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 :- 01 AS PER IFB

NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK TO CATER POWER SUPPLY TO 6-F TYPE STAFF QUARTERS AT KHANDAPADA FIRE STATION IN THE DISTRICT OF NAYAGARH.

BID REF NO :- 53/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	3	34153.68	102461.04
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	137.664	102.00	14041.73
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	31.7184	102.00	3235.28
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	35.10432	102.00	3580.64
5	Danger plate	No	3	108.80	326.40
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	0.9027	102.00	92.08
7	GI barbed wire/Anticlimbing device	No	9	108.80	979.20
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	3.6108	102.00	368.30
9	11 KV pin insulator polymer	Set	12	272.00	3264.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	18	476.00	8568.00
11	Disc insulator (B&S) 70 KN polymer	No.	18	1564.00	28152.00
12	Earthing of Support (Coil Type)	No	3	225.76	677.28
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.786	102.00	80.17
14	Wedge connector for 55 sq. mm conductor	No	18	146.20	2631.60
15	Polycarbonate Bird Guard	No	30	20.96	628.80
16	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	6	170.00	1020.00
17	H.T. Stay set (Complete)	SET	6	1428.00	8568.00
18	H.T. Stay Insulator Type-C	EA	6	68.00	408.00
19	7/10 SWG Stay Wire 15kg /stay	KG	90	102.00	9180.00
20	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	22.299	106.08	2365.48
21	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	6	167.46	1004.76

22	Black paint (GIS Numbering & Zebra stripping)	Ltr	1.5	299.20	448.80
A	**A. Sub total**				**1,92,081.55**
B	**B. Stock, Storage & Insurance @ 3% of A**				**5,762.45**
C	**Sub Total (C=A+B)**				**1,97,844.00**
D	**T&P @ 2% of C**				**3561.85**
E	**Contigency @ 3% of C**				**5,935.32**
F	**Transportation @ 7.5% of C**				**14,838.30**
		Erection Charges @ 5% on poles			**5,276.74**
G	**Erection Charges @ 10%**				**7,255.78**
H	**Total**				**2,34,711.99**
23	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 excvation including excvation, 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**	**6**	**2301.53**	**13,809.18**
24	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)	**Cum**	**1.35**	**6648.85**	**8,975.95**
25	Couping ratio 1:1.5:3(M-20 Grade) with dimension (500X500X450)= 0.1125 Cu mtr(Per Pole)	**Cum**	**0.3375**	**6648.85**	**2243.99**
	Total Material + Services Cost (J+K)				**2,59,741.10**
C	**11 KV PIN POINTS WITH WPB**				
1	55 sq. mm AAAC	Km	0.20	40800.00	7956.00
	Crimping type midspan compression joint for 55 sq. mm AAAC	Nos	3.00	363.77	1091.31
A	**A. Sub total**				**9,047.31**
B	**B. Stock, Storage & Insurance @ 3% of A**				**271.42**
C	**Sub Total (C=A+B)**				**9,318.73**
D	**T&P @ 2% of C**				**186.37**
E	**Contigency @ 3% of C**				**279.56**
F	**Transportation @ 7.5% of C**				**698.90**
		Erection Charges @ 5% on poles			
G	**Erection Charges @ 10%**				**931.87**
H	**Total Rs.**				**11,415.44**
II	**INSTALLATION OF 63 KVA S/S.**				

1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	34153.68	68307.36
2	9 Mtr Long 300 KG PSC Pole(For raising of LT ABC)	No	1	4080.00	4080.00
3	Pole Clamp for Eye Hook for XLPE Areial bunched cable	Pair	2	272.00	544.00
4	Eye Hook for XLPE Areial Bunched Cable	No	2	81.60	163.20
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	2	88.40	176.80
6	LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 6 No's.) (Each 6x1.000x7.14= 42.84 Kg)	Kg	21.42	102.00	2,184.84
7	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	102.00	5,850.72
8	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	102.00	404.41
9	MU channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	102.00	4,369.68
10	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	102.00	4,369.68
11	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	102.00	682.38
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	102.00	582.52
13	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	102.00	4,369.68
14	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	102.00	1,180.14
15	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	102.00	1,177.08
16	Transformer Base GI Channel(GI) 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	102.00	5,850.72
17	Transformer Base Support GI Channel(GI) 100 X 50 X 6 MM (515 mm long) (9.56Kg./Mtr, 2 No's) (Each 2x0.515x9.56= 9.85Kg)	Kg	9.85	102.00	1,004.70
18	Transformer Belting Angle(GI) 50 X 50 X 6MM GI (3000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x3.0x4.5 Kg)	Kg	27	102.00	2,754.00
19	Transformer Belting Support Angle(GI) 50 X 50 X 6MM GI (580 mm long)(4.5Kg./Mtr,2 No's) (Each 2x0.580x4.5= Kg)	Kg	5.22	102.00	532.44
20	LTDB Mounting Angle(GI) 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x1x4.5 Kg)	Kg	9	102.00	918.00
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	154.82	102.00	15,791.64
22	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	152486.81	152486.81
23	LT Distrubution Box with MCCB, Aluminim Busbar of 3 Bay with kit kat Fuse for 63 KVA S/S.	No	1	24917.92	24917.92

24	55 sq. mm AAAC XLPE covered conductor	Mtr	50	55.24	2762.00
25	4 Cx 95 mm2 LT XLPE Cable(Armoured) - FOR 63 KVA Trf.	Mtr	15	438.71	6580.65
26	4 Cx 95 mm2 LT XLPE Cable(Armoured) - From LTDB to Pole	Mtr	40	438.71	17548.40
27	11 KV AB switch (200 Amp, 3 pole)	Set	1	9996.00	9996.00
28	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	8323.20	8323.20
29	Wedge connector for 55 sq. mm conductor	EA	6	146.20	877.20
30	Polycarbonate Bird Guard	No	6	20.96	125.76
31	11 KV Disc insulator polymer type 70 KN	No	3	1564.00	4692.00
32	11 KV H/W fitting polymer type	Pair	3	476.00	1428.00
33	11 KV LA (12KV,10 KA)station class-2	No	3	4828.00	14484.00
34	11 KV Pin Insulator polymer type	No	3	272.00	816.00
35	HT Stay Set (Complete)	Set	2	1428.00	2856.00
36	HT Stay Insulator	No.	2	170.00	340.00
37	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	68.00	136.00
38	7/10 SWG Stay Wire	KG	30	102.00	3060.00
39	GI Pipe for earthing 40mm dia 3mtr long	No	7	1428.00	9996.00
40	GI Nut, Bolt & washers of different sizes	Kg	25	106.08	2652.00
41	GI barbed wire/Anticlimbing device	No	6	108.80	652.80
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	102.00	245.53
43	Danger plate	Kg	2	108.80	217.60
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	102.00	61.38
45	Name Plate	No	1	108.80	108.80
	Structure Numbering and marking				
46	Yellow colour paint for Background	Ltr	2	167.46	334.92
47	Black colour paint for numbering	Ltr	1	299.20	299.20
A	**A. Sub total**				**3,91,292.17**
B	**B. Stock, Storage & Insurance @ 3% of A**				**11,738.77**
C	**Sub Total (C=A+B)**				**4,03,030.93**
D	**T&P @ 2% of C**				**7,225.95**
E	**Contigency @ 3% of C**				**12,090.93**
F	**Transportation @ 7.5% of C**				**30,227.32**
G	**Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%**				**11,370.90**
H	**Erection Charges @ 20% on PSC Poles**				**840.48**
I	**Erection Charges @ 10% for other materials**				**12,967.70**
J	**Total**				**4,77,754.21**
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 4 Cx95 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	**Supply and Erection of GI pipe dia 150 mm Class-B**	**M**	**16**	**1496.91**	**23,950.56**
56	**Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.**	**Cum**	**0.375**	**6648.85**	**2,493.32**
57	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**
58	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 50-95 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**
					1,38,730.58
				Total Rs	**6,16,484.80**
III	**LT Line using 4C×35 mm² (P)+1CX35 mm²(M)+1CX16 mm²(Street Light) (LT AB Cable)- -0.23 Km**				
1	9 Mtr Long 300 KG PSC Pole	No	7	4080.00	28,560.00
2	LT Stay set Complete	Set	3	707.20	2,121.60
3	7/12 SWG GI stay wire, Grade -2	Kg	36	102.00	3,672.00
4	LT stay Clamp (1.40Kg/pair)	Pair	3	149.60	448.80
5	LT Stay insulator	No	3	40.80	122.40
	LT Accessories with Eye Hook and Clamp				
6	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	7	272.00	1,904.00
7	EYE hook for XLPE Aerial bunched Cable	No	7	81.60	571.20
8	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	2	88.40	176.80
9	Suspension Clamp with EYE hook for ABC	No	7	462.40	3,236.80
10	4C×35 mm² (P)+1CX35 mm²(M)+1CX16 mm²(Street Light) (LT AB Cable)	Mtr	241.5	185.35	44,762.03
11	Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm	No	8	62.13	514.44
12	Pipe Earthing (each 5th pole to earth)	No	1	1428.00	1,428.00
13	Coil Earthing	No	6	225.76	1354.56
14	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	1.834	102.00	187.07
15	Danger plate (LT)	Kg	7	108.8	761.60
16	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	Kg	2.11	102.00	215.22
17	GI barbed wire anticlimbing device 3 Kg. Per support	Ltr	21	108.80	2,284.80
18	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	Kg	8.43	102.00	859.86
19	GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)	Kg	3.5	106.08	371.28

20	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr.	14	167.46	2,344.44
21	Black paint (GIS Numbering & Zebra stripping)	Ltr	7	299.20	2,094.40
A	**TOTAL MATERIAL COST**				**97,991.29**
B	**Stock, Storage & Insurance @ 3% of A**				2,939.74
C	**Sub Total (C=A+B)**				**1,00,931.03**
D	**Contingency @3% of C**				**3,027.93**
E	**T & P 2% of C**				**1,858.07**
F	**Transportation @ 7.5% of C**				**7,569.83**
G	**Erection Charges for PSC Pole @ 20%**				5,883.36
H	**Erection Charges of DTR and Joist Poles @ 5%**				
I	**Erection Charges of other @ 10%**				6,348.76
J	**Sub Total Rs.**				**1,25,618.98**
Civil and Services Works (As per Technical Specification)					
22	**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**	**6904.59**
23	**Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr**	**Cu.Mtr**	**2.63**	**6648.85**	**17,453.23**
24	**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**
	Sub Total Rs.				**1,53,761.53**
	DISMANTLING CHARGES				
1	Dismantling of 09/11 Mtr. Joist/WPB Pole-116X100mm	**Nos.**	**3**	**1380.92**	**4,142.76**
2	Dismantling of 11kV Pin Insulator with Pin	**Nos.**	**3**	**8.29**	**24.87**
3	Dismantling of 11kV Disc Insulator with Hardware	**Nos.**	**3**	**8.29**	**24.87**
4	Dismantling / Removal of MS Channel. from Double Pole Structure /pole	**Kg**	**40**	**8.1**	**324.00**
5	Dismantling of existing 11/0.4kV, 33/0.4KV, Three Phase Distribution Transformer below 100KVA including removal of HT/LT leads, earth connections and unloading by crane if required.	**Nos.**	**1**	**3262.64**	**3,262.64**
6	Dismantling of ACSR/AAAC 34/ 55mm2 from overhead line	**Mtr.**	**160**	**6.44**	**1,030.40**

7	Dismantling of all accesseries(Disc,pin insulator, v cross arm, danger board, steel structure of cut point from Single pole structure at 9/10/11/13 Mtr	**Nos.**	**1**	**267.59**	**267.59**
	Total Rs.				**9,077.13**
	Sub Total Rs.				**10,50,480.00**
	Cess @1%				**10,504.80**
	Total Estimated Cost				**10,60,984.80**
	Total Estimated Cost in Figures				**10,60,985.00**
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)