



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

MSIR INDIA PRIVATE LIMITED

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

#40, 2ND FLOOR, 2ND STREET, PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM,
TAMIL NADU, INDIA

in the field of

CALIBRATION

Certificate Number: CC-3687

Issue Date: 28/08/2025

Valid Until: 27/08/2029

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 Entity: MSIR INDIA PRIVATE LIMITED

Signed for and on behalf of NABL




Anita Rani
Director


Chakravarthy T. Kannan
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

1 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)	3 Phase 4 Wire AC Active Energy @ 50 Hz (63.5 V to 220 V, 0.5 A to 5 A,0.5 Lead / Lag to UPF)	Using Standard Energy Meter and Three Phase Energy Source By Comparison Method	15.875 Wh to 3.33 kWh	0.25 % to 0.26 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.3 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 6½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 A to 10 A	0.3 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 mA to 100 mA	0.14 % to 0.2 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	1 mA to 100 mA	0.14 % to 0.2 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 µA to 100 µA	0.53 % to 0.2 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

2 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	10 µA to 100 µA	0.53 % to 0.2 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	100 µA to 1 mA	0.13 % to 0.14 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	100 µA to 1 mA	0.13 % to 0.14 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	100 mA to 1 A	0.2 % to 0.21 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.2 % to 0.21 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Shunt With Multimeter by Direct Method	10 A to 30 A	0.07 % to 0.08 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 3 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50Hz	Using Shunt With Multimeter by Direct Method	30 A to 100 A	0.08 % to 0.25 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	1 mV to 10 mV	0.5 % to 0.38 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 mV to 10 mV	0.5 % to 0.63 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 V to 10 V	0.02 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	1 V to 10 V	0.02 % to 0.01 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	10 mV to 1 V	0.05 % to 0.02 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

4 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 mV to 1 V	0.63 % to 0.02 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	10 V to 100 V	0.01 % to 0.04 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 V to 100 V	0.02 % to 0.04 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	100 V to 750 V	0.03 % to 0.05 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	100 V to 750 V	0.04 % to 0.05 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	1 A to 20 A	0.08 % to 0.31 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

5 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
25	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	1 mA to 1 A	0.14 % to 0.08 %
26	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	100 µA to 1 mA	0.31 % to 0.14 %
27	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	30 µA to 100 µA	1.58 % to 0.31 %
28	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC High Current @ 50 Hz	Using Multiproduct Calibrator with Current Coil by Direct Method	20 A to 1000 A	0.45 % to 0.31 %
29	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power @ 50 Hz (60 V to 240 V, 0.1 A to 20 A, Lead / Lag 0.5 to UPF)	Using Multiproduct Calibrator by Direct Method	6 W to 4.8 kW	0.2 %
30	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power Factor @ 50 Hz	Using Multiproduct Calibrator by Direct Method	0.2 (Lead / Lag) to UPF	0.0036 PF
31	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz to 100 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 10 mV	2.56 % to 0.56 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

6 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz to 100 kHz	Using Multiproduct Calibrator by Direct Method	10 mV to 300 mV	0.56 % to 0.12 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 10 mV	2.37 % to 0.11 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	10 mV to 300 mV	0.11 % to 0.03 %
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	300 mV to 1000 V	0.05 % to 0.04 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 100 kHz	Using Multiproduct Calibrator by Direct Method	300 mV to 100 V	0.11 % to 0.30 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	0.22 nF to 1 nF	2.84 %
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	1 µF to 100 µF	0.5 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 7 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
39	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	1 nF to 1 μ F	0.6 % to 0.5 %
40	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Standard Inductance Box by Direct Method	0.1 mH to 10 H	2.43 %
41	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 μ A to 10 μ A	0.7 % to 0.074 %
42	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 μ A to 10 μ A	0.7 % to 0.074 %
43	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.02 % to 0.025 %
44	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter, Multiproduct Calibrator by Comparison Method	1 A to 10 A	0.02 % to 0.025 %
45	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 μ A to 10 mA	0.074 % to 0.006 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 8 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 µA to 10 mA	0.074 % to 0.006 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Shunt with Multimeter by V/I Method	10 A to 30 A	0.025 % to 0.29 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 mA to 1 A	0.006 % to 0.02 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 mA to 1 A	0.006 % to 0.02 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Shunt with Multimeter by Direct Method	30 A to 100 A	0.29 % to 0.30 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 mV to 1 V	0.063 % to 0.0008 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 mV to 1 V	0.063 % to 0.0008 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 9 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter , Multiproduct Calibrator by Comparison Method	1 V to 100 V	0.0008 % to 0.0009 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 V to 100 V	0.0008 % to 0.0009 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	100 V to 1000 V	0.0009 % to 0.0011 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	100 V to 1000 V	0.0009 % to 0.0012 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 Mohm to 10 Mohm	0.003 % to 0.12 %
58	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digit Multimeter by Direct Method	1 Mohm to 10 Mohm	0.003 % to 0.12 %
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter by Direct Method	10 Mohm to 1 Gohm	0.12 % to 0.62 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 10 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 Mohm to 1 Gohm	0.12 % to 0.65 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 8½ Digit Multimeter by Direct Method	1 kohm to 1 Mohm	0.008 % to 0.002 %
62	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 kohm to 1 Mohm	0.008 % to 0.003 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter by Direct Method	1 Ohm to 1 kohm	0.002 % to 0.008 %
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 Ohm to 1 kohm	0.01 % to 0.008 %
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 8½ Digit Multimeter by Direct Method	100 mohm to 1 Ohm	0.12 % to 0.01 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter, Multiproduct Calibrator by Comparison Method	100 mohm to 1 ohm	0.12 % to 0.01 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

11 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
67	ELECTRO- TECHNICAL- DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	10 µA to 100 µA	0.26 % to 0.05 %
68	ELECTRO- TECHNICAL- DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	100 µA to 329 mA	0.05 % to 0.014 %
69	ELECTRO- TECHNICAL- DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	2.99 A to 20 A	0.05 % to 0.31 %
70	ELECTRO- TECHNICAL- DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	329 mA to 2.99 A	0.014 % to 0.05 %
71	ELECTRO- TECHNICAL- DIRECT CURRENT (Source)	DC High Current	Using Multiproduct Calibrator and clamp coil adaptor by Direct Method	20 A to 1000 A	0.55 % to 0.32 %
72	ELECTRO- TECHNICAL- DIRECT CURRENT (Source)	DC Power (1 V to 1000 V, 0.1 A to 20 A)	Using Multiproduct Calibrator by Direct Method	0.1 W to 1 W	0.6 % to 0.12 %
73	ELECTRO- TECHNICAL- DIRECT CURRENT (Source)	DC Power (1 V to 1000 V, 0.1 A to 20 A)	Using Multiproduct Calibrator by Direct Method	1 W to 20 kW	0.12 % to 0.06 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 12 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
74	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire / 4 wire)	Using Multiproduct Calibrator by Direct Method	10 Ohm to 1 Mohm	0.006 % to 0.0043 %
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Multiproduct Calibrator by Direct Method	1 Mohm to 10 Mohm	0.0043 % to 0.61 %
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Standard Meg Ohm Box By Direct Method	10 Gohm	3.5 %
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Multiproduct Calibrator by Direct Method	10 Mohm to 100 Mohm	0.61 %
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Multiproduct Calibrator by Direct Method	100 Mohm to 1 Gohm	0.61 % to 1.78 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Standard Meg Ohm Box By Direct Method	2 Gohm	3.5 %
80	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Standard Meg Ohm Box By Direct Method	20 Gohm	3.5 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 13 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Low Resistance Box by Direct Method	1 mohm	1.54 %
82	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 Ohm to 10 Ohm	0.022 % to 0.006 %
83	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Low Resistance Box by Direct Method	10 mohm	1.24 %
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Low Resistance Box by Direct Method	100 µohm	1.39 %
85	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Multiproduct Calibrator by Direct Method	100 mohm to 1 Ohm	0.61 % to 0.022 %
86	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - (2 Wire @ 1000 V)	Using Standard Meg Ohm Box By Direct Method	200 Gohm	3.5 %
87	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - (2 Wire @ 1000 V)	Using Standard Meg Ohm Box By Direct Method	50 Gohm	3.5 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 14 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
88	ELECTRO- TECHNICAL- DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	1 mV to 329 mV	0.18 % to 0.0041 %
89	ELECTRO- TECHNICAL- DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	3.29 V to 1000 V	0.0014 % to 0.0024 %
90	ELECTRO- TECHNICAL- DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	329 mV to 3.29 V	0.0041 % to 0.0015 %
91	ELECTRO- TECHNICAL- ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude (vertical Axis Deflection Factor) AC 1 kHz Square Wave	Using Multiproduct Calibrator by Direct Method	1 mVpp to 130 Vpp	1.5 % to 0.18 %
92	ELECTRO- TECHNICAL- ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct Method	50 kHz to 1.1 GHz	3.8 % to 6.1 %
93	ELECTRO- TECHNICAL- ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time base	Using Multiproduct Calibrator by Direct Method	1 ns to 5 s	0.2 % to 0.1 %
94	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Measure)	RTD	Using 6 ½ Digit Multimeter By Direct Method	(-)190 °C to 600 °C	0.3 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 15 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
95	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple B Type	Using Multiproduct Calibrator by Direct Method	600 °C to 1800 °C	0.87°C
96	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple E Type	Using Multiproduct Calibrator by Direct Method	(-)-200 °C to 1000 °C	0.6°C
97	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple J Type	Using Multiproduct Calibrator by Direct Method	(-)-200 °C to 1200 °C	0.32 °C
98	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple K Type	Using Multiproduct Calibrator by Direct Method	(-)-200 °C to 1350 °C	0.47°C
99	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple N Type	Using Multiproduct Calibrator by Direct Method	(-)-200 °C to 1350 °C	0.47°C
100	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple R Type	Using Multiproduct Calibrator by Direct Method	0 °C to 1750 °C	0.94°C
101	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple S Type	Using Multiproduct Calibrator by Direct Method	0 °C to 1750 °C	0.94°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

16 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
102	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple T Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 400 °C	0.69°C
103	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 800 °C	0.27°C
104	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple B Type	Using Multiproduct Calibrator by Direct Method	600°C to 1800°C	0.53°C
105	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple E Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1000 °C	0.6 °C
106	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple J Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1200 °C	0.32 °C
107	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple K Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1350 °C	0.47°C
108	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple N Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1300 °C	0.47°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

17 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
109	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple R Type	Using Multiproduct Calibrator by Direct Method	0°C to 1750°C	0.67°C
110	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple S Type	Using Multiproduct Calibrator by Direct Method	0 °C to 1750 °C	0.55°C
111	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple T Type	Using Multiproduct Calibrator by Direct Method	(-)-200 °C to 400 °C	0.63°C
112	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter By Direct Method	1 Hz to 200 MHz	0.006 % to 0.0012 %
113	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Timer Calibrator By Comparison Method	1 s to 60 s	0.11 s
114	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Timer Calibrator By Comparison Method	60 s to 24 Hr	0.11 s to 1.61 s
115	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 Hz to 10 Hz	0.06 % to 0.016 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Validity 28/08/2025 to 27/08/2029

Page No 18 of 63

Last Amended on 03/10/2025

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)(±)
116	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Signal Generator by Direct Method	1 MHz to 1 GHz	0.006 % to 0.06 %
117	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	10 Hz to 1 MHz	0.016 % to 0.006 %
118	FLUID FLOW-FLOW MEASURING DEVICES	Hot Wire Anemometer / Air Velocity Meter	Using Hot Wire Anemometer and Wind Tunnel by Comparison Method	> 3 m/s to 17.5 m/s	5.19 %
119	FLUID FLOW-FLOW MEASURING DEVICES	Hot Wire Anemometer / Air Velocity Meter	Using Hot Wire Anemometer and Wind Tunnel by Comparison Method	1 m/s to 3 m/s	6 %
120	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Medium : Air) - Analog & Digital Flow Meter, Rotameter, Dry Gas Meter, PM2.5 Sampler and Flow Measuring Device	Using Standard Gas Flow Meter by Comparison Method	10 LPM to 80 LPM	2.15 %
121	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Medium : Air) - Analog & Digital Flow Meter, Rotameter, Dry Gas Meter, PM2.5 Sampler and Flow Measuring Device	Using Standard Gas Flow Meter by Comparison Method	2 LPM to 10 LPM	5.33 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

19 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
122	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Medium : Air) - Analog & Digital Flow Meter, Rotameter, Dry Gas Meter, PM2.5 Sampler and Flow measuring Device	Using Standard Gas Flow Meter by Comparison Method	80 LPM to 500 LPM	2.05 %
123	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact mode)	Using Digital Tachometer and RPM Source By Comparison Method	1000 rpm to 6000 rpm	9.6 rpm
124	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact mode)	Using Digital Tachometer and RPM Source by Comparison Method	12 rpm to 1000 rpm	1.1 rpm
125	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact)	Using Digital Tachometer and RPM Source by Comparison Method	1000 rpm to 10000 rpm	8.5 rpm
126	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact)	Using Digital Tachometer and RPM Source by Comparison Method	10000 rpm to 90000 rpm	58 rpm
127	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact)	Using Digital Tachometer and RPM Source By Comparison Method	12 rpm to 1000 rpm	2.4 rpm
128	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct Method	114 dB	0.62 dB
129	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct Method	94 dB	0.62 dB



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

20 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
130	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Analog / Dial / Digimatic Vernier Caliper (L.C.: 0.01 mm)	Using Slip Gauge Set Grade '0', Caliper Checker & Length bar by Comparison Method	0 to 1000 mm	14.6 µm
131	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Analog / Dial / Digital / Height Gauge (L.C.: 0.01 mm)	Using Slip Gauge Set Grade '0', Caliper Checker, Length bar & Surface Plate by Comparison Method	0 to 1000 mm	15.6 µm
132	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor (L.C.: 5 minute of arc)	Using Angle Gauge Set, Profile Projector by Direct Method	0 ° to 90 °	6.7 minute of arc
133	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 0.001 mm)	Using Standard Thickness Foils by Comparison Method	0.009 mm to 0.1 mm	1.35 µm
134	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 0.001 mm)	Using Standard Thickness Foils by Comparison Method	0.1 mm to 1 mm	7.9 µm
135	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 0.001 mm)	Using Standard Thickness Foils by Comparison Method	1 mm to 2 mm	13.6 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

21 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
136	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Comparator Stand (For Flatness)	Using Lever Dial Gauge By Comparison Method	50 mm X 50 mm to 300 mm X 200 mm	4.2 µm
137	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (L.C.: 0.01 mm)	Using Slip Gauge Grade '0' by Direct Method	0 to 100 mm	14.71 µm
138	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial / Digital Thickness gauge (L.C. : 0.01 mm)	Using Slip Gauge Set Grade '0' by direct method	0 to 10 mm	6.6 µm
139	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Bore Gauge / Bore Gauge (For Transmission) (L.C.: 0.01 mm)	Using Dial Calibration Tester & Dial Indicator By Direct Method	0 to 1.2 mm	3.3 µm
140	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Slip Gauge Set Grade '0', Optical Flat & Length bar by Direct Method	0 to 300 mm	2.41 µm
141	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Digimatic Micrometer By Direct Method	0.05 mm to 1 mm	4.2 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

22 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)($\pm$)
142	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Flakiness / Elongation Gauge	Using Profile Projector by Comparison Method	4 mm to 100 mm	10 μ m
143	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Foils	Using Electronic Probe, Comparator Stand by Comparison Method	0.009 mm to 0.1 mm	1.07 μ m
144	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Foils	Using Electronic Probe, Comparator Stand by comparison method	0.1 mm to 1.89 mm	4.7 μ m
145	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Industrial Gauge Plain Work Piece (Angle)	Using Profile Projector by Comparison Method	0 ° to 360 °	35 minute of arc
146	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Industrial Gauge Plain Work Piece (Length)	Using Profile Projector by Comparison Method	0 to 200 mm	20 μ m
147	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer- Stick Type (L.C.: 0.001 mm)	Using Slip Gauges, Long Slip Gauges & Slip Gauge Accessories by Comparison Method	0 to 300 mm	4.5 μ m



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

23 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
148	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Indicator (L.C. : 0.01 mm)	Using Dial Calibration Tester & Electronic Comparator by Direct Method	0 to 0.8 mm	5.8 µm
149	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Pin	Using Slip Gauge set Grade '0' & Electronic comparator By Comparison Method	0.05 mm to 20 mm	4.2 µm
150	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Steel Rule / Steel Scale (L.C.: 1 mm)	Using Tape & Scale Measuring Machine by Comparison method	0 to 2000 mm	289 x Sqrt(L/1000) µm, L in mm
151	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape / Pie Tape (L.C.: 1 mm)	Using Tape & Scale Measuring Machine by Comparison method	0 to 50 m	477 *Sqrt(L/1000)µm, L in mm
152	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Gauge (Angle)	Using Profile Projector by Comparison Method	0 ° to 60 °	6 minute of arc
153	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Gauge (Linear)	Using Profile Projector by Comparison Method	0 to 7 mm	10 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

24 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
154	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Slip Gauge Set Grade '0' & Electronic Comparator By Comparison Method	2 mm to 100 mm	5.6 µm
155	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial / Digital Indicator (L.C. : 0.001 mm)	Using Dial Calibration Tester, Electronic Comparator ' by Direct Method	0 to 25 mm	2.0 µm
156	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial /Digital Indicator (L.C.: 0.001 mm)	Using Dial Calibration Tester, Electronic Comparator by Direct Method	0 to 50 mm	5 µm
157	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector by Comparison Method	0 to 25 mm	9.4 µm
158	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge / Gap Gauge	Using Slip Gauge Set Grade ' 0' By Direct Method	3 mm to 150 mm	5.5 µm
159	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Standard Wire Gauge	Using Profile Projector by Comparison Method	0 to 10 mm	21 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

25 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
160	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Scale	Using Profile Projector by Comparison Method	0 to 150 mm	58.11 µm
161	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Template (Length, Width, Thickness)	Using Slip Gauge set Grade '0', Electronic Comparator Stand By Direct Method	2.5 mm X 2.5 mm X 1 mm to 200 mm X 200 mm X 10 mm	19.4 µm
162	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve	Using Digital Caliper By Comparison method	20 mm to 125 mm	90 µm
163	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve	Using Profile Projector by Comparison Method	32 µm to 20 mm	6.9 µm
164	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic Thickness Gauge (L.C.: 0.01 mm)	Using Steel Slip Gauges by Comparison Method	0.5 mm to 100 mm	20.21 µm
165	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Depth Gauge / Depth Vernier (L.C: 0.01mm)	Using Slip Gauge set grade 0 by direct method	0 to 150 mm	10 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

26 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
166	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Weld Filet Gauge (Radius)	Using Profile Projector by Comparison Method	0 to 15 mm	90 µm
167	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	DIAL CALIBRATION TESTER / MICROMETER HEAD L.C : 0.0001 mm	Using Electronic Comparator By Direct Method	0 to 25 mm	1.1 µm
168	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Probe / LVDT Probe (L.C.: 0.0001 mm)	Using Grade '0' Gauge Blocks by Comparison Method	0 to 25 mm	3.5 µm
169	MECHANICAL-DUROMETER	Rubber Hardness Tester - Shore A, B, E, O	Using Load Cell With Indicator (Spring Force Method) as per ASTM D2240	0 to 100 Shore	0.66 Shore
170	MECHANICAL-DUROMETER	Rubber Hardness Tester - Shore C, D, DO	Using Load Cell with Indicator (Spring Force Method) as per ASTM D2240	0 to 100 Shore	0.6 Shore
171	MECHANICAL-MOBILE FORCE MEASURING SYSTEM	Push Pull Gauge	Using Newton Weights by Direct Method as per VDI / VDE 2624	10 N to 1000 N	0.53 %
172	MECHANICAL-PRESSURE INDICATING DEVICES	Absolute Pressure Gauge, Barometer, Manometer, Absolute Pressure Calibrator, Pressure Switch, Pressure Transducer, Transmitters (Medium: Pneumatic)	Using Barometer, Absolute Pressure Calibrator, 5½ DMM by Comparison Method as per DKD R6-1	200 mbar to 1050 mbar	1.6 mbar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

27 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
173	MECHANICAL-PRESSURE INDICATING DEVICES	Low Pressure Dial / Digital Pressure Gauge, Magnehelic Gauge (Medium: Pneumatic)	Using Digital Pressure Gauge and Pneumatic Pump & 5½ DMM By Comparison Method as Per DKD R-6-1	(-) 137 mbar to 137 mbar	0.3 mbar
174	MECHANICAL-PRESSURE INDICATING DEVICES	Low Pressure Dial / Digital Pressure Gauge, Magnehelic Gauge (Medium: Pneumatic)	Using Digital Pressure Gauge and Pneumatic Pump By Comparison Method as Per DKD R-6-1	(-) 20 mbar to 20 mbar	0.078 mbar
175	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter (Medium: Hydraulic)	Using Digital Pressure Gauge and Hydraulic Pump & 5½ DMM by Comparison Method as Per DKD R-6-1	0 to 700 bar	0.3 bar
176	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter (Medium: Pneumatic)	Using Digital Pressure Gauge and Pneumatic Pump & 5½ DMM By Comparison Method as per DKD R-6-1	0 to 20 bar	0.017 bar
177	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Pressure: Pressure Gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter	Using Digital Pressure Gauge, Pneumatic Pump, Electric Vacuum Pump & 5 ½ DMM By Comparison Method as per ISO 3567 & ISO 27893	(-) 1 bar to 0	0.011 bar
178	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench (Type I - Class B, C, Type II - Class A, B), Torque Screw Driver (Type I - Class D, E, Type II - Class D, E)	Using Torque Sensors and Motorized Torque Calibration System as per ISO 6789: 2017	0.2 Nm to 2 Nm	1.13 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 28 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)($\pm$)
179	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench (Type I - Class B, C, Type II - Class A, B), Torque Screw Driver (Type I - Class D, E, Type II - Class D, E)	Using Torque Sensors and Motorised Torque Calibration System as per ISO 6789: 2017	2 Nm to 20 Nm	1.2 %
180	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench (Type I - Class B, C, Type II - Class A, B), Torque Screw Driver (Type I - Class D, E, Type II - Class D, E)	Using Torque Sensors and Motorised Torque Calibration System as per ISO 6789: 2017	20 Nm to 200 Nm	1.2 %
181	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench (Type I - Class B, C, Type II - Class A, B), Torque Screw Driver (Type I - Class D, E, Type II - Class D, E)	Using Torque Sensors and Motorised Torque Calibration System as per ISO 6789: 2017	200 Nm to 2000 Nm	1 %
182	MECHANICAL-VOLUME	Burette, Pipette, Dispenser	Using Weighing Balance (Readability :0.01 mg) by Gravimetric Method based on ISO 4787:2021	1 ml to 10 ml	8 μ l
183	MECHANICAL-VOLUME	Measuring Cylinder, Volumetric Flask, Graduated Jar, Dispenser	Using Weighing Balance (readability: 0.01 mg) by Gravimetric method based on ISO 4787:2021	10 ml to 100 ml	10 μ l
184	MECHANICAL-VOLUME	Measuring Cylinder, Volumetric Flask, Graduated Jar, Dispenser	Using Weighing Balance (Readability: 1 mg) by Gravimetric Method based on ISO 4787:2021	100 ml to 1000 ml	0.07 ml



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROME PET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

29 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
185	MECHANICAL-VOLUME	Measuring Cylinder, Volumetric Flask, Graduated Jar, Dispenser	Using Weighing Balance (Readability: 100 mg) by Gravimetric Method based on ISO 4787:2021	1000 ml to 10000 ml	3 ml
186	MECHANICAL-VOLUME	Micropipette	Using Digital Balance (Readability: 0.001 mg) by Gravimetric Method based on ISO 8655 (Part 6):2022	>10 µl to 100 µl	0.08 µl
187	MECHANICAL-VOLUME	Micropipette	Using Digital Balance (Readability: 0.01 mg) by Gravimetric Method based on ISO 8655 (Part 6):2022	>100 µl to 1000 µl	1.51 µl
188	MECHANICAL-VOLUME	Micropipette	Using Digital Balance (Readability: 0.001 mg) by Gravimetric method based on ISO 8655 (Part 6):2022	1 µl to 10 µl	0.03 µl
189	MECHANICAL-VOLUME	Micropipette	Using Precision Balance (Readability: 0.1 mg) by Gravimetric Method based on ISO 8655 (Part 6):2022	1000 µl to 10000 µl	50 µl



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 30 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
190	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class I & Coarser (Readability : 0.01 mg)	Using E1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	1 mg to 100 g	0.021 mg
191	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class I & Coarser (Readability : 0.1 mg)	Using E1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	0 to 220 g	0.3 mg
192	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class I & Coarser) (Readability : 0.001 mg)	Using E1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	1 mg to 5 g	0.06 mg
193	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class II & Coarser (Readability : 10 mg)	Using E1 and F1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	0 to 1000 g	16 mg
194	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class III & Coarser (Readability : 100 mg)	Using F1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	0 to 3 kg	67.89 mg
195	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class III & Coarser (Readability: 1 g)	Using F1 and M1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	0 to 20 kg	0.58 g
196	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class III & Coarser (Readability: 100 g)	Using F1 and M1 Accuracy Class Standard Weights as per OIML-R 76-1	0 to 300 kg	66.33 g



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

31 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
197	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.001 mg) by ABBA Method as per OIML-R 111	1 g	0.0041 mg
198	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weights and Digital Balance (Readability : 0.001 mg) by ABBA Method as per OIML-R 111	1 mg	0.0015 mg
199	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.01 mg) by ABBA Method as per OIML-R 111	10 g	0.016 mg
200	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability:0.001 mg) by ABBA Method as per OIML-R 111	10 mg	0.0015 mg
201	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.01 mg) by ABBA Method as per OIML-R 111	100 g	0.02 mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

32 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)($\pm$)
202	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.001 mg) by ABBA Method as per OIML-R 111	100 mg	0.0025 mg
203	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.01 mg) by ABBA Method as per OIML-R 111	2 g	0.0097 mg
204	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.001 mg) by ABBA Method as per OIML-R 111	2 mg	0.0014 mg
205	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.01 mg) by ABBA Method as per OIML-R 111	20 g	0.017 mg
206	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability:0.001 mg) by ABBA Method as per OIML-R 111	20 mg	0.0015 mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

33 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
207	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.1 mg) by ABBA Method as per OIML-R 111	200 g	0.095 mg
208	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability:0.001 mg) by ABBA Method as per OIML-R 111	200 mg	0.0016 mg
209	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.01 mg) by ABBA Method as per OIML-R 111	5 g	0.011 mg
210	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability:0.001 mg) by ABBA Method as per OIML-R 111	5 mg	0.0019 mg
211	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.01 mg) by ABBA Method as per OIML-R 111	50 g	0.014 mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

34 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
212	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability: 0.001 mg) by ABBA Method as per OIML-R 111	50 mg	0.0025 mg
213	MECHANICAL-WEIGHTS	Accuracy class E2 & coarser	Using E1 Class Weight and Digital Balance (Readability:0.001 mg) by ABBA Method as per OIML-R 111	500 mg	0.0020 mg
214	MECHANICAL-WEIGHTS	Accuracy class F2 & Coarser	Using F1 Class Weight and Digital Balance (Readability: 1 mg) by ABBA Method as per OIML-R 111	1 kg	1.21 mg
215	MECHANICAL-WEIGHTS	Accuracy class F2 & Coarser	Using F1 Class Weight and Digital Balance (Readability: 0.01 g) by ABBA Method as per OIML-R 111	2 kg	9.2 mg
216	MECHANICAL-WEIGHTS	Accuracy class F2 & Coarser	Using F1 Class Weight and Digital Balance (Readability: 1 mg) by ABBA Method as per OIML-R 111	500 g	1.2 mg
217	MECHANICAL-WEIGHTS	Accuracy class M1 & Coarser	Using F1 Class Weight and Digital Balance (Readability: 0.1 g) by ABBA Method as per OIML-R 111	10 kg	0.14 g

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 : MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Validity 28/08/2025 to 27/08/2029

Page No 35 of 63

Last Amended on 03/10/2025

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)(±)
218	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F1 Class Weight and Digital Balance (Readability: 0.1 g) by ABBA Method as per OIML-R 111:	20 kg	0.14 g
219	MECHANICAL-WEIGHTS	Accuracy class M2 & Coarser	Using F1 Class Weight and Digital Balance (Readability: 0.1 g) by ABBA Method as per OIML-R 111	5 kg	0.105 g
220	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Indicator with Sensor, Humidity Transmitter, Thermo Hygrometer	Using Humidity Chamber, Digital Temperature and Humidity Indicator with Sensor, 5½ DMM by Comparison Method	5 °C to 60 °C @ 50 %RH	0.35 °C
221	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Indicator with Sensor, Temperature & Humidity Transmitter, Thermo Hygrometer	Using Humidity Chamber, Digital Temperature and Humidity Indicator with Sensor, 5 1/2 DMM by Comparison Method	10 %RH to 95 %RH @ 25 °C	1.35 %RH
222	THERMAL-TEMPERATURE	Infrared / Non-Contact Thermometer (for non medical purpose only)	Using Non-Contact Pyrometer (emissivity : 0.95) and Black Body Source by Comparison Method	25 °C to 250 °C	3.94 °C
223	THERMAL-TEMPERATURE	Liquid In Glass Thermometer	Using Master RTD (Pt-100) with Indicator and Liquid Bath by Comparison Method	(-)80 °C to 50 °C	0.94 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 36 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
224	THERMAL-TEMPERATURE	Liquid In Glass Thermometer	Using Master RTD (Pt-100) With Indicator and Oil Bath by Comparison Method	50 °C to 250 °C	0.94 °C
225	THERMAL-TEMPERATURE	RTD, Thermocouple, Temperature Gauge, Temperature Transmitter	Using RTD (Class 1/10 Din) With Indicator, Liquid Bath, 5½ DMM by Comparison Method	(-)80 °C to 0 °C	0.27 °C
226	THERMAL-TEMPERATURE	RTD, Thermocouple, Temperature Gauge, Temperature Transmitter	Using Class-A RTD With Indicator, Dry Bath and 5½ DMM by Comparison Method	0 °C to 400 °C	0.35 °C
227	THERMAL-TEMPERATURE	RTD, Thermocouple, Temperature Gauge, Temperature Transmitter	Using S Type Thermocouple With Indicator, Dry Bath and 5½ DMM by Comparison Method	400 °C to 1200 °C	1.92 °C
228	THERMAL-TEMPERATURE	Temperature Indicator with sensor of Black Body Source	Using IR Pyrometer (emissivity: 0.95) by Comparison Method	25 °C to 250 °C	3.95 °C
229	THERMAL-TEMPERATURE	Temperature Indicator with sensor of Black Body Source	Using IR Pyrometer (emissivity: 0.99) by Comparison Method	250 °C to 1200 °C	3.95 °C
230	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Temperature Bath / Dry Block Calibrator	Using RTD (PT 100) With Indicator by Comparison Method	(-)80 °C to 250 °C	0.27 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

37 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
231	THERMAL- TEMPERATURE	Temperature Indicator with sensor of Temperature Bath / Dry Block Calibrator	Using Thermocouple Type S With Indicator by Comparison Method	250 °C to 600 °C	1.41 °C
232	THERMAL- TEMPERATURE	Temperature Indicator with Sensor of Temperature Bath / Dry Block Calibrator - Single Position Calibration	Using Thermocouple S type With Indicator by Comparison Method	600 °C to 1200 °C	2.03 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

38 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	3 Phase 4 Wire AC Active Energy @ 50 Hz (63.5 V to 220 V, 0.5 A to 5 A,0.5 Lead / Lag to UPF)	Using Standard Energy Meter and Three Phase Energy Source By Comparison Method	15.875 Wh to 3.33 kWh	0.25 % to 0.26 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.3 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 6½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 A to 10 A	0.3 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 mA to 100 mA	0.14 % to 0.2 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	1 mA to 100 mA	0.14 % to 0.2 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 µA to 100 µA	0.53 % to 0.2 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 39 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	10 µA to 100 µA	0.53 % to 0.2 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	100 µA to 1 mA	0.13 % to 0.14 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	100 µA to 1 mA	0.13 % to 0.14 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	100 mA to 1 A	0.2 % to 0.21 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.2 % to 0.21 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Shunt With Multimeter by Direct Method	10 A to 30 A	0.07 % to 0.08 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

40 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50Hz	Using Shunt With Multimeter by Direct Method	30 A to 100 A	0.08 % to 0.25 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with DMM by Direct Method	1 kV to 10 kV	5.82 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with DMM by Direct Method	10 kV to 28 kV	6.92 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	1 mV to 10 mV	0.5 % to 0.38 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 mV to 10 mV	0.5 % to 0.63 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 V to 10 V	0.02 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

41 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	1 V to 10 V	0.02 % to 0.01 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	10 mV to 1 V	0.05 % to 0.02 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 mV to 1 V	0.63 % to 0.02 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	10 V to 100 V	0.01 % to 0.04 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 V to 100 V	0.02 % to 0.04 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	100 V to 750 V	0.03 % to 0.05 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

42 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
25	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	100 V to 750 V	0.04 % to 0.05 %
26	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	1 A to 20 A	0.08 % to 0.31 %
27	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	1 mA to 1 A	0.14 % to 0.08 %
28	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	100 µA to 1 mA	0.31 % to 0.14 %
29	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	30 µA to 100 µA	1.58 % to 0.31 %
30	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC High Current @ 50 Hz	Using Multiproduct Calibrator with Current Coil by Direct Method	20 A to 1000 A	0.45 % to 0.31 %
31	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power @ 50 Hz (60 V to 240 V, 0.1 A to 20 A, Lead / Lag 0.5 to UPF)	Using Multiproduct Calibrator by Direct Method	6 W to 4.8 kW	0.2 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

43 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
32	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power Factor @ 50 Hz	Using Multiproduct Calibrator by Direct Method	0.2 (Lead / Lag) to UPF	0.0036 PF
33	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz to 100 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 10 mV	2.56 % to 0.56 %
34	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz to 100 kHz	Using Multiproduct Calibrator by Direct Method	10 mV to 300 mV	0.56 % to 0.12 %
35	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 10 mV	2.37 % to 0.11 %
36	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	10 mV to 300 mV	0.11 % to 0.03 %
37	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	300 mV to 1000 V	0.05 % to 0.04 %
38	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 100 kHz	Using Multiproduct Calibrator by Direct Method	300 mV to 100 V	0.11 % to 0.30 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 44 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
39	ELECTRO- TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	0.22 nF to 1 nF	2.84 %
40	ELECTRO- TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	1 µF to 100 µF	0.5 %
41	ELECTRO- TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	1 nF to 1 µF	0.6 % to 0.5 %
42	ELECTRO- TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Standard Inductance Box by Direct Method	0.1 mH to 10 H	2.43 %
43	ELECTRO- TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 µA to 10 µA	0.7 % to 0.074 %
44	ELECTRO- TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 µA to 10 µA	0.7 % to 0.074 %
45	ELECTRO- TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.02 % to 0.025 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 45 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter, Multiproduct Calibrator by Comparison Method	1 A to 10 A	0.02 % to 0.025 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 µA to 10 mA	0.074 % to 0.006 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 µA to 10 mA	0.074 % to 0.006 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Shunt with Multimeter by V/I Method	10 A to 30 A	0.025 % to 0.29 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 mA to 1 A	0.006 % to 0.02 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 mA to 1 A	0.006 % to 0.02 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Shunt with Multimeter by Direct Method	30 A to 100 A	0.29 % to 0.30 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

46 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe With DMM by direct method	1 kV to 10 kV	2.36 % to 3.52 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe With DMM by Direct Method	10 kV to 40 kV	3.52 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 mV to 1 V	0.063 % to 0.0008 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 mV to 1 V	0.063 % to 0.0008 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter , Multiproduct Calibrator by Comparison Method	1 V to 100 V	0.0008 % to 0.0009 %
58	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 V to 100 V	0.0008 % to 0.0009 %
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	100 V to 1000 V	0.0009 % to 0.0011 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

47 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	100 V to 1000 V	0.0009 % to 0.0012 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 Mohm to 10 Mohm	0.003 % to 0.12 %
62	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digit Multimeter by Direct Method	1 Mohm to 10 Mohm	0.003 % to 0.12 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter by Direct Method	10 Mohm to 1 Gohm	0.12 % to 0.62 %
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	10 Mohm to 1 Gohm	0.12 % to 0.65 %
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 8½ Digit Multimeter by Direct Method	1 kohm to 1 Mohm	0.008 % to 0.002 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 kohm to 1 Mohm	0.008 % to 0.003 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

48 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter by Direct Method	1 Ohm to 1 kohm	0.002 % to 0.008 %
68	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter and Multiproduct Calibrator by Comparison Method	1 Ohm to 1 kohm	0.01 % to 0.008 %
69	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 8½ Digit Multimeter by Direct Method	100 mohm to 1 Ohm	0.12 % to 0.01 %
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter, Multiproduct Calibrator by Comparison Method	100 mohm to 1 ohm	0.12 % to 0.01 %
71	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	10 µA to 100 µA	0.26 % to 0.05 %
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	100 µA to 329 mA	0.05 % to 0.014 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	2.99 A to 20 A	0.05 % to 0.31 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

49 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
74	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	329 mA to 2.99 A	0.014 % to 0.05 %
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Current	Using Multiproduct Calibrator and clamp coil adaptor by Direct Method	20 A to 1000 A	0.55 % to 0.32 %
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1 V to 1000 V, 0.1 A to 20 A)	Using Multiproduct Calibrator by Direct Method	0.1 W to 1 W	0.6 % to 0.12 %
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1 V to 1000 V, 0.1 A to 20 A)	Using Multiproduct Calibrator by Direct Method	1 W to 20 kW	0.12 % to 0.06 %
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire / 4 wire)	Using Multiproduct Calibrator by Direct Method	10 Ohm to 1 Mohm	0.006 % to 0.0043 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Multiproduct Calibrator by Direct Method	1 Mohm to 10 Mohm	0.0043 % to 0.61 %
80	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Standard Meg Ohm Box By Direct Method	10 Gohm	3.5 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

50 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Multiproduct Calibrator by Direct Method	10 Mohm to 100 Mohm	0.61 %
82	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Multiproduct Calibrator by Direct Method	100 Mohm to 1 Gohm	0.61 % to 1.78 %
83	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Standard Meg Ohm Box By Direct Method	2 Gohm	3.5 %
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Standard Meg Ohm Box By Direct Method	20 Gohm	3.5 %
85	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Low Resistance Box by Direct Method	1 mohm	1.54 %
86	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 Ohm to 10 Ohm	0.022 % to 0.006 %
87	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Low Resistance Box by Direct Method	10 mohm	1.24 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 51 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
88	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Low Resistance Box by Direct Method	100 µohm	1.39 %
89	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Multiproduct Calibrator by Direct Method	100 mohm to 1 Ohm	0.61 % to 0.022 %
90	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - (2 Wire @ 1000 V)	Using Standard Meg Ohm Box By Direct Method	200 Gohm	3.5 %
91	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - (2 Wire @ 1000 V)	Using Standard Meg Ohm Box By Direct Method	50 Gohm	3.5 %
92	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	1 mV to 329 mV	0.18 % to 0.0041 %
93	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	3.29 V to 1000 V	0.0014 % to 0.0024 %
94	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	329 mV to 3.29 V	0.0041 % to 0.0015 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 52 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
95	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude (vertical Axis Deflection Factor) AC 1 kHz Square Wave	Using Multiproduct Calibrator by Direct Method	1 mVpp to 130 Vpp	1.5 % to 0.18 %
96	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct Method	50 kHz to 1.1 GHz	3.8 % to 6.1 %
97	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time base	Using Multiproduct Calibrator by Direct Method	1 ns to 5 s	0.2 % to 0.1 %
98	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD	Using 6 ½ Digit Multimeter By Direct Method	(-)190 °C to 600 °C	0.3 °C
99	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple B Type	Using Multiproduct Calibrator by Direct Method	600 °C to 1800 °C	0.87°C
100	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple E Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1000 °C	0.6°C
101	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple J Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1200 °C	0.32 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 53 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
102	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Measure)	Thermocouple K Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1350 °C	0.47°C
103	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Measure)	Thermocouple N Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1350 °C	0.47°C
104	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Measure)	Thermocouple R Type	Using Multiproduct Calibrator by Direct Method	0 °C to 1750 °C	0.94°C
105	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Measure)	Thermocouple S Type	Using Multiproduct Calibrator by Direct Method	0 °C to 1750 °C	0.94°C
106	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Measure)	Thermocouple T Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 400 °C	0.69°C
107	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Source)	RTD	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 800 °C	0.27°C
108	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Source)	Thermocouple B Type	Using Multiproduct Calibrator by Direct Method	600°C to 1800°C	0.53°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

54 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
109	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Source)	Thermocouple E Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1000 °C	0.6 °C
110	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Source)	Thermocouple J Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1200 °C	0.32 °C
111	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Source)	Thermocouple K Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1350 °C	0.47°C
112	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Source)	Thermocouple N Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 1300 °C	0.47°C
113	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Source)	Thermocouple R Type	Using Multiproduct Calibrator by Direct Method	0°C to 1750°C	0.67°C
114	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Source)	Thermocouple S Type	Using Multiproduct Calibrator by Direct Method	0 °C to 1750 °C	0.55°C
115	ELECTRO- TECHNICAL- TEMPERATURE SIMULATION (Source)	Thermocouple T Type	Using Multiproduct Calibrator by Direct Method	(-)200 °C to 400 °C	0.63°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

55 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
116	ELECTRO- TECHNICAL- TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter By Direct Method	1 Hz to 200 MHz	0.006 % to 0.0012 %
117	ELECTRO- TECHNICAL- TIME & FREQUENCY (Measure)	Time	Using Timer Calibrator By Comparison Method	1 s to 60 s	0.11 s
118	ELECTRO- TECHNICAL- TIME & FREQUENCY (Measure)	Time	Using Timer Calibrator By Comparison Method	60 s to 24 Hr	0.11 s to 1.61 s
119	ELECTRO- TECHNICAL- TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 Hz to 10 Hz	0.06 % to 0.016 %
120	ELECTRO- TECHNICAL- TIME & FREQUENCY (Source)	Frequency	Using Signal Generator by Direct Method	1 MHz to 1 GHz	0.006 % to 0.06 %
121	ELECTRO- TECHNICAL- TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	10 Hz to 1 MHz	0.016 % to 0.006 %
122	FLUID FLOW- FLOW MEASURING DEVICES	Volume Flow Rate (medium : Water)	Using Ultrasonic Liquid Flow Meter (Clamp on type) by Comparison Method	1 m ³ /hr to 246 m ³ /hr	2.1 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

56 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
123	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Medium : Air) - Analog & Digital Flow Meter, Rotameter, Dry Gas Meter, PM2.5 Sampler and Flow Measuring Device	Using Standard Gas Flow Meter by Comparison Method	10 LPM to 80 LPM	2.15 %
124	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Medium : Air) - Analog & Digital Flow Meter, Rotameter, Dry Gas Meter, PM2.5 Sampler and Flow Measuring Device	Using Standard Gas Flow Meter by Comparison Method	2 LPM to 10 LPM	5.33 %
125	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Medium : Air) - Analog & Digital Flow Meter, Rotameter, Dry Gas Meter, PM2.5 Sampler and Flow measuring Device	Using Standard Gas Flow Meter by Comparison Method	80 LPM to 500 LPM	2.05 %
126	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow rate (medium : water)	Using Ultrasonic Liquid Flow Meter (Clamp on type) by Comparison Method	246 m ³ /hr to 700 m ³ /hr	2.1 %
127	MECHANICAL-ACCELERATION AND SPEED	Centrifuge / RPM Source (Non-Contact)	Using Digital Tachometer by Comparison Method	1000 rpm to 10000 rpm	8.3 rpm
128	MECHANICAL-ACCELERATION AND SPEED	Centrifuge / RPM Source (Non-Contact)	Using Digital Tachometer by Comparison Method	10000 rpm to 50000 rpm	31 rpm
129	MECHANICAL-ACCELERATION AND SPEED	Centrifuge / RPM Source (Non-Contact)	Using Digital Tachometer by Comparison Method	12 rpm to 1000 rpm	2.4 rpm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

57 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
130	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bench Center (Coaxiality)	Using Cylindrical test Mandrel, Mandrel with taper shank Lever dial gauge by Comparison method	150 mm to 300 mm	9 µm
131	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bench Center (Parallelism)	Using Cylindrical test Mandrel, Mandrel with taper shank Lever dial gauge by Comparison method	150 mm to 300 mm	9 µm
132	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate (Flatness)	Using Spirit Level (L.C : 0.01mm/m) by Comparison method	630 mm X 630 mm to 2000 mm X 2000 mm	3.81 * Sqrt(((L+W)/150 µm Where L,W in mm
133	MECHANICAL-PRESSURE INDICATING DEVICES	Absolute Pressure Gauge, Barometer, Manometer, Absolute Pressure Calibrator, Pressure Switch, Pressure Transducer, Transmitters (Medium: Pneumatic)	Using Barometer, Absolute Pressure Calibrator, 5½ DMM by Comparison Method as per DKD R6-1	200 mbar to 1050 mbar	1.6 mbar
134	MECHANICAL-PRESSURE INDICATING DEVICES	Low Pressure Dial / Digital Pressure Gauge, Magnehelic Gauge (Medium: Pneumatic)	Using Digital Pressure Gauge and Pneumatic Pump & 5½ DMM By Comparison Method as Per DKD R-6-1	(-) 137 mbar to 137 mbar	0.3 mbar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Validity 28/08/2025 to 27/08/2029

Page No 58 of 63

Last Amended on 03/10/2025

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)(±)
135	MECHANICAL-PRESSURE INDICATING DEVICES	Low Pressure Dial / Digital Pressure Gauge, Magnehelic Gauge (Medium: Pneumatic)	Using Digital Pressure Gauge and Pneumatic Pump By Comparison Method as Per DKD R-6-1	(-) 20 mbar to 20 mbar	0.078 mbar
136	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter (Medium: Hydraulic)	Using Digital Pressure Gauge and Hydraulic Pump & 5½ DMM by Comparison Method as Per DKD R-6-1	0 to 700 bar	0.3 bar
137	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter (Medium: Pneumatic)	Using Digital Pressure Gauge and Pneumatic Pump & 5½ DMM By Comparison Method as per DKD R-6-1	0 to 20 bar	0.017 bar
138	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Pressure: Pressure Gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter	Using Digital Pressure Gauge, Pneumatic Pump, Electric Vacuum Pump & 5 ½ DMM By Comparison Method as per ISO 3567 & ISO 27893	(-) 1 bar to 0	0.011 bar
139	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Material Testing Machine - Displacement	Using Height Gauge By Comparison Method as per ATSM E 2309M-20	5 mm to 600 mm	0.22 mm
140	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Material Testing Machine - Speed	Using Height Gauge and Stop Watch by Comparison Method as per ATSM E 2309-05	0.5 mm/min to 600 mm/min	0.3 mm/min



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

59 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
141	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine (Tension & Compression Mode)	Using Load Cell with Indicator by Comparison Method as per IS 1828 (Part-1):2022, ISO 7500-1:2018	5000 N to 50000 N	0.3 %
142	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine (Tension & Compression Mode) Class I and Coarser	Using Load Cell with Indicator by Comparison Method as per IS 1828 (Part-1):2022, ISO 7500-1:2018	5 N to 50 N	0.3 %
143	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine (Tension & Compression Mode) Class I and Coarser	Using Load Cell with Indicator by Comparison Method as per IS 1828 (Part-1):2022, ISO 7500-1:2018	50 N to 500 N	0.3 %
144	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine (Tension & Compression Mode) Class I and Coarser	Using Load Cell with Indicator by Comparison Method as per IS 1828 (Part-1):2022, ISO 7500-1:2018	500 N to 5000 N	0.3 %
145	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class I & Coarser (Readability : 0.01 mg)	Using E1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	1 mg to 100 g	0.021 mg
146	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class I & Coarser (Readability : 0.1 mg)	Using E1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	0 to 220 g	0.3 mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 60 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
147	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class I & Coarser) (Readability : 0.001 mg)	Using E1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	1 mg to 5 g	0.06 mg
148	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class II & Coarser (Readability : 10 mg)	Using E1 and F1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	0 to 1000 g	16 mg
149	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class III & Coarser (Readability : 100 mg)	Using F1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	0 to 3 kg	67.89 mg
150	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class III & Coarser (Readability: 1 g)	Using F1 and M1 Accuracy Class Standard Weights and Procedure based on OIML-R 76-1	0 to 20 kg	0.58 g
151	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Accuracy Class III & Coarser (Readability: 100 g)	Using F1 and M1 Accuracy Class Standard Weights as per OIML-R 76-1	0 to 300 kg	66.33 g
152	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Chamber - Multiposition Calibration	Using Digital Temperature and Humidity Indicator with sensor (Minimum 9) by Comparison Method	10 %RH to 95 %RH @ 25 °C	2.24 %RH



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3687

Page No 61 of 63

Validity 28/08/2025 to 27/08/2029

Last Amended on 03/10/2025

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)(±)
153	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Chamber - Multiposition Calibration	Using Digital Temperature and Humidity Indicator with sensor (Minimum 9) by Comparison Method	5 °C to 60 °C @ 50 %RH	1.39 °C
154	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber (Single Position)	Using Digital Temperature and Humidity Indicator with sensor by Comparison Method	10 %RH to 95 %RH @ 25 °C	1.84 %RH
155	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber (Single Position)	Using Digital Temperature and Humidity Indicator with sensor by Comparison Method	5 °C to 60 °C @ 50 %RH	0.65 °C
156	THERMAL-TEMPERATURE	Deep Freezer, Freezer, Incubator (non Medical purpose), Autoclave (non Medical purpose), Water Bath, Refrigerator, Chamber, Hot Air Oven - Multi-Position Calibration	Using Master RTD (Pt-100) with Multi Channel Data Logger (minimum 9 sensors) by Comparison Method	(-)80 °C to 200°C	1.35°C
157	THERMAL-TEMPERATURE	Furnace - Multi-Position Calibration	Using N type Thermocouple with Multi Channel Data Logger (minimum 9 sensors) by Comparison Method	200 °C to 1200 °C	3.03 °C
158	THERMAL-TEMPERATURE	RTD, Thermocouple, Temperature Gauge, Temperature Transmitter	Using RTD (Class 1/10 Din) With Indicator, Liquid Bath, 5½ DMM by Comparison Method	(-)80 °C to 0 °C	0.27 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROME PET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

62 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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) ($\pm$)
159	THERMAL-TEMPERATURE	RTD, Thermocouple, Temperature Gauge, Temperature Transmitter	Using Class-A RTD With Indicator, Dry Bath and 5½ DMM by Comparison Method	0 °C to 400 °C	0.35 °C
160	THERMAL-TEMPERATURE	RTD, Thermocouple, Temperature Gauge, Temperature Transmitter	Using S Type Thermocouple With Indicator, Dry Bath and 5½ DMM by Comparison Method	400 °C to 1200 °C	1.92 °C
161	THERMAL-TEMPERATURE	Temperature Indicator with sensor Deep freezer, Freezer, Incubator, (Non Medical purpose), Water bath, Autoclave (Non Medical purpose), Chamber, Hot Air Oven & Muffle Furnace (Single Position)	Using RTD (pt100) With Indicator By Comparison Method	(-)80 °C to 200 °C	0.32 °C
162	THERMAL-TEMPERATURE	Temperature Indicator with sensor of Black Body Source	Using IR Pyrometer (emissivity: 0.95) by Comparison Method	25 °C to 250 °C	3.95 °C
163	THERMAL-TEMPERATURE	Temperature Indicator with sensor of Black Body Source	Using IR Pyrometer (emissivity: 0.99) by Comparison Method	250 °C to 1200 °C	3.95 °C
164	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Muffle Furnace - Single Position Calibration	Using Thermocouple Type S With Indicator by Comparison Method	200 °C to 1200 °C	2.49 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MSIR INDIA PRIVATE LIMITED, #40, 2ND FLOOR, 2ND STREET,
PADMAVATHI NAGAR, CHROMEPET, CHENNAI, KANCHIPURAM, TAMIL
NADU, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3687

Page No

63 of 63

Validity

28/08/2025 to 27/08/2029

Last Amended on

03/10/2025

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)(±)
165	THERMAL- TEMPERATURE	Temperature Indicator with Sensor of Temperature Bath / Dry Block Calibrator	Using RTD (PT 100) With Indicator by Comparison Method	(-)80 °C to 250 °C	0.27 °C
166	THERMAL- TEMPERATURE	Temperature Indicator with sensor of Temperature Bath / Dry Block Calibrator	Using Thermocouple Type S With Indicator by Comparison Method	250 °C to 600 °C	1.41 °C
167	THERMAL- TEMPERATURE	Temperature Indicator with Sensor of Temperature Bath / Dry Block Calibrator - Single Position Calibration	Using Thermocouple S type With Indicator by Comparison Method	600 °C to 1200 °C	2.03 °C

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