National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	METER TESTING LABORATORY, TATA POWER DELHI DISTRIBUTION LIMITED, 4/13, SUBSTATION BUILDING, SECTOR-13, ROHINI, DISTRICT - NORTH WEST, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10142	**Page No**	1 of 3
Validity	07/12/2021 to 06/12/2023	**Last Amended on**	27/12/2022

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 direct connected watt-hour smart meter class 1 and 2	Functional requirements (Disconnection Mechanism, Reconnection Mechanism, Load Switch and event logging, Smart Meter Response Check)	IS 16444 - Cl no. 11 (From 11.1 to 11.7)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static direct connected watthour smart meter class 1 and 2	Limits of Error due to variation in Current	IS 16444: (Clause no. 6.12)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static direct connected watthour smart meter class 1 and 2	Meter Constant	IS 16444:2020 (Clause no. 6.12), IS 13779:(Second Revision) Clause no. 11.4, 12.13)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static direct connected watthour smart meter class 1 and 2	No Load Condition	IS 16444:2020) (Clause no. 6.12 IS 13779 (Second Revision) Clause no. 11.4, 12.13)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static direct connected watthour smart meter class 1 and 2	Repeatability of Error	IS 16444:2020 (Clause no. 6.12, IS 13779: (Second Revision) Clause no. 11.7, 12.17)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static direct connected watthour smart meter class 1 and 2	Starting Current	IS 16444: (Clause no. 6.12)
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated , watthour and var - Hour meters, class 0.2 S and 0.5 S	Limits of Error due to variation in Current	IS 14697:(First Revision) Clause no. 11.1
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated , watthour and var - Hour meters, class 0.2 S and 0.5 S	Meter Constant	IS 14697 (First Revision) Clause no. 11.6, 12.14
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated , watthour and var - Hour meters, class 0.2 S and 0.5 S	No Load Condition	IS 14697 (First Revision)Clause no.11.4,12.12)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated , watthour and var - Hour meters, class 0.2 S and 0.5 S	Repeatability of Error	IS 14697(First Revision)Clause no.11.7,12.16)

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Accreditation Standard ISO/IEC 17025:2017

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated watt hour and var - Hour smart meters, class 0.2 S, 0.5 S and 1.0 S	Limits of Error due to variation in Current	IS16444(Part 2)Clause no. 6.12
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated watt hour and var - Hour smart meters, class 0.2 S, 0.5 S and 1.0 S	Meter Constant	IS 16444(Part 2)Clause no 6.12
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated watt hour and var - Hour smart meters, class 0.2 S, 0.5 S and 1.0 S	No Load Condition	IS 16444 part 2-2017 cl no. 6.12, IS 14697 (First revision) clause number 11.4, 12.12
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated watt hour and var - Hour smart meters, class 0.2 S, 0.5 S and 1.0 S	Repeatability of Error	IS16444 (Part 2: 2017,clause no 6.12, IS 14697 (First Revision) Clause no 11.7,12.16
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated watt hour and var - Hour smart meters, class 0.2 S, 0.5 S and 1.0 S	Smart meter functional requirements (Smart meter response check	IS16444(Part 2):2017 Clause no.10 (From 10.1to10.2)
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated watt hour and var - Hour smart meters, class 0.2 S, 0.5 S and 1.0 S	Starting Current	IS16444(Part 2):2017 Clause no.6.12(IS14697(First Revision)Clause no.11.5,12.13)
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated, watthour and var-Hour meters, class 0.2 S and 0.5 S	Starting Current	IS 14697(First Revision) Clause no.11.5, 12.13)
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters, Class 1 & 2	Limits of Error due to variation in Current	IS13779(Second Revision)Clause no. 11.1
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters, Class 1 & 2	Meter Constant	IS 13779(Second Revision)Clause no.11.6,12.15
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters, Class 1 & 2	No Load Condition	IS13779(Second Revision)Clause no.11.4,12.13)
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters, Class 1 & 2	Repeatability of Error	IS13779(Second Revision)Clause no.11.7,12.17)

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters, Class 1 & 2	Starting Current	IS13779(Second Revision) Clause no.11.5,12.14)