

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 :- 08 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F TYPE QUARTERS AT KONARK POLICE STATION, PURI IN THE DISTRICT OF PURI.****BID REF NO :- 04/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	INSTALLATION OF 100 KVA S/S.				
1	WPB GI Pole 160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
2	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	76.00	4359.36
3	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	97.50	386.57
4	Double Pole Belting Channel 75x40x4.8 mm ,7.14 Kg/Mtr., each channel length 3.0 Mtr.,2 Nos. required	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 channel75x40x4.8 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	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
11	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
12	100 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	152100.00	152100.00
13	LT Distrubution Box with MCCB, Aluminim Busbar of 2 Bay with kit kat Fuse for 100 KVA S/S.	No	1	31744.70	31744.70
14	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
15	1 Cx 150 sq. mm LT XLPE cable(Un Armoured)	Mtr	15	824.01	12360.15
16	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
17	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
18	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
19	11 KV Disc insulator polymer type 70 KN	No	3	1495.00	4485.00

20	11 KV H/W fitting polymer type	Pair	3	455.00	1365.00
21	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
22	11 KV Pin Insulator polymer type	No	3	260.00	780.00
23	HT Stay Set (Complete)	Set	2	1365.00	2730.00
24	HT Stay Insulator	No.	2	65.00	130.00
25	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	162.50	325.00
26	7/10 SWG Stay Wire	KG	30	97.50	2925.00
27	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
28	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
29	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
30	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
31	Danger plate	Kg	2	104.00	208.00
32	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
33	Name Plate	No	1	104.00	104.00
	Structure Numbering and marking				
34	Yellow colour paint for Background	Ltr	2	216.00	432.00
35	Black colour paint for numbering	Ltr	1	286.00	286.00
36	DT Meter with all Accessories	No	1	34320.00	34320.00
A	A. Sub total				3,84,220.65
B	B. Stock, Storage & Insurance @ 3% of A				11,526.62
C	Sub Total (C=A+B)				3,95,747.27
D	T&P @ 2% of C				7,337.64
E	Contingency @ 3% of C				11,872.42
F	Transportation @ 7.5% of C				29,681.04
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				10,888.23
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				14,911.71
J	Total				4,70,438.31
45	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6500.00	5,850.00
46	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6500	1,469.00
47	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
48	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
49	Laying of 1Cx400 sq.mm LT XLPE cable	Mtr.	15	72.00	1,080.00
50	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
51	DTR Plinth	No	1	25000.00	25,000.00
					1,17,799.00

				Sub total Rs	5,88,237.31
III	Construction of LT Line using 4C×50 mm² (P)+1C×50 mm²(M)+1CX50 mm²(Street Light) (LT AB Cable)-0.18 Km.				
1	9 Mtr. long 300 Kg. PSC Pole	No	6	3900.00	23,400.00
2	LT Stay set Complete	Set	2	676.00	1,352.00
3	7/12 SWG GI stay wire, Grade -2	Kg	24	97.50	2,340.00
4	LT stay Clamp (1.40Kg/pair)	Pair	2	143.00	286.00
5	LT Stay insulator	No	2	39.00	78.00
	LT Accessories with Eye Hook and Clamp				
6	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	8	260.00	2,080.00
7	EYE hook for XLPE Aerial bunched Cable	No	8	78.00	624.00
8	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	4	84.50	338.00
9	Suspension Clamp with EYE hook for ABC	No	4	442.00	1,768.00
10	4C×50 mm ² (P)+1C×50 mm ² (M)+1CX16 mm ² (Street Light) (LT AB Cable)	Mtr	189	226.00	42,714.00
11	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	4	113.08	452.32
12	Pipe Earthing (each 5th pole to earth)	No	1	1365.00	1,365.00
13	Coil Earthing	No	5	215.8	1079.00
14	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	1.572	97.5	153.27
15	Danger plate (LT)	Kg	6	104	624.00
16	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	Kg	1.81	97.50	176.48
17	GI barbed wire anticlimbing device 3 Kg. Per support	Ltr	18	104.00	1,872.00
18	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	Kg	7.22	97.50	703.95
19	GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)	Kg	3	101.40	304.20
20	Black Paint	Ltr.	6	286.00	1,716.00
21	Yellow Colour Paint for Background	Ltr	12	216.00	2,592.00
A	TOTAL MATERIAL COST				86,018.22
B	Stock, Storage & Insurance @ 3% of A				2,580.55
C	Sub Total (C=A+B)				88,598.76
D	Contingency @3% of C				2,657.96
E	T & P 2% of C				1,716.00
F	Transportation @ 7.5% of C				6,644.91
G	Erection Charges for PSC Pole @ 20%				4,820.40
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				5,891.28
J	Sub Total Rs.				1,10,329.31
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	2	2250	4500

23	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	2.25	6500.00	14,625.00
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	3700.00	3,700.00
K	Total Services Cost				22,825.00
	Total Material + Services Cost (J+K)				1,33,154.31
1	Labour Charges for Dismantling of 63 KVA, 11/0.4 KV DP mounted S/S	EA	1	4794.3	4,794.30
	Sub Total Rs.				7,26,185.92
	Cess @1%				7,261.86
	Total Estimated Cost				7,33,447.78
	Total Estimated Cost in Figures				7,33,448.00
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/-
DM (Elect) I/C

Sd/-
Project Manager(Elect.)