

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 /www.ophwc.nic.in					
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PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB					
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NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO BUS STAND AT KOTAGADA ("C" TYPE) UNDER KOTAGADA BLOCK IN THE DISTRICT OF KANDHAMAL.					
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BID REF NO - 40/PM/ELECT/OPHWC/2025-26					
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NAME & ADDRESS OF THE FIRM					
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<u>SCHEDULE OF WORKS</u>					
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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 XLPE Insulated covered conductor-0.120 Km Road cross Guarding-1 No.				
1	11 Mtr Long (160x152)mm WPB GI Pole(30.44 Kg/mtr)including base plate	No	3	34,321.52	102,964.56
2	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 4 Nos, & 0.3 Mtr. Long 4 Nos.including tapping point	Kg	55.2	106.50	5,878.80
3	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	7.034	106.50	749.12
4	11 KV 'V' cross arm(10.2 Kg each)	No.	2	1,150.20	2,300.40
5	GI Back clamp for 11 KV V Cross Arm	No.	2	113.60	227.20
6	Top F clamp	No.	2	340.80	681.60
7	Disc insulator 45 KN (B&S) Polymer	No.	9	1,221.20	10,990.80
8	11 KV HW fitting (B&S) type 2 bolted	No	3	369.20	1,107.60
9	11KV Pin Insulator polymer	No.	9	284.00	2,556.00
10	PG clamp for 55 sq. mm AAAC	No.	3	681.60	2,044.80
11	11 KV XLPE insulated covered conductor 55 sq. mm	Km	0.3708	99,740.00	36,983.59
12	IPC for 11 KV 55 sq. mm covered conductor	No	6	550.00	3,300.00
13	Tension Assembly wedge type with anchoring clamp for 11 KV covered conductor	No	6	905.00	5,430.00
14	Non metallic Ties 11 KV	No	6	286.00	1,716.00
15	HT stay set (Complete)	No.	1	1,491.00	1,491.00
16	HT stay Insulator, Type-C	No.	1	71.00	71.00
17	Stay clamp(1.9 Kg/Pair)	pair	1	177.50	177.50
18	7/10 SWG GI Saty wire	Kg	10	106.50	1,065.00
19	Earthing Device coil type GI	No	3	235.72	707.16
20	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.786	106.50	83.71

21	Danger Board	No	3	113.60	340.80
22	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.9027	106.50	96.14
23	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	9	113.60	1,022.40
24	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	3.611	106.50	384.57
25	No.6/8 GI wire	Kg	30	106.50	3,195.00
26	75x40x6 mm Channel st. cross arm @ 6.8 Kg/Mtr.(3.23 Mtr. Long 4 Nos. Channels) with Galvanisation for Road cross guarding	Kg	40.8	106.50	4,345.20
27	Eye Hook	Nos.	4	85.20	340.80
28	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	2	1,491.00	2,982.00
29	50x6 mm GI Flat for earthing, 2.36 Kg/Mtr.(2.5 Mtr. Mesh foundation and 2.5 Mtr. for raising)	Kg	23.6	106.50	2,513.40
30	GI Nuts & Bolts	Kg	10.5	110.76	1,162.98
31	Black paint	Ltr.	1.500	312.40	468.60
32	Yellow colour paint for Background	Ltr.	3.000	212.77	638.31
33	Sundries	No.	1	1,000.00	1,000.00
	Total Rs.				199,016.04
PART-II	DP STRUCTURE -1 NO.				
1	11 Mtr Long GI(160x152)WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	2	34,321.52	68,643.04
2	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
3	GI Bracing channel 75x40x6mm channel 2.8 mtr long,2 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	36	106.50	3,834.00
5	11KV Pin Insulator polymer	No.	3	284.00	852.00
6	Disc insulator 45 KN (B&S) Polymer	No.	6	1,221.20	7,327.20
7	11 KV HW fitting (B&S) type 2 bolted	No	6	369.20	2,215.20
8	PG clamp for 55 sq. mm AAAC	No.	6	681.60	4,089.60
9	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	5.275	106.50	561.79
10	HT stay set (Complete)	No.	4	1,491.00	5,964.00
11	HT stay Insulator, Type-C	No.	4	71.00	284.00
12	Stay clamp(1.9 Kg/Pair)	pair	4	177.50	710.00
13	7/10 SWG GI Saty wire	Kg	40	106.50	4,260.00
14	Earthing Device coil type GI	No	2	235.72	471.44
15	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
16	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	1	1,491.00	1,491.00
17	50x6 mm GI Flat for earthing, 2.36 Kg/Mtr.(2.5 Mtr. Mesh foundation and 2.5 Mtr. for raising)	Kg	11.8	106.50	1,256.70
18	Danger Board	No	2	113.60	227.20

19	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
20	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
21	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.4072	106.50	256.37
22	GI Nut, Bolt & washer of assorted size	Kg	10	110.76	1,107.60
23	Black paint	Ltr.	1	312.40	312.40
24	Yellow colour paint for Background	Ltr.	2	212.77	425.54
25	Sundries(Al. binding tape, insulating Tape etc.)	No.	1	1,000.00	1,000.00
	Total Rs.				115,632.97
PART-III	Installation of 250 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long GI(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 Galvanisation	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 Off load Tap changer BIS Energy Level-II, IS 1180, Ammendment-4	No	1	619,789.28	619,789.28
25	LT Distribution box(GI) with 3 pole MCCB, aluminium Bus bar 400 Amp for 3 bay with HRC Fuse (O/G-1- 200 Amp , O/G-2 200 A, O/G-3, 160A)for 250 KVA S/S,MCCB should have integrated protection for overload, short circuit & earth fault.	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 3X35+1x25+1x16 sqmm XLPE AB Cable=0.180 Km(6 Span)				
1	11 Mtr Long (160x152)WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	2	34,321.52	68,643.04
2	9 Mtr. Long 300 KG PSC Pole	No	3	4,260.00	12,780.00
3	8 Mtr. Long 200 KG PSC Pole as stud pole	No	2	2,840.00	5,680.00
4	Back clamp for stud pole	No	8	113.60	908.80
5	RCC Base plate for support	No.	3	361.34	1,084.02
6	L.T Stay set (Complete)	Set	3	738.40	2,215.20

7	L.T Stay Insulator	No.	3	42.60	127.80
8	L.T Stay clamp (1.40 K.g/Pair)	Pair	3	156.20	468.60
9	7/12 SWG Stay Wire ,Grade-2	Kg	24	106.50	2,556.00
10	3X35+1x25+1x16 sqmm AB Cable	Km	189.00	170.40	32,205.60
11	Pole clamp for eye Hook for AB cable	No.	10	284.00	2,840.00
12	Dead end clamp with eye hook	No	8	177.50	1,420.00
13	Suspension clamp with Eye Hook	No	2	482.80	965.60
14	Earthing support coil type	No	5	235.72	1,178.60
15	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	1.310	106.50	139.52
16	GI Nut, Bolt & washer	Kg	2.5	110.76	276.90
17	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	15	113.60	1,704.00
18	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	6.018	106.50	640.92
19	Danger Board	No	5	113.60	568.00
20	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.505	106.50	160.28
21	Black paint	Ltr.	2.50	312.40	781.00
22	Yellow colour paint for Background	Ltr.	5	212.77	1,063.85
23	Saundries	No.	1	1,000.00	1,000.00
	Total Rs.				139,407.72
	A.Sub Total Rs.				1,347,569.03
B	Stock,storage and insurance (@3% on A)				40,427.07
C	TOTAL RS.				1,387,996.10
D	T&P @ 2% of C				27,759.92
E	Contingency @ 3% of C				41,639.88
F	Transportation @ 7.5% of C				104,099.71
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				92,873.82
H	TOTAL RS.				1,654,369.43
24	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr. as per TPSODL specification and drawing =0.2 cum	Nos.	14	1,329.77	18,616.78
25	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.	9	3,739.98	33,659.82
26	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.	3	3,241.31	9,723.93
27	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	10	1,600.00	16,000.00
28	Plinth for installation of 250 KVA DTR	Nos.	1	32,181.60	32,181.60

29	Construction of Boundary wall for fencing of DPM S/S in the size 3x3 Mtr. @ 7300.12/RM (as per TPSODL Drawing & specification)	RM	18	7,300.12	131,402.16
30	Dismantle of existing LT Line 4 span/3 poles	Ls	1	5,071.72	5,071.72
31	Dismantle of existing HT Line 2 poles	Ls	1	1,560.35	1,560.35
32	Dismantle of existing 11 KV Line DP structure-1 No. (with 9 Mtr. PSC Pole)	Ls	1	2,118.64	2,118.64
					250,335.00
	Sub Total Rs.				1,904,704.43
PART-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
PART-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.				1,931,090.30
	Cess @ 1%				19,310.90
	Total Estimated Cost				1,950,401.20
	Total Estimated Cost in Figures				1,950,401.00
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)