



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

ENERGY METER CALIBRATION LAB

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

SREE KRISHNA NAGAR, SREEKARIYAM (P.O), THIRUVANANTHAPURAM, KERALA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-3601

Issue Date: 08/06/2023

Valid Until: 07/06/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity: ENERGY MANAGEMENT CENTRE

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ENERGY METER CALIBRATION LAB, SREE KRISHNA NAGAR, SREEKARIYAM (P.O),
THIRUVANANTHAPURAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3601

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Validity

08/06/2023 to 07/06/2025

Last Amended on

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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(\pm)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Active Energy - 1 Phase and 3 Phase (240 Volt, 50 Hz, 1 A to 100A, 0.5 to UPF - Lead/Lag)	Using Three Phase Portable Reference Standard by Direct Method	120 Wh to 12 kWh	0.24%
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Reactive Energy - 1 Phase and 3 Phase (240 Volt, 50 Hz, 1 A to 100A, 0.5 to UPF - Lead/Lag)	Using Three Phase Portable Reference Standard by Direct Method	120 VARh to 12 kVARh	0.24%
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Active Energy - 1 Phase and 3 Phase (240 Volt, 50 Hz, 0.02 A to 100 A, 0.5 PF to UPF - Lead/Lag)	Using Portable Three Phase Fully Automatic Test System with Integrated Current and Voltage Source by Direct Method	2.4 Wh to 24 kWh	0.12 % to 0.16 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Reactive Energy - 1 Phase and 3 Phase (240 Volt, 50 Hz, 0.02 A to 100 A, 0.5 PF to UPF - Lead/Lag)	Using Portable Three Phase Fully Automatic Test System with Integrated Current and Voltage Source by Direct Method	2.4 VARh to 24 kVARh	0.12 % to 0.16 %

* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of $k = 2$.