

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.com /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 POLICE STATION BUILDING AT NACHUNI & SDPO OFFICE-CUM-RESIDENCE AT BALUGAON IN THE DIST. OF KHURDA.****BID REF NO :- 44/DGM/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.
IV	Construction of LT Line using 4C×70 mm² (P)+1CX70 mm²(M)+1CX70 mm²(Street Light) (LT AB Cable)-0.35 Km.				
1	9 Mtr. long 300 Kg. PSC Pole	No	13	4080.00	53,040.00
2	LT Stay set Complete	Set	5	707.20	3,536.00
3	7/12 SWG GI stay wire, Grade -2	Kg	60	102.00	6,120.00
4	LT stay Clamp (1.40Kg/pair)	Pair	5	149.60	748.00
5	LT Stay insulator	No	5	40.80	204.00
	LT Accessories with Eye Hook and Clamp				
6	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	16	272.00	4,352.00
7	EYE hook for XLPE Aerial bunched Cable	No	6	81.60	489.60
8	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	6	88.40	530.40
9	Suspension Clamp with EYE hook for ABC	No	10	462.40	4,624.00
10	4C×70 mm ² (P)+1C×70 mm ² (M)+1CX70 mm ² (Street Light) (LT AB Cable)	Mtr	367.5	338.66	124,457.55
11	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	13	113.08	1,470.04
12	Pipe Earthing (each 5th pole to earth)	No	3	1428.00	4,284.00
13	Coil Earthing	No	10	225.76	2257.60
14	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	3.4	102	346.80
15	Danger plate (LT)	Kg	13	108.8	1414.40
16	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	Kg	3.91	102.00	398.82
17	GI barbed wire anticlimbing device 3 Kg. Per support	Ltr	39	108.80	4,243.20

18	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	Kg	15.65	102.00	1,596.30
19	GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)	Kg	6.5	106.08	689.52
20	Black Paint	Ltr.	13	299.20	3,889.60
21	Yellow Colour Paint for Background	Ltr	26	167.46	4,353.96
A	TOTAL MATERIAL COST				223,045.79
B	Stock, Storage & Insurance @ 3% of A				6,691.37
C	Sub Total (C=A+B)				229,737.16
D	Contingency @3% of C				6,892.11
E	T & P 2% of C				4,287.98
F	Transportation @ 7.5% of C				17,230.29
G	Erection Charges for PSC Pole @ 20%				10,926.24
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				15,976.77
J	Sub Total Rs.				285,050.56
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	5	2301.53	11507.65
23	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	4.875	6648.85	32,413.14
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	3	3784.73	11,354.19
K	Total Services Cost				55,274.98
				Total Material + Services Cost (J+K)	340,325.54
II	UPGRADATION OF TRANSFORMER FROM 25 KVA TO 100 KVA WITH RENOVATION OF EXISTING DP.				
1	9 Mtr Long 300 KG PSC Pole(for raising of LT ABC)	No	1	4080.00	4,080.00
2	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	2	272.00	544.00
3	Eye Hook for XLPE Aerial Bunched Cable	No	2	81.60	163.20
4	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable	No	2	88.40	176.80

5	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	102.00	2184.84
6	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	102.00	5850.72
7	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	102.00	404.41
8	MU Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	42.84	102.00	4369.68
9	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	102.00	4369.68
10	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	102.00	682.38
11	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	102.00	582.52
12	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	102.00	4369.68
13	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	102.00	1180.14
14	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	102.00	1177.08
15	Double Pole Belting GI channel 75x40x4.8 mm (3000 mm Long,2 Nos.)(7.14 kg/mtr)	Kg	42.84	102.00	4369.68
16	50x50x6 mm GI Bracing Angle(3.512 Mtr. Long, 2 Nos.)(4.5 kg/mtr,2 Nos.)	Kg	31.61	102.00	3224.22
17	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	102.00	15790.62
18	100 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	193901.46	193901.46
19	LT Distrubution Box with MCCB, Aluminim Busbar of 2-Bay with kit kat Fuse for 100 KVA S/S.	No	1	33209.84	33209.84
20	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
21	4Cx150 sq. mm LT XLPE cable	Mtr	15	803.39	12050.85
22	4Cx150 sq. mm XLPE Insulation Armoured	Mtr	40	803.39	32135.60
23	11 KV AB switch (200 Amp, 3 pole)	Set	1	9996.00	9996.00
24	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	8323.20	8323.20
25	Wedge connector for 55 sq. mm conductor	EA	6	146.20	877.20
26	Polycarbonate Bird Guard	EA	6	20.96	125.76
27	11 KV Disc insulator polymer type 70 KN	No	3	1564.00	4692.00
28	11 KV H/W fitting polymer type	Pair	3	476.00	1428.00
29	11 KV LA (12KV,10 KA)station class-2	No	3	4828.00	14484.00
30	11 KV Pin Insulator polymer type	No	3	272.00	816.00
31	HT Stay Set (Complete)	Set	2	1428.00	2856.00
32	HT Stay Insulator	No.	2	68.00	136.00
33	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	170.00	340.00
34	7/10 SWG Stay Wire	KG	30	102.00	3060.00
35	GI Pipe for earthing 40mm dia 3mtr long	No	7	1428.00	9996.00
36	GI Nut, Bolt & washers of different sizes	Kg	25	106.08	2652.00
37	GI barbed wire/Anticlimbing device	No	6	108.80	652.80

38	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	102.00	245.53
39	Danger plate	Kg	2	108.80	217.60
40	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	102.00	61.38
41	Name Plate	No	1	108.80	108.80
	Structure Numbering and marking				
42	Yellow colour paint for Background	Ltr	2	167.46	334.92
43	Black colour paint for numbering	Ltr	1	299.20	299.20
A	A. Sub total				389,281.80
B	B. Stock, Storage & Insurance @ 3% of A				11,678.45
C	Sub Total (C=A+B)				400,960.25
D	T&P @ 2% of C				6,771.38
E	Contigency @ 3% of C				12,028.81
F	Transportation @ 7.5% of C				30,072.02
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				9,985.93
H	Erection Charges @ 20% on PSC Poles				840.48
I	Erection Charges @ 10% for other materials				13,464.79
J	Total				474,123.66
44	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cu. Mtr	0.9	6648.85	5,983.97
45	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6648.85	1,502.64
46	PCC ratio 1:3:6(M-10 Grade) For DSS Area (5X3X0.1)= 1.5 Cu. mtr.	Cu. Mtr	0.525	5247.48	2,754.93
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	2301.53	4,603.06
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	3784.73	26,493.11
49	DTR Plinth	No	1	28000.00	28,000.00
50	Laying of 4Cx150 sq.mm LT XLPE cable	Mtr.	55	73.65	4,050.75
51	Supply and Erection of GI fencing with Gate	Sq. Mtr.	16	3682.44	58,919.04
52	Supply and erection of GI Pipe of dia. 150mm, Class-B (8Mtr.)	Mtr.	16	1496.91	23,950.56

53	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1500mm) = 0.375Cu.mtr(Per Pole) (For PSC Pole)	Cu. Mtr	0.375	6648.85	2,493.32
54	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.	EA	24	156.50	3,756.00
55	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 50-95sqmm 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.	EA	3	920.61	2,761.83
					165,269.20
				Sub total Rs	639,392.86
III	Dismantling Charges				
1	Dismantling of 25 KVA ,11/0.4 KV Pole mounted DT	EA	1	1534.35	1,534.35
	Total Rs.				1,534.35
	Sub Total Rs.				981,252.75
	Cess @1%				9,812.53
	Total Estimated Cost				991,065.28
	Total Estimated Cost in Figures				991,065.00
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/-
D.M (Elect) I/C

Sd/-
DGM Engg.(Elect.)