

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 :- 03 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK TO CATER POWER SUPPLY TO BUS STAND AT TUMUDIBANDHA UNDER TUMUDIBANDHA BLOCK IN THE DISTRICT OF KANDHAMAL.****BID REF NO.-50/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-I	3 phase 3W 11 KV line with 55 sq. mm AAAC-0.5 Km & Using 1 core 55 sq. mm insulated covered conductor-0.040 Km				
1	11 Mtr Long (160x152)mm WPB GI Pole(30.44 Kg/mtr)including base plate	No	13	34,321.52	446,179.76
2	10 Mtr. Long 150x150 mm GI Joist Pole(34.6 Kg/Mtr.)	No	2	36,849.00	73,698.00
3	Back clamp for stud pole	No	8	113.60	908.81
4	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 4 Nos, & 0.3 Mtr. Long 4 Nos.including tapping point	Kg	226.32	106.50	24,103.08
5	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	15.826	106.50	1,685.47
6	11 KV 'V' cross arm(10.2 Kg each)	No.	9	1,150.20	10,351.80
7	GI Back clamp for 11 KV V Cross Arm	No.	9	113.60	1,022.40
8	Top F clamp	No.	9	340.80	3,067.20
9	Disc insulator 45 KN (B&S) Polymer	No.	27	1,221.20	32,972.40
10	11 KV HW fitting (B&S) type 2 bolted	No	24	369.20	8,860.80
11	11KV Pin Insulator polymer	No.	42	284.00	11,928.00
12	55 sq. mm AAAC	Km	1.545	42,600.00	65,817.00
13	PG clamp for 55 sq. mm AAAC	No.	24	681.60	16,358.44
14	11 KV XLPE insulated covered conductor 55 sq. mm	Km	0.1236	99,740.00	12,327.86
15	IPC for 11 KV 55 sq. mm covered conductor	No	3	550.00	1,650.00
16	Tension Assembly wedge type with anchoring clamp for 11 KV covered conductor	No	3	905.00	2,715.00
17	Non metallic Ties 11 KV	No	6	286.00	1,716.00
18	HT stay set (Complete)	No.	7	1,491.00	10,437.00
19	HT stay Insulator, Type-C	No.	7	71.00	497.00
20	Stay clamp(1.9 Kg/Pair)	pair	7	177.50	1,242.50
21	7/10 SWG GI Saty wire	Kg	70	106.50	7,455.00
22	Earthing Device coil type GI	No	13	235.72	3,064.36

23	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	3.406	106.50	362.74
24	Danger Board	No	13	113.60	1,476.80
25	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	3.912	106.50	416.63
26	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	39	113.60	4,430.40
27	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	15.647	106.50	1,666.41
28	No.6/8 GI wire	Kg	90	106.50	9,585.00
29	75x40x6 mm , Channel st. cross arm @ 6.8 Kg/Mtr.(3.23 Mtr. Long 4 Nos.Channels) with Galvanisation	Kg	122.4	106.50	13,035.60
30	Eye Hook	Nos.	12	85.20	1,022.40
31	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	6	1,491.00	8,946.00
32	50x6 mm GI Flat for earthing, 2.36 Kg/Mtr.(2.5 Mtr. Mesh foundation and 2.5 Mtr. for raising)	Kg	70.8	106.50	7,540.20
33	GI Nuts & Bolts	Kg	37	110.76	4,098.12
34	Black paint	Ltr.	6.500	312.40	2,030.60
35	Yellow colour paint for Background	Ltr.	13.000	212.77	2,766.01
36	Sundries	No.	1	1,000.00	1,000.00
	Total Rs.				796,434.79
PART-II	3 phase 3W 11 KV line DP with 400 Amp AB SWITCH-1 NO.				
1	10 Mtr. Long 300 KG PSC Pole	No	2	6,390.00	12,780.00
2	RCC Base plate for support	No	2	361.34	722.68
3	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)	K.g	51.52	106.50	5,486.88
4	GI Bracing channel for supporting DP arm,75x40x6mm channel 2.8 mtr long,4 Nos.6.8 K.g/mtr)	K.g	38.08	106.50	4,055.52
5	Bracing Angle GI(50x50x6)mm,4 mtr long 2 No(4.5 Kg/mtr)	K.g	36	106.50	3,834.00
6	AB switch mounting channel GI(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	38.08	106.50	4,055.52
7	AB switch side support channel 100x50x6 mm, 9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	Kg.	6.44	106.50	685.86
8	Channel support for down pipe 75x40x6 mm, 6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	K.g	5.44	106.50	579.36
9	11KV Pin Insulator polymer	No.	3	284.00	852.00
10	Disc insulator 45 KN (B&S) Polymer	No.	6	1,221.20	7,327.20
11	11 KV HW fitting (B&S) type 2 bolted	No	6	369.20	2,215.20
12	PG clamp for 55 sq. mm AAAC	No.	6	681.60	4,089.60
13	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	5.275	106.50	561.79
14	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	16,827.00	16,827.00
15	11 KV LA(9 KV, 10 KA)	No.	3	1,420.00	4,260.00
16	HT stay set (Complete)	No.	4	1,491.00	5,964.00
17	HT stay Insulator, Type-C	No.	4	71.00	284.00
18	Stay clamp(1.9 Kg/Pair)	pair	4	177.50	710.00
19	7/10 SWG GI Saty wire	Kg	40	106.50	4,260.00
20	Earthing Device coil type GI	No	2	235.72	471.44

21	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	106.50	55.81
22	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	3	1,491.00	4,473.00
23	50x6 mm GI Flat for earthing, 2.36 Kg/Mtr.(2.5 Mtr. Mesh foundation and 2.5 Mtr. for raising)	Kg	35.4	106.50	3,770.10
24	Danger Board	No	2	113.60	227.20
25	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.6018	106.50	64.09
26	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
27	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.4072	106.50	256.37
28	GI Nut, Bolt & washer of assorted size	Kg	10	110.76	1,107.60
29	Black paint	Ltr.	1	312.40	312.40
30	Yellow colour paint for Background	Ltr.	2	212.77	425.54
31	Sundries(Al. binding tape, insulating Tape etc.)	No.	1	1,500.00	1,500.00
	Total Rs.				92,895.75
PART-III	Installation of 250 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	2	34,321.52	68,643.04
2	Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	106.50	5,486.88
3	GI Bracing channel for supporting DP arm,75x40x6mm channel 2.8 mtr long,4 Nos.6.8 K.g/mtr)	K.g	38.08	106.50	4,055.52
4	Bracing Angle GI(50x50x6)mm,4 mtr long 2 No(4.5 Kg/mtr)	K.g	31.5	106.50	3,354.75
5	AB switch &HG fuse mounting channel GI (75x40x6) mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	106.50	8,111.04
6	Cantilever GI Channel for supporting HG Fuse 75X40x6mm. 1mtr. Long 2 Nos. (6.8kg./mtr.)	Kg	13.6	106.50	1,448.40
7	Cantilever GI Angle for supporting HG Fuse 50x50x6mm. 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg	13.5	106.50	1,437.75
8	AB switch side support channel 100x50x6 mm, 9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	Kg.	6.44	106.50	685.86
9	Channel support for down pipe 75x40x6 mm, 6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	K.g	5.44	106.50	579.36
10	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with	Kg	9	106.50	958.50
11	11KV Pin Insulator polymer	No.	3	284.00	852.00
12	Disc insulator 45 KN (B&S) Polymer	No.	3	1,221.20	3,663.60
13	11 KV XLPE insulated covered conductor 55 sq. mm	Km	0.05	99,740.00	4,987.00
14	IPC for 11 KV 55 sq. mm covered conductor	No	3	550.00	1,650.00
15	Tension Assembly wedge type with anchoring clamp for 11 KV covered conductor	No	3	905.00	2,715.00
16	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	5.275	106.50	561.79
17	HT stay set (Complete)REC Construction standard	No.	4	1,491.00	5,964.00
18	HT stay Insulator, Type-C	No.	4	71.00	284.00
19	Stay clamp(1.9 Kg/Pair)	pair	4	177.50	710.00
20	7/10 SWG GI Saty wire, grade-2	Kg	40	106.50	4,260.00
21	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	16,827.00	16,827.00
22	11KV HG fuse 3 pole(400 Amp)	Set	1	16,372.60	16,372.60

23	11 KV LA(9 KV, 10 KA)	No.	3	1,420.00	4,260.00
24	250 KVA, 11/0.4 KV (CU) Transformer with Tap changer BIS Energy Level-II	No	1	619,789.28	619,789.28
25	LT Distribution box with MCCB, Aluminium Bus bar for 3 bay with Kitkat Fuse for 250 KVA S/S	No	1	68,160.00	68,160.00
26	300 sq. mm 1 core LT XLPE Cable	Mtr.	40	542.44	21,697.60
27	Earthing Device coil type GI	No	2	235.72	471.44
28	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	106.50	55.81
29	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1,491.00	10,437.00
30	50x6 mm GI Flat for earthing, 2.36 Kg/Mtr.(2.5 Mtr. Mesh foundation and 2.5 Mtr. for raising)	Kg	82.6	106.50	8,796.90
31	Danger Board	No	2	113.60	227.20
32	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	106.50	64.09
33	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
34	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.407	106.50	256.35
35	GI Nut, Bolt & washer of assorted size	Kg	25	110.76	2,769.00
36	Black paint	Ltr.	1	312.40	312.40
37	Yellow colour paint for Background	Ltr.	2	212.77	425.54
38	Sundries(Al. binding tape, insulating Tape etc.)	No.	1	1,500.00	1,500.00
	Total Rs.				893,512.29
PART-IV	Construction of LT 3ph 5 W line using 3X50+1x35+1x16 sqmm XLPE AB Cable=0.070 Km(2 Span)				
1	9 Mtr. Long 300 KG PSC Pole	No	2	4,260.00	8,520.00
2	RCC Base plate for support	No.	2	361.34	722.68
3	L.T Stay set (Complete)	Set	1	738.40	738.40
4	L.T Stay Insulator	No.	1	42.60	42.60
5	L.T Stay clamp (1.40 K.g/Pair)	Pair	1	156.20	156.20
6	7/12 SWG Stay Wire ,Grade-2	Kg	8	106.50	852.00
7	3X50+1x35+1x16 sqmm AB Cable	Mtr.	73.50	198.80	14,611.55
8	Pole clamp for eye Hook for AB cable	No.	3	284.00	852.00
9	Dead end clamp with eye hook	No	2	177.50	355.00
10	Suspension clamp with Eye Hook	No	1	482.80	482.80
11	Earthing support coil type	No	2	235.72	471.44
12	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	106.50	55.81
13	GI Nut, Bolt & washer	Kg	1	110.76	110.76
14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
15	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.407	106.50	256.35
16	Danger Board	No	2	113.60	227.20
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.602	106.50	64.11
18	Black paint	Ltr.	1.00	312.40	312.40
19	Yellow colour paint for Background	Ltr.	2	212.77	425.54
20	Saundries	No.	1	500.00	500.00
	Total Rs.				30,438.44

	A.Sub Total Rs.				1,813,281.27
B	Stock,storage and insurance (@3% on A)				54,398.44
C	TOTAL RS.				1,867,679.70
D	T&P @ 2% of C				37,353.59
E	Contingency @ 3% of C				56,030.39
F	Transportation @ 7.5% of C				140,075.98
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				126,733.90
H	TOTAL RS.				2,227,873.57
21	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr. as per TPSODL specification and drawing =0.2 cum	Nos.	18	1,329.77	23,935.86
22	Concreting of 11 Mtr. WPB Pole in ratio 1:1:5:3=0.45 cum+Couping in ratio 1:1:5:3=0.1125 Cum @6648.85	Nos.	15	3,739.98	56,099.70
23	Concreting of 8 Mtr./9 Mtr. PSC Pole in ratio 1:1:5:3(500x500x1500mm)=0.375 cum + Couping in ratio 1:1:5:3=0.1125 Cum @6648.85	Nos.	2	3,241.31	6,482.62
24	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	16	1,600.00	25,600.00
25	Plinth for installation of 250 KVA DTR	Nos.	1	32,181.60	32,181.60
26	Construction of Boundary wall for fencing of DPM S/S in the size 4x5 Mtr. @ 7300.12/RM (as per TPSODL specification)	RM	18	7,300.12	131,402.16
					275,701.94
	Sub Total Rs.				2,503,575.51
V	SERVICE CONNECTION(ADMINISTRATIVE BUILDING)				
1	3.5Core 50 sq. mm LT PVC cable(un armoured)	Mtr.	30	288.26	8,647.80
2	No. 8 SWG GI wire	Kg	3	106.50	319.50
3	200 Amp Kit Kat Fuse	No.	3	335.12	1,005.36
4	GI service connection Bracket	No.	1	383.40	383.40
5	Sundries	Ls	1	100.00	100.00
	A.Sub Total Rs.				10,456.06
B	Stock,storage and insurance (@3% on A)				313.68
C	TOTAL RS.				10,769.74
D	T&P @ 2% of C				215.39
E	Contingency @ 3% of C				323.09
F	Transportation @ 7.5% of C				807.73
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				1,076.97
H	TOTAL RS.				13,192.93
VI	SERVICE CONNECTION(FOR EV CHARGING)				
1	3.5Core 50 sq. mm LT PVC cable(un armoured)	Mtr.	30	288.26	8,647.80

2	No. 8 SWG GI wire	Kg	3	106.50	319.50
3	200 Amp Kit Kat Fuse	No.	3	335.12	1,005.36
4	GI service connection Bracket	No.	1	383.40	383.40
5	Sundries	Ls	1	100.00	100.00
	A.Sub Total Rs.				10,456.06
B	Stock,storage and insurance (@3% on A)				313.68
C	TOTAL RS.				10,769.74
D	T&P @ 2% of C				215.39
E	Contingency @ 3% of C				323.09
F	Transportation @ 7.5% of C				807.73
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				1,076.97
H	TOTAL RS.				13,192.93
	Sub Total Rs.				2,529,961.37
	Cess @ 1%				25,299.61
	Total Estimated Cost				2,555,260.99
	Total Estimated Cost in Figures				2,555,261.00
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)**