SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3058	**Page No**	1 of 17
Validity	26/09/2024 to 25/09/2026	**Last Amended on**	10/10/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digital Multimeter by Direct Method	1 A to 10 A	0.71 % to 0.36 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digital Multimeter by Direct Method	1 mV to 100 mV	1.77 % to 0.21 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digital Multimeter by Direct Method	100 mV to 700 V	0.21 % to 0.2 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator by Direct Method	0.2 mA to 100 mA	0.57 % to 0.26 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Coil by Direct Method	10 A to 1000 A	1.91 % to 1.24 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator by Direct Method	100 mA to 10 A	0.26 % to 2.52 %

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3058
Page No	2 of 17
Validity	26/09/2024 to 25/09/2026
Last Amended on	10/10/2024

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) (Source)	AC Voltage @ 50 Hz	Using Multifunction Calibrator by Direct Method	1 V to 1000 V	0.2 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multifunction Calibrator by Direct Method	5 mV to 1 V	0.51 % to 0.2 %
9	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 A to 10 A	0.4 % to 0.43 %
10	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 mA to 100 mA	0.29 % to 0.08 %
11	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	100 mA to 1 A	0.08 % to 0.4 %
12	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance - 4 Wire	Using 6½ Digital Multimeter by Direct Method	10 Mohm to 100 Mohm	0.12 % to 0.94 %
13	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance - 4 Wire	Using 6½ Digital Multimeter by Direct Method	100 kohm to 10 Mohm	0.03 % to 0.12 %

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3058	**Page No**	3 of 17
Validity	26/09/2024 to 25/09/2026	**Last Amended on**	10/10/2024

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)(±)
14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance - 4 Wire	Using 6½ Digital Multimeter by Direct Method	100 ohm to 100 kohm	0.62 % to 0.03 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	1 mV to 100 mV	0.4 % to 0.04 %
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	1 V to 1000 V	0.12 % to 0.05 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	100 mV to 1 V	0.04 % to 0.12 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	0.2 mA to 100 mA	0.49 % to 0.2 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with Current Coil by Direct Method	10 A to 1000 A	1.93 % to 1.01 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	100 mA to 10 A	0.2 % to 0.24 %

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3058
Page No	4 of 17
Validity	26/09/2024 to 25/09/2026
Last Amended on	10/10/2024

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)(±)
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - 2 Wire	Using Decade Resistance Box by Direct Method	1 ohm to 100 kohm	0.6 % to 0.12 %
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - 2 Wire	Using Decade Resistance Box by Direct Method	100 kohm to 100 Mohm	0.12 % to 0.95 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - 4 Wire	Using Decade Resistance Box by Direct Method	100 Mohm to 1000 Mohm	0.95 % to 2.37 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	1 mV to 1 V	2.1 % to 1.27 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	1 V to 1000 V	1.27 % to 0.13 %
26	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT 100)	Using Temperature Calibrator by Direct Method	(-)100 °C to 600 °C	1.19 °C
27	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Temperature Calibrator by Direct Method	100 °C to 750 °C	1.69 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3058
Page No	5 of 17
Validity	26/09/2024 to 25/09/2026
Last Amended on	10/10/2024

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)(±)
28	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Temperature Calibrator by Direct Method	0 °C to 1200 °C	1.96 °C
29	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - R Type	Using Temperature Calibrator by Direct Method	200 °C to 1500 °C	3.24 °C
30	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - S Type	Using Temperature Calibrator by Direct Method	150 °C to 1500 °C	3.25 °C
31	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	6 s to 3600 s	0.31 s to 2.74 s
32	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator by Direct Method	45 Hz to 1000 Hz	0.76 % to 0.08 %
33	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor, Combination Set, Angle Protractor, Inclinometer (L.C.: 5 minute of arc)	Using Angle Gauge Set by Comparison Method	0°- 90° - 0°	4 minute of arc
34	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge with or without Dial - Transmission Error (L.C.: 0.001 mm)	Using Length Measuring Machine by Comparison Method	0 to 1 mm	3 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3058
Page No	6 of 17
Validity	26/09/2024 to 25/09/2026
Last Amended on	10/10/2024

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)(±)
35	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Caliper Checker, Slip Gauge Set by Comparison Method	0 to 600 mm	15 µm
36	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 1 µm)	Using Coating Thickness Foils by Comparison Method	0.01 mm to 1.8 mm	2.5 µm
37	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Measuring Pin	Using Length Measuring Machine by Comparison Method	0.5 mm to 20 mm	2 µm
38	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (L.C.: 0.001 mm)	Using Slip Gauge Set & Surface Plate by Comparison Method	0 to 25 mm	2.9 µm
39	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge Lever Type (L.C.: 0.002 mm)	Using Length Measuring Machine by Comparison Method	0 to 0.2 mm	1.5 µm
40	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge Lever Type (L.C.: 0.01 mm)	Using Length Measuring Machine by Comparison Method	0 to 0.8 mm	3.5 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3058
Page No	7 of 17
Validity	26/09/2024 to 25/09/2026
Last Amended on	10/10/2024

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)(±)
41	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge Plunger Type (L.C.: 0.001 mm)	Using Length Measuring Machine by Comparison Method	0 to 12.7 mm	2.6 µm
42	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge (L.C.: 0.001 mm)	Using Slip Gauge Set by Comparison Method	0 to 25 mm	1.5 µm
43	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Slip Gauge Set by Comparison Method	0 to 200 mm	3.6 µm
44	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Length Measuring Machine by Comparison Method	0.01 mm to 1 mm	2 µm
45	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Caliper Checker & Granite Surface Plate by Comparison Method	0 to 600 mm	14.3 µm
46	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper (L.C.: 0.1 mm)	Using Slip Gauge Set by Comparison Method	0 to 50 mm	80.3 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3058
Page No	8 of 17
Validity	26/09/2024 to 25/09/2026
Last Amended on	10/10/2024

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)(±)
47	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Length Measuring Machine by Comparison Method	2 mm to 100 mm	2 µm
48	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge, ID Gauge, Master Setting Ring	Using Length Measuring Machine, Master Setting Ring by Comparison Method	3 mm to 100 mm	2.5 µm
49	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Slip Gauge Set by Comparison Method	3 mm to 200 mm	2.2 µm
50	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Foil	Using Length Measuring Machine by Comparison Method	0.01 mm to 2 mm	2 µm
51	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Effective Diameter	Using Length Measuring Machine, Master Setting Disc, Thread Measuring Wires by Comparison Method	2 mm to 100 mm	3 µm
52	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Major Diameter	Using Length Measuring Machine, Master Setting Disc by Comparison Method	2 mm to 100 mm	3 µm

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3058	**Page No**	9 of 17
Validity	26/09/2024 to 25/09/2026	**Last Amended on**	10/10/2024

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	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge - Effective Diameter	Using Length Measuring Machine, Master Ring Gauge by Comparison Method	3 mm to 100 mm	3.4 µm
54	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Indicator - Hydraulic Pressure	Using Digital Pressure Calibrator, 6½ Digital Multimeter, Hydraulic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 700 bar	0.9 bar
55	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Indicator - Pneumatic Pressure	Using Digital Pressure Calibrator, 6½ Digital Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 24 bar	0.3 bar
56	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator, Temperature Transmitter with Sensor, Digital Thermometer	Using RTD (PT- 100) Sensor & 6½ Digital Multimeter, Dry Well Bath by Comparison Method	> 110 °C to 300 °C	0.3 °C
57	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator, Temperature Transmitter with Sensor, Digital Thermometer	Using RTD (PT- 100), 6½ DMM, Negative Bath by Comparison Method	(-) 30 °C to 110 °C	0.3 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3058
Page No	10 of 17
Validity	26/09/2024 to 25/09/2026
Last Amended on	10/10/2024

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)(±)
58	THERMAL-TEMPERATURE	Thermocouple with or without Indicator, Temperature Transmitter with Sensor, Digital Thermometer	Using S Type Thermocouple, 6½ Digital Multimeter, Dry Well Bath by Comparison Method	> 300 °C to 650 °C	0.81 °C
59	THERMAL-TEMPERATURE	Thermocouple with or without Indicator, Temperature Transmitter with Sensor, Digital Thermometer	Using S Type Thermocouple, 6½ DMM, Dry Well Bath by Comparison Method	> 650 °C to 1200 °C	3.1 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3058	**Page No**	11 of 17
Validity	26/09/2024 to 25/09/2026	**Last Amended on**	10/10/2024

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)	AC Current @ 50 Hz	Using 6½ Digital Multimeter by Direct Method	1 A to 10 A	0.71 % to 0.36 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digital Multimeter by Direct Method	1 mV to 100 mV	1.77 % to 0.21 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digital Multimeter by Direct Method	100 mV to 700 V	0.21 % to 0.2 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator by Direct Method	0.2 mA to 100 mA	0.57 % to 0.26 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Coil by Direct Method	10 A to 1000 A	1.91 % to 1.24 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator by Direct Method	100 mA to 10 A	0.26 % to 2.52 %

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3058	**Page No**	12 of 17
Validity	26/09/2024 to 25/09/2026	**Last Amended on**	10/10/2024

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) (Source)	AC Voltage @ 50 Hz	Using Multifunction Calibrator by Direct Method	1 V to 1000 V	0.2 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multifunction Calibrator by Direct Method	5 mV to 1 V	0.51 % to 0.2 %
9	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 A to 10 A	0.4 % to 0.43 %
10	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 mA to 100 mA	0.29 % to 0.08 %
11	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	100 mA to 1 A	0.08 % to 0.4 %
12	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance - 4 Wire	Using 6½ Digital Multimeter by Direct Method	10 Mohm to 100 Mohm	0.12 % to 0.94 %
13	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance - 4 Wire	Using 6½ Digital Multimeter by Direct Method	100 kohm to 10 Mohm	0.03 % to 0.12 %

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3058	**Page No**	13 of 17
Validity	26/09/2024 to 25/09/2026	**Last Amended on**	10/10/2024

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)(±)
14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance - 4 Wire	Using 6½ Digital Multimeter by Direct Method	100 ohm to 100 kohm	0.62 % to 0.03 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	1 mV to 100 mV	0.4 % to 0.04 %
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	1 V to 1000 V	0.12 % to 0.05 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	100 mV to 1 V	0.04 % to 0.12 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	0.2 mA to 100 mA	0.49 % to 0.2 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with Current Coil by Direct Method	10 A to 1000 A	1.93 % to 1.01 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	100 mA to 10 A	0.2 % to 0.24 %

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3058
Page No	14 of 17
Validity	26/09/2024 to 25/09/2026
Last Amended on	10/10/2024

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)(±)
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - 2 Wire	Using Decade Resistance Box by Direct Method	1 ohm to 100 kohm	0.6 % to 0.12 %
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - 2 Wire	Using Decade Resistance Box by Direct Method	100 kohm to 100 Mohm	0.12 % to 0.95 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - 4 Wire	Using Decade Resistance Box by Direct Method	100 Mohm to 1000 Mohm	0.95 % to 2.37 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	1 mV to 1 V	2.1 % to 1.27 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	1 V to 1000 V	1.27 % to 0.13 %
26	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT 100)	Using Temperature Calibrator by Direct Method	(-)100 °C to 600 °C	1.19 °C
27	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Temperature Calibrator by Direct Method	100 °C to 750 °C	1.69 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	CC-3058
Page No	15 of 17
Validity	26/09/2024 to 25/09/2026
Last Amended on	10/10/2024

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)(±)
28	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Temperature Calibrator by Direct Method	0 °C to 1200 °C	1.96 °C
29	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - R Type	Using Temperature Calibrator by Direct Method	200 °C to 1500 °C	3.24 °C
30	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - S Type	Using Temperature Calibrator by Direct Method	150 °C to 1500 °C	3.25 °C
31	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	6 s to 3600 s	0.31 s to 2.74 s
32	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator by Direct Method	45 Hz to 1000 Hz	0.76 % to 0.08 %
33	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Indicator - Hydraulic Pressure	Using Digital Pressure Calibrator, 6½ Digital Multimeter, Hydraulic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 700 bar	0.9 bar

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3058	**Page No**	16 of 17
Validity	26/09/2024 to 25/09/2026	**Last Amended on**	10/10/2024

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)(±)
34	MECHANICAL-PRESSURE INDICATING DEVICES	Analog / Digital - Pressure Gauge, Pressure Indicator - Pneumatic Pressure	Using Digital Pressure Calibrator, 6½ Digital Multimeter, Pneumatic Pressure Pump by Comparison Method as per DKD-R 6-1	0 to 24 bar	0.3 bar
35	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 100 mg)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 15000 g	0.36 g
36	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 5 mg)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 200 g	5 mg
37	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class III and Coarser (Readability: 1 g)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 30000 g	5.5 g
38	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class III and Coarser (Readability: 10 g)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 80000 g	10 g
39	THERMAL-TEMPERATURE	Hot Air Oven - Multiposition (Minimum 9 Sensors)	Using Data Logger with PT-100 Sensors by Comparison Method	25 °C to 200 °C	2.2 °C
40	THERMAL-TEMPERATURE	Hot Air Oven - Multiposition (Minimum 9 Sensors)	Using Data Logger with PT-100 Sensors by Comparison Method	> 200 °C to 400 °C	2.7 °C

SCOPE OF ACCREDITATION

Laboratory Name :	IIC INTERNATIONAL INSTRUMENT CALIBRATION PRIVATE LIMITED, MAMATA NIWAS, HOUSE NO 1278, GAWATE WASTI, ALANDI PHATA, CHAKAN, KHED, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3058	**Page No**	17 of 17
Validity	26/09/2024 to 25/09/2026	**Last Amended on**	10/10/2024

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)(±)
41	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator, Temperature Transmitter with Sensor, Digital Thermometer	Using RTD (PT- 100) Sensor & 6½ Digital Multimeter, Dry Well Bath by Comparison Method	> 110 °C to 300 °C	0.3 °C
42	THERMAL-TEMPERATURE	RTD with or without Indicator, Thermocouple with or without Indicator, Temperature Transmitter with Sensor, Digital Thermometer	Using RTD (PT- 100), 6½ DMM, Negative Bath by Comparison Method	(-) 30 °C to 110 °C	0.3 °C
43	THERMAL-TEMPERATURE	Thermocouple with or without Indicator, Temperature Transmitter with Sensor, Digital Thermometer	Using S Type Thermocouple, 6½ Digital Multimeter, Dry Well Bath by Comparison Method	> 300 °C to 650 °C	0.81 °C
44	THERMAL-TEMPERATURE	Thermocouple with or without Indicator, Temperature Transmitter with Sensor, Digital Thermometer	Using S Type Thermocouple, 6½ DMM, Dry Well Bath by Comparison Method	> 650 °C to 1200 °C	3.1 °C

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