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

ENERGY MANAGEMENT CENTRE, THIRUVANANTHAPURAM, KERALA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-3211

Issue Date: 03/02/2021 **Valid Until:** 02/02/2023

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 METER CALIBRATION LAB

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, ENERGY MANAGEMENT CENTRE, THIRUVANANTHAPURAM, KERALA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3211	**Page No**	1 of 1
Validity	03/02/2021 to 02/02/2023	**Last Amended on**	-

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)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Active and Reactive Power/ Energy (1/3 Phase) 240V, 0.02A - 100A, 0.5 PF to 1 (Lag/ Lead) .	Three phase portable reference standard by direct method	2.4 W/Var/Wh to 24 kW/kVar/kWh	0.24 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Active and Reactive Power/ Energy (1/3 Phase) 60V- 250V, 0.02A - 120A, 0.5 PF to 1 (Lag/ Lead) .	Portable Three Phase Fully Automatic Test System with Integrated Current and Voltage Source by direct method	0.6 W/Var/Wh to 30 kW/kVar/kWh	0.12 % to 0.16 %

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