National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL METER TESTING LABORATORY, J.V.V.N.L, HAWA SARAK, CIVIL LINES, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7884 **Page No** 1 of 2

Validity 30/09/2022 to 29/09/2024 **Last Amended on** 02/10/2022

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	AC STATIC WATT HOUR & VAR HOUR METERS Class 0.2S, 0.5S & 1.0S	Limit of Errors	IS 14697(CL: 11.1)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR & VAR HOUR METERS Class 0.2S, 0.5S & 1.0S	Meter Constant	IS 14697 (CL: 11.6)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR & VAR HOUR METERS Class 0.2S, 0.5S & 1.0S	No Load condition	IS 14697 (CL: 11.4.2)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR & VAR HOUR METERS Class 0.2S, 0.5S & 1.0S	Repeatability of errors test	IS 14697 (CL: 11.7)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR & VAR HOUR METERS Class 0.2S, 0.5S & 1.0S	Starting condition	IS 14697 (CL: 12.13)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR & VAR HOUR METERS Class 0.2S, 0.5S & 1.0S	Test of Influence quantity voltage variation, frequency variation, reverse phase sequence, influence of 10% of third harmonics in current circuit,	IS 14697 (CL: 11.2 Table No. 13)
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR & VAR HOUR METERS Class 0.2S, 0.5S & 1.0S	Test of Power Consumption/ Power Loss for Voltage and Current Circuit	IS 14697(CL: 9.1 Table No. 6 & 7)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR METERS Class 1 & 2	Limit of Errors	IS 13779 (CL: 11.1)
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR METERS Class 1 & 2	Meter Constant	IS 13779 (Cl 11.6)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR METERS Class 1 & 2	No Load condition	IEC 62053-21(Cl 7.6)

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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	AC STATIC WATT HOUR METERS Class 1 & 2	No Load condition	IS 13779(Cl.11.4.2)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR METERS Class 1 & 2	Repeatability of errors test	IS 13779 (Cl 11.7)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR METERS Class 1 & 2	Starting Condition	IS 13779 (Cl 11.5 table No.19)
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT HOUR METERS Class 1 & 2	Test of Influence quantity voltage variation, frequency variation, reverse phase sequence, influence of 10% of third harmonics in current circuit, DC component in AC current circuit	IS 13779(CL: 11.2) (Table No 17)
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATTHOUR METERSClass 1 & 2	Test of PowerConsumption/ PowerLoss for Voltage andCurrent Circuit	IS 13779 (Cl. 9.1 table No.9 & 10)