



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

AADHNI MEASUREMATIC INDIA ELECTRICAL LAB LLP, NO. 9, 14TH CROSS STREET, MAHARAJA NAGAR, PALAYAMKOTTAI, TIRUNELVELI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15152

Page No 1 of 6

Validity 10/05/2025 to 09/05/2029

Last Amended on 17/05/2025

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 Testing				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Smart Meter Class 1 & 2 (1 Phase and 3 Phase)	Limits of Error	Clause 6.12 of IS 16444 (Part 1)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Smart Meter Class 1 & 2 (1 Phase and 3 Phase)	Meter constant	Clause 6.12 of IS 16444 (Part 1)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Smart Meter Class 1 & 2 (1 Phase and 3 Phase)	No load Condition	Clause 6.12 of IS 16444 (Part 1)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Smart Meter Class 1 & 2 (1 Phase and 3 Phase)	Starting Condition	Clause 6.12 of IS 16444 (Part 1)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Smart Meter (Class 0.2s, 0.5s and 1.0s)	Limits of Error	Clause 6.12 of IS 16444 (Part 2)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Meter (Class 0.2s, 0.5s and 1.0s)	Limits of Error	Clause 11.1 of IS 14697
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Meter (Class 0.2s, 0.5s and 1.0s)	Meter Constant	Clause 12.14 of IS 14697
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Meter (Class 0.2s, 0.5s and 1.0s)	No Load Condition	Clause 12.12 of IS 14697
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Meter (Class 0.2s, 0.5s and 1.0s)	Starting Condition	Clause 12.13 of IS 14697
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Smart Meter (Class 0.2s, 0.5s and 1.0s)	Meter Constant	Clause 6.12 of IS 16444 (Part 2)
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Smart Meter (Class 0.2s, 0.5s and 1.0s)	No Load Condition	Clause 6.12 of IS 16444 (Part 2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

AADHNI MEASUREMATIC INDIA ELECTRICAL LAB LLP, NO. 9, 14TH CROSS STREET, MAHARAJA NAGAR, PALAYAMKOTTAI, TIRUNELVELI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15152

Page No 2 of 6

Validity 10/05/2025 to 09/05/2029

Last Amended on 17/05/2025

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
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Smart Meter (Class 0.2s, 0.5s and 1.0s)	Starting Condition	Clause 6.12 of IS 16444 (Part 2)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s, 0.5s, 1.0	Reactive Energy Registration Verification during voltage high (V>103%) & voltage low (V	Clause 6.9 (C) (iv & v) of CBIP No. 325
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s, 0.5s, 1.0	15 Minute Block Average Frequency Measurement	Clause 6.9 (C) (i) of CBIP No. 325
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2 (1 Phase & 3 Phase)	Limits of Error	Clause 11.1 of IS 13779
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2 (1 Phase & 3 Phase)	Meter Constant	Clause 12.15 of IS 13779
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2 (1 Phase & 3 Phase)	No Load Condition	Clause 12.13 of IS 13779
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2 (1 Phase & 3 Phase)	Starting Condition	Clause 12.14 of IS 13779
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for AC energy (class 0.1s, 0.2s and 0.5s)	Limits of Error	Clause 7.9 of IEC 62053-22
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for AC energy (class 0.1s, 0.2s and 0.5s)	Meter Constant	Clause 7.4 of IEC 62053-22
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for AC energy (class 0.1s, 0.2s and 0.5s)	No Load Condition	Clause 7.6 of IEC 62053-22
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for AC energy (class 0.1s, 0.2s and 0.5s)	Starting Condition	Clause 7.7 of IEC 62053-22
23	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Transformer	Terminal Markings	Clause 6.13.401 of IS 16227 (Part 4), IEC 61869-4

This is annexure to 'Certificate of Accreditation' and does not require any signature.



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

AADHNI MEASUREMATIC INDIA ELECTRICAL LAB LLP, NO. 9, 14TH CROSS STREET, MAHARAJA NAGAR, PALAYAMKOTTAI, TIRUNELVELI, TAMIL NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-15152

Page No

3 of 6

Validity

10/05/2025 to 09/05/2029

Last Amended on

17/05/2025

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
24	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Transformer 1A-2400A Primary 1A/5A Secondary 6.6kV to 33kV (Primary) 110V (Secondary)	Accuracy	Clause 7.2.6.401 & 402 of IS 16227 (Part 4), IEC 61869-4
25	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (1A-2400A Primary 1A/5A Secondary)	Accuracy	Clause 7.2.6.201 of IS 16227 (Part 2), IEC 61869 - 2
26	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformers	Terminal Markings	Clause 6.13.201 of IS 16227 (Part 2), IEC 61869-2
27	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformer (Single Phase & Three Phase) 6.6kV to 33kV 6.6kV/v3 to 33kV/v3 (Primary) 63.5V/110V (Secondary)	Accuracy	Clause 7.2.6.301 of IS 16227 (Part 3), IEC 61869-3
28	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers (Single Phase & Three Phase)	Terminal Markings	Clause 6.13.301 of IS 16227 (Part 3), IEC 61869-3



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

AADHNI MEASUREMATIC INDIA ELECTRICAL LAB LLP, NO. 9, 14TH CROSS STREET, MAHARAJA NAGAR, PALAYAMKOTTAI, TIRUNELVELI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15152

Page No 4 of 6

Validity 10/05/2025 to 09/05/2029

Last Amended on 17/05/2025

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
Site Testing				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Smart Meter Class 1 & 2 (1 Phase and 3 Phase)	Limits of Error	Clause 6.12 of IS 16444 (Part 1)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Smart Meter Class 1 & 2 (1 Phase and 3 Phase)	Meter constant	Clause 6.12 of IS 16444 (Part 1)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Smart Meter Class 1 & 2 (1 Phase and 3 Phase)	No load Condition	Clause 6.12 of IS 16444 (Part 1)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Smart Meter Class 1 & 2 (1 Phase and 3 Phase)	Starting Condition	Clause 6.12 of IS 16444 (Part 1)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Smart Meter (Class 0.2s, 0.5s and 1.0s)	Limits of Error	Clause 6.12 of IS 16444 (Part 2)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Meter (Class 0.2s, 0.5s and 1.0s)	Limits of Error	Clause 11.1 of IS 14697
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Meter (Class 0.2s, 0.5s and 1.0s)	Meter Constant	Clause 12.14 of IS 14697
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Meter (Class 0.2s, 0.5s and 1.0s)	No Load Condition	Clause 12.12 of IS 14697
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Meter (Class 0.2s, 0.5s and 1.0s)	Starting Condition	Clause 12.13 of IS 14697
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Smart Meter (Class 0.2s, 0.5s and 1.0s)	Meter Constant	Clause 6.12 of IS 16444 (Part 2)
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Smart Meter (Class 0.2s, 0.5s and 1.0s)	No Load Condition	Clause 6.12 of IS 16444 (Part 2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

AADHNI MEASUREMATIC INDIA ELECTRICAL LAB LLP, NO. 9, 14TH CROSS STREET, MAHARAJA NAGAR, PALAYAMKOTTAI, TIRUNELVELI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15152

Page No 5 of 6

Validity 10/05/2025 to 09/05/2029

Last Amended on 17/05/2025

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
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and VAR - hour Smart Meter (Class 0.2s, 0.5s and 1.0s)	Starting Condition	Clause 6.12 of IS 16444 (Part 2)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s, 0.5s, 1.0	Reactive Energy Registration Verification during voltage high (V>103%) & voltage low (V	Clause 6.9 (C) (iv & v) of CBIP No. 325
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s, 0.5s, 1.0	15 Minute Block Average Frequency Measurement	Clause 6.9 (C) (i) of CBIP No. 325
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2 (1 Phase & 3 Phase)	Limits of Error	Clause 11.1 of IS 13779
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2 (1 Phase & 3 Phase)	Meter Constant	Clause 12.15 of IS 13779
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2 (1 Phase & 3 Phase)	No Load Condition	Clause 12.13 of IS 13779
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2 (1 Phase & 3 Phase)	Starting Condition	Clause 12.14 of IS 13779
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for AC energy (class 0.1s, 0.2s and 0.5s)	Limits of Error	Clause 7.9 of IEC 62053-22
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for AC energy (class 0.1s, 0.2s and 0.5s)	Meter Constant	Clause 7.4 of IEC 62053-22
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for AC energy (class 0.1s, 0.2s and 0.5s)	No Load Condition	Clause 7.6 of IEC 62053-22
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for AC energy (class 0.1s, 0.2s and 0.5s)	Starting Condition	Clause 7.7 of IEC 62053-22
23	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Transformer	Terminal Markings	Clause 6.13.401 of IS 16227 (Part 4), IEC 61869-4

This is annexure to 'Certificate of Accreditation' and does not require any signature.



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

AADHNI MEASUREMATIC INDIA ELECTRICAL LAB LLP, NO. 9, 14TH CROSS STREET, MAHARAJA NAGAR, PALAYAMKOTTAI, TIRUNELVELI, TAMIL NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-15152

Page No

6 of 6

Validity

10/05/2025 to 09/05/2029

Last Amended on

17/05/2025

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
24	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Transformer 1A-2400A Primary 1A/5A Secondary 6.6kV to 33kV (Primary) 110V (Secondary)	Accuracy	Clause 7.2.6.401 & 402 of IS 16227 (Part 4), IEC 61869-4
25	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (1A-2400A Primary 1A/5A Secondary)	Accuracy	Clause 7.2.6.201 of IS 16227 (Part 2), IEC 61869 - 2
26	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformers	Terminal Markings	Clause 6.13.201 of IS 16227 (Part 2), IEC 61869-2
27	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformer (Single Phase & Three Phase) 6.6kV to 33kV 6.6kV/v3 to 33kV/v3 (Primary) 63.5V/110V (Secondary)	Accuracy	Clause 7.2.6.301 of IS 16227 (Part 3), IEC 61869-3
28	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage Transformers 66kV/v3 to 132kV/v3 (Primary) 110V/v3 (Secondary)	Accuracy	Clause 7.2.6.301 of IS 16227 (Part 3), IEC 61869-3
29	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers (Single Phase & Three Phase)	Terminal Markings	Clause 6.13.301 of IS 16227 (Part 3), IEC 61869-3