

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 :- 03 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO BUS STAND AT BELTA UNDER PATTAMUNDAI BLOCK IN THE DISTRICT OF KENDRAPADA.

BID REF NO :- 02/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.
I	CONSTRUCTION OF 11 KV LINE .				
A	11 KV CUT POINT WITH 180 DEGREE ANGLE				
1	11 Mtr. Long H Pole(GI)	No	1	63254.28	63,254.28
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required = (4x9.56x1.2)	Kg	22.944	102.00	2,340.29
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	5.286	102.00	539.17
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	5.85	102.00	596.70
5	Danger plate	No	1	108.80	108.80
6	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	102.00	30.69
7	GI barbed wire/Anticlimbing device	No	3	108.80	326.40
8	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	102.00	122.77
9	11 KV pin insulator polymer	Set	3	272.00	816.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	6	476.00	2,856.00
11	Disc insulator (B&S) 70 KN polymer	No.	6	1564.00	9,384.00
12	Earthing of Support (Coil Type)	No	1	225.76	225.76
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	102.00	26.72
14	Non metallic ties -11 KV 55 sq. mm covered AAAC	No	3	251.00	753.00
15	IPC for 55 sq. mm AAAC(For covered conductor)	No	6	371.00	2,226.00
17	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	3.55	106.08	376.58
18	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	167.46	334.92
19	Black paint (GIS Numbering & Zebra stripping)	Ltr	0.5	299.20	149.60
A	A. Sub total				84,467.69
B	B. Stock, Storage & Insurance @ 3% of A				2,534.03
C	Sub Total (C=A+B)				87,001.72
D	T&P @ 2% of C				1,740.04
E	Contingency @ 3% of C				2,610.05

F		Transportation @ 7.5% of C			6,525.13
		Erection Charges @ 5% on poles			3,257.60
G		Erection Charges @ 10%			2,184.99
H		Total			103,319.53
20	Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.	Cum	0.45	6648.85	2,991.98
21	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6648.85	748.00
		Total Material + Services Cost (J+K)			107,059.51
B	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	13 Mtr. Long H Pole(GI) including additional one H-Pole for stud arrangement	No	2	74754.78	149,509.56
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	45.888	102.00	4,680.58
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	102.00	1,078.43
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	11.70144	102.00	1,193.55
5	Danger plate	No	1	108.80	108.80
6	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.3099	102.00	31.61
7	GI barbed wire/Anticlimbing device	No	3	108.80	326.40
8	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	102.00	122.77
9	11 KV pin insulator polymer	Set	4	272.00	1,088.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	9	476.00	4,284.00
11	Disc insulator (B&S) 70 KN polymer	No.	9	1564.00	14,076.00
12	Earthing of Support (Coil Type)	No	1	225.76	225.76
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	102.00	26.72
14	Non metallic ties -11 KV 55 sq. mm AAAC	No	4	251.00	1,004.00
15	IPC for 55 sq. mm AAAC(For covered conductor)	No	3	371.00	1,113.00
16	Wedge connector for 55 sq. mm conductor	Set	6	135.60	813.60
17	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	102.00	3,060.00
18	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.433	106.08	788.49
19	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	167.46	334.92
20	Black paint (GIS Numbering & Zebra stripping)	Ltr	0.5	299.20	149.60
A		A. Sub total			184,015.78
B		B. Stock, Storage & Insurance @ 3% of A			5,520.47
C		Sub Total (C=A+B)			189,536.26
D		T&P @ 2% of C			3,727.67
E		Contingency @ 3% of C			5,686.09
F		Transportation @ 7.5% of C			14,215.22
		Erection Charges @ 5% on poles			7,699.74
G		Erection Charges @ 10%			3,238.87
H		Total			224,103.84

21	Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.	Cum	1.1	6648.85	7,313.74
22	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.225	6648.85	1,495.99
Total Material + Services Cost (J+K)					232,913.57
C	11 KV PIN POINTS WITH WPB				
1	55 sq. mm AAAC XLPE covered conductor	Mtr.	154.5	99.74	15,409.83
A	A. Sub total				15,409.83
B	B. Stock, Storage & Insurance @ 3% of A				462.29
C	Sub Total (C=A+B)				15,872.12
D	T&P @ 2% of C				317.44
E	Contingency @ 3% of C				476.16
F	Transportation @ 7.5% of C				1,190.41
	Erection Charges @ 5% on poles				
G	Erection Charges @ 10%				1,587.21
H	Total				19,443.35
II	11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING-1 SPAN				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2)	Kg	62.832	102.00	6,408.86
2	No-6 GI wire (0.192 Kg/Mtr.)for main string	Kg	15.36	102.00	1,566.72
3	No-8 GI wire (0.131 Kg/mtr.)for lacing	Kg	3.275	102.00	334.05
4	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	4	136.00	544.00
5	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1428.00	2,856.00
6	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	50.504	102.00	5,151.41
A	TOTAL MATERIAL COST (FOR-2020-21)				16,861.04
B	Stock, Storage & Insurance @ 3% of A				505.83
C	Sub Total (C=A+B)				17,366.87
D	Contingency @3% of C				521.01
E	T & P 2% of C				288.50
F	Transportation @ 7.5% of C				1,302.52
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				1,442.52
J	Sub Total Rs.				20,921.41
7	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	2	3784.73	7,569.46
	Total Rs.				28,490.87
III	INSTALLATION OF 1 NO. 11 KV DP WITH AB SWITCH AND LA FOR HT METERING UNIT.				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	34153.68	68,307.36
2	Top Channel(GI) 100X50X6mm, 9.56 KG/Mtr., each Channel(GI) length 3 mtr., 2 no's Channel(GI) required =(2x9.56x3)	KG	57.36	102.00	5,850.72
3	Fish Plate(GI) 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	KG	3.965	102.00	404.43

4	AB switch Mounting Channel(GI) 75X40X4.8mm, 7.14KG/Mtr, each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required =(7.14x3x2)	KG	42.84	102.00	4,369.68
5	HT MU Mounting Channel(GI) 100X50X6mm, 9.56KG/Mtr, each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required =(9.56x3x2)	KG	57.36	102.00	5,850.72
6	Cantilever Support Channel(GI) 75x40x4.8 mm GI Channel(GI) (810 mm long,2 No's.) (7.14Kg./Mtr., 2 No's.) (Each 2x0.81x7.14)	KG	11.567	102.00	1,179.83
7	Angle(GI) for Cantilever arrangement for HT MU 50 x 50 x 6 - 1282 mm.each 2 nos.(4.5 K.g. per mtr.)	KG	11.538	102.00	1,176.88
8	MU and AB Switch Side Support Channel(GI) 100X50X6mm,9.56 KG/Mtr., each Channel(GI) length 0.35 mtr., 4 no's Channel(GI) required =(9.56x4x0.35)	KG	13.384	102.00	1,365.17
9	Channel(GI) Support for down Pipe 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 0.8 Mtr., 1 no's Channel(GI) required =(7.14x0.8x1)	KG	5.712	102.00	582.62
10	Double Pole Belting Channel(GI) 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required =(7.14x3x2)	KG	42.84	102.00	4,369.68
11	50x50x6mm.GI Bracing Angle(GI), 4.5Kg./mtr., each Angle(GI) length 3.512 mtr., 2 nos Angle(GI) required = (4.5x3.512x2)	KG	31.608	102.00	3,224.02
12	Danger Plate, 2 no's.	No	2	108.80	217.60
13	Back Clamp for danger Plate 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 2 no's = (2x0.59x0.510)	KG	0.6018	102.00	61.38
14	55mm ² ACSR - PVC Insulated for Jumpering	Mtr.	15	55.24	828.60
15	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	2	170.00	340.00
16	H.T. Stay set (Complete)	SET	2	1428.00	2,856.00
17	H.T. Stay Insulator Type-C	EA	2	68.00	136.00
18	7/10 SWG Stay Wire 15kg /stay	KG	30	102.00	3,060.00
19	Gi Pipe Earthing 40mm. 3 Mtr. Long	No	2	1428.00	2,856.00
20	50x6mm Flat(GI) 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	48.38	102.00	4,934.76
21	GI barbed wire anticlimbing device 3 Kg. Per support, 2 no's qty. required =(2x3kg)	KG	6	108.80	652.80
22	Back Clamp for anticlimbing device 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 8 no's = (8x0.59x0.510)	KG	2.407	102.00	245.51
23	Lightning Arrester(12KV,10KA) (Station Class,class-2)	No.	3	4828.00	14,484.00
24	AB Switch (11KV,200A.3pole,50Hz)	SET	1	9996.00	9,996.00
25	11 KV pin insulator polymer	EA	3	272.00	816.00
26	H W fitting(B&S) 70KN, 3Bolt	EA	6	476.00	2,856.00
27	Disc insulator (B&S) 70 KN polymer	EA	6	1564.00	9,384.00
28	Wedge connector for 55 sq. mm conductor	EA	3	146.20	438.60
29	IPC for 55 sq. mm AAAC(For covered conductor)	EA	3	371.00	1,113.00
30	GI Nut , Bolt & Washer of different sizes (13.718 Kg each DP with AB Switch)	KG	13.718	106.08	1,455.21
31	Polycarbonate Bird Guard	EA	9	20.96	188.64
32	Black Paint(GIS Numbering & Zebra Stripping)	L	1	299.20	299.20
33	Yellow Colour Paint(GIS Numbering & Zebra Stripping) for Background	L	2	167.46	334.92
A				A. Sub total	154,235.33
B				B. Stock, Storage & Insurance @ 3% of A	4,627.06

C		Sub Total (C=A+B)			158,862.39
D		T&P @ 2% of C			2,986.74
E		Contingency @ 3% of C			4,765.87
F		Transportation @ 7.5% of C			11,914.68
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				3,517.83
H		Erection Charges @ 20% on PSC Poles			
I		Erection Charges @ 10% for other materials			7,898.03
J		Total			189,945.54
34	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 excavation including excavation, 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.	EA	2	2301.53	4,603.06
35	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45 Cu.mtr(Per Pole)	Cu. Mtr	0.9	6648.85	5,983.97
36	Couping ratio 1:1.5:3(M-20 Grade) (500mmX500mmX450 mm) = 0.1125 Cu.mtr(Per Pole)	Cu. Mtr	0.225	6648.85	1,495.99
37	Construction Earthing chamber including installation of earthing pipe.Making earthing chamber including excavation , soil treatment with bentonide powder ,	EA	2	3784.73	7,569.46
38	Supply and Erection of GI Fencing with Gate	M2	20	3682.44	73,648.80
					93,301.28
				Sub total Rs	283,246.82
	Sub Total Rs.				671,154.12
	Cess @1%				6,711.54
	Total Estimated Cost				677,865.66
	Total Estimated Cost in Figures				677,866.00
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/-
D.M (Elect)

Sd/-
Project Manager (Elect)