

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in****PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 18-F TYPE QTRS. AT DIST HDQR., KENDRAPADA IN THE DIST. OF KENDRAPADA.****BID REF NO :- 54/PM/ELECT/OPHWC/2024-25****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 90 DEGREE ANGLE				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	29661.00	29661.00
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	76.00	3487.49
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	97.50	1030.85
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	76.00	889.31
5	Danger plate	No	1	104.00	104.00
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	97.50	29.34
7	GI barbed wire/Anticlimbing device	No	3	104.00	312.00
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	97.50	117.35
9	11 KV pin insulator polymer	Set	4	260.00	1040.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	6	455.00	2730.00
11	Disc insulator (B&S) 70 KN polymer	No.	6	1495.00	8970.00
12	Earthing of Support (Coil Type)	No	1	215.80	215.80
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	97.50	25.55
14	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
15	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	162.50	325.00
16	HT Stay Set (Complete)	Set	2	1365.00	2730.00
17	HT Stay Insulator	No.	2	65.00	130.00
18	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	97.50	2925.00

19	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.433	101.40	753.71
20	Yellow colour paint for Background	Ltr	2	216.00	432.00
21	Black colour paint for numbering	Ltr	0.5	286.00	143.00
A	A. Sub total				59,795.39
B	B. Stock, Storage & Insurance @ 3% of A				1,793.86
C	Sub Total (C=A+B)				61,589.25
D	T&P @ 2% of C				1,105.92
E	Contingency @ 3% of C				1,847.68
F	Transportation @ 7.5% of C				4,619.19
	Erection Charges @ 5% on poles				1,527.54
G	Erection Charges @ 10%				2,474.51
H	Total				73,164.09
22	Fixing of 11 KV 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, including excvaton, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	No	2	2250.00	4500.00
23	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.	Cum	0.45	6500.00	2925.00
24	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6500.00	731.25
	Total Material + Services Cost (J+K)				81,320.34
B	11 KV PIN POINTS WITH WPB				
1	55 sq. mm All Alloy conductor	Km	0.1236	39000.00	4820.40
A	A. Sub total				4,820.40
B	B. Stock, Storage & Insurance @ 3% of A				144.61
C	Sub Total (C=A+B)				4,965.01
D	T&P @ 2% of C				99.30
E	Contingency @ 3% of C				148.95
F	Transportation @ 7.5% of C				372.38
	Erection Charges @ 5% on poles				
G	Erection Charges @ 10%				496.50
H	Total				6,082.14
II	INSTALLATION OF 250 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
2	9 Mtr Long 300 KG PSC Pole(For raising of LT ABC)	No	1	3900.00	3900.00
3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	2	260.00	520.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	2	78.00	156.00
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	2	84.50	169.00

6	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	76.00	4359.36
7	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	97.50	386.57
8	Double pole Belting Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	42.84	76.00	3255.84
9	50X50X6 mm.GI Bracing Angle,4.5 Kg/Mtr.,3512 mm Long, 4.5KG/Mtr., 2 Nos.	Kg	31.608	76.00	2402.21
10	MU channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84
10	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84
11	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	76.00	508.44
12	Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.	Kg	5.711	76.00	434.04
13	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84
14	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	76.00	879.32
15	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	76.00	877.04
16	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	154.81	97.50	15093.98
17	250 KVA , 11/0.4 KV (CU) Transformer BIS Energy Level-II	No	1	573210.00	573210.00
18	LT Distrubution Box with MCCB, Aluminim Busbar of 3 Bay with kit kat Fuse for 250 KVA S/S.	No	1	62400.00	62400.00
19	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
20	1Cx400 sq. mm LT XLPE cable	Mtr	120	359.66	43159.20
21	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
22	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
23	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
24	11 KV Disc insulator polymer type 70 KN	No	3	1495.00	4485.00
25	11 KV H/W fitting polymer type	Pair	3	455.00	1365.00
26	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
27	11 KV Pin Insulator polymer type	No	3	260.00	780.00
28	HT Stay Set (Complete)	Set	2	1365.00	2730.00
29	HT Stay Insulator	No.	2	65.00	130.00
30	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	162.50	325.00
31	7/10 SWG Stay Wire	KG	30	97.50	2925.00
32	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
33	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
34	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
35	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	97.50	234.70
36	Danger plate	Kg	2	104.00	208.00

37	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	97.50	58.68
38	Name Plate	No	1	104.00	104.00
39	Structure Numbering and marking				
40	Yellow colour paint for Background	Ltr	2	216.00	432.00
41	Black colour paint for numbering	Ltr	1	286.00	286.00
A	A. Sub total				8,45,439.88
B	B. Stock, Storage & Insurance @ 3% of A				25,363.20
C	Sub Total (C=A+B)				8,70,803.08
D	T&P @ 2% of C				16,204.29
E	Contingency @ 3% of C				26,124.09
F	Transportation @ 7.5% of C				65,310.23
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				32,575.40
H	Erection Charges @ 20% on PSC Poles				803.40
I	Erection Charges @ 10% for other materials				15,468.96
J	Total				10,27,289.45
42	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6500.00	5,850.00
43	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6500	1,469.00
44	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2250.00	4,500.00
45	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	7	3700.00	25,900.00
46	LT DB Plinth	No	1	3000.00	3,000.00
47	DTR Plinth upto 1000 KVA	No	1	25000.00	25,000.00
48	Laying of 1Cx400 sq.mm LT XLPE cable	Mtr.	120	72.00	8,640.00
49	Supply and Erection of GI fencing with Gate	Sq. Mtr.	20	3600.00	72,000.00
42	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.375	6500.00	2,437.50
					1,48,796.50
	Sub total Rs				11,76,085.95
III	Construction of LT Line -0.24 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	18	3900.00	70,200.00
2	LT stay set complete	Set	6	676.00	4,056.00
3	7/12 SWG GI stay wire, Grade-2	Kg	72	97.50	7,020.00
4	LT stay clamp	Pair	6	143.00	858.00
5	LT stay set Insulator	No	6	39.00	234.00
6	LT Accessories with Eye Hook and Clamp				

7	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	22	260.00	5,720.00
8	Eye Hook for XLPE Aerial Bunched Cable	No	8	78.00	624.00
9	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	8	84.50	676.00
10	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	14	442.00	6,188.00
11	4 Cx95(P)+1Cx95(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	630	368.64	2,32,243.20
13	Insulated Piercing connector ,Type-A main 50-150 sq. mm & Tap-50 to 150 sq. mm	No	60	113.08	6,784.80
14	GI Pipe for earthing (each 5th pole to earth)	No	4	1365.00	5,460.00
15	Coil Earthing	No	14	215.80	3,021.20
16	No-8 GI wire (Dia-4.6mm)	Kg	4.7	97.50	458.25
17	Danger plate (LT)	No	18	104.00	1,872.00
18	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	5.42	97.5	528.45
19	GI barbed wire/Anticlimbing device 3 kg per support	Kg	54	104	5616.00
20	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	21.66	97.5	2111.85
21	GI Nut, Bolt & washers of different sizes	Kg	9	101.40	912.60
22	Yellow colour paint for Background	Ltr	36	216.00	7,776.00
23	Black paint	Ltr	18	286.00	5,148.00
A	TOTAL MATERIAL COST				3,67,508.35
B	Stock, Storage & Insurance @ 3% of A				11,025.25
C	Sub Total (C=A+B)				3,78,533.60
D	Contingency @3% of C				11,356.01
E	T & P 2% of C				7,207.57
F	Transportation @ 7.5% of C				28,390.02
G	Erection Charges for PSC Pole @ 20%				14,461.20
H	Erection Charges of Joist Poles @ 5%				
I	Erection Charges of other @ 10%				28,807.25
J	Sub Total Rs.				4,68,755.65
Civil and Services Works (As per Technical Specification)					
24	Fixing of LT 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,including excavation supply of 0.5 cum cement concrete foundation 1:2:4 size(500x500x800mm)using 20 mm BHG metal with all Labour and material(Excavation of earth will be done of size500x500x1500mm)	No	6	2250	13500.00
25	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	6.75	6500.00	43,875.00

26	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	4	3700.00	14,800.00
K	Total Services Cost				72,175.00
	Total Material + Services Cost (J+K)				5,40,930.65
35	Dismantling of Line ,Pole & Transformer etc.	Ls	1	2202.00	2202.00
	Total Rs.				18,06,621.08
	Cess @ 1%				18,066.21
	Total Estimated Cost				18,24,687.29
	Total Estimated Cost in Figures				18,24,687.00
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.)