



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, ANDHRA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5704	Page No	1 of 18
Validity	23/08/2019 to 22/08/2021*	Last Amended on	-

*The validity is extended for one year up to 22.08.2022

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 Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	13779
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power consumption	CBIP 325
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power Consumption	IEC 62053-21
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power Consumption	IEC 62053-22
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power consumption	IEC 62053-24
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power consumption	IEC62052-11
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power Consumption	IS 14697
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power Consumption	IS 16444 (Part-2)
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power consumption	IS16444(part-1)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power consumption	IEC 62053-23



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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IS 14697
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power Consumption	IS 13779
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	AC High Voltage	IEC:62053-21
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	AC high voltage test	CBIP Report:325
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	AC high voltage test	IEC:62053-23
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	AC high voltage test	IS:14697
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	AC high voltage test	IS:16444 (part-1)
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Insulation resistance test	13779
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Insulation resistance test	14697
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Insulation resistance test	CBIP Report 325



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21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Insulation resistance test	IS:16444 (part-1)
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Insulation resistance test	IS:16444 (Part-2)
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	CBIP Report :325
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	IEC: 62053-23
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	IEC:62053-21
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	IEC:62053-22
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	IS:14697
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	IS:16444 (Part-1)
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Repeatability of error	CBIP Report:325
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Repeatability of error	IS:13779



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31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Repeatability of error	IS:16444 (Part-1)
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Repeatability of error	IS:16444 (Part-2)
33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Repeatability of error test	14697
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	CBIP Report 325
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IEC:62052-11
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IEC:62053-21
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IEC:62053-22
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IEC:62053-23
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IS:13779
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IS:14697



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41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IS:16444 (Part-1)
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IS:16444 (Part-2)
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	CBIP 325
44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IEC: 62053-21
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IEC:62052-11
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IEC:62053-22
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IEC:62053-23
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IS:16444 (Part-1)
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IS:16444 (Part-2)
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	AC High Voltage	IEC:62052-11



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51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	AC High Voltage	IEC:62053-22
52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	AC High Voltage	IS:13779
53	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	AC High Voltage	IS:16444 (Part-2)
54	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Meter Constant	IEC:62052-11
55	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Meter Constant	IS:13779
56	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Meter Constant	IS:16444 (Part-2)
57	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	CBIP Report:325
58	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IEC:62052-11
59	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IEC:62053-21
60	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IEC:62053-22



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61	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IEC:62053-23
62	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IS:13779
63	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IS:14697
64	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IS:16444 (Part-2)
65	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IS:16444(Part-1)
66	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Appearance	IS 335
67	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Electric Strength(BDV)	IS6792
68	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Appearance	IS 1866 (Withdrawn Standard)
69	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Color and Appearance	IS1866
70	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Color and Appearance	ISO 2049
71	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IS 1866 (Withdrawn Standard)
72	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IS1448 (Part-16)



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73	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IS1866
74	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IS335
75	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	ISO3675
76	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric Dissipation Factor	IEC60247
77	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric Dissipation Factor	IS 1866 (Withdrawn Standard)
78	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric Dissipation Factor	IS1866
79	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric Dissipation Factor	IS335
80	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric Dissipation Factor	IS6262
81	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis	IEC 60567
82	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis	IEC 60599
83	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis	IS 10593 (Withdrawn Standard)
84	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis	IS 1866 (Withdrawn Standard)
85	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis	IS10593



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86	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis	IS9434
87	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Electric Strength(BDV)	IEC60156
88	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Electric Strength(BDV)	IS 1866 (Withdrawn Standard)
89	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Electric Strength(BDV)	IS1866
90	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Electric Strength(BDV)	IS335
91	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	IS 1448 (Part-21)
92	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	IS 1866 (Withdrawn Standard)
93	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	IS 335
94	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	IS1866
95	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash Point	ISO2719
96	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	ASTM:D971
97	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IS 1866 (Withdrawn Standard)
98	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IS1866



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99	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IS335
100	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IS6104
101	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Neutralization Value	IEC62021 (Part-1)
102	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Neutralization Value	IEC62021(Part-2)
103	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Neutralization Value	IS 1866 (Withdrawn Standard)
104	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Neutralization Value	IS1448(Part-2)
105	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Neutralization Value	IS1866
106	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Neutralization Value	IS335
107	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Sediments & Sludge	IS 1866 (Withdrawn Standard)
108	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Sediments & Sludge	IS1866
109	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IEC60247
110	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IS 1866 (Withdrawn Standard)
111	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IS1866



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112	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IS335
113	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IS6103
114	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water Content	IEC60814
115	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water Content	IS13567
116	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water Content	IS1866
117	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water Content	IS335
118	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water Content	IS 1866 (Withdrawn Standard)



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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
Site Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	13779
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power consumption	CBIP 325
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power Consumption	IEC 62053-21
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power Consumption	IEC 62053-22
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power consumption	IEC 62053-24
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power consumption	IEC62052-11
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power Consumption	IS 14697
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power Consumption	IS 16444 (Part-2)
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power consumption	IS16444(part-1)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power consumption	IEC 62053-23



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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IS 14697
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Power Consumption	IS 13779
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	AC High Voltage	IEC:62053-21
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	AC high voltage test	CBIP Report:325
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	AC high voltage test	IEC:62053-23
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	AC high voltage test	IS:14697
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	AC high voltage test	IS:16444 (part-1)
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Insulation resistance test	13779
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Insulation resistance test	14697
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Insulation resistance test	CBIP Report 325



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21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Insulation resistance test	IS:16444 (part-1)
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Insulation resistance test	IS:16444 (Part-2)
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	CBIP Report :325
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	IEC: 62053-23
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	IEC:62053-21
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	IEC:62053-22
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	IS:14697
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Meter Constant	IS:16444 (Part-1)
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Repeatability of error	CBIP Report:325
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Repeatability of error	IS:13779



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31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Repeatability of error	IS:16444 (Part-1)
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Repeatability of error	IS:16444 (Part-2)
33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Repeatability of error test	14697
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	CBIP Report 325
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IEC:62052-11
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IEC:62053-21
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IEC:62053-22
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IEC:62053-23
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IS:13779
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IS:14697



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41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IS:16444 (Part-1)
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Running with no load / Test of no load conditions	IS:16444 (Part-2)
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	CBIP 325
44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IEC: 62053-21
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IEC:62052-11
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IEC:62053-22
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IEC:62053-23
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IS:16444 (Part-1)
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W ,Three Phase 3W, Three Phase 4W	Test of accuracy requirement / Limits of error due to variation of current	IS:16444 (Part-2)
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	AC High Voltage	IEC:62052-11



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51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	AC High Voltage	IEC:62053-22
52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	AC High Voltage	IS:13779
53	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	AC High Voltage	IS:16444 (Part-2)
54	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Meter Constant	IEC:62052-11
55	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Meter Constant	IS:13779
56	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Meter Constant	IS:16444 (Part-2)
57	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	CBIP Report:325
58	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IEC:62052-11
59	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IEC:62053-21
60	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IEC:62053-22



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61	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IEC:62053-23
62	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IS:13779
63	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IS:14697
64	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IS:16444 (Part-2)
65	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (static) Energy meters Single Phase 2W, Three Phase 3W, Three Phase 4W	Starting Conditions	IS:16444(Part-1)