

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 :- 05 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO POLICE STATION BUIDING AT CHHATRAPUR IN THE DISTRICT OF GANJAM.

BID REF NO.- 41/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	Installation of 63 KVA 11/0.4KV sub station - 1 No.				
1	9 Mtr. Long 300 KG PSC Pole	No	2	3900.00	7800.00
2	Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
3	Transformer mounting Channel 100x50x6mm channel 2.8 mtr long,2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
4	AB switch &HG fuse mounting channel(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	97.50	7425.60
5	Cantilever Channel for supporting HG Fuse 75x40x6mm. MS 1 mtr. Long 2 Nos. (6.8kg./mtr.)with Galvanisation	Kg.	13.6	97.50	1326.00
6	Cantilever angle for supporting HG Fuse 50x50x6mm 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)with Galvanisation	Kg.	9	97.50	877.50
7	Angel for cantilever arrangement for AB switch and HG Fuse 50x50x6mm 2 Mtr. Longx2 Nos.(4.5Kg./mtr)	Kg.	18	97.50	1755.00
8	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	13.5	97.50	1316.25
9	11KV Disc insulatorT & C,45 KN Polymer	No.	3	1118.00	3354.00
10	11KV H.W Fittings T&C 45KN	No.	3	169.00	507.00
11	11KV AB switch 3 pole(200 Amp)	Set	1	9555.00	9555.00
12	11KV HG fuse 3 pole(200 Amp)	Set	1	7956.00	7956.00
13	11 KV LA(9 KV, 5 KA)	No.	3	1274.00	3822.00

14	LT Distribution box with MCCB, Aluminium Bus bar of single bay Kitkat Fuse for 63 KVA S/S	No	1	23818.60	23818.60
15	HT stay set (Complete)	No.	2	1365.00	2730.00
16	stay Insulator, Type-C	No.	2	65.00	130.00
17	Stay clamp	pair	2	162.50	325.00
18	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1950.00
19	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	5	1365.00	6825.00
20	Materials for earthing including massonary work for eathpit, charcoal,salt & RCC cover etc.	No	5	1500.00	7500.00
21	Earthing coil for support	No	2	215.80	431.60
22	No. 6 GI wire for earthing	Kg	25	97.50	2437.50
23	25x6 mm GI flat for body and neutral earthing	Kg	40	97.50	3900.00
24	GI nut,bolt & washers	Kg	40	101.40	4056.00
25	63 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II	No.	1	112450.00	112450.00
26	150 sq. mm 1 core LT PVC cable(Armoured)	Mtr.	28	273.00	7644.00
27	Danger board	No	2	104.00	208.00
28	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	97.50	58.68
29	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
30	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	97.50	58.68
31	RCC Base plate for support	No	2	340.00	680.00
32	Sundries (Paint, Danger Board, Al. Binding Tape & wire Insulating Tape, Anticlimbing Device,clamp connector, jumpering materials, socket & other accessories etc.)	LS	1	3500.00	3500.00
	A.Sub Total Rs.				235067.80
B	Stock,storage and insurance (@3% on A)				7052.03
C	TOTAL RS.				242119.84
D	T&P @ 2% of C				4842.40
E	Contigency @ 3% of C				7263.60
F	Transportation @ 7.5% of C				18158.99
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				19224.21
H	TOTAL RS.				291609.02
33	Cement Concreting for support with C.C. 1:3:6 by using 40 mm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	2	1270.00	2540.00
34	Couping with C.C. 1:3:6 by using 12 mm size hard broken granite chips= 0.3Mtr.x 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	2	193.00	386.00

35	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.	2	1270.00	2540.00
36	Brick Boundary wall for Fencing of 5' height with 9" wall for area 8ftx12ft	No	1.00	40,000.00	40000.00
37	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
38	Filling sand@431.60/Cmt for (8ftx12ftx1/2ft)=48 cft= 1.359 Cmt	No	1.00	587.00	587.00
39	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.				3,42,881.82
PART-II	Shifting of one HT Pole with cantilever arrangement and one span HT Line.				
1	10 Mtr Long 300 KG PSC Pole	No	1	5850.00	5850.00
2	Base Plate	No	1	340.00	340.00
3	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1053.00	1053.00
4	GI Back clamp for 11 KV V Cross Arm	No.	1	104.00	104.00
5	Disc insulator 45 KN (T&C) Polymer	No.	6	1118.00	6708.00
6	11 KV HW fitting (T&C)45 KN	No	6	169.00	1014.00
7	11KV Pin Insulator polymer for jumpering	No.	2	260.00	520.00
8	80 sq. mm AAAC	Km	0.0618	55900.00	3454.62
9	HT stay set complete	No.	2	1365.00	2730.00
10	11KV stay insulator	No.	2	65.00	130.00
11	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
12	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00
13	GI Nuts and Bolts of assorted size	Kg	15	101.40	1521.00
14	100x50x6 mm MS channel for tapping channel(1.2 Mx2 pcs)(9.2 Kg/Mtr.)with galvanisation	Kg	22.08	97.50	2152.80
15	100x50x6 mm MS channel for tapping channel(1Mx3 pcs)(9.2 Kg/Mtr.)with galvanisation for cantilever arrangement	Kg	27.6	97.50	2691.00
16	PG clamp for 80 sq. mm AAAC	No	6	689.00	4134.00
17	Earthing support coil type	No	2	215.80	431.60
18	Danger board	No	2	104.00	208.00
19	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
20	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00

21	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.2	97.50	117.00
22	Sundries (Danger Board, Anticlimbing Device etc.)	LS	1	1500.00	1500.00
	A.Sub Total Rs.				37,675.02
B	Stock,storage and insurance (@3% on A)				1130.25
C	TOTAL RS.				38805.27
D	T&P @ 2% of C				776.11
E	Contigency @ 3% of C				1164.16
F	Transportation @ 7.5% of C				2910.40
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				4483.08
H	TOTAL RS.				48139.01
23	Cement Concreting for support with C.C. 1:3:6 by using 40 mm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	1	1270.00	1270.00
24	Couping with C.C. 1:3:6 by using 12 mm size hard broken granite chips= 0.3Mtr.x 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	1	193.00	193.00
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.	2	1270.00	2540.00
	Total Rs(PART-II)				52142.01
PART-III	Construction of LT 3ph 5 W line using 3x50+1x35 sqmm XLPE AB Cable=0.075 Km				
1	9 Mtr. Long 300 KG PSC Pole	No	3	3900.00	11700.00
2	Base plate	No	3	340.00	1020.00
3	3x50+1x35 sqmm LT XLPE AB Cable	Mtr.	75.00	169.00	12675.00
4	Pole clamp for eye Hook for AB cable	pair	3	260.00	780.00
5	Dead end clamp suitable for XLPE cable	No	2	84.50	169.00
6	Suspension clamp with I Hook	No.	1	442.00	442.00
7	Piercing connector	No.	3	104.00	312.00
8	Neutral connector	No.	3	42.90	128.70
9	Earthing coil for support	No.	3	215.80	647.40
10	L.T Stay set (Complete)	Set	3	676.00	2028.00
11	L.T Stay Insulator	No.	3	39.00	117.00
12	L.T Stay Clamp(1.4 K.g/Pair)	Pair	3	143.00	429.00
13	7/12 SWG Stay Wire	Kg	24	97.50	2340.00
14	GI Nuts and Bolts of assorted size	Kg	3	101.40	304.20
15	Sundries	LS	1	500.00	500.00
	A.Sub Total Rs.				33,592.30
B	Stock,storage and insurance (@3% on A)				1007.77
C	TOTAL RS.				34600.07
D	T&P @ 2% of C				692.00
E	Contigency @ 3% of C				1038.00
F	Transportation @ 7.5% of C				2595.01

G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				4665.11
H	TOTAL RS.				43590.19
16	Couping with C.C. 1:3:6 by using 12 mm size hard broken granite chips= 0.3Mtr.x 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	3	193.00	579.00
17	Cement concrete for stay anchor plate CC foundation 1:3:6 size by using 4 cm size hard granite metal = 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3cum	Nos.	3	1160.00	3480.00
				Total Rs.	47,649.19
PART-IV SERVICE CONNECTION					
1	3.5Cx95 sq. mm LT PVC cable	Mtr.	30	432.90	12987.00
2	No.8 swg 4.06 mm dia GI wire	Kg	3	97.50	292.50
3	Aluminium binding wire	Kg	0.2	546.00	109.20
4	200 Amp Kit kat Fuse	No	3	647.40	1942.20
5	Sundries	No	1	300.00	300.00
	A.Sub Total Rs.				15,630.90
B	Stock,storage and insurance (@3% on A)				468.93
C	TOTAL RS.				16099.83
D	T&P @ 2% of C				322.00
E	Contingency @ 3% of C				482.99
F	Transportation @ 7.5% of C				1207.49
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				1609.98
H	TOTAL RS.				19722.29
	Total Estimated Cost				4,62,395.31
	Total Estimated Cost in Figures				4,62,395.00
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.)