

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 AUTOMATED TESTING STATION AT BOUDH IN THE DISTRICT OF BOUDH.

BID REF NO.-76/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.	AMOUNT IN RS.
	PART-A				
PART-I	3 phase 3W 11 KV line with 55 sq. mm AAAC -0.04 Km alongwith 1 No. Tapping Point				
	3 phase 3W 11 KV line using 3Cx95 sq. mm XLPE cable-0.03 Km				
1	9 Mtr Long 300 KG PSC Pole	No	1	4080.00	4080.00
2	RCC Base Plate	No	1	408.00	408.00
3	Earthing Device coil type GI	No	1	225.76	225.76
4	No.8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr. For connecting pole with coil earthing	Kg	0.262	102.00	26.72
5	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 4 Nos, & 0.2 Mtr. Long 4 Nos.(2 Nos. tapping point)	Kg	25.76	102.00	2627.52
6	11 KV 'V' cross arm(10.2 Kg each)GI	No.	1	1240.32	1240.32
7	GI Back clamp for 11 KV V Cross Arm	No.	1	108.80	108.80
8	11 KV F clamp 2.9 Kg each	No	1	365.84	365.84
9	11 KV Pin insulator Polymer	No	5	272.00	1360.00
10	55 sq. mm AAAC	Km	0.124	40800.00	5059.20
11	PG clamp for 55 sq. mm AAAC	No	3	652.80	1958.40
12	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	2.638	102.00	269.08
13	Disc insulator 70 KN (B&S) Polymer	No.	3	1564.00	4692.00
14	11 KV HW fitting (B&S)2 Bolted	No	3	476.00	1428.00
15	HT stay set complete	No.	1	1428.00	1428.00
16	11KV stay insulator	No.	1	68.00	68.00
17	7/10 SWG stay wire	Kg	10	102.00	1020.00

18	HT stay clamp (1.9 Kg/Pair)	pair	1	170.00	170.00
19	3Cx95 sq. mm 11 KV XLPE cable(Armoured)	Mtr.	31.5	776.56	24461.64
20	Heat Shrinkable jointing kit for 3Cx95 sq. mm 11 KV XLPE cable(out door type)	No.	2	14890.64	29781.28
21	Eye Hook for XLPE Cable	No.	2	81.60	163.20
22	Pole clamp for eye Hook for XLPE cable	No.	2	272.00	544.00
23	XLPE cable clamp to hold support wire	No	32	24.22	775.04
24	7/12 SWG GI wire for supporting of XLPE cable	Kg	9.639	102.00	983.18
25	9 KV 5 KA 11 KV Lightning Arrester	No	3	1360.00	4080.00
26	25x4 mm GI Flat (for LA)	Kg	45	102.00	4590.00
27	GI Nuts, Bolts and washers of assorted size	Kg	10	106.10	1061.00
28	Danger Board	No	1	108.80	108.80
29	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.3	102.00	30.60
30	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	3	108.80	326.40
31	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	3.6108	102.00	368.30
32	Sundries (Paint,Al. binding tape, insulation tape, paint etc.)	LS	1	2000.00	2000.00
					95809.08
PART-II	11 KV MU DP-1 NO.				
1	9 Mtr Long 300 KG PSC Pole	No	2	4080.00	8160.00
2	RCC Base Plate	No	2	408.00	816.00
3	Earthing Device coil type GI	No	2	225.76	451.52
4	Top Pressure Channel 100x50x6 mm GI channel for 2.8 Mtr. Long ,2 Nos. @9.2 Kg/Mtr.	Kg	51.52	102.00	5255.04
5	Metering unit mounting channel 100x50x6 mm GI channel each 2.8 Mtr. Long ,2 Nos.,9.2 Kg/Mtr.	Kg	51.52	102.00	5255.04
6	75x40x6 mm GI channel ,2 Nos.,6.8 Kg/Mtr.	Kg	38.08	102.00	3884.16
7	50x50x6 mm GI Angle for cross Bracing 4 Mtr. Long ,2 Nos., @4.5 Kg/Mtr.	Kg	36.000	102.00	3672.00
8	9 KV 5 KA 11 KV Lightning Arrester	No	3	1360.00	4080.00
9	GI Nuts, Bolts and washers of assorted size	Kg	10	106.08	1060.80
10	40 mm Nominal bore GI pipe(medium Gauge)earthing device 3 Mtr. Long	No.	2	1428.00	2856.00

11	25x6 mm GI flat	Kg	30	102.00	3060.00
12	HT stay set complete	No.	4	1428.00	5712.00
13	11KV stay insulator	No.	4	68.00	272.00
14	7/10 SWG stay wire	Kg	40	102.00	4080.00
15	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
16	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
17	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.41	102.00	245.82
18	Danger Board	No	2	108.80	217.60
19	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
20	Sundries (Paint,Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					51471.98
	A.Sub Total Rs.				147,281.06
B	Stock,storage and insurance (@3% on A)				4418.43
C	TOTAL RS.				151699.49
D	T&P @ 2% of C				3033.99
E	Contigency @ 3% of C				4550.98
F	Transportation @ 7.5% of C				11377.46
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				16430.67
H	TOTAL RS.				187092.60
21	Stay concreting in ratio(1:2:4)as per TPSODL specification and drawing =0.2 cum	Nos.	5	1235.58	6177.90
22	Concreting of Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	3	2400.00	7200.00
23	Couping with C.C 1:1:5:3,0.1125 cum @6400	Nos.	3	720.00	2160.00
24	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	3	1600.00	4800.00
	Sub Total Rs.				207,430.50
PART-III	Installation of 250 KVA 11/0.4KV sub station -1 No.				
1	9 Mtr Long 300 KG PSC Pole	No	2	4080.00	8160.00
2	RCC Base Plate	No	2	408.00	816.00

3	Earthing Device coil type GI	No	2	225.76	451.52
4	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	102.00	53.45
5	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
6	Transformer mounting GI channel(100x50x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	K.g	51.52	102.00	5255.04
7	AB switch &HG fuse mounting GI channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7768.32
8	Cantilever GI Channel for supporting AB Switch Arm,75x40x6mm.-1 Mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	102.00	1387.20
9	Cantilever GI angle for supporting AB Switch 50x50x6mm MS Angle 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	9	102.00	918.00
10	Transformer belting GI Angle(50x50x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	Kg.	31.5	102.00	3213.00
11	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	Kg.	9	102.00	918.00
12	AB switch side support channel 100x50x6 mm ,9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	Kg.	6.44	102.00	656.88
13	Channel support for down pipe 75x40x6 mm ,6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	K.g	5.44	102.00	554.88
14	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3508.80
15	11 KV HW fitting (B&S)45 KN	No	3	353.60	1060.80
16	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	16116.00	16116.00
17	11KV HG fuse 3 pole(400 Amp)with PI	Set	1	15680.80	15680.80
18	11 KV LA(9 KV, 10 KA)	No.	3	1360.00	4080.00
19	HT stay set (Complete)REC Construction standard	No.	4	1428.00	5712.00
20	HT stay Insulator, Type-C	No.	4	68.00	272.00
21	Stay clamp(1.9 Kg/Pair)	pair	4	170.00	680.00
22	7/10 SWG GI Saty wire, grade-2	Kg	40	102.00	4080.00
23	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1428.00	9996.00
24	25x6 mm GI flat(Neutral)	Kg	60	102.00	6120.00
25	25x4 mm GI flat	Kg	10	102.00	1020.00
26	55 sq. mm AAAC for jumpering	Km	0.05	40800.00	2040.00
27	PG clamp for 55 sq. mm AAAC	No.	3	652.80	1958.40

28	GI Nuts, Bolts and washers of assorted size	Kg	25	106.08	2652.00
29	250 KVA, 11/0.4 KV (CU) Transformer with Tap changer BIS Energy Level-II	No	1	601213.06	601213.06
30	LT Distribution box with MCCB, Aluminium Bus bar for 3 bay with Kitkat Fuse for 250 KVA S/S	No	1	65280.00	65280.00
31	240 sq. mm 3.5 core LT PVC Cable(Armoured)	Mtr.	15	1098.88	16483.20
32	Danger Board	No.	2	108.80	217.60
33	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.6018	102.00	61.38
34	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
35	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	2.407	102.00	245.51
36	Sundries (clamp connector, jumpering materials, paint etc.)	LS	1	1000.00	1000.00
A.Sub Total Rs.					795,537.69
B	Stock,storage and insurance (@3% on A)				23866.13
C	TOTAL RS.				819403.82
D	T&P @ 2% of C				16388.08
E	Contingency @ 3% of C				24582.11
F	Transportation @ 7.5% of C				61455.29
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				51818.39
H	TOTAL RS.				973647.68
19	Stay concreting in ratio(1:2:4)as per TPSODL specification and drawing =0.2 cum	Nos.	4	1235.58	4942.32
20	Concreting of Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	2	2400.00	4800.00
22	Couping with C.C 1:1:5:3,0.1125 cum @6400	Nos.	2	748.00	1496.00
23	Plinth for installation of 250 KVA DTR	Nos.	1	32181.60	32181.60
24	Construction of Boundary wall for fencing of DPM S/S in the size 3x3 Mtr. @ 7300.12/RM considering height above ground depth -1.2 mtr. Including the cost of fabrication ,installation of MS Gate(1.5x1.65)(as per TPSODL specification)	Nos.	18	7300.12	131402.16
25	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00

	Sub Total Rs.				1,159,669.76
PART-IV	SERVICE CONNECTION				
1	10 Core 2.5 sq. mm armoured cable2XY	Mtr.	10	448.8	4,488.00
2	Sundries	Ls	1	500	500.00
	A.Sub Total Rs.				4,988.00
B	Stock,storage and insurance (@3% on A)				149.64
C	TOTAL RS.				5137.64
D	T&P @ 2% of C				102.75
E	Contingency @ 3% of C				154.13
F	Transportation @ 7.5% of C				385.32
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				513.76
H	TOTAL RS.				6293.61
	Sub Total Rs.				1,373,393.87
	Cess @ 1%				13,733.94
	Total Estimated Cost				1,387,127.81
	Total Estimated Cost in Figures				1,387,128.00
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)