

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD. JANAPATH, BHOINAGAR, BHUBANESWAR - 22 [Electrical Division] Ph: 0674-2541545, 2542921, Fax: 0674-2541543 E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.com /www.ophwc.nic.in					
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 (ATS) AT R.T.O, NABARANGPUR.					
BID REF NO.-41/PM/ELECT/OPHWC/2025-26					
NAME & ADDRESS OF THE FIRM					
SCHEDULE OF WORKS					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-I					
A	3 phase 3W 11 KV line using 3 Core 50 sq. mm 11 KV XLPE Cable -0.060 Km				
1	3Cx50 sq. mm 11 KV XLPE cable(armoured(A2XFY)	Mtr.	60	576.52	34,591.02
2	Heat Shrinkable jointing kit for 3Cx50 sq. mm 11 KV XLPE cable(out door type)	No.	4	15,547.58	62,190.31
3	7/12 SWG Stay Wire for supporting XLPE cable	Kg	28.36	106.50	3,020.34
4	Pole clamp for eye Hook for XLPE cable	pair	4	284.00	1,136.00
5	Eye Hook for XLPE cable	No	4	85.20	340.81
6	Dead end clamp	No	4	92.30	369.19
7	Straight cross arm channel of 100x50x6 mm ,9.2 Kg/Mtr., each channel Length of 1.3 mtr.,GI	Kg	23.92	106.50	2,547.48
8	11 KV LA(12 KV, 10 KA),Station class	No.	3	5,041.36	15,124.07
9	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	2	1,491.00	2,982.00
10	25x4 mm GI flat for earthing	Kg	20	106.50	2,130.00
11	GI Nuts & Bolts	Kg	8	110.76	886.10
12	Fish Plate for supporting LA	Kg	1.63	106.50	173.60
13	Sundries (Binding tapes & others etc.)	LS	1	1,000.00	1,000.00
					126,490.91
	A.Sub Total Rs.				126,490.91
B	Stock,storage and insurance (@3% on A)				3,794.73
C	TOTAL RS.				130,285.63
D	T&P @ 2% of C				2,605.71
E	Contingency @ 3% of C				3,908.57

F	Transportation @ 7.5% of C				9,771.42
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				13,028.56
H	TOTAL RS.				159,599.90
14	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	2	1,600.00	3,200.00
	Sub Total Rs.				162,799.90
B	3 phase 3W 11 KV line with 80 sq. mm AAAC -0.15 Km				
1	13 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)welded base plate	No	4	40,427.20	161,708.81
2	Earthing Device coil type GI	No	4	235.72	942.88
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	1.000	106.50	106.50
4	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1,150.20	1,150.20
5	11 KV F clamp 2.9 Kg each	No	1	340.80	340.80
6	GI Back clamp for 11 KV V Cross Arm	No.	1	113.60	113.60
7	Top Bracket 100x50x6 mm MS channel(2 Kg each)	Kg	1	213.00	213.00
8	Disc Insulator (B&S) 70 KN Polymer	Nos.	18	1,633.00	29,394.00
9	HW fitting (B&S) 70 KN 3 bolted	Nos.	18	497.00	8,946.00
10	11KV Pin Insulator polymer	No.	12	284.00	3,408.00
11	55 sq. mm AAAC	Km	0.46	42,600.00	19,745.10
12	PG clamp	Nos.	18	752.60	13,546.83
13	100x50x6 mm channel for straight cross arm 1.2 Mtr. Long for Bottom Channel & 0.206 Mtr. Long for Top Channel	Kg	77.61	106.50	8,265.47
14	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	103.04	106.50	10,973.76
15	Double pole Belting Channel 75x40x4.8 mm GI 2.8 Mtr. Long ,4 nos.(@6.8 Kg/Mtr.)	K.g	76.16	106.50	8,111.04
16	Cross Bracing Angle 50x50x6 mm GI 3.5 Mtr. Long ,4 nos.(@4.5 Kg/Mtr.)	K.g	63	106.50	6,709.50
17	75x40x6 mm GI channel each 2.8mtr long 4 No(6.8Kg/mtr)for providing support at Road crossing	K.g	76.16	106.50	8,111.04
18	No.6 GI wire (Dia 4.8 mm),40 Kg for 1 No. Guarding	Kg	80	106.50	8,520.00
19	Eye hook	Nos.	8	85.20	681.63
20	8 SWG GI wire for cross lacing & earthing for Guarding Channel	Kg	24	106.50	2,556.00
21	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	4	1,491.00	5,964.00
22	25x6 mm GI flat for earthing	Kg	40	106.50	4,260.00

23	HT stay set (Complete)REC Construction standard	No.	10	1,491.00	14,910.00
24	HT stay Insulator, Type-C	No.	10	71.00	710.00
25	Stay clamp(1.9 Kg/Pair)	pair	10	177.50	1,775.00
26	7/8 SWG GI Saty wire	Kg	100	106.50	10,650.00
27	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for XLPE CABLE & LA.	No	4	1,491.00	5,964.00
28	GI Nuts, Bolts and washers of assorted size	Kg	15	110.76	1,661.44
29	Danger Board	No	4	113.60	454.41
30	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.2	106.50	127.80
31	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	12	113.60	1,363.20
32	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	4.81	106.50	512.27
33	Fish Plate for supporting LA	Kg	1.63	106.50	173.60
34	Sundries	LS	1	1,000.00	1,000.00
					343,069.87
	A.Sub Total Rs.				343,069.87
B	Stock,storage and insurance (@3% on A)				10,292.10
C	TOTAL RS.				353,361.96
D	T&P @ 2% of C				7,067.24
E	Contingency @ 3% of C				10,600.86
F	Transportation @ 7.5% of C				26,502.15
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				27,008.19
H	TOTAL RS.				424,540.40
35	Concreting of Poles in ratio C.C.1:1:5:3 for 13 Mtr. WPB Pole,0.375 Cum	No	4	3,656.88	14,627.53
36	Couping of poles in ratio 1:1:5:3 for pole 0.1125 Cum	No	4	748.00	2,992.00
37	Stay concreting for stud pole / stay anchor plate in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	10	1,329.77	13,297.70
38	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	4	1,600.00	6,400.00
	Sub Total Rs.				461,857.62
C	11 KV Metering Unit DP -1 No.				
1	11 Mtr Long (160x160)mm WPB GI Pole(30.44 Kg/mtr)welded base plate	No	2	34,321.95	68,643.90
2	Earthing Device coil type GI	No	2	235.72	471.44

3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	106.50	55.81
4	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	106.50	5,486.88
5	Metering unit GI Channel 100x50x6mm 2.8 Mtr. Long ,2 nos.(@9.2 Kg/Mtr.)	K.g	51.52	106.50	5,486.88
6	Supporting Channel for Metering unit mounting channel 100x50x6 mm ,0.5 Mtr. Long ,4 Nos.(9.2 Kg/mtr.)	K.g	18.4	106.50	1,959.60
7	Double Pole Belting GI channel(75x40x4.8)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	K.g	38.08	106.50	4,055.52
8	Cross Bracing GI Angle of 50x50x6mm.-3.5 Mtr. Long 2 Nos.(4.5 kg./mtr.)	Kg.	31.5	106.50	3,354.75
9	Disc Insulator (B&S) 70 KN Polymer	Nos.	3	1,633.00	4,899.00
10	HW fitting (B&S) 70 KN 3 bolted	Nos.	3	497.00	1,491.00
11	HT stay set (Complete)REC Construction standard	No.	4	1,491.00	5,964.00
12	HT stay Insulator, Type-C	No.	4	71.00	284.00
13	Stay clamp(1.9 Kg/Pair)	pair	4	177.50	710.00
14	7/8 SWG GI Saty wire	Kg	40	106.50	4,260.00
15	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for DP.	No	5	1,491.00	7,455.00
16	25x6 mm GI flat for earthing	Kg	40	106.50	4,260.00
17	GI Nuts, Bolts and washers of assorted size	Kg	15	110.76	1,661.44
18	Lightning Arrester(12 KV,10 KA)	No	3	5,041.00	15,123.00
19	Danger Board	No	2	113.60	227.20
20	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6	106.50	63.90
21	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
22	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.41	106.50	256.67
23	Fish Plate for supporting LA	Kg	1.63	106.50	173.60
24	Sundries	LS	1	1,500.00	1,500.00
					138,525.18
	A.Sub Total Rs.				138,525.18
B	Stock,storage and insurance (@3% on A)				4,155.76
C	TOTAL RS.				142,680.93
D	T&P @ 2% of C				2,853.62

E	Contingency @ 3% of C				4,280.43
F	Transportation @ 7.5% of C				10,701.07
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				10,732.93
H	TOTAL RS.				171,248.98
35	Concreting of Poles in ratio C.C.1:1:5:3 for 11 Mtr. WPB Pole,0.375 Cum	No	2	2,991.98	5,983.97
36	Couping of poles in ratio 1:1:5:3 for pole 0.1125 Cum	No	2	748.00	1,496.00
37	Stay concreting for stud pole / stay anchor plate in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	4	1,329.77	5,319.08
38	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	5	1,600.00	8,000.00
	Sub Total Rs.				192,048.03
D	Dismantling of existing HT Lines	Mtr.	450	6.44	2,898.00
E	Dismantling of existing HT Poles	Nos.	3	780.18	2,340.53
	Sub Total Rs.(PART-I)				821,944.08
	PART-II				
A	Installation of 250 KVA 11/0.4KV sub station -1 No.				
1	11 Mtr Long (160x160)mm WPB GI Pole(30.44 Kg/mtr)	No	2	34,321.52	68,643.04
2	RCC Base Plate	No	2	408.00	816.00
3	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	106.50	5,486.88
4	AB switch &HG fuse mounting GI channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	106.50	8,111.04
5	Cantilever GI Channel for supporting HG Fuse,75x40x6mm.-1 Mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	106.50	1,448.40
6	Cantilever GI angle for supporting HG Fuse 50x50x6mm MS Angle 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	18	106.50	1,917.00
7	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	Kg.	13.5	106.50	1,437.75
8	Channel for AB switch Handle 75x40x6mm GI 1 Mtr. Long ,1 No.(@6.8 Kg/Mtr.)	K.g	6.8	106.50	724.20
9	Disc insulator 45 KN (B&S) Polymer	No.	3	1,221.20	3,663.61
10	HW fitting (B&S) 45 KN	Nos.	3	184.60	553.81
11	11 KV Pin insulator Polymer	No	3	284.00	852.00

12	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	16,827.00	16,827.00
13	11KV HG fuse 3 pole(400 Amp)with PI	Set	1	16,372.60	16,372.60
14	11 KV LA(9 KV, 10 KA)station class	No.	3	1,419.49	4,258.47
15	PG clamp for 55 sq. mm conductor	No.	6	681.60	4,089.61
16	LT Distribution Box with MCCB, Aluminium Bus Bar for 3 bay with Kitkat fuse for 250 KVA S/S .	No	1	65,280.00	65,280.00
17	1Cx150 sq. mm LT XLPE cable (Armoured)	Mtr.	28	298.20	8,349.69
18	250 KVA, 11/0.4 KV (CU) Transformer with off load Tap changer BIS Energy Level-II, IS 1180, Ammendment-4	No	1	601,213.06	601,213.06
19	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1,491.00	10,437.00
20	25x6 mm GI flat earthing	Kg	90	106.50	9,585.00
21	GI Nuts, Bolts and washers of assorted size	Kg	25	110.76	2,769.00
22	Earthing Device coil type GI	No	2	235.72	471.44
23	No.6 GI wire for earthing	Kg	0.524	110.68	58.00
24	Danger Board	No.	2	113.60	227.20
25	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	106.50	64.09
26	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	134.04	804.25
27	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	106.50	256.35
28	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	3.26	106.50	347.19
29	HT stay set (Complete)REC Construction standard	No.	2	1,491.00	2,982.00
30	HT stay Insulator, Type-C	No.	2	71.00	142.00
31	Stay clamp(1.9 Kg/Pair)	pair	2	177.50	355.00
32	7/10 SWG GI Saty wire, grade-2	Kg	20	106.50	2,130.00
33	Sundries (Paint,Al. Binding tape , wire insulating tape, clamp connector, jumpering materials, socket & other accessories etc.)	LS	1	3,500.00	3,500.00
	A.Sub Total Rs.				844,172.68
B	Stock,storage and insurance (@3% on A)				25,325.18
C	TOTAL RS.				869,497.86
D	T&P @ 2% of C				17,389.96
E	Contingency @ 3% of C				26,084.94
F	Transportation @ 7.5% of C				65,212.34
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				52,452.20
H	TOTAL RS.				1,030,637.29

34	Concreting of Poles in ratio 1:1:5:3 for WPB Pole,0.375 Cum	No	2	2,493.32	4,986.64
35	Couping of poles in ratio 1:1:5:3 for WPB pole 0.1125 Cum	No	2	748.00	1,496.00
36	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	2	1,329.77	2,659.54
37	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1,600.00	11,200.00
38	Plinth for installation of 250 KVA DTR including all labour and material as per TPSODL Drawing and specification.	Nos.	1	32,181.60	32,181.60
39	Construction of Boundary wall for fencing of DPM S/S in the size 5x4 Mtr. @ 7300.12/RM (as per TPSODL specification)	Nos.	12	7,300.12	87,601.44
	Sub Total Rs.				1,170,762.51
PART-III	Construction of LT 3ph 5 W line using 3x95+1x70+1x16 sqmm XLPE AB Cable=0.2Km				
1	9 Mtr Long 300 KG PSC Pole	No	5	4,080.00	20,400.00
2	RCC Base Plate	No	5	426.00	2,130.00
3	3x95+1x70+1x16 sqmm XLPE AB Cable	Mtr.	200.00	345.06	69,011.86
4	Pole clamp for eye Hook for XLPE cable	No	5	284.00	1,420.00
5	Suspension clamp	No	5	482.80	2,413.98
6	Dead end clamp suitable for XLPE cable	No	2	92.30	184.59
7	Eye hook	No	2	85.20	170.41
8	Piercing connector	No	3	113.60	340.81
9	Neutral connector	No	1	46.86	46.86
10	Earthing Device coil type GI	No	5	235.72	1,178.60
11	No. 8 GI wire for earthing	Kg	1.31	106.50	139.52
12	L.T Stay set (Complete)	Set	2	738.40	1,476.80
13	L.T Stay Insulator	No.	2	42.60	85.20
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	2	156.20	312.40
15	7/12 SWG Stay Wire	Kg	16	106.50	1,704.00
16	Danger Board	No.	4	113.60	454.40
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	1.505	106.50	160.28
18	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	15	113.60	1,704.00
19	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	10	106.50	1,065.00
20	GI Nuts, Bolt and washer	Kg	6	110.76	664.56
21	Sundries (clamp, connectors,Binding tape etc.)	LS	1	300.00	300.00
					105,363.27
	A.Sub Total Rs.				105,363.27
B	Stock,storage and insurance (@3% on A)				3,160.90
C	TOTAL RS.				108,524.17
D	T&P @ 2% of C				2,170.48

E	Contingency @ 3% of C				3,255.72
F	Transportation @ 7.5% of C				8,139.31
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				12,953.62
H	TOTAL RS.				135,043.31
22	Concreting of Poles in ratio 1:1:5:3 for 9M/8M PSC Pole,0.375 Cum	No	5	2,493.32	12,466.60
23	Couping of poles in ratio 1:1:5:3 for PSC pole 0.1125 Cum	No	5	748.00	3,740.00
24	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	2	1,329.77	2,659.54
	Sub Total Rs.				153,909.45
	Total Rs. (PART-II)				1,324,671.96
	Sub total Rs.(PART-I+PART-II)				2,146,616.04
	Cess @ 1%				21,466.16
	Total Estimated Cost				2,168,082.20
	Total Estimated Cost in Figures			-	2,168,082.00
EXCESS ☐ LESS ☐ (Please Tick)		In Figure _____ % In word _____ %			
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)**