National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : METER TESTING LABORATORY, DHBVN, SARHAUL MORE, SECTOR 18, GURGAON, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4053 **Page No** 1 of 3

Validity 04/03/2022 to 03/03/2024 **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	Energy Meter Class 0.2S & 0.5S	AC High Voltage Test	IS 14697, Clause No. 12.7.6.3
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 0.2S & 0.5S	Meter Constant Test	IS 14697, Clause No. 11.6 & 12.14
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 0.2S & 0.5S	No Load Test	IS 14697, Clause No. 11.4 & 12.12
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 0.2S & 0.5S	Power Consumption Test	IS 14697, Clause No. 9.1.1 & 9.1.2
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 0.2S & 0.5S	Repeatability of Error Test	IS 14697, Clause No. 11.7 & 12.16
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 0.2S & 0.5S	Starting Condition Test	IS 14697, Clause No. 11.5 & 12.13
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 0.2S & 0.5S	Test of Frequency Variation	IS 14697, Clause No. 11.2
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 0.2S & 0.5S	Test of Reverse Phase Sequence	IS 14697, Clause No. 11.2
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 0.2S & 0.5S	Test of Voltage Variation	IS 14697, Clause No. 11.2
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 0.2S and 0.5S	Insulation Resistance Test	IS 14697, Clause No. 12.7.6.4

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 0.2S and 0.5S	Limits of Error	IS 14697, Clause No. 11.1
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 1	AC High Voltage Test	IS 13779, Clause No. 12.7.6.3
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 1	Frequency variation test	IS 13779, Clause No. 11.2
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 1	Insulation Resistance Test	IS 13779, Clause No. 12.7.6.4
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 1	Reverse phase sequence	IS 13779, Clause No. 11.2
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 1	Test of Limits of Error	IS 13779, Clause No. 11.1
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meter Class 1	Voltage variation test	IS 13779, Clause No. 11.2
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meters Class 1	No Load condition	IS 13779, Clause No. 11.4 & 12.13
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meters Class 1	Power Consumption	IS 13779, Clause No. 9.1.1 and 9.1.2
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meters Class 1	Repeatability of Error	IS 13779, Clause No. 11.7 & 12.17
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meters Class 1	Starting Condition	IS 13779, Clause no. 11.5 & 12.14

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Energy Meters Class 1	Test of Meter constant	IS 13779, Clause No. 11.6 & 12.15
23	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer Class 0.2S, 0.5S & 0.5	Ratio Error Test	(Withdrawn Standard) IS 2705 (Part-2), Amendment 4, Clause No. 3.3.1 & 3.3.3
24	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer Class 0.2S, 0.5S, 0.5	Phase Error Test	(Withdrawn Standard) IS 2705 (Part-2), Amendment 4, Clause No. 3.3.1 & 3.3.3
25	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer Class 0.2S, 0.5S, 0.5	Phase Error Test	IS 16227 (Part-2), Clause No. 5.6.201.3
26	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer Class 0.2S, 0.5S, 0.5	Ratio Error Test	IS 16227 (Part-2), Clause No. 5.6.201.3
27	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 0.2 & 0.5	Ratio Error Test	(Withdrawn Standard) IS 3156 (Part-2), Amendment 4, Clause No. 5.1
28	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer Class 0.2 & 0.5	Phase Error Test	(Withdrawn Standard) IS 3156 (Part-2), Amendment 4, Clause No. 5.1
29	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer Class 0.2 & 0.5	Phase Error Test	IS 16227 (Part-3), Clause No. 5.6.301.3
30	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer Class 0.2 & 0.5	Ratio Error Test	IS 16227 (Part-3), Clause No. 5.6.301.3