

**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 :- 01 AS PER IFB

NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO ANWEWSHA HOSTEL BUILDING AT RAIGHAR IN THE DISTRICT OF NABARANGPUR.

BID REF NO :- 47/JM/ELECT/OPHWC/2020-21

NAME & ADDRESS OF THE FIRM	
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SCOPE OF WORKS

Sl. No.	Description of work	Unit	Qty.
[A]	63 KVA 11/0.4KV double pole mounted sub station .	NO	1
[A]	3Ph3W 11KV line with 55 sq.mm AAA conductor	KM	0.93 (15 span)
[C]	Construction of 3 ph 5 wire LT line over 8 mtr Long PSC Pole with (3x50+1x35+1x16) sq.mm AB cable.	KM	0.82 (23 span)
[D]	Boundary Arrangement on Substation (Drawing, Design & Specification will be provided by the Engineer-in-Charge)	NO	1

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
SCOPE-A	Installation of 63KVA 11/0.4KV DP mounted sub station - 1 No.				
1	9 mtr long 300Kg PSC pole	No.	2	3000.00	6,000.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.	Kg.	51.52	65.00	3,348.80
3	Transformer mounting Channel 100x50x6mm. 2.8mtr. Long 2nos. (9.2kg./mtr.)	Kg.	51.52	65.00	3,348.80
4	A/B switch & H.G fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)	Kg.	76.16	65.00	4,950.40
5	Cantilever Channel for supporting H.G fuse 75x40x6mm.1 mtr.Long 2 Nos	Kg.	13.6	65.00	884.00
6	Cantilever Channel for supporting H.G fuse 50x50x6mm.1 mtr.Long 2 Nos	Kg.	9	65.00	585.00
7	Cantilever Angle for supporting A.B switch & H.G fuse 50x50x6mm.2mtr Each, 2Nos	Kg.	18.00	65.00	1,170.00

8	Transformer belting 50x50x6mm.angel-2.8mtr.Long, 2Nos.(4.5Kg./mtr.)with side angel (Total 7 mtrs)	Kg.	31.5	65.00	2,047.50
9	Angel for mounting L.T Distribution box 35x35x5mm.-1 mtr.Long,2Nos.	Kg.	22.5	65.00	1,462.50
10	11 KV Disc insulator (T & C)	No.	3	290.00	870.00
11	11 KV Hard ware fittings (T & C)	No.	3	130.00	390.00
12	11KV AB switch 3 pole(200 Amp)	Set	1	7350.00	7,350.00
13	11KV HG fuse 3 pole(200 Amp)	Set	1	6120.00	6,120.00
14	12KV 10KA LA	No.	3	1000.00	3,000.00
15	100x50x6mm channel for distribution fuse control	Kg	35.88	65.00	2,332.20
16	11 KV GI Pin	No.	8	80.00	640.00
17	11 KV GI Pin Insulator	No.	8	80.00	640.00
18	HT stay set (Complete)	No.	2	1050.00	2,100.00
19	11 KV stay Insulator	No.	2	50.00	100.00
20	Side Stay clamp	No.	2	125.00	250.00
21	7/10 SWG GI Saty wire	Kg	20	75.00	1,500.00
22	GI Pipe earthing 40 mm Dia Medium gauge 2.5 mtrs long	No.	3	1050.00	3,150.00
23	Earthing support Coil Type	No.	3	166.00	498.00
24	NO.6 GI Wire for earthing	Kg	20	75.00	1,500.00
25	MS Nuts , Bolts and washers	Kg	36	71.00	2,556.00
26	11/0.4 Kv,63 KVA Transformer(BIS EEL-2 Star-1 rated)	No.	1	86500.00	86,500.00
27	3.5 core 150 sq. mm PVC Cable	Mtr.	15	504.00	7,560.00
28	Concrete material for stay anchor plate with CC foundation 1:3:6 size using 40mm BHG metal+couping	Nos.	2	1219.39	2,438.78
29	Padding and concreting material for support using 40mm BHG metal+Couping	Nos.	2	443.10	886.20
30	Materials for earthing including Massionary work for earth Pit, Charcoal, Salt and cement plate cover	No.	3	1597.15	4,791.45
31	RCC Base plate for support	No.	2	320.81	641.62
32	25x6 GI Flat	Kg	20	75.00	1,500.00
33	Fencing size 8'x12' with 10 nos RCC piller and 3 Ply GI barbed wire & grill gate & locking arrangement	LS	0	8440.63	-
	Total				161,111.25
SCOPE-B	Construction of 3 ph 3 wire 11 KV line using 9 mtr. Long 300 KG PSC Pole -0.93 Km				
1	11 kv v cross Arm	No.	13	810.00	10,530.00
2	Back clamp for V cross arm	No	13	80.00	1,040.00
3	Top Bracket	No.	13	240.00	3,120.00
4	11 KV Pin insulator polymer	No	39	200.00	7,800.00
5	11 KV GI Pin	No	0	80.00	-

6	11 KV Disc insulator (T & C)	No.	15	290.00	4,350.00
7	11 KV Hard wire fittings (T & C)	No.	15	130.00	1,950.00
8	100x50x6mm MS channel (1.2 mtrs.x 2 nos)	Kg	66.24	65.00	4,305.60
9	HT Stay Set complete	Set	5	1050.00	5,250.00
10	HT stay insulator	No.	5	50.00	250.00
11	Stay Clamp	Pair	5	125.00	625.00
12	7/10 SWG GI Stay Wire	Kg	50	75.00	3,750.00
13	MS Nut,Bolt & Washers	Kg	10	71.00	710.00
14	55 sq. mm AAA conductor	Km	2.79	30000.00	83,700.00
15	11KV AB switch 3 pole(200 Amp)	Set	0	11850.00	-
16	Cement Concreting of stay Anchor plate C.C 1:3:6 size by using 4 cm size hard granite metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	5	1219.39	6,096.95
17	9 mtr. Long 300 KG PSC Pole	No.	15	3000.00	45,000.00
18	RCC Base plate for support	No.	15	320.81	4,812.15
19	Earthing coil	No.	15	166.00	2,490.00
20	Padding and concreting material for support using 40mm BHG metal	No.	0	443.10	-
21	concreting of cut point	No.	2	1219.39	2,438.78
22	NO.6 GI Wire for earthing	Kg	0	75.00	-
23	Sundries (Paint,Danger Board,Aluminium binding tape,insulating tape,Anticlimbing device,clamp connector,jumpering materials,socket & other cable accessories etc)	LS	1	500.00	500.00
	Total				188,718.48
SCOPE-C	Construction of 3 Ph 5 W LT Line with 3x50+1x35+1x16 sq.mm AB Cable over 8 Mtr. Long 200 KG PSC pole .-0.82 Km				
1	8 Mtr. Long 200 KG psc pole	No	23	2000.00	46,000.00
2	Base plate for support	No	23	280.00	6,440.00
3	Earthing Device Coil Type (GI)	No	23	166.00	3,818.00
4	Pole Clamp for I Hook	No	23	200.00	4,600.00
5	Dead end clamp I hook	No.	6	65.00	390.00
6	Suspension Clamp With I Hook	No.	17	340.00	5,780.00
7	L.T Stay set	Set	12	520.00	6,240.00
8	L.T Stay Insulator	No.	12	30.00	360.00
9	L.T Stay Clamp(1.4 K.g/Pair)	Pair	12	110.00	1,320.00
10	7/12 SWG Stay Wire	Kg	60	75.00	4,500.00
11	Nuts and bolts(Assorted size)	Kg	10	71.00	710.00
12	LT Line with (3x50+1x35+1x16) sq. mm)AB Cable	Mtr.	0.83	140000.00	116,200.00
13	Concrete material for stay anchor plate with CC foundation 1:3:6 size using 40mm BHG metal+couping	Nos.	12	1270.00	15,240.00

14	Sundries (Paint, Danger Board, Aluminium binding tape, insulating tape, Anticlimbing device, clamp connector, jumpering materials, socket & other cable accessories etc)	LS	1	1000.00	1,000.00
	Total				212,598.00
A	TOTAL MATERIAL COST(A+B+C) IN RS.				562,427.73
B	Stock, storage and insurance (@3% on A)				16,872.83
C	TOTAL RS.				579,300.56
D	T&P @ 2% of C				11,586.01
E	Contingency @ 3% of C				17,379.02
F	Transportation @ 7.5% of C				43,447.54
G	Erection Charges for PSC Pole @ 20%			99910.00	19,982.00
H	Erection Charges of DTR and Joist Poles @ 5%			89095.00	4,454.75
I	Erection Charges of other @ 10%			390295.56	39,029.56
	Total				715,179.44
SCOPE-D	Boundary wall for substation with gate arrangement				50,000.00
	Total Estimated Cost				765,179.44
	Or Say				765,179.00
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 @12%.

Signature of Tenderer with seal

**Sd/-
A.P.M (Elect)**

**Sd/-
A.P.M (Elect) (Hqr)**

**Sd/-
Joint Manager(Elect)**