

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 :- 19 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO RFSL BUILDING AT BERHAMPUR IN THE DIST. OF GANJAM.

BID REF NO.- 30/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.
PART-I	Installation of 500 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)mm WPB Pole including base plate	No	2	34321.52	68643.04
2	Earthing Device coil type GI	No	2	225.76	451.52
3	Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
4	AB switch GI mounting channel(100x50x6)mm,(9.2 Kg/mtr)	K.g	51.52	102.00	5255.04
5	HG fuse GI mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	38.08	102.00	3884.16
6	Channel for Cantilever arrangement 75x40x6mm.(6.8kg./mtr.)GI	Kg.	13.6	102.00	1387.20
7	Angle for Cantilever arrangement ,50x50x6mm (4.5 kg./mtr.)	Kg.	13.5	102.00	1377.00
8	DP Bracing Channel 100x50x6 mm channel (9.2K.g/mtr)	K.g	103.04	102.00	10510.08
9	DP Bracing Angle 50x50x6 mm, 7 Mtr. (4.45 K.g/mtr)	K.g	31.5	102.00	3213.00
10	GI angle for mounting LT Distribution Box 50x50x6 mm Angle, 4.5 Kg/Mtr. .	K.g	13.5	102.00	1377.00
11	11KV AB switch(3 pole,400 Amp,50Hz)	Set	1	16116.00	16116.00
12	11KV HG fuse (3 pole,400 Amp)with PI	Set	1	15680.00	15680.00
13	Disc insulator 90 KN (B&S) Polymer	No.	3	1564.00	4692.00
14	11 KV HW fitting (T&C)90 KN	No	3	477.36	1432.08
15	9KV 5KA LA, Station class	No.	3	1332.80	3998.40
16	HT stay set complete	No.	4	1428.00	5712.00
17	11KV stay insulator	No.	4	68.00	272.00

18	7/10 SWG stay wire, Grade-2	Kg	40	102.00	4080.00
19	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
20	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1428.00	9996.00
21	25x6 mm GI flat for Neutral earthing	Kg	24	102.00	2448.00
22	25x4 mm GI flat for Substation earthing	Kg	50	102.00	5100.00
23	LT Distribution Box with MCCB, Aluminium Bus Bar for 6 bay with Kitkat fuse for 500 KVA S/S .	No	1	132409.60	132409.60
24	500 KVA 11/0.4 KV (CU) Transformer with tap changer BIS Energy Level-II	No	1	788800.00	788800.00
25	GI Nuts and Bolts of assorted size	Kg	25	106.08	2652.00
26	80 sq. mm AAAC for jumpering	Km	0.05	58480.00	2924.00
27	1 core 400 sq. mm LT XLPE cable(Armoured)	Mtr.	32	651.44	20846.08
28	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
29	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	102.00	245.51
30	Danger Board	No.	2	108.80	217.60
31	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.2	102.00	122.40
32	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	2000.00	2000.00
	A.Sub Total Rs.				11,22,429.55
B	Stock,storage and insurance (@3% on A)				33672.89
C	TOTAL RS.				1156102.44
D	T&P @ 2% of C				23122.05
E	Contingency @ 3% of C				34683.07
F	Transportation @ 7.5% of C				86707.68
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				71451.93
H	TOTAL RS.				1372067.18
33	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	4	1235.58	4942.32
34	Concreting of 11 Mtr. Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	2	2880.00	5760.00
35	Couping with C.C 1:1:5:3,0.1125 cum @6400	Nos.	2	720.00	1440.00
36	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00

37	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)as per TPSODL specification.scope includes supply of all materials with locking arrangement(for 14 RM)	No	1	150000.00	150000.00
38	Civil cost for making Tfr. Plinth from upto 1000 KVA .BA has to provide necessary civil material manpower,machinery for construction of plinth as per standard drawing and specification of TPSODL.	Ls	1	32,181.60	32181.60
				Total Rs.	2,05,523.92
	Total Rs.				15,77,591.10
PART-II	3 phase 3W 11 KV line with 3 C 50 sq. mm XLPE Cable-0.02 Km(double circuit)				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)with Base Plate	No	1	34321.00	34321.00
2	9 Mtr Long (100x116)mm GI Joist Pole(23 Kg/mtr)for stud pole	No	1	21114.00	21114.00
3	Clamp for stud Pole	No	1	272.00	272.00
4	Earthing support coil type	No	1	225.76	225.76
5	GI Base plate (500x500x10 mm)@20 Kg/pc	No	1	2040.00	2040.00
6	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1101.60	1101.60
7	11 KV F clamp 2.9 Kg each	No	1	326.40	326.40
8	GI Back clamp for 11 KV V Cross Arm	No.	1	108.80	108.80
9	11 Kv pin insulator Polymer	No	3	272.00	816.00
10	3Cx50 sq. mm 11 KV XLPE cable(armoured)A2XFY	Mtr.	42	552.16	23190.72
11	Heat Shrinkable jointing kit for 3Cx50 sq. mm 11 KV XLPE cable(out door type)	No.	4	14890.64	59562.56
12	GI pipe earthing 40 mm dia medium gauge(3.25 mm thickness)3 Mtr. Long	No	2	1428.00	2856.00
13	Dead end clamp	No	4	88.40	353.60
14	Eye Hook for XLPE cable	No	4	81.60	326.40
15	Pole clamp for eye Hook for XLPE cable	pair	4	272.00	1088.00
16	XLPE Cable clamp to hold support wire	No.	42	24.22	1017.24
17	7/12 GI stay wire for supporting cable	Kg	12.24	102.00	1248.48
18	9 KV 5 KA 11 KV Lightning Arrester	No	3	1332.80	3998.40
19	25x4 mm GI flat for LA	Kg	10	102.00	1020.00
20	75x40x6 mm Channel for LA	Kg	13.8	102.00	1407.60
21	GI Nuts and Bolts of assorted size	Kg	3	106.08	318.24
22	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	3	108.80	326.40
23	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	1.2	102.00	122.40
24	Danger Board	No	1	108.80	108.80
25	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6	102.00	61.20
26	Sundries (Aluminium binding tape ,paint, insulating tape,binding tape etc.	LS	1	1000.00	1000.00

					158331.60
PART-III	3 phase 3W 11 KV line with 55 sq. mm AAA conductor-0.02 Km				
1	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 2 Nos,0.2 Mtr. Long 2 Nos. including tapping point.	Kg	25.76	102.00	2627.52
2	55 sq. mm AAAC	Km	0.062	40800.00	2529.60
3	Disc insulator 90 KN (B&S) Polymer	No.	6	1564.00	9384.00
4	11 KV HW fitting B&S)3 Bolted	No	6	477.36	2864.16
5	PG clamp	No	6	720.80	4324.80
6	11 Kv pin insulator Polymer	No	3	272.00	816.00
7	GI Nuts and Bolts of assorted size	Kg	3	106.08	318.24
8	Sundries (clamp connectors,paint,binding tape etc.	LS	1	1000.00	1000.00
					23864.32
	A.Sub Total Rs.				1,82,195.92
B	Stock,storage and insurance (@3% on A)				5465.88
C	TOTAL RS.				187661.80
D	T&P @ 2% of C				3753.24
E	Contingency @ 3% of C				5629.85
F	Transportation @ 7.5% of C				14074.63
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				15911.25
H	TOTAL RS.				227030.77
21	Concreting of Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	1	2880.00	2880.00
30	Couping with C.C 1:1:5:3,0.1125 cum @6400	Nos.	1	720.00	720.00
24	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	2	1600.00	3200.00
25	Dismantling charges of HT Line	Span	1	500.00	500.00
				Total Rs.	7,300.00
	Total Rs.				2,34,330.77
PART-IV	Service connection				
1	Metering unit mounting channel 100x50x6 mm GI channel each 2.8 Mtr. Long 2 Nos.@9.2 Kg/Mtr.	Kg	51.52	102.00	5,255.04
2	GI Nuts and Bolts of assorted size	Kg	5	106.08	530.40
3	GI pipe earthing 40 mm dia medium gauge(3.25 mm thickness)3 Mtr. Long	No	1	1428.00	1428.00
4	25x6 mm GI flat @1.2 Kg/mtr.	Kg	15	102.00	1530.00
5	Sundries	Ls	1	1000.00	1000.00
	A.Sub Total Rs.				9,743.44
B	Stock,storage and insurance (@3% on A)				292.30
C	TOTAL RS.				10035.74
D	T&P @ 2% of C				200.71
E	Contingency @ 3% of C				301.07
F	Transportation @ 7.5% of C				752.68

G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				1003.57
H	TOTAL RS.				12293.79
	Sub Total Rs.				18,24,215.65
	Cess @ 1%				18,242.16
	Total Estimated Cost				18,42,457.81
	Total Estimated Cost in Figures				18,42,458.00
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.)