

PRICE BID FOR THE WORK UNDER SL. NO :- 04 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO POLICE STATION BUILDING AT ANANTAPUR IN THE DIST. OF BALASORE.

BID REF NO :- 54/PM/ELECT/OPHWC/2024-25

NAME & ADDRESS OF THE FIRM	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2018-19	AMOUNT IN RS.
SCOPE [A]	Conversion of 33 KV Line (232 sq. mm AAAC TO 232 sq. mm OH HT Cable)-0.1 Km				
1	150x150 mm 11 Mtr. Long GI Joist Pole	No.	1	28545.00	28,545.00
2	11 K.V. V cross arm	No.	1	810.00	810.00
3	11 KV F clamp	No.	1	240.00	240.00
4	Back clamp for V cross arm	No.	1	80.00	80.00
5	11 KV Pin Insulator polymer	No.	3	200.00	600.00
6	11 KV T&C Hardware (45KN)	set	3	130.00	390.00
7	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2,580.00
8	HT Stay set complete	Set	1	1050.00	1,050.00
9	7/10 SWG Stay wire	Kg	10	75.00	750.00
10	HT Stay Insulator	No.	1	50.00	50.00
11	HT stay clamp	Pair	1	125.00	125.00
12	11 KV 3 Core ,70 sq. mm XLPE Aerial bunched cable	Mtr.	200.000	423.73	84,746.00
13	Heat shrinkable jointing kit for 3Cx70 sq. mm 11 KV XLPE cable(outdoor type)	No	4	10949.00	43,796.00
14	232 sq. mm AAA Covered conductor	Km	0.309	277118.64	85,629.66
15	100X50X6mm GI Channel(each 2.8 Mtr. Long (9.2 Kg/mtr.,2 Nos)with side angle	Kg	50	75.00	3,750.00
16	75X40X6mm GI Channel(each 2.8 Mtr. Long (6.8 Kg/mtr.,2 Nos)with side angle	Kg	50	75.00	3,750.00
17	Road cross Guarding	No	2	12000.00	24,000.00
18	PG Clamp for 55 sq. mm AAA Conductor	Nos	3	480.00	1,440.00
19	Black Paint	No	1	220.00	220.00
20	Danger Plate	No	1	80.00	80.00

21	Earthing support coil type	No	1	166.00	166.00
22	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	2	80.00	160.00
23	GI nut,bolt & washer	Kg	5	78.00	390.00
24	Sundries	LS	1	3000.00	3,000.00
25	TOTAL MATERIAL COST				2,86,347.66
26	Escalation @6%for 2019-20				3,03,528.52
27	Escalation @6%for 2020-21				3,21,740.23
28	Escalation @6%for 2021-22				3,41,044.64
29	Escalation @6%for 2022-23				3,61,507.32
30	Escalation @6%for 2023-24				3,83,197.76
A	Escalation @6%for 2024-25				4,06,189.63
B	Stock, Storage & Insurance @ 3% of A				12,185.69
C	Sub Total (C=A+B)				4,18,375.32
D	Contingency @3% of C				12,551.26
E	T & P 2% of C				8,367.51
F	Transportation @ 7.5% of C				31,378.15
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				2,085.32
I	Erection Charges of other @ 10%				4,725.85
J	Sub Total				4,77,483.40
31	Material cost for Concreting of Joist pole 1.8 Mtrx0.5 Mtr.x0.5 Mtr=0.34 cum(PCC 1:3:6)	No	1	2893.81	2,893.81
32	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	1	965.00	965.00
33	BA will excavate the cable trench length by providing all necessary tools manpower pump etc. suitable for LT & HT cable Laying.	M3	40	606.78	24,271.20
34	Backfill the cable excavation site with same earth .BA will provide necessary tools machinery and man power for the activity.	M3	20	175.11	3,502.20
					31,632.21
	Total Rs.				5,09,115.61
SCOPE [B]	Construction of 25 KVA (BIS energy Level-II) sub station -1 No.				
1	150x150 mm 11 Mtr. Long GI joist Pole	No.	2	28545.00	57,090.00
2	11 KV Pin Insulator polymer	No.	3	200.00	600.00
3	11 KV T&C Hardware (45KN)	set	3	130.00	390.00
4	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2,580.00
5	PG Clamp for 100 sq. mm AAA Conductor	No	3	580.00	1,740.00
6	Pressure channel 100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	104	75.00	7,800.00

7	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	52	75.00	3,900.00
8	AB switch & HG Fuse Mounting channel 75x40x6 mm each 2.8 Mtr. Long ,4 nos.(6.8 Kg/Mtr.)	Kg	76.16	75.00	5,712.00
9	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	55.2	75.00	4,140.00
10	11 KV 3 pole 200 A AB switch	Set	1	7350.00	7,350.00
11	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6,120.00
12	Lightning arrester ,12 KV- 10KA	No	3	1000.00	3,000.00
13	100 sq. mm All Alloy Aluminium Conductor	Km	0.04	55000.00	2,200.00
14	LT distribution Box with MCCB,Aluminium Bus bar of single-bay with kit-kat fuse for 25 KVA Transformer	No.	1	17617.40	17,617.40
15	25 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	53800.00	53,800.00
16	3.5 Core ,120 sq. LT PVC Cable(un armoured)	Mtr.	15	418.00	6,270.00
17	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5,250.00
18	Earthing material	Ls	5	1890.00	9,450.00
19	HT Stay set complete	Set	2	1050.00	2,100.00
20	7/10 SWG Stay wire	Kg	20	75.00	1,500.00
21	HT Stay Insulator	No.	2	50.00	100.00
22	HT stay clamp	Pair	2	125.00	250.00
23	25x5 mm GI flat for neutral earthing	Kg	30	75.00	2,250.00
24	All. Cable socket (35 sq. mm)	No	30	52.00	1,560.00
25	GI nut,bolt & washer	Kg	20	78.00	1,560.00
26	Danger Board	No	2	80.00	160.00
27	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
28	Black Paint	Ltr.	0.5	220.00	110.00
29	GI Base plate (500x500x10 mm) for PSC Pole 20 Kg	No	2	1500.00	3,000.00
30	Sundries	LS	1	2000.00	2,000.00
31	TOTAL MATERIAL COST				2,09,919.40
32	Escalation @6%for 2019-20				2,22,514.56
33	Escalation @6%for 2020-21				2,35,865.44
34	Escalation @6%for 2021-22				2,50,017.36
35	Escalation @6%for 2022-23				2,65,018.41
36	Escalation @6%for 2023-24				2,80,919.51
A	Escalation @6%for 2024-25				2,97,774.68
B	Stock, Storage & Insurance @ 3% of A				8,933.24

C	Sub Total (C=A+B)				3,06,707.92
D	Contingency @3% of C				9,201.24
E	T & P 2% of C				6,134.16
F	Transportation @ 7.5% of C				23,003.09
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				8,100.00
I	Erection Charges of other @ 10%				14,468.93
J	Sub Total				3,67,615.34
37	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	2	2893.81	5,787.62
38	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	2	965.00	1,930.00
39	Barbed Fencing with Grill gate ,metal and Sand.	Ls	1	35000.00	35,000.00
					4,10,332.96
III	LT LINE				
1	9 mtr Long 300 KG PSC Pole	No.	5	3000.00	15,000.00
3	Dead end clamp	No.	2	65.00	130.00
4	Suspension clamp with I hook	No.	4	340.00	1,360.00
5	Pole clamp with I hook(ABC)	Pair	4	200.00	800.00
6	Insulated piercing connector.Type-A-main 16 to 95 sq.mm & Tap-16 to 95 sq.mm	No	3	80.00	240.00
7	Neutral connector.Type-B-main 35 to 70 sq.mm & Tap-2.5 to 10 sq.mm service cable over by black weather resistant insulation cover	No	3	33.00	99.00
8	LT Stay set complete	Set	2	520.00	1,040.00
9	7/12 SWG GI stay wire	Kg	20	75.00	1,500.00
10	LT stay insulator	No.	2	110.00	220.00
11	LT stay clamp	No.	2	30.00	60.00
12	Earthing support coil type	No.	5	166.00	830.00
13	GI nut,bolt of assorted size	Kg	20	78.00	1,560.00
14	Sundries for survey, tree cutting , insulated tape, mceal compound etc.	Ls	1	3000.00	3,000.00
15	Total Rs.				25,839.00
16	Escalation @6%for 2019-20				27,389.34
17	Escalation @6%for 2020-21				29,032.70
18	Escalation @6%for 2021-22				30,774.66
19	Escalation @6%for 2022-23				32,621.14
20	Escalation @6%for 2023-24				34,578.41
21	Escalation @6%for 2024-25				36,653.12
22	4x50+1x50+1x16 sq. mm LT XLPE Cable	Km	0.2	215084.80	43,016.96
A	Sub Total Rs.				79,670.08
B	Stock, Storage & Insurance @ 3% of A				2,390.10

C	Sub Total (C=A+B)				82,060.18
D	Contingency @3% of C				2,461.81
E	T & P 2% of C				1,641.20
F	Transportation @ 7.5% of C				6,154.51
G	Erection Charges for PSC Pole @ 20%				4,383.22
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				9,448.78
J	Sub Total				1,06,149.70
23	Material cost for Concreting of RS Joist Pole 1.8 Mtrx0.45 Mtr.x0.45 Mtr=0.36 cum(PCC 1:3:6)@6500	No	5	1560.00	7,800.00
24	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:2:4)@4320	No	2	965.00	1,930.00
	Total Rs.				1,15,879.70
	Sub Total Rs.				10,35,328.27
	Cess @1%				10,353.28
	Total Estimated Cost				10,45,681.56
	Total Estimated Cost in Figures				10,45,682.00
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)

Sd/-
Project Manager (Elect.)