.00
23	GI Pipe (100 mm)	Mtr.	3	710.00	2130.00
24	1.1 KV 4 core 95 sq. mm XLPE Cable	Mtr.	23	523.88	12049.24
25	1 core 95 sq. mm XLPE Cable(Armoured)	Mtr.	32	208.74	6679.68
26	LT Distribution Box with TP MCCB,Aluminium Bus bar for 100 KVA S/S	No	1	34674.98	34674.98
27	Al. cable socket 70 sq. mm	No	80	21.30	1704.00
28	Al. cable socket 95 sq. mm	No	16	28.40	454.40
29	GI Nuts, Bolts & washers	Kg	25	110.76	2769.00
30	Material for Masonary work for earth pit	No	5	568.00	2840.00
31	Charcoal, salt etc. for earthing	Kg	10	639.00	6390.00
32	GI barbed wire for Anticlimbing	Kg	4	113.60	454.40
33	Danger Plate	No	2	113.60	227.20

A	A. Sub total				425,418.62
B	B. Stock, Storage & Insurance @ 3% of A				12,762.56
C	Sub Total (C=A+B)				438,181.18
D	T&P @ 2% of C				8,763.62
E	Contingency @ 3% of C				13,145.44
F	Transportation @ 7.5% of C				32,863.59
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				13604.25
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				16609.61
J	Total				523,167.69
34	Fabrication and galvanisation	Kg	344	13.00	4,472.00
35	Concrete material for stay anchor plate	No	2	1653.00	3306.00
36	Padding and Concreting materials for support	No	2	2837.97	5675.94
37	Economic Brick design fencing	No	1	92622.57	92622.57
38	Plinth for for transformer	No	1	22034.00	22034.00
	Total Rs.				651,278.20
	Sub Total Rs.(PART-A)				1,729,628.52
	Sub Total Rs.(PART-A+PART-B)				3,453,926.23
	Cess @1%				34,539.26
	Total Estimated Cost				3,488,465.50
	Total Estimated Cost in Figures				3,488,465.00
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)