

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 JAGDALPUR OUT POST IN THE DISTRICT OF RAYAGADA.

BID REF NO.- 31/PM/ELECT/OPHWC/2023-24

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 -0.15 Km				
1	9 Mtr Long 300 KG PSC Pole(Stud Pole)	No	3	3900.00	11700.00
2	11 KV F clamp 2.9 Kg each	No	2	312.00	624.00
3	11 KV 'V' cross arm(10.2 Kg each)	No.	2	1053.00	2106.00
4	GI Back clamp for 11 KV V Cross Arm	No.	2	104.00	208.00
5	Disc insulator 45 KN (T&C) Polymer	No.	9	1118.00	10062.00
6	11 KV HW fitting (T&C)45 KN	No	9	169.00	1521.00
7	11KV Pin Insulator polymer	No.	12	260.00	3120.00
8	100x50x6 mm GI channel for straight cross arm (including tapping point)	Kg	80.04	84.50	6763.38
9	HT stay set complete	No.	3	1365.00	4095.00
10	11KV stay insulator	No.	3	65.00	195.00
11	7/10 SWG stay wire, Grade-2	Kg	30	97.50	2925.00
12	HT stay clamp (1.9 Kg/Pair)	pair	3	162.50	487.50
13	Earthing support coil type	No	3	215.80	647.40
14	55 sq. mm AAAC	Km	0.46	39000.00	17940.00
15	GI Nuts and Bolts of assorted size	Kg	6	101.40	608.40
16	GI barbed wire (Anti climbing device @ 3 Kg per support)	K.g	9	104.00	936.00
17	Danger Board	No	3	104.00	312.00
18	50x50x6 mm GI Angle 1.5 ft Long , 02 Nos.(Appr. 2 Mtr. Per pole)for providing support for Anticlimbing device @4.5 Kg/Mtr.	Kg	27	97.50	2632.50
19	100x50x6 mm channel 1.5 Mtrs. Long, 4Nos.,for providing support for guarding at 1 No. of Road crossing.	Kg	55.2	97.50	5382.00
20	8 SWG GI Wire(Dia 4.6 mm) for cross lacing 12 Kg for each Road crossing	Kg	12	97.50	1170.00
21	40 mm Nominal bore GI Pipe Medium gauge earthing device 3 mtrs long	No	2	1365.00	2730.00
22	Eye Hook	No	4	74.40	297.60

23	GI Flat (25x6)mm @ 1.2 Kg/Mtr. 1 Nos. at both sides of Road crossing Guarding	Kg	30	97.50	2925.00
24	Sundries	LS	1	1000.00	1000.00
	A.Sub Total Rs.				80,387.78
B	Stock,storage and insurance (@3% on A)				2411.63
C	TOTAL RS.				82799.41
D	T&P @ 2% of C				1655.99
E	Contingency @ 3% of C				2483.98
F	Transportation @ 7.5% of C				6209.96
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				9485.04
H	TOTAL RS.				102634.38
25	Cement concrete for stay/stud anchor plate CC foundation 1:3:6 size by using 4 cm size HBG metal = 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037cum(HT Line)	Nos.	3	1270.00	3810.00
26	Cement Concreting of support with C.C. 1:3:6 by using 4cm size Hard Granite 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.	3	1460.00	4380.00
27	Material for earthing including massonary work for eathpit, charcoal,salt & Cement plate cover etc.	Nos.	2	1600.00	3200.00
	Total Rs(PART-I)				114024.38
PART-III	Installation of 25 KVA 11/0.4KV sub station - 1 No.				
1	9 Mtr Long 300 KG PSC Pole	No	2	3900.00	7800.00
2	Top Pressure Channel 100x50x6mm channel each 2.8 mtr long(9.2K.g/mtr)GI	K.g	51.52	97.50	5023.20
3	Transformer mounting Channel 100x50x6mm channel 2.8 mtr long,2 Nos.(9.2K.g/mtr)GI	K.g	51.52	97.50	5023.20
4	AB switch &HG fuse mounting channel(75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.2	97.50	7429.50
5	Transformer belting 50x50x6 mm Angle 4.5 Kg/Mtr. With Galvanising 3.5 Mtr. Long 2 Nos.	K.g	31.5	97.50	3071.25
6	Angle for mounting LT Distribution Box (50x50x6)mm 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	13.5	97.50	1316.25
7	11KV AB switch 3 pole(200 Amp)	Set	1	9555.00	9555.00
8	11KV HG fuse 3 pole(200 Amp)	Set	1	7956.00	7956.00
9	9KV 10KA LA, Station class	No.	3	1300.00	3900.00
10	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00

11	11 KV HW fitting (T&C)45 KN	No	3	169.00	507.00
12	HT stay set (Complete)	No.	4	1365.00	5460.00
13	7/10 SWG GI Saty wire, Grade-2	Kg	40	97.50	3900.00
14	stay Insulator	No.	4	65.00	260.00
15	Stay clamp(1.9 Kg/pair)	pair	4	162.50	650.00
16	40 mm Nominal bore GI Pipe Medium gauge earthing device 3 mtrs long	No	5	1365.00	6825.00
17	GI Flat 25x6 mm	Kg	50	97.50	4875.00
18	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 25 KVA S/S .	No	1	19409.00	19409.00
19	25 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	69940.00	69940.00
20	GI Nuts and Bolts of assorted size	Kg	25	101.40	2535.00
21	55 sq. mm AAAC for jumpering	Km	0.05	39000.00	1950.00
22	1 C x95 sq. mm XLPE Cable	Mtr.	60	191.10	11466.00
23	Earthing support coil type	No	2	215.80	431.60
24	Danger Board	No	1	104.00	104.00
25	Anticlimbing Device/ Barbed wire (@ 3 Kg per support)	Kg	6	104.00	624.00
26	50x50x6 mm GI Angle1.5 ft Long , 02 Nos.(Appr. 2 Mtr. Per pole)for providing support for Anticlimbing device @4.5 Kg/Mtr.	Kg	18	97.50	1755.00
27	Sundries	LS	1	2000.00	2000.00
	A.Sub Total Rs.				1,87,120.00
B	Stock,storage and insurance (@3% on A)				5613.60
C	TOTAL RS.				192733.60
D	T&P @ 2% of C				3854.67
E	Contingency @ 3% of C				5782.01
F	Transportation @ 7.5% of C				14455.02
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				16474.85
H	TOTAL RS.				233300.15
28	Cement Concrete for stay anchor plate CC 1:3:6 using 4 cm size Hard granite metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	4	1270.00	5080.00
29	Cement Concreting for support with C.C. 1:3:6 by using 4cm size Hard granite 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.	2	1460.00	2920.00
30	Couping material for support/Pole	Nos.	2	190.00	380.00
31	Materials for massonary work for eathpit, charcoal,salt & RCC cover etc.	No	5	1600.00	8000.00

32	MS grill gate 1.5 mtr (h) x 1.5 mtr (w) made of 35x35x6 mm MS angel and 25x6 mm flat (Angel for out side border with horizontal & vertical crossing for i) 35x35x6 mm MS Angel= 1.5 mtr x 4=6@3 Kg/mtr=18 Kg. ii) 25x6 mm flat=1.5 mtrx8x2=24 mtr @ 1.2 Kg/Mtr=28 Kg iii) Painting of gate with 2coat.	No	1	4552.80	4552.80
33	Brick Boundary wall for Fencing of 5' height with 9" wall for area 8ftx12ft	No	1.00	40,000.00	40000.00
34	Filling sand@431.60/Cmt for (8ftx12ftx1/2ft)=48 cft= 1.359 Cmt	No	1.00	587.00	587.00
35	40 mm size HBG metal @ Rs.981.36/cmt for (8ftx12ftx1/4ft)=24 cft=0.679 cmt	No	1.00	667.00	667.00
				Total Rs.	62,186.80
	Total Rs.				2,95,486.95
	Total Estimated Cost				4,09,511.33
	Total Estimated Cost in Figures				4,09,511.00
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.)