

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 :- 07 AS PER IFB					
NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F TYPE QTRS. AT MAHAKALPADA FIRE STATION IN THE DIST. OF KENDRAPADA .					
BID REF NO :- 11/PM/ELECT/OPHWC/2023-24					
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	Upgradation of 25 KVA S/S to 63 KVA S/S OVER EXISTING STRUCTURE.				
1	Pole Clamp	No	14	99.20	1388.80
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	93.00	368.73
4	MU Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	0	76.00	0.00
5	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
6	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
7	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
8	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
9	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
10	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	76.00	877.04
11	Transformer base GI channel 100x50x6 mm channel(3000 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg	57.36	76.00	4359.36
12	Transformer base suport channel 100x50x6 mm GI channel(515 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg	9.8467	76.00	748.35
13	Transformer Belting angle 50x50x6 mm GI (3000 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	27	76.00	2052.00
14	Transformer Belting Support angle 50x50x6 mm GI 580 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	5.22	76.00	396.72
15	LT DB mounting angle 50x50x6 mm GI (1000 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	9	76.00	684.00
16	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	93.00	14397.33
17	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	107260.00	107260.00

18	LT Distrubution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 63 KVA S/S.	No	1	22719.28	22719.28
19	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
20	4Cx95 sq. mm LT XLPE cable	Mtr	15	479.61	7194.15
21	11 KV AB switch (200 Amp, 3 pole)	Set	1	9114.00	9114.00
22	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7588.80	7588.80
23	PG Clamp for 55 sq. mm AAAC	No	6	595.20	3571.20
24	11 KV Disc insulator polymer type 70 KN	No	0	1426.00	0.00
25	11 KV H/W fitting polymer type	Pair	0	434.00	0.00
26	11 KV LA (12KV,10 KA)station class-2	No	3	4402.00	13206.00
27	11 KV Pin Insulator polymer type	No	0	248.00	0.00
28	HT Stay Set (Complete)	Set	0	1302.00	0.00
29	HT Stay Insulator	No.	0	62.00	0.00
30	HT Stay Clamp(1.95 K.g/Pair)	Pair	0	155.00	0.00
31	7/10 SWG Stay Wire	KG	0	93.00	0.00
32	GI Pipe for earthing 40mm dia 3mtr long	No	4	1302.00	5208.00
33	GI Nut, Bolt & washers of different sizes	Kg	20	96.72	1934.40
34	GI barbed wire/Anticlimbing device	No	6	99.20	595.20
35	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	93.00	223.87
36	Danger plate	Kg	2	99.20	198.40
37	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	93.00	55.97
38	Name Plate	No	1	99.20	99.20
39	Structure Numbering and marking				
40	Yellow colour paint for Background	Ltr	2	272.80	545.60
41	Black colour paint for numbering	Ltr	1	272.80	272.80
A	A. Sub total				2,20,514.03
B	B. Stock, Storage & Insurance @ 3% of A				6,615.42
C	Sub Total (C=A+B)				2,27,129.45
D	T&P @ 2% of C				4,542.59
E	Contingency @ 3% of C				6,813.88
F	Transportation @ 7.5% of C				17,034.71
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				5,523.89
H	Erection Charges @ 10% for other materials				11,128.78
I	Total				2,72,173.30
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	4	3700.00	14,800.00
43	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
					68,800.00
	Sub total Rs				3,40,973.30
II	Construction of LT Line using 3x50+1x35 sq. mm LT AB Cable- -0.28 Km.				
1	9 Mtr Long 300 KG PSC Pole(2 Nos. stud pole)	No	10	3720.00	37,200.00
2	LT stay set complete	Set	5	644.80	3,224.00

3	7/12 SWG GI stay wire, Grade-2	Kg	60	93.00	5,580.00
4	LT stay clamp	Pair	5	136.40	682.00
5	LT stay set Insulator	No	5	37.20	186.00
6	LT Accessories with Eye Hook and Clamp				
7	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	15	248.00	3,720.00
8	Eye Hook for XLPE Aerial Bunched Cable	No	12	74.40	892.80
9	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	12	80.60	967.20
10	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	3	421.60	1,264.80
11	3x50+1x35 sq. mm LT Aerial Bunched Cable	K.M	0.294	161200.00	47,392.80
12	4 way service Distribution Box with kitkat fuse and aluminium Busbar	No	5	2740.40	13,702.00
13	Insulated Piercing connector ,Type-B main 25-150 sq. mm & Tap-6 to 35 sq. mm	No	20	51.77	1,035.40
12	Pipe Earthing(each 5 th Pole to Earth)	No	1	1302.00	1,302.00
13	Coil Earthing	No	7	205.84	1,440.88
14	No-8 GI wire (Dia-4.6mm)	Kg	2.096	93.00	194.93
15	Danger plate (LT)	No	8	99.20	793.60
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	2.405	93	223.67
17	GI barbed wire/Anticlimbing device 3 kg per support	Kg	24	99.2	2380.80
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	9.63	93	895.59
19	GI Nut, Bolt & washers of different sizes	Kg	7.5	96.72	725.40
22	Yellow colour paint for Background	Ltr	20	272.80	5,456.00
23	Black colour paint for numbering	Ltr	10	272.80	2,728.00
A	TOTAL MATERIAL COST (FOR-2020-21)				1,31,987.86
B	Stock, Storage & Insurance @ 3% of A				3,959.64
C	Sub Total (C=A+B)				1,35,947.50
D	Contingency @3% of C				4,078.42
E	T & P 2% of C				2,718.95
F	Transportation @ 7.5% of C				10,196.06
G	Erection Charges for PSC Pole @ 20%				7,663.20
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				8,632.84
J	Sub Total Rs.				1,69,236.98
Civil and Services Works (As per Technical Specification)					
24	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
25	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	3.75	6500.00	24,375.00

26	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				39,325.00
	Total Material + Services Cost (J+K)				2,08,561.98
III	DISMANTALING OF LT LINE 4 SPAN & 1 NO. SUBSTATION ALONGWITH ALL ACCESSORIES(RETURN TO TPCODL SECTION STORE)DETAIL AS PER DISCOM ESTIMATE	Job	1	2541.62	2,541.62
	Total Rs.				5,52,076.90
	Total Estimated Cost				5,52,076.90
	Total Estimated Cost in Figures				5,52,077.00
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.)