

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 :- 04 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-E+6-F TYPE STAFF QUARTERS AT NACHUNI POLICE STATION IN THE DISTRICT OF KHURDA.****BID REF NO :-80/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 90 DEGREE ANGLE				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	36804.27	36804.27
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	106.50	4887.07
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	106.50	1126.00
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	106.50	1246.20
5	Danger plate	No	1	113.60	113.60
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	106.50	32.05
7	GI barbed wire/Anticlimbing device	No	3	113.60	340.80
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	106.50	128.18
9	11 KV pin insulator polymer	Set	4	284.00	1136.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	6	497.00	2982.00
11	Disc insulator (B&S) 70 KN polymer	No.	6	1633.00	9798.00
12	Earthing of Support (Coil Type)	No	1	235.72	235.72
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	106.50	27.90
14	Wedge connector for 55 sq. mm conductor	No	6	100.00	600.00
15	Polycarbonate Bird Guard	No	10	29.40	294.00
16	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	2	177.50	355.00
17	H.T. Stay set (Complete)	SET	2	1491.00	2982.00
18	H.T. Stay Insulator Type-C	EA	2	71.00	142.00
19	7/10 SWG Stay Wire 15kg /stay	KG	30	106.50	3195.00
20	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.433	110.76	823.28

21	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	216.00	432.00
22	Black paint (GIS Numbering & Zebra stripping)	Ltr	0.5	312.40	156.20
A	A. Sub total				67,837.28
B	B. Stock, Storage & Insurance @ 3% of A				2,035.12
C	Sub Total (C=A+B)				69,872.40
D	T&P @ 2% of C				1259.94
E	Contingency @ 3% of C				2,096.17
F	Transportation @ 7.5% of C				5,240.43
	Erection Charges @ 5% on poles				1,895.42
G	Erection Charges @ 10%				2,508.98
H	Total				82,873.34
24	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.	No	2	2301.53	4,603.06
25	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)	Cum	0.45	6648.85	2,991.98
26	Couping ratio 1:1.5:3(M-20 Grade) with dimension (500X500X450)= 0.1125 Cu mtr(Per Pole)	Cum	0.1125	6648.85	748.00
	Total Material + Services Cost (J+K)				91,216.38
B	11 KV PIN POINTS WITH WPB				
1	55 sq. mm AAAC	Km	0.06	42600.00	2632.68
A	A. Sub total				2,632.68
B	B. Stock, Storage & Insurance @ 3% of A				78.98
C	Sub Total (C=A+B)				2,711.66
D	T&P @ 2% of C				54.23
E	Contingency @ 3% of C				81.35
F	Transportation @ 7.5% of C				203.37
	Erection Charges @ 5% on poles				
G	Erection Charges @ 10%				271.17
H	Total				3,321.78
II	INSTALLATION OF 63 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36804.27	73608.54
2	9 Mtr. long 300 Kg. PSC Pole	No.	1	4260.00	4260.00
3	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	No.	2	284.00	568.00
4	EYE hook for XLPE Aerial bunched Cable	No.	2	85.20	170.40
5	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No.	2	92.30	184.60
6	LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 3 No's.) (Each 3x1.000x7.14= 21.42 Kg)	Kg	21.42	106.50	2281.23

7	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	106.50	6108.84
8	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	106.50	422.25
9	MU channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
10	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
11	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	106.50	712.49
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	106.50	608.22
13	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
14	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	106.50	1232.21
15	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	106.50	1229.01
16	Transformer Base GI Channel 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	Kg	57.36	106.50	6108.84
17	Transformer Base Support GI Channel 100 X 50 X 6 MM (515 mm long) (9.56Kg./Mtr, 2 No's) (Each 2x0.515x9.56= 9.85Kg)	Kg	9.85	106.50	1049.03
18	Transformer Belting Angle 50 X 50 X 6MM GI (3000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x3.0x4.5 Kg)	Kg	27	106.50	2875.50
19	Transformer Belting Support Angle 50 X 50 X 6MM GI (580 mm long)(4.5Kg./Mtr,2 No's) (Each 2x0.580x4.5= Kg)	Kg	5.22	106.50	555.93
20	LTDB Mounting Angle 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x1x4.5 Kg)	Kg	9	106.50	958.50
21	50x6mm Flat(GI) for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For LA and 2.5 mtr. For raising, 11 mtr for AB switch, 2.8 mtr for HG Fuse, 5x2 mtr. for DTR Nutral, (1.3+4.5) mtr. For DTR Body, 0.500 mtr for LTDB & AB Switch operating handle, 3 mtr. for Fencing) (Each 65.6x 2.36= 154.81 Kg)	Kg	154.81	106.50	16487.27
22	63 KVA , 11/ 0.4 KV (AL) Transformer, BIS Energy Loss level II, Ammendment-4	No	1	141308.92	141308.92
23	LT Distribution Box with MCCB, Aluminium Busbar of single Bay with kit kat fuse for 63 KVA S/S	No	1	26017.24	26017.24
24	55 SQ.MM. AAAC XLPE Covered Conductor	Mtr	50	99.74	4987.00
25	4 Cx 95 mm2 LT XLPE Cable(Armoured) - FOR 63 KVA Trf.	Mtr	15	499.41	7491.15
26	4 Cx 95 mm2 LT XLPE Cable(Armoured) - From LT DB to Pole	Mtr	40	499.41	19976.40
27	11 KV AB switch (200 Amp, 3 pole)	Set	1	10437.00	10437.00
28	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	8690.00	8690.00
29	Wedge connector for 55 sq. mm conductor	EA	6	100.00	600.00
30	Polycarbonate Bird Guard	No	6	29.40	176.40
31	11 KV Disc insulator polymer type 70 KN	No	3	1633.00	4899.00
32	11 KV H/W fitting polymer type	Pair	3	497.00	1491.00
33	11 KV LA (12KV,10 KA)station class-2	No	3	5041.00	15123.00
34	11 KV Pin Insulator polymer type	No	3	284.00	852.00

35	HT Stay Set (Complete)	Set	2	1491.00	2982.00
36	HT Stay Insulator	No.	2	177.50	355.00
37	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	71.60	143.20
38	7/10 SWG Stay Wire	KG	30	106.50	3195.00
39	GI Pipe for earthing 40mm dia 3mtr long	No	7	1491.00	10437.00
40	GI Nut, Bolt & washers of different sizes	Kg	25	110.76	2769.00
41	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
42	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	106.50	256.37
43	Danger plate	Kg	2	113.60	227.20
44	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	106.50	64.09
45	Name Plate	No	1	113.60	113.60
	Structure Numbering and marking				
46	Yellow colour paint for Background	Ltr	2	216.00	432.00
47	Black colour paint for numbering	Ltr	1	312.40	312.40
A	A. Sub total				397,125.79
B	B. Stock, Storage & Insurance @ 3% of A				11,913.77
C	Sub Total (C=A+B)				409,039.56
D	T&P @ 2% of C				7,262.46
E	Contingency @ 3% of C				12,271.19
F	Transportation @ 7.5% of C				30,677.97
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				11,068.25
H	Erection Charges @ 20% on PSC Poles				877.56
I	Erection Charges @ 10% for other materials				13,737.00
J	Total				484,933.99
48	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6648.85	5,983.97
49	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6648.85	1,502.64
50	PCC ratio 1:3:6(M-10) grade for DSS area (3.5x2.5x0.1)=0.875 Cu Mtr.	Cu. Mtr	1.5	5247.48	7,871.22
51	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	2301.53	4,603.06
52	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	3784.73	26,493.11
53	Laying of 4Cx95 sq.mm LT XLPE cable	Mtr.	55	47.87	2,632.85
54	Supply and Erection of GI fencing with Gate	Sq. Mtr.	16	3682.44	58,919.04
55	Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cu. Mtr	0.375	6648.85	2,493.32

56	Supply of AL Lugs suitable for 95 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	24	92.06	2,209.44
57	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4 core 50-95 sq. mm sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	No	3	690.46	2,071.38
					114,780.02
	Sub total Rs				599,714.01
III	Construction of LT Line using 4x50+1x50+1X16 sq. mm LT AB Cable- -0.18 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	7	4260.00	29,820.00
2	LT stay set complete	Set	3	738.40	2,215.20
3	7/12 SWG GI stay wire, Grade-2	Kg	36	106.50	3,834.00
4	LT stay clamp	Pair	3	156.20	468.60
5	LT stay set Insulator	No	3	42.60	127.80
	LT Accessories with Eye Hook and Clamp				
6	Pole Clamp for Eye Hook for XLPE Areial bunched cable	Pair	11	284.00	3,124.00
7	Eye Hook for XLPE Areial Bunched Cable	No	6	85.20	511.20
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	6	92.30	553.80
9	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	5	482.80	2,414.00
10	4 Cx50(P)+1Cx50(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	189	206.22	38,975.58
11	4 way Distribution Box with kit kat Fuse and Aluminium Bus bar	No.	3	3138.20	9,414.60
12	8 way Distribution Box with kit kat Fuse and Aluminium Bus bar	No.	1	5680.00	5,680.00
13	Insulated Piercing connector ,Type-A main 50-150 sq. mm & Tap-50 to 150 sq. mm	No	3	113.08	339.24
14	GI Pipe earthing(each 5th pole to Earth)	No	1	1491.00	1,491.00
15	Coil Earthing	No	6	235.72	1,414.32
16	No-8 GI wire (Dia-4.6mm)	Kg	1.80	106.50	191.70
17	Danger plate (LT)	No	7	113.60	795.20
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	2.11	106.5	224.72
19	GI barbed wire/Anticlimbing device 3 kg per support	Kg	21	113.6	2,385.60
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	8.43	106.5	897.80
21	GI Nut, Bolt & washers of different sizes	Kg	3.5	110.76	387.66
22	Yellow colour paint for Background	Ltr	14	216.00	3,024.00
23	Black paint	Ltr	7	312.40	2,186.80
A	TOTAL MATERIAL COST				110,476.81
B	Stock, Storage & Insurance @ 3% of A				3,314.30
C	Sub Total (C=A+B)				113,791.11
D	Contingency @3% of C				3,413.73
E	T & P 2% of C				2,108.26
F	Transportation @ 7.5% of C				8,534.33
G	Erection Charges for PSC Pole @ 20%				6,142.92
H	Erection Charges of Joist Poles @ 5%				
I	Erection Charges of other @ 10%				7,469.92

J	Sub Total Rs.			141,460.28	
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	3	2301.53	6,904.59
25	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	2.625	6648.85	17,453.23
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	1	3784.73	3,784.73
K	Total Services Cost				28,142.55
	Total Material + Services Cost (J+K)				169,602.83
	Sub Total Rs.				863,855.01
	Cess @1%				8,638.55
	Total Estimated Cost				872,493.56
	Total Estimated Cost in Figures				872,494.00
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)