National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TANGEDCO MOBILE TESTING LABORATORY, EE RURAL OFFICE CAMPUS, SIVANTHIPATTI ROAD, TANGEDCO, THIYAGARAJA NAGAR, TIRUNELVELI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11048 **Page No** 1 of 3

Validity 11/10/2022 to 10/10/2024 **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
Mobile Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watthour Smart Meter of Class 1 and 2	Meter Constant	IS 16444 (Clause 6.12)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watthour Smart Meter of Class 1 and 2	No Load Test	IS 16444 (Clause 6.12)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watthour Smart Meter of Class 1 and 2	Starting Condition	IS 16444 (Clause 6.12)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watthour Smart Meter of Class 1 and 2	Limits of Error	IS 16444 (Clause 6.12)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watthour Smart Meter of Class 1 and 2	Repeatability of Error	IS 16444 (Clause 6.12)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watthour Smart Meter of Class 1 and 2	Test of Influence Quantities - Frequency Variation	IS 16444 (Clause 6.12)
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watthour Smart Meter of Class 1 and 2	Test of Influence Quantities - Voltage Variation	IS 16444 (Clause 6.12)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Energy Meter of Class 1 and 2	Limits of Error	IS 13779 (Clause 11.1)
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Energy Meter of Class 1 and 2	Meter Constant	IS 13779 (Clause 12.15)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Energy Meter of Class 1 and 2	No Load Test	IS 13779 (Clause 12.13)

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Energy Meter of Class 1 and 2	Repeatability of Error	IS 13779 (Clause 12.17)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Energy Meter of Class 1 and 2	Starting Condition	IS 13779 (Clause 12.14)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Energy Meter of Class 1 and 2	Test of Influence Quantities - Frequency Variation	IS 13779 (Clause 11.1, 11.2 & 12.11)
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Energy Meter of Class 1 and 2	Test of Influence Quantities - Voltage Variation	IS 13779 (Clause 11.1, 11.2 & 12.11)
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Energy Meter of Class 0.2S and 0.5S	15-Minute Block Average Frequency Measurement Test	CBIP No. 325 (Clause 6.9 (c - i))
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Energy Meter of Class 0.2S and 0.5S	Limits of Error	IS 14697 (Clause 11.1)
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Energy Meter of Class 0.2S and 0.5S	Meter Constant	IS 14697 (Clause 12.14)
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Energy Meter of Class 0.2S and 0.5S	Meter Constant	IS 16444 (Part 2, Clause 6.12)
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Energy Meter of Class 0.2S and 0.5S	No Load Test	IS 14697 (Clause 12.12)
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Energy Meter of Class 0.2S and 0.5S	Reactive Energy Registration - Verification Test During Voltage High (V greater than 103%) and Voltage Low (V less than 97%)	CBIP No. 325 (Clause 6.1 (c - iv & v))

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21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Energy Meter of Class 0.2S and 0.5S	Repeatability of Error	IS 14697 (Clause 12.16)
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Energy Meter of Class 0.2S and 0.5S	Starting Condition	IS 14697 (Clause 12.13)
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Energy Meter of Class 0.2S and 0.5S	Test of Influence Quantities - Frequency Variation	IS 14697 (Clause 11.1, 11.2 & 12.10)
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Energy Meter of Class 0.2S and 0.5S	Test of Influence Quantities - Voltage Variation	IS 14697 (Clause 11.1, 11.2 & 12.10)
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Smart Meter of Class 0.2S and 0.5S	Limits of Error	IS 16444 (Part 2, Clause 6.12)
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Smart Meter of Class 0.2S and 0.5S	No Load Test	IS 16444 (Part 2, Clause 6.12)
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Smart Meter of Class 0.2S and 0.5S	Repeatability of Error	IS 16444 (Part 2, Clause 6.12)
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Smart Meter of Class 0.2S and 0.5S	Starting Condition	IS 16444 (Part 2, Clause 6.12)
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Smart Meter of Class 0.2S and 0.5S	Test of Influence Quantities - Frequency Variation	IS 16444 (Part 2, Clause 6.12)
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Smart Meter of Class 0.2S and 0.5S	Test of Influence Quantities - Voltage Variation	IS 16444 (Part 2, Clause 6.12)