



LIST OF TEST EQUIPMENTS

S.No.	EQUIPMENT NAME	QUANTITY	MAKE	MODEL	PURPOSE
1	Three Phase Secondary Injection Test Kit	4 Nos.	Programma, Sweden	Freja 300	All types of Protection Relays for Distance, Measurement, etc.
2	Three Phase Secondary Injection Test Kit	1 No.	ISA, Italy	DRTS 6	All types of Protection Relays for Distance, Measurement, etc.
3	Primary Injection Test Kit up to 6000 A Continuous	1 No.	Programma, Sweden	ODEN AT	Primary Injection for CT, Breaker, etc.
4	Primary Injection Test Kit up to 4000 A Continuous	1 No.	Programma, Sweden	ODEN AT	Primary Injection for CT, Breaker, etc.
5	Single Phase Secondary Injection Test Kit	3 Nos.	Programma, Sweden	Sverkar 760	All types of Protection Relays for Single Phase Injection & Auxiliary Relays, etc.
6	Single Phase Secondary Injection Test Kit	1 No.	SMC	PTE 100 +	All types of Protection Relays for Single Phase Injection & Auxiliary Relays, etc.
7	Single Phase Secondary Injection Test Kit	1 No.	ISA, Italy	T 1000	All types of Protection Relays for Single Phase Injection & Auxiliary Relays, etc.
8	Multifunctional primary test system	1 No.	Omicron, Austria	CPC 100	Primary Injection for CT, Breaker, etc.
9	CT Tester	1 No.	Omicron, Austria	CT Analyser	CT Testing
10	Breaker Analyzer	1 No.	SMC	PME – 500 TR	Three Pole Timing for Breakers, Contact Resistance up to 10A, Pole Current.
11	VLF HV Test Kit	1 No.	HV Diagnostics Inc.	HVA 60	Cable HV Test
12	High voltage tester (0-100kV DC)	1 No.	Phenix Technologies	4100-10	High potential test for cables
13	High voltage tester (0-75kV DC)	1 No.	High Voltage Inc.	PTS-75(F)	High potential test for cables
14	High voltage tester (0-50kV AC)	1 No.	High Voltage Inc.	PFT-503CMF	High potential test for Transformer, Busbars, cables
15	High voltage tester (0-5 kV AC)	1 No.	Metrel, Slovenia	MI 2094	High potential test for LV Transformers, Busbars
16	High voltage tester (0-5 kV AC)	1 No.	Chauvin Arnoux	C.A 6160	High potential test for LV Transformers, Busbars



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17	Multi Functional Test Kit	1 No	ISA, Italy	T 3000	CT, VT & Transformer Testing, Primary Injection, etc.
18	Contact Resistance Test Kit up to 600 Amps	2 Nos.	Programma, Sweden	MOM 600A	Contact Resistance of Breakers, Bus Duct and LV Bus Bar.
19	Milli Volt Drop Test Kit up to 200 Amps	1 No.	Rectifiers & Electronics	-	Contact Resistance of Breakers, Bus Duct and LV Bus Bar.
20	Transformer Winding Resistance Meter	1 No.	Eltel Industries	TWRM 10	Measure the Transformer Winding Resistance
21	Automatic Transformer Ratio Meter	1 No.	Eltel Industries	ATRM 200	Measure the Transformer Turns Ratio
22	Digital Insulation Tester (500 V – 5 kV)	7 Nos.	Chauvin Arnoux	C.A 6547	Measure Insulation Resistance upto 5kV range
23	Digital Insulation Tester (500 V – 5 kV)	1 No.	Hioki	3455	Measure Insulation Resistance upto 5kV range
24	Digital Insulation Tester (100 V – 5 kV)	1 No.	Rishabh Instruments	Rish Insu 5000	Measure Insulation Resistance upto 5kV range
25	Digital Insulation Tester (125 V – 1 kV)	3 Nos.	Hioki	3453	Measure Insulation Resistance upto 1kV range
26	Digital Micro ohmmeter	4 Nos.	Chauvin Arnoux	C.A 6240	Measurement for CT winding resistance
27	Digital Clamp meter (0-2000A)	3 Nos.	Hioki	3285-20	Measurement for AC & DC current up to 2000A
28	Digital Clamp meter (30mA-1000A)	4 Nos.	Hioki	3293	Measurement of AC current upto 1000A
29	Digital Insulation & Continuity Tester	2 Nos.	Kyoritsu, Japan	3005A	Measurement for Insulation resistance upto 1kV
30	Multimeter	13 Nos.	Rishabh Instruments	R 16S	Measure voltage,current,resistance,continuity check
31	Multimeter	40 Nos.	Fluke	83V,87V,187V	Measure voltage,current,resistance,continuity check
32	Single Pole Timer	4 Nos.	Anandha Jothi	-	Measure Timing for all type of relays



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S.No.	EQUIPMENT NAME	QUANTITY	MAKE	MODEL	PURPOSE
33	Three Phase Variac (20 A)	2 Nos.	Anandha Jothi	-	Variable Three Phase Voltage Source for Testing of VT
34	Single pole variac (10A,16A,28A)	3 Nos.	Anandha Jothi	-	Variable single phase voltage source
35	Loading Transformer (1600 A)	1 No.	Anandha Jothi	-	Primary Injection for CT, Breaker, etc.
36	DC Power pack (0-250V & 20A)	1 No.	Anandha Jothi	-	Variable single phase voltage DC source
37	DC Power pack (0-250V & 10A)	1 No.	Anandha Jothi	-	Variable single phase voltage DC source
38	DC Power pack (0-30V & 5A)	1 No.	Anandha Jothi	-	Variable single phase voltage DC source
39	Earth Resistance Tester	1 No.	Hioki	3151	Measure the Earth Resistance
40	Digital Temperature Indicator	2 Nos.	CE	-	Measure the Temperature, Humidity
41	Phase Sequence Indicator	1 No.	Kyoritsu, Japan	8031	Check the Phase Rotation of the Supply
42	Torque wrench (40-200NM)	1 No.	Beta	668/20	Check the tightness of busbar, transformers
43	Torque wrench (20-100NM)	3 Nos.	Beta	666/10X	Check the tightness of busbar, transformers
44	Hydraulic Manual stacker	1 No.	Geprute, Germany	GS	1000 Kg. Lifting capacity
45	Hydraulic Punching tool	1 No.	Hi-Force, U.K		Make holes on panel
46	Labelling Machine	1 No.	Casio, Japan	D 60	Printing of labels
47	Ferrule Printing Machine	1 No.	Letawin, Japan	380A	Printing of letters & numbers on Ferrules
48	Muti-purpose thermal imager	1 No.	IRISYS, UK	IRI 4010	Thermal scanning of electrical equipments