National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION, PLOT NO. 57A, APIIC, AUTO NAGAR, RAJAHMUNDRY, EAST GODAVARI DIST., ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 23/08/2022 to 22/08/2024 **Last Amended on** 22/12/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S & 0.5S	ac high voltage test / Test of insulation properties	IEC 62053-22
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S & 0.5S	Test of power consumption	IEC 62053-22
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S, 0.5S, 1, 2 & 3	ac high voltage test / Test of insulation properties	IEC 62052-11
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S, 0.5S, 1, 2 & 3	Test of power consumption	IEC 62052-11
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	ac high voltage test / Test of insulation properties	IS 14697 (Withdrawn Standard)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Insulation resistance / Insulation test	IS 14697 (Withdrawn Standard)
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Test of power consumption	IS 14697 (Withdrawn Standard)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	ac high voltage test / Test of insulation properties	CBIP Publication No.325
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Insulation resistance / Insulation test	CBIP Publication No.325
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Test of power consumption	CBIP Publication No.325

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	ac high voltage test / Test of insulation properties	IS 16444 (part-2)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	Insulation resistance / Insulation test	IS 16444 (part-2)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	Test of power consumption	IS 16444 (part-2)
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	ac high voltage test / Test of insulation properties	IS 14697
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	Insulation resistance / Insulation test	IS 14697
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	Test of power consumption	IS 14697
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	ac high voltage test / Test of insulation properties	IEC 62053-21
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	Test of power consumption	IEC 62053-21
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	ac high voltage test / Test of insulation properties	IS 13779
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	ac high voltage test / Test of insulation properties	IS 13779 (Withdrawn Standard)
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	ac high voltage test / Test of insulation properties	IS 16444 (part-1)

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Insulation resistance / Insulation test	IS 13779
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Insulation resistance / Insulation test	IS 13779 (Withdrawn Standard)
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Insulation resistance / Insulation test	IS 16444 (part-1)
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of power consumption	IS 13779
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of power consumption	IS 13779 (Withdrawn Standard)
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of power consumption	IS 16444 (part-1)
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	ac high voltage test / Test of insulation properties	IEC 62053-23
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Test of power consumption	IEC 62053-23
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S & 0.5S	Running with no load / Test of no-load condition	IEC 62053-22
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S & 0.5S	Starting Conditions	IEC 62053-22
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S, 0.5S, 1, 2 & 3	Running with no load / Test of no-load condition	IEC 62052-11

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S, 0.5S, 1, 2 & 3	Starting Conditions	IEC 62052-11
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S,0.5S, 1, 2 & 3	Test of meter constant	IEC 62052-11
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Running with no load / Test of no-load condition	IS 14697 (Withdrawn Standard)
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Starting Conditions	IS 14697 (Withdrawn Standard)
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Running with no load / Test of no-load condition	CBIP Publication No.325
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Starting Conditions	CBIP Publication No.325
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	Running with no load / Test of no-load condition	IS 16444 (part-2)
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	Starting Conditions	IS 16444 (part-2)
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	Running with no load / Test of no-load condition	IS 14697
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	Starting Conditions	IS 14697
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S,0.5S &1S	Limits of errors/ Test of accuracy requirement	IS 14697

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44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	Limits of errors/ Test of accuracy requirement	IEC 62053-21
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	Running with no load / Test of no-load condition	IEC 62053-21
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	Starting Conditions	IEC 62053-21
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Limits of errors/ Test of accuracy requirement	IS 16444 (part-1)
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Repetability of error	IS 13779
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Repetability of error	IS 13779 (Withdrawn Standard)
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Repetability of error	IS 16444 (part-1)
51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Running with no load / Test of no-load condition	IS 13779
52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Running with no load / Test of no-load condition	IS 13779 (Withdrawn Standard)
53	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Running with no load / Test of no-load condition	IS 16444 (part-1)
54	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Starting Conditions	IS 13779

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55	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Starting Conditions	IS 13779 (Withdrawn Standard)
56	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Starting Conditions	IS 16444 (part-1)
57	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of meter constant	IS 13779
58	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of meter constant	IS 13779 (Withdrawn Standard)
59	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of meter constant	IS 16444 (part-1)
60	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Limits of errors/ Test of accuracy requirement	IEC 62053-23
61	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Repeatability of error	IEC 62053-23
62	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Running with no load / Test of no-load condition	IEC 62053-23
63	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Starting Conditions	IEC 62053-23
64	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Test of meter constant	IEC 62053-23
65	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.1S, 0.2S & 0.5S	Limits of errors/ Test of accuracy requirement	IEC 62053-22

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66	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.1S, 0.2S & 0.5S	Repetability of error	IEC 62053-22
67	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.1S, 0.2S & 0.5S	Test of meter constant	IEC 62053-22
68	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.1S, 0.2S, 0.5S,1, 2 & 3	Repetability of error	IEC 62052-11
69	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.1S,0.2S,0.5S,1,2 & 3	Limits of errors/ Test of accuracy requirement	IEC 62052-11
70	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S & 0.5S	Limits of errors/ Test of accuracy requirement	IS 14697 (Withdrawn Standard)
71	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S & 0.5S	Repetability of error	IS 14697 (Withdrawn Standard)
72	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S & 0.5S	Test of meter constant	IS 14697 (Withdrawn Standard)
73	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S, 0.5S & 1.0	Repetability of error	CBIP Publication No.325
74	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S, 0.5S & 1.0S	Repetability of error	IS 16444 (part-2)
75	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S, 0.5S & 1.0S	Test of meter constant	IS 16444 (part-2)
76	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S, 0.5S & 1S	Repetability of error	IS 14697

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77	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S,0.5S & 1.0	Limits of errors/ Test of accuracy requirement	CBIP Publication No.325
78	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S,0.5S &1.0	Test of meter constant	CBIP Publication No.325
79	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S,0.5S &1.0S	Limits of errors/ Test of accuracy requirement	IS 16444 (part-2)
80	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.2S,0.5S &1S	Test of meter constant	IS 14697
81	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.5, 1 & 2	Repetability of error	IEC 62053-21
82	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :0.5, 1 & 2	Test of meter constant	IEC 62053-21
83	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :1 & 2	Limits of errors/ Test of accuracy requirement	IS 13779
84	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter :1 & 2	Limits of errors/ Test of accuracy requirement	IS 13779 (Withdrawn Standard)
85	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Acidity (Neutralization value)	IEC 60422
86	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Acidity (Neutralization value)	IEC 62021(part-1)
87	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Acidity (Neutralization value)	IEC 62021(Part-2)

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88	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Acidity (Neutralization value)	IS 1448(part-2)
89	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Acidity (Neutralization value)	IS 1866
90	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Acidity (Neutralization value)	IS 1866 (Withdrawn Standard)
91	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Acidity (Neutralization Value)	IS 335
92	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Appearance	IS 1866 (Withdrawn Standard)
93	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Appearance	IS 335
94	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Breakdown Voltage	IEC 60156
95	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Breakdown Voltage	IEC 60422
96	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Breakdown Voltage	IS 1866
97	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Breakdown Voltage	IS 1866 (Withdrawn Standard)
98	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Breakdown Voltage	IS 335
99	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Breakdown Voltage	IS 6792
100	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Colour and Appearance	IEC 60422
101	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Colour and Appearance	IS1866

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102	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Colour and Appearance	ISO 2049
103	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IEC 60422
104	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IS 1448 (part-16)
105	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IS 1866
106	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IS 1866 (Withdrawn Standard)
107	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IS 335
108	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	ISO 3675
109	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric dissipation factor	IEC 60247
110	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric dissipation factor	IEC 60422
111	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric dissipation factor	IS 1866
112	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric dissipation factor	IS 1866 (Withdrawn Standard)
113	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric dissipation factor	IS 335
114	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric dissipation factor	IS 6262

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115	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Acetylene)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022
116	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Carbon Dioxide)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022
117	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Carbon Monoxide)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022
118	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Ethane)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022
119	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Ethylene)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022
120	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Hydrogen)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022
121	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Methane)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022
122	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Nitrogen)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022
123	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Oxygen)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022

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124	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Propane)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022
125	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Propylene)	IS 9434-2019; IS 10593-2018; IS 10593-2006 (Withdrawn Standard); IS 1866-2000 (Withdrawn Standard); IEC 60567-2011; IEC 60599-2022
126	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	IEC 60422
127	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	IS 1448 (part-21)
128	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	IS 1866
129	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	IS 1866 (Withdrawn Standard)
130	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	IS 335
131	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	ISO 2719
132	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	ASTM D971
133	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IEC 60422
134	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IS 1866
135	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IS 1866 (Withdrawn Standard)

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136	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IS 335
137	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IS 6104
138	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Sediment and Sludge	IEC 60422
139	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Sediment and Sludge	IS 1866
140	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Sediment and Sludge	IS 1866 (Withdrawn Standard)
141	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IEC 60247
142	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IEC 60422
143	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IS 1866
144	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IS 1866 (Withdrawn Standard)
145	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IS 6103
146	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water content	IEC 60422
147	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water content	IEC 60814
148	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water content	IS 13567
149	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water content	IS 1866

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150	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water content	IS 1866 (Withdrawn Standard)
151	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water Content	IS 335

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Site Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S & 0.5S	ac high voltage test / Test of insulation properties	IEC 62053-22
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S, 0.5S, 1, 2 & 3	ac high voltage test / Test of insulation properties	IEC 62052-11
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S, 0.5S, 1, 2 & 3	Test of power consumption	IEC 62052-11
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	ac high voltage test / Test of insulation properties	IS 14697 (Withdrawn Standard)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Insulation resistance / Insulation test	IS 14697 (Withdrawn Standard)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Test of power consumption	IS 14697 (Withdrawn Standard)
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	ac high voltage test / Test of insulation properties	IS 16444 (part-2)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	ac high voltage test / Test of insulation properties	CBIP Publication No.325
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Insulation resistance / Insulation test	CBIP Publication No.325
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Test of power consumption	CBIP Publication No.325

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	Insulation resistance / Insulation test	IS 16444 (part-2)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	Test of power consumption	IS 16444 (part-2)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	ac high voltage test / Test of insulation properties	IS 14697
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	Insulation resistance / Insulation test	IS 14697
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	Test of power consumption	IS 14697
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	ac high voltage test / Test of insulation properties	IEC 62053-21
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	Repetability of error	IEC 62053-21
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	Test of power consumption	IEC 62053-21
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	ac high voltage test / Test of insulation properties	IS 13779
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	ac high voltage test / Test of insulation properties	IS 13779 (Withdrawn Standard)
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	ac high voltage test / Test of insulation properties	IS 16444 (part-1)

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Insulation resistance / Insulation test	IS 13779
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Insulation resistance / Insulation test	IS 13779 (Withdrawn Standard)
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Insulation resistance / Insulation test	IS 16444 (part-1)
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of power consumption	IS 13779
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of power consumption	IS 13779 (Withdrawn Standard)
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of power consumption	IS 16444 (part-1)
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	ac high voltage test / Test of insulation properties	IEC 62053-23
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Test of power consumption	IEC 62053-23
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S 0.2S & 0.5S	Repetability of error	IEC 62053-22
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S & 0.5S	Running with no load / Test of no-load condition	IEC 62053-22
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S & 0.5S	Starting Conditions	IEC 62053-22

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33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S & 0.5S	Test of meter constant	IEC 62053-22
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S & 0.5S	Test of power consumption	IEC 62053-22
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S, 0.5S, 1, 2 & 3	Repetability of error	IEC 62052-11
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S, 0.5S, 1, 2 & 3	Running with no load / Test of no-load condition	IEC 62052-11
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S, 0.5S, 1, 2 & 3	Starting Conditions	IEC 62052-11
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S, 0.5S, 1, 2 & 3	Test of meter constant	IEC 62052-11
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S,& 0.5S	Limits of errors/ Test of accuracy requirement	IEC 62053-22
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.1S, 0.2S,0.5S, 1, 2 & 3	Limits of errors/ Test of accuracy requirement	IEC 62052-11
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Limits of errors/ Test of accuracy requirement	IS 14697 (Withdrawn Standard)
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Repetability of error	IS 14697 (Withdrawn Standard)
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Running with no load / Test of no-load condition	IS 14697 (Withdrawn Standard)

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44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Starting Conditions	IS 14697 (Withdrawn Standard)
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S & 0.5S	Test of meter constant	IS 14697 (Withdrawn Standard)
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Repetability of error	CBIP Publication No.325
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Running with no load / Test of no-load condition	CBIP Publication No.325
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Starting Conditions	CBIP Publication No.325
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Starting Conditions	IS 16444 (part-2)
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0	Test of meter constant	CBIP Publication No.325
51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	Repetability of error	IS 16444 (part-2)
52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	Running with no load / Test of no-load condition	IS 16444 (part-2)
53	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1.0S	Test of meter constant	IS 16444 (part-2)
54	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	Repetability of error	IS 14697

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
55	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	Running with no load / Test of no-load condition	IS 14697
56	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	Starting Conditions	IS 14697
57	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S, 0.5S & 1S	Test of meter constant	IS 14697
58	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S,0.5S & 1.0S	Limits of errors/ Test of accuracy requirement	IS 16444 (part-2)
59	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S,0.5S &1.0	Limits of errors/ Test of accuracy requirement	CBIP Publication No.325
60	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.2S,0.5S &1S	Limits of errors/ Test of accuracy requirement	IS 14697
61	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	Limits of errors/ Test of accuracy requirement	IEC 62053-21
62	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	Running with no load / Test of no-load condition	IEC 62053-21
63	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	Starting Conditions	IEC 62053-21
64	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 0.5, 1 & 2	Test of meter constant	IEC 62053-21
65	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Limits of errors/ Test of accuracy requirement	IS 13779

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION, PLOT NO. 57A, APIIC, AUTO NAGAR, RAJAHMUNDRY, EAST GODAVARI DIST., ANDHRA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5704	**Page No**	21 of 22
Validity	23/08/2022 to 22/08/2024	**Last Amended on**	22/12/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
66	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Limits of errors/ Test of accuracy requirement	IS 13779 (Withdrawn Standard)
67	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Limits of errors/ Test of accuracy requirement	IS 16444 (part-1)
68	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Repetability of error	IS 13779
69	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Repetability of error	IS 16444 (Part-1)
70	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Running with no load / Test of no-load condition	IS 13779
71	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Running with no load / Test of no-load condition	IS 13779 (Withdrawn Standard)
72	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Running with no load / Test of no-load condition	IS 16444 (part-1)
73	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Starting Conditions	IS 13779
74	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Starting Conditions	IS 13779 (Withdrawn Standard)
75	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Starting Conditions	IS 16444 (part-1)
76	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of meter constant	IS 13779

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION, PLOT NO. 57A, APIIC, AUTO NAGAR, RAJAHMUNDRY, EAST GODAVARI DIST., ANDHRA PRADESH, INDIA		
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77	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of meter constant	IS 13779 (Withdrawn Standard)
78	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 1 & 2	Test of meter constant	IS 16444 (part-1)
79	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Limits of errors/ Test of accuracy requirement	IEC 62053-23
80	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Repetability of error	IEC 62053-23
81	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Running with no load / Test of no-load condition	IEC 62053-23
82	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Starting Conditions	IEC 62053-23
83	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters & Measuring Instruments. Class of meter : 2 & 3	Test of meter constant	IEC 62053-23
84	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical indicating & recording instruments. Class of meter : 1 & 2	Repetability of error	IS 13779 (Withdrawn Standard)