

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****PRICE BID FOR THE WORK UNDER SL. NO :- 07 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO AUTOMATED TESTING STATION (ATS) AT GOPALPUR IN THE DISTRICT OF CUTTACK.****BID REF NO :-03/PM/ELECT/OPHWC/2026-27**

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.
I	CONSTRUCTION OF 11 KV LINE .				
A	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB(GI) 160x152 mm (13 Mtr. Long ,30.44 Kg/Mtr.)	No	1	43,287.99	43,287.99
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	45.888	106.50	4,887.07
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	106.50	1,126.00
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	11.7014	106.50	1,246.20
5	Danger plate	No	1	113.60	113.60
6	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.3009	106.50	32.05
7	GI barbed wire/Anticlimbing device	No	3	113.60	340.80
8	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	1.2036	106.50	128.18
9	11 KV pin insulator polymer	Set	5	284.00	1,420.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	9	497.00	4,473.00
11	Disc insulator (B&S) 70 KN polymer	No.	9	1,633.00	14,697.00
12	Earthing of Support (Coil Type)	No	1	235.72	235.72
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	106.50	27.90
14	Non metallic ties -11 KV 55 sq. mm AAAC	No	5	251.00	1,255.00
15	IPC for 55 sq. mm AAAC(For covered conductor)	No	9	550.00	4,950.00

16	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	1	177.50	177.50
17	H.T. Stay set (Complete)	SET	1	1,491.00	1,491.00
18	H.T. Stay Insulator Type-C	EA	1	71.00	71.00
19	7/10 SWG Stay Wire 15kg /stay	KG	15	106.50	1,597.50
20	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.433	110.76	823.28
21	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	216.00	432.00
22	Black paint (GIS Numbering & Zebra stripping)	Ltr	0.5	312.40	156.20
A	A. Sub total				82,969.00
B	B. Stock, Storage & Insurance @ 3% of A				2,489.07
C	Sub Total (C=A+B)				85,458.07
D	T&P @ 2% of C				1,640.42
E	Contingency @ 3% of C				2,563.74
F	Transportation @ 7.5% of C				6,409.36
	Erection Charges @ 5% on pole				2,229.33
G	Erection Charges @ 10%				3,743.43
H	Total				102,044.35
23	Fixing of complete 11KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts BA will do the excvation including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard.	EA	1	2,301.53	2,301.53
24	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)	Cum	0.55	6,648.85	3,656.87
25	Couping ratio 1:1.5:3(M-20 Grade) with dimension (500X500X450)= 0.1125 Cu mtr(Per Pole)	Cum	0.1125	6,648.85	748.00
	Total Material + Services Cost (J+K)				108,750.74
B	11 KV PIN POINTS WITH WPB				
1	55 sq. mm AAAC XLPE covered conductor	Mtr.	46.35	99.74	4,622.95
A	A. Sub total				4,622.95
B	B. Stock, Storage & Insurance @ 3% of A				138.69
C	Sub Total (C=A+B)				4,761.64
D	T&P @ 2% of C				95.23
E	Contingency @ 3% of C				142.85
F	Transportation @ 7.5% of C				357.12
	Erection Charges @ 5% on poles				
G	Erection Charges @ 10%				476.16
H	Total				5,833.01

II	INSTALLATION OF 1 NO. 11 KV DP WITH AB SWITCH AND LA FOR HT METERING UNIT.				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36,804.27	73,608.54
2	Straight Cross Arm100X50X6mm, 9.56 KG/Mtr., each Channel(GI) length 1.2 mtr., 4 no's Channel(GI) required =(4x9.56x1.2)	KG	45.888	106.50	4,887.07
3	Fish Plate(GI) 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required = (16x2.36x0.280)	KG	10.573	106.50	1,126.02
4	AB switch Mounting Channel(GI) 75X40X4.8mm, 7.14KG/Mtr, each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required =(7.14x3x2)	KG	42.84	106.50	4,562.46
5	HT MU Mounting Channel(GI) 100X50X6mm, 9.56KG/Mtr, each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required =(9.56x3x2)	KG	57.36	106.50	6,108.84
6	HG/DO Fuse Mounting Channel(GI) 75x40x4.8 mm, 7.14 KG/Mtr, each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required	KG	42.84	106.50	4,562.46
7	Cantilever Support Channel(GI) 75x40x4.8 mm GI Channel(GI) (810 mm long,2 No's.) (7.14Kg./Mtr., 2 No's.) (Each 2x0.81x7.14)	KG	11.567	106.50	1,231.89
8	Angle(GI) for Cantilever arrangement for HT MU 50 x 50 x 6 - 1282 mm.each 2 nos.(4.5 K.g. per mtr.)	KG	11.538	106.50	1,228.80
9	MU and AB Switch Side Support Channel(GI) 100X50X6mm,9.56 KG/Mtr., each Channel(GI) length 0.35 mtr., 4 no's Channel(GI) required =(9.56x4x0.35)	KG	13.384	106.50	1,425.40
10	Channel(GI) Support for down Pipe 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 0.8 Mtr., 1 no's Channel(GI) required =(7.14x0.8x1)	KG	5.712	106.50	608.33
11	Double Pole Belting Channel(GI) 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required =(7.14x3x2)	KG	42.84	106.50	4,562.46
12	50x50x6mm.GI Bracing Angle(GI), 4.5Kg./mtr., each Angle(GI) length 3.512 mtr., 2 nos Angle(GI) required = (4.5x3.512x2)	KG	31.608	106.50	3,366.25
13	Danger Plate, 2 no's.	No	2	113.60	227.20
14	Back Clamp for danger Plate 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 2 no's = (2x0.59x0.510)	KG	0.6018	106.50	64.09
15	55 sq. mm AAAC XLPE covered conductor	Mtr.	15	99.74	1,496.10
16	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	2	177.50	355.00
17	H.T. Stay set (Complete)	SET	2	1,491.00	2,982.00
18	H.T. Stay Insulator Type-C	EA	2	71.00	142.00
19	7/10 SWG Stay Wire 15kg /stay	KG	30	106.50	3,195.00
20	Gi Pipe Earthing 40mm. 3 Mtr. Long	No	2	1,491.00	2,982.00
21	50x6mm Flat(GI) for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	KG	48.38	106.50	5,152.47

22	GI barbed wire anticlimbing device 3 Kg. Per support, 2 no's qty. required =(2x3kg)	KG	6	113.60	681.60
23	Back Clamp for anticlimbing device 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 8 no's = (8x0.59x0.510)	KG	2.407	106.50	256.35
24	Lightning Arrester(12KV,10KA) (Station Class,class-2)	No.	3	5,041.00	15,123.00
25	AB Switch (11KV,200A.3pole,50Hz)	SET	1	10,437.00	10,437.00
26	11 KV pin insulator polymer	EA	3	284.00	852.00
27	H W fitting(B&S) 70KN, 3Bolt	EA	6	497.00	2,982.00
28	Disc insulator (B&S) 70 KN polymer	EA	6	1,633.00	9,798.00
29	Wedge connector for 55 sq. mm conductor	EA	9	100.00	900.00
30	GI Nut , Bolt & Washer of different sizes (13.718 Kg each DP with AB Switch)	KG	13.718	110.76	1,519.41
31	Polycarbonate Bird Guard	EA	9	29.40	264.60
32	Black Paint(GIS Numbering & Zebra Stripping)	L	1	312.40	312.40
33	Yellow Colour Paint(GIS Numbering & Zebra Stripping) for Background	L	2	216.00	432.00
34	DO Fuse (11 KV, 200 A, 3 Pole)	Set	1	3,214.41	3,214.41
35	20 Amp Fuse Link	No	3	40.00	120.00
A	A. Sub total				170,767.14
B	B. Stock, Storage & Insurance @ 3% of A				5,123.01
C	Sub Total (C=A+B)				175,890.15
D	T&P @ 2% of C				3,318.89
E	Contingency @ 3% of C				5,276.70
F	Transportation @ 7.5% of C				13,191.76
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				3,790.84
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				9,012.76
J	Total				210,481.11
36	Fixing of complete 11KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts BA will do the excvation including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard.	EA	2	2,301.53	4,603.06
37	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45 Cu.mtr(Per Pole)	Cu. Mt	0.9	6,648.85	5,983.97
38	Couping ratio 1:1.5:3(M-20 Grade) (500mmX500mmX450 mm) = 0.1125 Cu.mtr(Per Pole)	Cu. Mt	0.225	6,648.85	1,495.99

39	Construction Earthing chamber including installation of earthing pipe.Making earthing chamber including excavation , soil treatment with bentonide powder , calculation of earth resistance, including Installation of 3Mtr GI Pipe 40mm/50mm including welding of Flat(GI) around pipe .	EA	2	3,784.73	7,569.46
40	Supply and Erection of GI Fencing with Gate	M2	20	3,682.44	73,648.80
					93,301.28
				Sub total Rs	303,782.38
III	INSTALLATION OF 250 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36,804.27	73,608.54
2	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	106.50	6,108.84
3	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	106.50	422.25
4	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4,562.46
5	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	106.50	712.49
6	Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.	Kg	5.711	106.50	608.22
7	HG/DO fuse Mounting channel 75x40x4.8 mm GI (3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4,562.46
8	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	106.50	1,232.21
9	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	106.50	1,229.01
10	Double pole Belting Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	42.84	106.50	4,562.46
11	50X50X6 mm.GI Bracing Angle,4.5 Kg/Mtr.,3512 mm Long, 4.5KG/Mtr., 2 Nos.	Kg	31.61	106.50	3,366.47
12	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	Kg	154.81	106.50	16,487.27
13	250 KVA , 11/0.4 KV (CU) Transformer BIS Energy Level-II	No	1	619,789.27	619,789.27
14	LT Distrubution Box with MCCB, Aluminim Busbar of 3 Bay with kit kat Fuse for 250 KVA S/S.	No	1	68,160.00	68,160.00
15	55 sq. mm AAAC XLPE covered conductor	Mtr	50	99.74	4,987.00
16	1Cx400 sq. mm LT XLPE cable	Mtr	120	363.08	43,569.60
17	LT Cable Supporting Channel(GI) 100 X 50 X 6 MM GI Channel (2000 mm long)(9.56 Kg./Mtr., 2 No's.) (Each 2x2x9.56= 28.56 Kg)	Mtr	38.24	106.50	4,072.56
18	LT Cable Supproting Angle(GI), 50x50x6mm.GI 4.5Kg./mtr., each Angle(GI) length 2 mtr., 4 nos Angle(GI) required = (4.5x4x2)	Set	36	106.50	3,834.00

19	11 KV AB switch (200 Amp, 3 pole)	Set	1	10,437.00	10,437.00
20	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	8,690.00	8,690.00
21	Wedge connector for 55 sq. mm conductor	EA	6	100.00	600.00
22	Polycarbonate Bird Guard	No	6	29.40	176.40
23	11 KV Disc insulator polymer type 70 KN	No	3	1,633.00	4,899.00
24	11 KV H/W fitting polymer type	Pair	3	497.00	1,491.00
25	11 KV LA (12KV,10 KA)station class-2	No	3	5,041.00	15,123.00
26	11 KV Pin Insulator polymer type	No	3	284.00	852.00
27	HT Stay Set (Complete)	Set	2	1,491.00	2,982.00
28	HT Stay Insulator	No.	2	177.50	355.00
29	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	71.60	143.20
30	7/10 SWG Stay Wire	KG	30	106.50	3,195.00
31	GI Pipe for earthing 40mm dia 3mtr long	No	7	1,491.00	10,437.00
32	GI Nut, Bolt & washers of different sizes	Kg	25	110.76	2,769.00
33	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
34	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	106.50	256.37
35	Danger plate	Kg	2	113.60	227.20
36	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	106.50	64.09
37	Name Plate	No	1	113.60	113.60
	Structure Numbering and marking				
38	Yellow colour paint for Background	Ltr	2	216.00	432.00
39	Black colour paint for numbering	Ltr	1	312.40	312.40
A	A. Sub total				926,111.95
B	B. Stock, Storage & Insurance @ 3% of A				27,783.36
C	Sub Total (C=A+B)				953,895.31
D	T&P @ 2% of C				17,827.87
E	Contingency @ 3% of C				28,616.86
F	Transportation @ 7.5% of C				71,542.15
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				35,709.98
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				17,719.39
J	Total				1,125,311.56
40	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6,648.85	5,983.97
41	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mt	0.226	6,648.85	1,502.64
42	PCC ratio 1:3:6(M-10) grade for DSS area (3.5x2.5x0.1)=0.875 Cu Mtr.	Cu. Mt	0.875	5,247.48	4,591.55
43	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2,301.53	4,603.06

44	Construction of earthing chamber including installation of earthing pipe. Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance, including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	7	3,784.73	26,493.11
45	LT DB Plinth	No	1	6,000.00	6,000.00
46	DTR Plinth upto 1000 KVA	No	1	28,000.00	28,000.00
47	Laying of 1Cx400 sq.mm LT XLPE cable	Mtr.	120	96.66	11,599.20
48	Supply and Erection of GI fencing with Gate	Sq. Mtr	18	3,682.44	66,283.92
49	Supply of AL Lugs suitable for 400 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	16	322.21	5,155.36
50	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 1C 300-1000 sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	No	8	1,227.48	9,819.84
					170,032.64
				Sub total Rs	1,295,344.20
	Sub Total Rs.				1,713,710.33
	Cess @1%				17,137.10
	Total Estimated Cost				1,730,847.43
	Total Estimated Cost in Figures				1,730,847.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (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/-

Dy. Manager (Elect)

Sd/-

Project Manager (Elect)