National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : M.E. LABORATORY, PSPCL, CHUGITTI CHOWK ,PATHANKOT ROAD, JALANDHAR, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6199 **Page No** 1 of 4

Validity 30/08/2021 to 29/08/2023 **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	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	AC High Voltage (4kV)	IS 14697 Clause No. 12.7.6.3
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. Static Direct Connected Watthour Smart Meter (Accuracy Class 1.0, 2.0)	Test of Power Consumption in Current Circuit (Apparent Power	IS 16444 Clause No. 6.10.1.2
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. Static Direct Connected Watthour Smart Meter (Accuracy Class 1.0, 2.0)	Test of Power Consumption in Voltage Circuit (Apparent Power)	IS 16444 clause No. 6.10.1.1
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. Static Direct Connected Watthour Smart Meter (Accuracy Class 1.0, 2.0)	Test of Power Consumption in Voltage Circuit (True Power)	IS 16444 clause No 6.10.1.1.
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	AC High Voltage (2kV)	IS 14697 Clause No. 12.7.6.3
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Frequency Variation	IS 14697 Clause No. 11.2,9.2.1,12.10
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Insulation Resistance Test	IS 14697 Clause No. 12.7.6.4
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Limits of Error	IS:14697: Clause no.11.1:
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Power Consumption in Voltage Circuit (Apparent Power)	IS 14697 Clause No.9.1.1, 12.7.1
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Reversed Phase Sequence	IS 14697 Clause No. 11.2,9.2.1,12.10

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Test of Meter Constant	IS 14697 Clause No. 11.6,12.14
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Test of No Load Condition	IS: 14697: Cl. 11.4, 12.12
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Test of Power Consumption in Current Circuit (Apparent Power)	IS 14697 Clause No. 9.1.2, 12.7.1
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Test of Power consumption in Voltage Circuit (True Power)	IS:14697 Clause No. 9.1.1, 12.7.1
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Test of Repeatability of error	IS 14697 Clause No. 11.7,12.16
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Test of Starting Condition	IS: 14697: Clause No. 11.4.1, 11.5, 12.13
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Voltage Unbalance	IS 14697 Clause No. 9.2.1,11.2,12.10
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.2s, 0.5s)	Voltage Variation	IS 14697 Clause No. 11.2,9.2.1,12.10
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 0.5s, 1.0, 2.0)	Limits of Error	IS 15707
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	AC High Voltage (4kV)	IS: 13779 Clause No. 12.7.6.3
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Frequency Variation	IS 13779 Clause No. 11.2

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Insulation Resistance Test	IS 13779: Clause No. 12.7.6.4
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Limits of Error	IS : 13779 : Cl. 11.1
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Reversed Phase Sequence	IS 13779 Clause No. 11.2
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Test of Meter Constant	IS 13779: Clause No. 11.6, 12.15
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Test of No Load Condition	IS 13779: Clause No. 11.4, 12.13
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Test of Power Consumption in Current Circuit (Apparent Power)	IS 13779: Clause No. 9.1.2
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Test of Power Consumption in Voltage Circuit (Apparent Power)	IS 13779: Clause No. 9.1.1
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Test of Power Consumption in Voltage Circuit (True Power)	IS 13779: Clause No. 9.1.1
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Test of Repeatability of error	IS 13779: Clause No.11.7 , 12.17
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Test of Starting Condition	IS: 13779 Clause No. 11.5, 12.14
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Voltage Unbalance	IS 13779: Clause No. 11.2, 12.11

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33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meter (Accuracy Class 1.0, 2.0)	Voltage Variation	IS 13779 Clause No. 11.2,12.11
34	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers (Accuracy Class 0.2s, 0.5s)	Phase Error	IS 16227 Part-II, Cl: 5, Table 1a, 1c, (reaffirmed)
35	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers (Accuracy Class 0.2s, 0.5s)	Ratio Error	IS 16227 Part-II, Cl: 5, Table 1a, 1c, (reaffirmed)
36	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage Transformers (Accuracy Class 0.2, 0.5)	Phase Error	IS 3156 (Part 2) Clause No. 5.1
37	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage Transformers (Accuracy Class 0.2, 0.5)	Ratio Error	IS: 3156 (part2): Clause No. 5.1