

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
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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 2 NOS.6-F TYPE QTRS. AT SOUTHERN RANGE FIRE OFFICE, BERHAMPUR IN THE DIST. OF GANJAM.

BID REF NO.- 75/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. 2023-24	AMOUNT IN RS.
PART-I	3 phase 3W 11 KV line with 80 sq. mm AAAC -0.02 Km.				
1	11 Mtr. Long GI WPB Pole with Base Plate(30.44 Kg)	No	1	34321.52	34,321.52
2	Earthing support coil type GI	No	1	215.80	215.80
3	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1053.00	1,053.00
4	GI Back clamp for 11 KV V Cross Arm	No.	1	104.00	104.00
5	11 KV F clamp 2.9 Kg each	No	1	312.00	312.00
6	11KV Pin Insulator polymer	No.	3	260.00	780.00
7	100x50x6 mm GI channel for straight cross arm,1.45 Mtr.,9.2 Kg/Mtr.(2 Nos.)including tapping point	Kg	25.76	97.50	2,511.60
8	80 sq. mm AAAC	Km	0.062	55900.00	3,465.80
9	Disc insulator 90 KN (B&S) Polymer	No.	3	1495.00	4,485.00
10	11 KV HW fitting (B&S)3 bolted	No	3	456.30	1,368.90
11	PG clamp for 80 sq. mm AAAC	No	3	689.00	2,067.00
12	HT stay set complete	No.	1	1365.00	1,365.00
13	11KV stay insulator	No.	1	65.00	65.00
14	7/10 SWG stay wire, Grade-2	Kg	10	97.50	975.00
15	HT stay clamp (1.9 Kg/Pair)	pair	1	162.50	162.50
16	GI Nuts and Bolts of assorted size	Kg	3	101.40	304.20
17	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	3	104.00	312.00
18	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.41	97.50	234.98
19	Danger Board	No	4	104.00	416.00
20	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6	97.50	58.50

21	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	2000.00	2,000.00
	TOTAL RS.				56,577.80
PART-II	Installation of 250 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long WPB Pole with base Plate (30.44 Kg/mtr)	No	2	34321.52	68,643.04
2	Earthing support coil type GI	No	2	215.80	431.60
3	Top Pressure Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	97.50	5,023.20
4	AB switch mounting channel(100x50x6)mm,(9.2 Kg/mtr)	K.g	51.52	97.50	5,023.20
5	HG fuse mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	38.08	97.50	3,712.80
6	Channel for cantilever arrangement 50x50x6mm. . (4.5 kg./mtr.)	Kg.	13.6	97.50	1,326.00
7	Angle for cantilever arrangement 50x50x6mm (4.5 kg./mtr.)	Kg.	13.5	97.50	1,316.25
8	Channel for DP bracing 100x50x6 mm-(9.2 Kg/mtr) GI	K.g	51.52	97.50	5,023.20
9	DP Bracing angle 50x50x6 mm ,7 Mtr.(4.45 Kg/Mtr.GI	Kg.	31.5	97.50	3,071.25
10	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	K.g	13.5	97.50	1,316.25
11	11KV AB switch(3 pole,400 Amp,50Hz)	Set	1	15405.00	15,405.00
12	11KV HG fuse (3 pole,400 Amp)with PI	Set	1	14989.00	14,989.00
13	9KV 5KA LA, Station class	No.	3	1274.00	3,822.00
14	Disc insulator 90 KN (B&S) Polymer	No.	3	1495.00	4,485.00
15	11 KV HW fitting (B&S)3 bolted	No	3	456.30	1,368.90
16	11KV Pin Insulator polymer	No.	0	260.00	-
17	HT stay set complete	No.	4	1365.00	5,460.00
18	11KV stay insulator	No.	4	65.00	260.00
19	7/10 SWG stay wire, Grade-2	Kg	40	97.50	3,900.00
20	HT stay clamp (1.9 Kg/Pair)	pair	4	162.50	650.00
21	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1365.00	9,555.00
22	25x4 mm GI flat(for S/S earthing)	Kg	30	97.50	2,925.00
23	25x6 mm GI flat(for neutral earthing of 63 KVA S/S	Kg	20	97.50	1,950.00
24	LT Distribution Box with MCCB, Aluminium Bus Bar for 6 bay with Kitkat fuse for 250 KVA S/S .	No	1	62400.00	62,400.00
25	250 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	348985.00	348,985.00
26	GI Nuts and Bolts of assorted size	Kg	35	101.40	3,549.00
27	80 sq. mm AAAC for jumpering	Km	0.05	55900.00	2,795.00
28	1 core 300 sq. mm LT XLPE cable(armoured)	Mtr.	32	496.60	15,891.20

29	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
30	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	4.81	97.50	468.98
31	Danger Board	No.	2	104.00	208.00
32	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.2	97.50	117.00
33	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	2000.00	2,000.00
	TOTAL RS.				596,694.87
PART-III	Construction of LT 3ph 5 W line using 3x95+1x70+1x16 sqmm XLPE AB Cable=0.6 Km				
1	116x100 mm GI Joist Pole 9 Mtr. Long (23 Kg/Mtr.)	No	1	20182.5	20,182.50
2	9 Mtr Long 300 KG PSC Pole	No	18	3900.00	70,200.00
3	8 Mtr Long 200 KG PSC Pole as stud pole	No	4	2600.00	10,400.00
4	Stud clamp	No	4	162.50	650.00
5	GI Base plate (500x500x10)mm for support,20 Kg each	No	23	1950.00	44,850.00
6	Earthing support coil type GI	No	19	215.80	4,100.20
7	3x95+1x70+1x16 sqmm XLPE AB Cable	Km	0.63	315900.00	199,017.00
8	Pole clamp for eye Hook for AB cable	pair	26	260.00	6,760.00
9	Dead end clamp	No	14	84.50	1,183.00
10	Eye hook	No	14	78.00	1,092.00
11	Suspension clamp with I Hook	pair	12	442.00	5,304.00
12	L.T Stay set (Complete)	Set	1	676.00	676.00
13	L.T Stay Insulator	No.	1	39.00	39.00
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	1	143.00	143.00
15	7/12 SWG Stay Wire	Kg	8	97.50	780.00
16	GI Nuts Bolts and washers	Kg	25	101.40	2,535.00
17	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	57	104.00	5,928.00
18	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	45.74	97.50	4,459.65
19	Danger Board	No.	19	104.00	1,976.00
20	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	11.43	97.50	1,114.43
21	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	3000.00	3,000.00
					384,389.78
	A.Sub Total Rs.				1,037,662.44
B	Stock,storage and insurance (@3% on A)				31,129.87
C	TOTAL RS.				1,068,792.31
D	T&P @ 2% of C				21,375.85
E	Contingency @ 3% of C				32,063.77
F	Transportation @ 7.5% of C				80,159.42

G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				90,866.23
H	TOTAL RS.				1,293,257.58
22	Cement Concrete material for stay anchor plate 0.5 cum CC 1:3:6 size(900x600x900mm) by using 40 mm BHG metal with all Labour and material.	Nos.	10	1270.00	12,700.00
23	Cement Concreting for support with C.C. 1:3:6 by using 4 cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	18	1270.00	22,860.00
24	Cement Concreting for support with C.C. 1:3:6 by using 4 cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum+Couping with C.C .1:3:6 using 12 mm size HBG metal= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	4	1460.00	5,840.00
25	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11,200.00
26	Brick work with F.P.s bricks of class designation 75 in foundation and plinth in Cement mortar 1:6(1 cement: 6 coarse sand) etc as per the TPSODL specification including supply of all materials with Locking arrangement 9for 14 running meter)	No	1.00	150,000.00	150,000.00
27	Filling Sand	Ls	1.00	587.00	587.00
28	40 mm size HBG metal	Ls	1.00	667.00	667.00
29	Plinth Height 2.1 Mtr. From ground Level with CC as per PWD code for mounting Distribution Transformer	No	1.00	21,270.00	21,270.00
	Sub Total Rs.			Total Rs.	1,518,381.58
	Cess @1%				15,183.82
	Total Estimated Cost				1,533,565.39
	Total Estimated Cost in Figures				1,533,565.00
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.)**