

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 :- 03 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F TYPE QUARTERS AT RAJNAGAR FIRE STATION IN THE DISTRICT OF KENDRAPADA.****BID REF NO :- 47/PM/ELECT/OPHWC/2023-24**

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	Upgradation of 25 KVA S/S to 63 KVA 11/0.4 KV DP mounted S/S .				
1	Top channel GI 100x50x6 mm (9.56 kg/Mtr.,2 Nos.)Each channel length 3000 mm Long	Kg	57.36	76.00	4359.36
2	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	97.50	386.57
3	MU Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	42.84	76.00	3255.84
4	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
5	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
6	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
7	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
8	Cantilever suport channel 75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	76.00	879.32
9	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	76.00	877.04
10	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	76.00	4359.36
11	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	76.00	748.60
12	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	76.00	2052.00
13	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	76.00	396.72
14	LTDB Mounting Angle 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x1x4.5 Kg)	Kg	9	76.00	684.00

15	50x6mm GI Flat for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For L.A and 2.5 Mtr for raising, 11 Mtr. For AB Switch ,2.8 Mtr. for HG Fuse, 5x2 Mtr. For DTR neutral,(13-4.5)mtr. For DTR Body, 0.500 Mtr. For LTDB & AB switch operating handle, 3 Mtr. for fencing.)	Kg	154.816	97.50	15094.56
16	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	112450.00	112450.00
17	LT Distrubution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 63 KVA S/S.	No	1	23818.60	23818.60
18	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
19	4Cx95 sq. mm LT XLPE cable(Armoured)	Mtr	15	479.61	7194.15
20	11 KV AB switch (200 Amp, 3 pole,50 Hz)	Set	1	9555.00	9555.00
21	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
22	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
23	11 KV Disc insulator polymer type 70 KN	No	3	1495.00	4485.00
24	11 KV H/W fitting polymer type	Pair	3	455.00	1365.00
25	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
26	11 KV Pin Insulator polymer type	No	3	260.00	780.00
27	HT Stay Set (Complete)	Set	2	1365.00	2730.00
28	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	162.50	325.00
29	HT Stay Insulator, Type-C	No.	2	65.00	130.00
30	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	97.50	2925.00
31	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
32	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
33	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
34	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
35	Danger plate	Kg	2	104.00	208.00
36	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
37	Name Plate	No	1	104.00	104.00
38	Yellow colour paint for Background	Ltr	2	216.00	432.00
39	Black colour paint for numbering	Ltr	1	286.00	286.00
A	A. Sub total				248,649.65
B	B. Stock, Storage & Insurance @ 3% of A				7,459.49
C	Sub Total (C=A+B)				256,109.14
D	T&P @ 2% of C				4,651.28
E	Contigency @ 3% of C				7,683.27
F	Transportation @ 7.5% of C				19,208.19
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				5,791.18
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				11,674.03
J	Total				305,117.09
40	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cum	1.125	6500.00	7312.50

41	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
42	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
43	LT DB Plinth	No	1	3000.00	3,000.00
44	DTR Plinth	No	1	25000.00	25,000.00
45	Laying of 4Cx95 sq. mm LT XLPE cable	Mtr	1	46.80	50.00
46	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
					119,762.50
	Sub total Rs				424,879.59
II	Construction of LT Line using 3x50+1x35 sq. mm LT AB Cable- -0.09 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	3	3900.00	11,700.00
2	LT stay set complete	Set	1	676.00	676.00
3	7/12 SWG GI stay wire, Grade-2	Kg	12	97.50	1,170.00
4	LT stay clamp	Pair	1	143.00	143.00
5	LT stay set Insulator	No	1	39.00	39.00
6	LT Accessories with Eye Hook and Clamp				
7	Pole Clamp for Eye Hook for XLPE Areial bunched cable	Pair	4	260.00	1,040.00
8	Eye Hook for XLPE Areial Bunched Cable	No	2	78.00	156.00
9	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25-70 sqmm)	No	2	84.50	169.00
10	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	2	442.00	884.00
11	3x50+1x35 sq. mm LT Aerial Bunched Cable	Mtr	94.5	169.00	15,970.50
12	Insulated Piercing connector ,Type-A main 50-150 sq. mm & Tap-50 to 150 sq. mm	No	1	113.08	113.08
13	Pipe Earthing(each 5 th Pole to Earth)	No	1	1365.00	1,365.00
14	Coil Earthing	No	2	215.80	431.60
15	No-8 GI wire (Dia-4.6mm)	Kg	0.786	97.50	76.64
16	Danger plate (LT)	No	3	104.00	312.00
17	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	97.5	87.75
18	GI barbed wire/Anticlimbing device 3 kg per support	Kg	9	104	936.00
19	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	97.5	351.98
20	GI Nut, Bolt & washers of different sizes(0.5 Kg/pole)	Kg	1.5	101.40	152.10
21	Yellow colour paint for Background	Ltr	6	216.00	1,296.00
22	Black paint	Ltr	3	286.00	858.00
A	TOTAL MATERIAL COST				37,927.64

B	Stock, Storage & Insurance @ 3% of A	1,137.83
C	Sub Total (C=A+B)	39,065.47
D	Contingency @3% of C	1,171.96
E	T & P 2% of C	739.00
F	Transportation @ 7.5% of C	2,929.91
G	Erection Charges for PSC Pole @ 20%	2,410.20
H	Erection Charges of DTR and Joist Poles @ 5%	
I	Erection Charges of other @ 10%	2,352.00
J	Sub Total Rs.	48,668.54
Civil and Services Works (As per Technical Specification)		
23	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 1 2250 2250
24	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr 1.125 6500.00 7,312.50
25	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 3700.00 3,700.00
K	Total Services Cost	13,262.50
	Total Material + Services Cost (J+K)	61,931.04
	Dismantling of 25 Kva 11/0.4 KV Transformer and accessories	EA 1 3446.42 3,446.42
	Total Estimated Cost	490,257.05
	Total Estimated Cost in Figures	490,257.00
EXCESS	☐ LESS ☐ (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/-
Asst. Project Manager (Elect) (Hqr)**

**Sd/-
Project Manager(Elect.)**