

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 :- 03 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK TO CATER POWER SUPPLY TO 6-F TYPE STAFF QUARTERS AT BADACHANA POLICE STATION IN THE DISTRICT OF JAJPUR.****BID REF NO :-41/PM/ELECT/OPHWC/2026-27**

NAME & ADDRESS OF THE FIRM					
<u>SCHEDULE OF WORKS</u>					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	INSTALLATION OF 100 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36804.27	73,608.54
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	6,108.84
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	4,562.46
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	4,562.46
14	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	106.50	1,232.21
15	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	106.50	1,229.01
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	106.50	6,108.84

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	106.50	1,049.03
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	106.50	2,875.50
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	106.50	555.93
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	106.50	958.50
21	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	106.50	16,487.27
22	100 KVA , 11/ 0.4 KV (AL) Transformer, BIS Energy Loss level II, Ammendment-4	No	1	193901.46	193901.46
23	LT Distribution Box with MCCB, Aluminium Busbar of 2 Bay with kit kat fuse for 100 KVA S/S	No	1	34674.98	34674.98
24	55 SQ.MM. AAAC XLPE Covered Conductor	Mtr	50	99.74	4987.00
25	4 Cx 150 mm2 LT XLPE Cable(Armoured) - FOR 100 KVA Trf.	Mtr	15	805.08	12076.20
26	1.1 kv 4 CORE 150 sq. mm XLPE Insulation armoured-aluminium UG cable from LTDB to Pole	Mtr	40	805.08	32203.20
27	11 KV AB switch (200 Amp, 3 pole, 50 HZ)	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	4,899.00
32	11 KV H/W fitting polymer type	Pair	3	497.00	1,491.00
33	11 KV LA (12KV,10 KA)station class-2	No	3	5041.00	15,123.00
34	11 KV Pin Insulator polymer type	No	3	284.00	852.00
35	HT Stay Set (Complete)	Set	2	1491.00	2,982.00
36	HT Stay Insulator	No.	2	177.50	355.00
37	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	71.00	142.00
38	7/10 SWG Stay Wire	KG	30	106.50	3,195.00
39	GI Pipe for earthing 40mm dia 3mtr long	No	7	1491.00	10,437.00
40	GI Nut, Bolt & washers of different sizes	Kg	25	110.76	2,769.00
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				475,186.72
B	B. Stock, Storage & Insurance @ 3% of A				14,255.60
C	Sub Total (C=A+B)				489,442.32
D	T&P @ 2% of C				8,524.21
E	Contingency @ 3% of C				14,683.27
F	Transportation @ 7.5% of C				36,708.17
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				13,776.77
H	Erection Charges @ 20% on PSC Poles				877.56
I	Erection Charges @ 10% for other materials				14,627.58
J	Total				578,639.88
48	Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cu.Mtr	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 4Cx150 sq.mm LT XLPE cable	Mtr.	55	73.65	4,050.75
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 150 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	24	156.50	3,756.00
57	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4 core 120-185 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	920.61	2,761.83
					118,434.93
	Sub total Rs				697,074.82
II	Construction of LT Line using 4x50+1x50+1X16 sq. mm LT AB Cable- -0.125 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	3	4260.00	12,780.00

2	LT stay set complete	Set	9	738.40	6,645.60
3	7/12 SWG GI stay wire, Grade-2	Kg	108	106.50	11,502.00
4	LT stay clamp	Pair	9	156.20	1,405.80
5	LT stay set Insulator	No	9	42.60	383.40
	LT Accessories with Eye Hook and Clamp				
6	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	39	284.00	11,076.00
7	Eye Hook for XLPE Aerial Bunched Cable	No	18	85.20	1,533.60
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	18	92.30	1,661.40
9	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	21	482.80	10,138.80
10	4 Cx50(P)+1Cx50(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	131.25	206.22	27,066.38
11	Insulated Piercing connector ,Type-A main 50-150 sq. mm & Tap-50 to 150 sq. mm	No	5	113.08	565.40
12	GI Pipe earthing(each 5th pole to Earth)	No	1	1491.00	1,491.00
13	Coil Earthing	No	2	235.72	471.44
14	No-8 GI wire (Dia-4.6mm)	Kg	0.80	106.50	85.20
15	Danger plate (LT)	No	3	113.60	340.80
16	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.9	106.5	95.85
17	GI barbed wire/Anticlimbing device 3 kg per support	Kg	9	113.6	1,022.40
18	Back clamp for Anticlimbing Device 25x3 mm , flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	3.61	106.5	384.47
19	GI Nut, Bolt & washers of different sizes	Kg	1.5	110.76	166.14
20	Yellow colour paint for Background	Ltr	6	216.00	1,296.00
21	Black paint	Ltr	3	312.40	937.20
A	TOTAL MATERIAL COST				91,048.87
B	Stock, Storage & Insurance @ 3% of A				2,731.47
C	Sub Total (C=A+B)				93,780.34
D	Contingency @3% of C				2,813.41
E	T & P 2% of C				1,434.17
F	Transportation @ 7.5% of C				7,033.53
G	Erection Charges for PSC Pole @ 20%				2,632.68
H	Erection Charges of Joist Poles @ 5%				
I	Erection Charges of other @ 10%				5,854.63
J	Sub Total Rs.				113,548.75

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	9	2301.53	20,713.77
23	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	1.125	6648.85	7,479.96
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				31,978.46
	Total Material + Services Cost (J+K)				145,527.21
1	Dismantling of 63 KVA DTR including removal of HT/LT leads earth connections , unloading by crane if required,including all as per estimate and TPCODL specification.	No.	1	1841.32	1,841.32
	Sub Total Rs.				844,443.35
	Cess @1%				8,444.43
	Total Estimated Cost				852,887.78
	Total Estimated Cost in Figures				852,888.00
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)