

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 :- 04 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F TYPE QTRS. AT GOP FIRE STATION IN THE DISTRICT OF PURI.****BID REF NO :- 66/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	INSTALLATION OF 63 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
2	Top channel GI 100x50x6 mm (9.56 kg/Mtr.,2 Nos.)Each channel length 3000 mm Long	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	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 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., (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
12	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	112450.00	112450.00

13	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
14	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
15	4Cx95 sq. mm LT XLPE cable	Mtr	15	479.61	7194.15
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	6	260.00	1560.00
23	HT Stay Set (Complete)	Set	2	1365.00	2730.00
24	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	162.50	325.00
25	HT Stay Insulator	No.	2	65.00	130.00
26	7/10 SWG Stay Wire , 15 Kg/stay	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
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				332,259.13
B	B. Stock, Storage & Insurance @ 3% of A				9,967.77
C	Sub Total (C=A+B)				342,226.91
D	T&P @ 2% of C				6,373.44
E	Contigency @ 3% of C				10,266.81
F	Transportation @ 7.5% of C				25,667.02
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				8,846.26
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				14,175.66
J	Total				407,556.09
37	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6500.00	5850.00
38	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.113 Cu. Mtr.	Cum	0.226	6500.00	1469.00

39	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
40	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
41	Laying of 4Cx35 sq. mm LT XLPE cable	Mtr	15	46.80	702.00
42	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
43	DTR Plinth	No	1	25000.00	25,000.00
					117,421.00
				Sub total Rs	524,977.09
II	Construction of LT Line using 4x35+1x35+1X16 sq. mm LT AB Cable- -0.13 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	4	3900.00	15,600.00
2	LT stay set complete	Set	5	676.00	3,380.00
3	7/12 SWG GI stay wire, Grade-2	Kg	60	97.50	5,850.00
4	LT stay clamp	Pair	5	143.00	715.00
5	LT stay set Insulator	No	5	39.00	195.00
6	LT Accessories with Eye Hook and Clamp				
7	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	7	260.00	1,820.00
8	Eye Hook for XLPE Aerial Bunched Cable	No	4	78.00	312.00
9	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	4	84.50	338.00
10	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	3	442.00	1,326.00
11	4 Cx35(P)+1Cx35(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	136.5	169.00	23,068.50
12	Insulated Piercing connector ,Type-B main 25-150 sq. mm & Tap-6 to 35 sq. mm	No	3	62.13	186.39
13	Pipe Earthing(each 5 th Pole to Earth)	No	1	1365.00	1,365.00
14	Coil Earthing	No	3	215.80	647.40
15	No-8 GI wire (Dia-4.6mm)	Kg	1.048	97.50	102.18
16	Danger plate (LT)	No	4	104.00	416.00
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	1.2	97.5	117.00
18	GI barbed wire/Anticlimbing device 3 kg per support	Kg	12	104	1248.00
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	4.81	97.5	468.98
20	GI Nut, Bolt & washers of different sizes	Kg	2	101.40	202.80
21	Yellow colour paint for Background	Ltr	8	216.00	1,728.00
22	Black paint	Ltr	4	286.00	1,144.00

A	TOTAL MATERIAL COST				60,230.25
B	Stock, Storage & Insurance @ 3% of A				1,806.91
C	Sub Total (C=A+B)				62,037.15
D	Contingency @3% of C				1,861.11
E	T & P 2% of C				1,003.76
F	Transportation @ 7.5% of C				4,652.79
G	Erection Charges for PSC Pole @ 20%				3,213.60
H	Erection Charges of Joist Poles @ 5%				
I	Erection Charges of other @ 10%				3,411.98
J	Sub Total Rs.				76,180.39
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	5	2250	11250.00
24	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	1.5	6500.00	9,750.00
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				24,700.00
Total Material + Services Cost (J+K)					100,880.39
	Labour charges for Dismantling of lines & S/S with all accessories	Job	1	3800	3,800.00
	Total Estimated Cost				629,657.48
	Total Estimated Cost in Figures				629,657.00
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/-
Asst. Project Manager (Elect) (Hqr)

Sd/-
Project Manager (Elect.)