National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	TESTING AND QUALITY ASSURANCE LABORATORY MSEDCL, TESTING DIVISION (U), PRAKASH BHAVAN, LINK ROAD, SADAR, NAGPUR, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6882	**Page No**	1 of 2
Validity	04/02/2023 to 03/02/2025	**Last Amended on**	14/02/2023

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	AC Static Transformer Operated Watt hour and VAR hour Meter (Class 0.2s,0.5s and 1.0s)	Test of Starting Condition	IS 14697:2021 (Cl. 11.5)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt hour and VAR hour Meters (Class 0.2s,0.5s and 1.0s)	Test of Repeatability of Errors	IS 14697: 2021(Cl. 11.7)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and Var-Hour Meter (Class 0.2s,0.5s and 1.0s)	Test of No Load Condition	IS 14697:2021 (Cl.12.12)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and Var-Hour Meter (Class 0.2s,0.5s and 1.0s)	Test of Power Consumption	IS 14697:2021 (Cl. 12.7.1)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and Var-hour Meters (Class 0.2s,0.5s and 1.0s)	Limits of Error due to other influence quantities -Voltage quantities -Frequency Variation -Reversed Phase Sequence - Waveform: 10% of third harmonics in current Circuit	IS 14697: 2021(Cl. 11.2)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and Var-hour Meters (Class 0.2s,0.5s,1.0s)	Limits of Error due to variation of Current	IS 14697:2021 (Cl.11.1)
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAr-hour meters(Class 0.2s , 0.5s and 1.0s)	Test of Meter Constant	IS 14697:2021 (Cl.11.6)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt hour Meters (Class 1.0 and 2.0)	Test of Starting Condition	IS 13779:2020 (Cl.12.14)
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters (Class 1.0 and 2)	Limits of Error due to Variation of current	IS 13779 :2020 (Clause 11.1)

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10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters (Class 1.0 and 2.0)	Limits of Error due to other influence quantities -Voltage variation -Frequency Variation - Reverse Phase Sequence - Waveform:10% of third harmonic in current circuit	IS 13779:2020 (Cl.11.2)
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters (Class 1.0 and 2.0)	Test of Meter Constant	IS 13779:2020(Cl.11.6)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters (Class 1.0 and 2.0)	Test of No Load Condition	IS 13779:2020(Cl.12.13)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters (Class 1.0 and 2.0)	Test of Power Consumption	IS 13779:2020 (Cl.12.7.1)
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters (Class 1.0 and 2.0)	Test of Repeatability of Error	IS 13779:2020 (Cl. 12.17)