National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : METER TESTING LABORATORY, ISKRAEMECO INDIA PRIVATE LIMITED, PLOT NO 22, BELAGOLA FOOD INDUSTRIAL AREA, METAGALLI POST, MYSORE, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 23/03/2023 to 22/03/2025 **Last Amended on** -

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	Electricity meters (1 Phase & 3 Phase Energy Meter, Class 1 & Class 2)	AC High Voltage Test	Cl.12.7.6.3 of IS 13779:2020
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Energy Meter, Class 1 & Class 2)	Insulation test	Cl.12.7.6.4 of IS 13779:2020
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Energy Meter, Class 1 & Class 2)	Test of meter constant	Cl.12.15 of IS 13779:2020
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Energy Meter, Class 1 & Class 2)	Test of no-load condition	Cl.12.13 of IS 13779 :2020
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Energy Meter, Class 1 & Class 2)	Test of power consumption test (Current circuit)	Cl.12.7.1 of IS 13779:2020
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Energy Meter, Class 1 & Class 2)	Test of power consumption test (Voltage Circuit in VA)	Cl.12.7.1 of IS 13779 :2020
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Energy Meter, Class 1 & Class 2)	Test of power consumption test (Voltage circuit in Watt)	Cl.12.7.1 of IS 13779:2020
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Energy Meter, Class 1 & Class 2)	Test of repeatability of error	Cl.12.17 of IS 13779:2020
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Energy Meter, Class 1 & Class 2)	Test of starting condition	Cl.12.14 of IS 13779:2020
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Energy Meter, Class 1 & Class 2)	Test on limits of error	Cl.11.1 of IS 13779 :2020

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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	Electricity Meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	AC High Voltage Test	Cl .6.10.6 of IS 16444(Part 1):2015
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Insulation resistance test	Cl. 6.10.6 of IS 16444 (Part 1):2015
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Insulation resistance test	Cl.6.10.6 of IS 16444 (Part 1):2015
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Insulation test	Cl.12.7.6.4 of IS 13779:2020
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Test of meter constant	Cl.6.12 of IS 16444 (Part 1):2015
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Test of no-load condition	Cl. 6.12 of IS 16444 (Part 1):2015
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Test of power consumption test (Current circuit)	Cl.6.10.1 of IS 16444 (Part 1):2015
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Test of power consumption test (Voltage Circuit -VA)	Cl. 6.10.1 of IS 16444(Part 1):2015
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Test of power consumption test (Voltage circuit -Watt)	Cl.6.10.1 of IS 16444 (Part 1):2015
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Test of repeatability of error	Cl.6.12 of IS 16444 (Part 1):2015
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Test of starting condition	Cl.6.12 of IS 16444 (Part 1):2015

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Meters (1 Phase & 3 Phase Smart Energy Meter, Class 1 & Class 2)	Test on limits of error	Cl.6.12 of IS 16444(Part 1):2015
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	AC High voltage test	Cl.12.7.6.3 of IS 14697:2021
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	Insulation test	Cl.12.7.6.4 of IS 14697:2021
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	Insulation test	Cl.12.7.6.4 of IS 14697:2021
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	Test of meter constant	Cl.12.14 of IS 14697:2021
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	Test of no-load condition	Cl.12.12 of IS 14697:2021
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	Test of power consumption test (Current circuit)	Cl.12.7.1 of IS 14697:2021
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	Test of power consumption test (Voltage circuit in VA)	Cl.12.7.1 of IS 14697:2021
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	Test of power consumption test (Voltage circuit in Watt)	Cl.12.7.1 of IS 14697:2021
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	Test of repeatability of error	Cl.12.16 of IS 14697:2021
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	Test of starting condition	Cl.12.13 of IS 14697:2021

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33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Energy Meter, Class 0.2s,0.5s & Class 1s)	Test on limits of error	Cl.11.1 of IS 14697:2021
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Ac High Voltage Test	Cl.6.10.6 of IS 16444(Part 2):2017
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Insulation resistance test	Cl.6.10.6 of IS 16444(Part 2):2017
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Insulation resistance test	Cl.6.10.6 of IS 16444(Part 2):2017
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Test of meter constant	Cl.6.12 of IS 16444(Part 2):2017
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Test of no-load condition	Cl.6.12 of IS 16444(Part 2):2017
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Test of power consumption test (Current Circuit)	Cl.6.10.1 of IS 16444(Part 2):2017
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Test of power consumption test (Voltage Circuit in VA)	Cl.6.10.1 of IS 16444 (Part 2):2017
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Test of power consumption test (Voltage Circuit in Watt)	Cl.6.10.1 of IS 16444 (Part 2):2017
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Test of repeatability of error	Cl.6.12 of IS 16444(Part 2):2017
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Test of starting condition	Cl.6.12 of IS 16444(Part 2):2017

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44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity meters (3 Phase Smart Energy Meter, Class 0.2s,0.5s & Class 1.0s)	Test on limits of error	Cl.6.12 of IS 16444 (Part 2):2017