

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 1 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|---|--------------------------------|---|---|---|
| <u>ELECTRO-TECHNICAL CALIBRATION</u> | | | | |
| I. | SOURCE | | | |
| 1. | DC Voltage [§] | 1 mV to 10 mV 10 mV to 100 V 100 V to 1000 V | 0.5% to 0.1% 0.1% to 0.015% 0.015% to 0.012% | Using Fluke 9100 Calibrator by Direct Method |
| 2. | AC Voltage [§] | 50 Hz 10 mV to 1 V 1 V to 1000 V | 4.5% to 0.075% 0.075% to 0.12% | Using Fluke 9100 Calibrator by Direct Method |
| 3. | DC Current [§] | 1 μ A to 100 μ A 100 μ A to 1 mA 1 mA to 100 mA 100 mA to 20 A 10 A to 1000 A | 1.4% to 0.03% 0.03% to 0.1% 0.1% to 0.04% 0.04% to 0.11% 1.62% to 0.81% | Using Fluke 9100 Calibrator by Direct Method Using Fluke 9100 Calibrator & Current Coil by Direct Method |
| 4. | AC Current [§] | 50 Hz 10 μ A to 10 mA 10 mA to 20 A 50 Hz 10 A to 1000 A | 10.5% to 0.13% 0.13% to 0.3% 1.42% | Using Fluke 9100 Calibrator by Direct Method Using Fluke 9100 Calibrator & Current Coil by Direct Method |
| 5. | Resistance [#] | 0.01 Ω to 1 Ω 1 Ω to 100 k Ω | 6.4 % to 0.1% 0.1% | Using Decade Resistance Box (Vaiseshika) 4 Wire By Direct Method |

Shally Sharma
 Convenor

Avijit Das
 Program Director

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 2 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|-----|-------------------------------------|---|---|---|
| | Resistance [§] | 100 k Ω to 100 M Ω | 0.1% to 0.35% | Using Fluke 9100 Calibrator by Direct Method |
| | Insulation Resistance [§] | (50 V to 1000 V DC) 100 k Ω to 2 G Ω | 5.9 % to 1.72% | Using Fluke 9100 Calibrator by Direct Method |
| 6. | Frequency [§] | 1 Hz to 100 kHz 100 kHz to 10 MHz | 1.1% to 0.006% 0.006% to 0.4% | Using Fluke 9100 Calibrator by Direct Method |
| 7. | Capacitance [#] | 1 kHz 100 pF to 1 μ F | 2% to 1.22% | Using Capacitance Box Time Electronics by Direct Method |
| | Capacitance [§] | 10 nF to 100 μ F | 1% to 2% | Using Fluke 9100 Calibrator by Direct Method |
| 8. | Inductance [#] | 1 kHz 100 μ H to 10 H | 4.2% | Using Inductance Box Time Electronics by Direct Method |
| | Temperature Simulation [#] | | | |
| | Thermocouple | | | Using Temperature Calibrator by Direct Method |
| | J-type | (-) 200 °C to 1200 °C | 1.6 °C | |
| | K-type | (-) 200 °C to 1200 °C | 1.6 °C | |
| | R-type | 200 °C to 1700 °C | 2.7 °C | |
| | S-type | 200 °C to 1700 °C | 2.7 °C | |
| | RTD / PRT | (-) 200 °C to 790 °C | 1 °C | |

Shally Sharma
 Convenor

Avijit Das
 Program Director

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 3 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|-----------|--------------------------------|--|---|--|
| 10. | DC Power [§] | 240 VDC, 1A- 20A 240 W to 4.8 kW | 0.3% to 0.7% | Using Fluke 9100 Calibrator by Direct Method |
| 11. | AC Power [§] | 240 V 50Hz, 5 mA to 20A At UPF 1.2 W to 4.8 kW | 1.1 % | Using Fluke 9100 Calibrator by Direct Method |
| | | 240 V 50Hz, 5 mA to 20A At 0.2PF lead and lag 240 mW to 0.96 kW | 3.8% to 1% | |
| 12. | Power Factor [§] | Lead, Lag 0.2 to UPF | 3.0% to 0.6% | Using Fluke 9100 Calibrator by Direct Method |
| 13. | Oscilloscope [§] | | | Using Fluke 9100 Calibrator by Direct Method |
| | Square Waveform | Load 1 M Ω / 1 kHz 5 mV to 130 V | 1.2 % to 0.3 % | |
| | DC Amplitude | Load 1 M Ω 5 mV to 130 V | 1.2 % to 0.7 % | |
| | Sine Amplitude | Load 1M Ω / 1 kHz 5 mV to 130 V | 0.85% | |
| | | Load 1 M Ω / 50 Hz 5 mV to 130 V | 0.85% | |
| | Time Marker | 5 ns to 5s | 0.62% | |
| Bandwidth | 50 kHz to 250 MHz | 2.7% | | |

Shally Sharma
 Convenor

Avijit Das
 Program Director

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 4 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|------------|--------------------------------|--|---|---|
| 14. | Time Interval [#] | 10 s to 1 Hr | 1.6% to 0.12% | Using Standard Stop Watch by Comparison Method |
| II. | MEASURE | | | |
| 1. | DC Voltage [#] | 1 mV to 1 V 1 V to 1000 V | 0.42% to 0.07% 0.01% | Using HP 34401 A Digital Multimeter by Direct Method |
| | DC High Voltage [#] | 1 kV to 15 kV | 7.48 % | Using HV Probe with Digital Multimeter by Direct Method |
| 2. | AC Voltage [#] | 50 Hz 10 mV to 1 V 1 V to 750 V | 0.54% to 0.14% 0.14% | Using HP 34401 A Digital Multimeter by Direct Method |
| | AC High Voltage [#] | 50 Hz 1 kV to 15 kV | 7.34 % | Using HV Probe with Digital Multimeter by Direct Method |
| 3. | DC Current [#] | 1 mA to 100 mA 100mA to 3 A | 0.3% to 0.09% 0.09% to 0.19% | Using HP 34401 A Digital Multimeter by Direct Method |
| | | 1 μ A to 300 m A 300 mA to 10 A | 9.8% to 0.71% 0.71% to 0.64% | Using Rishabh Rish Muti 20 DMM by Direct Method |
| 4. | AC Current [#] | 50 Hz 100mA to 3 A | 0.64% to 0.25% | Using HP 34401 A Digital Multimeter by Direct Method |
| | | 30 μ A to 300 m A 300 mA to 10 A | 4% to 0.72% 0.72% to 1% | Using Rishabh Rish Muti 20 DMM by Direct Method |

Shally Sharma
 Convenor

Avijit Das
 Program Director

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 5 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|-----|--------------------------------------|---|--|--|
| 5. | Resistance # | 10 Ω to 100 k Ω 100 k Ω to 10 M Ω 10 M Ω to 100 M Ω | 0.06% to 0.015% 0.015% to 0.05% 0.05% to 1.56% | Using HP 34401 A Digital Multimeter by Direct Method |
| 6. | Frequency ^s Frequency* | 10 Hz to 1 MHz 10 Hz to 300 kHz | 0.2% to 0.02% 0.2% to 0.06% | Using HP 34401 A Digital Multimeter by Direct Method |
| 7. | Capacitance ^s | 1 kHz 10 pF to 1 μ F | 2.01% to 0.32% | Using Digital LCR Meter 4284 A by Direct Method |
| 8. | Inductance ^s | 1 kHz 100 μ H to 10 H | 0.4% to 0.17% | Using Digital LCR Meter 4284 A by Direct Method |
| 9. | AC Power# | 240 V 50Hz, 1A- 20A 0.2 to UPF 240 W to 4.8 kW | 4.2% | Using Fluke 435-II Power Analyzer by Direct Method |

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 6 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|--------------------------------------|--|---|---|---|
| <u>MECHANICAL CALIBRATION</u> | | | | |
| I. | DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | | | |
| 1. | Micrometer ^s L.C. 0.001 mm | 0 to 25 mm Up to 300 mm | 1.3 μ m 4.5 μ m | Using Slip Gauge Blocks By Comparison Method |
| 2. | Caliper ^s (Vernier/Dial/Digital) L.C. 0.01mm L.C. 0.02mm | 0 to 200 mm 0 to 300 mm 0 to 600 mm 0 to 1000 mm | 8.4 μ m 10 μ m 12 μ m 17 μ m | Using Slip Gauge Blocks & Caliper Checker By Comparison Method |
| 3. | Height/ Depth Gauge ^s (Vernier/ Dial/ Digital) L.C. 0.01mm | 0 to 300 mm 0 to 600 mm | 12 μ m 12 μ m | Using Caliper Checker & Surface Plate by Comparison Method |
| 4. | Dial Thickness Gauge ^s L.C. 0.001 mm | 0 to 25 mm | 1.2 μ m | Using Slip Gauge Blocks by Comparison Method |
| 5. | Dial Indicator ^s L.C. 0.001 mm | 0 to 10 mm | 1.4 μ m | Using Single Axis measuring machine by Comparison Method |
| 6. | Snap Gauge ^s | 2 mm to 25 mm 25 mm to 150 mm | 1.1 μ m 2.7 μ m | Using Slip Gauge Blocks by Comparison Method |

Shally Sharma
 Convenor

Avijit Das
 Program Director

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 7 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|-----|--|--|---|--|
| 7. | Dial Bore Gauge [§] | Up to 1 mm travel | 1.1 μ m | Using Single Axis Measuring Machine |
| 8. | Plain Plug Gauge [§] | ϕ 1 mm to ϕ 85 mm ϕ 85mm to ϕ 185 mm | 1.5 μ m 3 μ m | Using Single Axis Measuring Machine by Comparison Method |
| 9. | Plain Ring Gauge [§] | ϕ 6.5mm to ϕ 25.4 mm ϕ 25.4mm to ϕ 300 mm | 2 μ m 4.6 μ m | Using Single Axis Measuring Machine by Comparison Method |
| 10. | Measuring Pin [§] | ϕ 1mm to ϕ 20 mm | 1.41 μ m | Using Single Axis Measuring Machine by Comparison Method |
| 11. | Thread Plug Gauge [§] (Effective Diameter) | M1 to M100 | 2 μ m | Using Single Axis Measuring Machine by Comparison Method |
| 12. | Thread Ring Gauge [§] (Effective Diameter) | ϕ 6mm to ϕ 100 mm | 2.4 μ m | Using Single Axis Measuring Machine by Comparison Method |
| 13. | Length Gauge/ Setting Master [§] | Up to 100 mm 100 mm to 185 mm 185 mm to 280 mm | 1.7 μ m 3.0 μ m 4.2 μ m | Using Single Axis Measuring Machine by Comparison Method |
| 14. | Feeler Gauge [§] | Up to 1mm | 1.3 μ m | Using Micrometer |
| 15. | Foils [§] | Up to 1 mm | 1.42 μ m | Using Single Axis Measuring Machine |

Shally Sharma
 Convenor

Avijit Das
 Program Director

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 8 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|------------|---|--|---|---|
| 16. | Coating Thickness Gauge ^s | Up to 1000 μ m | 3 μ m | Using Standard Foils by Comparison Method |
| 17. | Single Axis Measuring Machine ^s L.C.: 0.0001mm | Up to 100 mm | 1.4 μ m | Using Slip Gauge Grade '0' |
| 18. | Radius Gauge ^s | Up to 100 mm | 9 μ m | Using Profile Projector |
| 19. | Angle Gauges ^s | 0 to 360° | 34 sec. | Using Profile Projector |
| 20. | Test Sieves ^s (Aperture Size) | 40 μ m to 4000 μ m 4 mm to 50 mm 50 mm to 125 mm | 6.2 μ m 20 μ m 30 μ m | Using Profile Projector and Vernier Caliper |
| II. | PRESSURE INDICATING DEVICES | | | |
| | | 0 to 2.5 mbar 0 to 10 mbar | 0.021 mbar 0.588 mbar | Using Differential Pressure Sensor by Comparison as per DKD R-6-1 |
| | | 0 to 3 bar 0 to 30 bar | 0.0078 bar 0.06 bar | Using Digital Pressure Gauge by Comparison as per DKD R-6-1 |
| 2. | Negative Pressure-Analog & Digital Vacuum Gauges & Transmitters [#] | (-) 0.9 bar to 0 bar | 0.0059 bar | Using Digital Pressure Gauge by Comparison as per DKD R-6-1 |
| 3. | Hydraulic Pressure-Analog & Digital Pressure Gauges, Pressure Transmitters ^s | 2.45 bar to 29.42 bar >29.42 bar to 588.399 bar | 0.166% of rdg. 0.103 % of rdg. | Using Hydraulic Dead Weight Tester by Comparison as per DKD R-6-1 |

Shally Sharma
 Convenor

Avijit Das
 Program Director

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 9 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|-------------|---|---|---|---|
| 4. | Hydraulic Pressure- Analog & Digital Pressure Gauges, Pressure Transmitters, Pressure Switch [#] | 0 to 588.399 bar | 0.14 % of rdg. | Using Digital Pressure Gauge by Comparison as per DKD R-6-1 |
| III. | ACCOUSTICS | | | |
| 1. | Sound Level Meter [§] | 1 kHz 94.0 dB to 113.6 dB | 1.5 dB | Using Standard Sound Level Meter by Comparison Method |
| IV. | MASS | | | |
| | Balance [#] Readability : 1mg | 1 mg to 500 mg >500 mg to 50 g >50 g to 100 g | 0.85 mg 0.85 mg 0.90 mg | Using Standard Weights of F1 Class as per OIML R-76-1 |
| | Readability : 10 mg | >100 g to 1 kg | 13 mg | |
| | Readability : 100mg | >1 kg to 5 kg | 82 mg | |
| | Readability : 1g | >5 kg to 60 kg | 1.11 g | |
| | Readability : 10 g | >60 kg to 120 kg | 8.32 g | Using Standard Weights of F1& M1 Class as per OIML R-76-1 |

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 10 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|-----|--------------------------------|---|---|--|
| V. | WEIGHTS | | | |
| | | 1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1g 2 g 5 g 10 g 20 g 50 g | 0.013 mg 0.013 mg 0.013 mg 0.02 mg 0.02 mg 0.02 mg 0.02 mg 0.03 mg 0.03 mg 0.1 mg 0.1 mg 0.1 mg 0.1 mg 0.1 mg 0.11 mg | Using Standard Weights F1 Class & Balance (readability 0.01 mg) by Substitution ABA Method as per OIML R-111 |
| | | 100 g 200 g | 0.2 mg 0.3 mg | Using Standard Weights F1 Class & Balance (readability 0.1 mg) by Substitution ABA Method as per OIML R-111 |
| | | 500 g 1kg 2 kg 5 kg 10 kg 20 kg | 0.91 g 0.91 g 0.91 g 0.91 g 0.91 g 0.91 g | Using Standard Weights F1 Class & Balance (readability 1 g) by Substitution ABA Method as per OIML R-111 |

Shally Sharma
 Convenor

Avijit Das
 Program Director

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 11 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|-------------|---------------------------------|--|---|--|
| | | 50 kg | 4.1 g | Using Standard Weights F1 Class & Balance (readability 5 g) by Substitution ABA Method as per OIML R-111 |
| VI. | VOLUME | | | |
| | | 0.1 ml to 5 ml >5 ml to 20ml | 0.1 μ l 0.2 μ l | Using Standard Weights F1 Class & Balance Resolution : 0.01 mg and Distilled Water by Gravimetric Method as per ISO 4787 |
| | | >20 ml to 50 ml >50 ml to 100 ml >100 ml to 200 ml | 0.3 μ l 0.65 μ l 0.8 μ l | Using Standard Weights F1 Class & Balance Resolution : 0.1 mg and Distilled Water by Gravimetric Method as per ISO 4787 |
| | | >200 ml to 1000 ml >1l to 10 l | 1.0 ml 1.2 ml | Using Standard Weights F1 Class & Balance Resolution : 1g and Distilled Water by Gravimetric Method as per ISO 4787 |
| VII. | ACCELERATION & SPEED | | | |
| 1. | Tachometer ^s | 100 RPM to 25000 RPM | 1.5 % to 0.18 % | Using Standard Tachometer By Comparison Method |

Shally Sharma
 Convenor

Avijit Das
 Program Director

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 12 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|-----------------------------------|--|-------------------|---|---|
| <u>THERMAL CALIBRATION</u> | | | | |
| I. | TEMPERATURE | | | |
| 1. | RTD, Thermocouple With Or Without Temperature Indicator/ Data Logger/ Recorder, Temperature Gauge, Glass Thermometer, Digital Thermometer [§] | (-) 40°C to 300°C | 0.26°C | Using PRT (PT-100) 4 wire, 6.5 Digital Multimeter, Oil Bath by Comparison Method |
| 2. | RTD, Thermocouples With Or Without Temperature Indicator/Data Logger/ Recorder, Temperature Gauge, Digital Thermometer [§] | 300 °C to 1000 °C | 2.3 °C | Using R-type T/C & 6.5 Digital Multimeter, Tubular Furnace by Comparison Method |
| 3. | Calibration Of Oven, Chamber, Environmental Chamber, Incubator [#] | 25°C to 300°C | 4.5°C | Using K-type T/C's (Minimum Nine) with Temperature Indicator & Switch, Multi Position Calibration |
| 4. | Temperature Indicator With Sensor Of Freezer, Chamber, Oven, Liquid Bath, Dry Block Etc. [#] | (-) 40°C to 300°C | 0.4°C | Using PRT (PT-100) 4 Wire, 6.5 Digital Multimeter, Single Position Calibration |

Shally Sharma
 Convenor

Avijit Das
 Program Director

Laboratory National Research & Technology Consortium (C-ACT),
 Deptt. of Industries Complex, Sector-1, Parwanoo, Himachal Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2430 (in lieu of C-0456, C-0457 & C-0484) **Page** 13 of 13

Validity 19.11.2017 to 18.11.2019 **Last Amended on** 06.12.2017

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|---|---|---|---|---|
| 5. | Temperature Indicator With Sensor of Oven, Chamber, Muffle Furnace, Furnace Etc. # | 300°C to 1000°C | 2.6 °C | Using R-type T/C, 6.5 Digital Multimeter, Single Position Calibration |
| II. SPECIFIC HEAT & HUMIDITY | | | | |
| 1. | Thermo-Hygrometer, Humidity Indicator With Inbuilt or External Sensors [§] | 20% RH to 90% RH @ \approx 25°C 5°C to 50°C @ \approx 50% RH | 3% RH 1.3°C | Using Digital Thermo-Hygrometer with Inbuilt Sensor, Environmental Chamber by Comparison Method |
| 2. | Humidity Indicator With Sensor of Environmental Chamber, Humidity Chamber* | 20% RH to 90% RH @ \approx 25 °C | 3% RH | Using Humidity Indicator with Sensor, Single Position Calibration |

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

[§]Only in Permanent Laboratory

*Only for Site Calibration

The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

Shally Sharma
 Convenor

Avijit Das
 Program Director