

Laboratory Metrology Lab- CSIR-CMERI-CoEFM, Gill Road, Ludhiana, Punjab
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number CC-2884 **Page** 1 of 1
Validity 12.11.2018 to 11.11.2020 **Last Amended on** -

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|--------------------------------------|---|----------------------------|---|--|
| <u>MECHANICAL CALIBRATION</u> | | | | |
| I. | DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | | | |
| 1. | Caliper [§] L.C.: 0.01 mm L.C.: 0.02 mm | 0 to 300 mm 0 to 600 mm | 8.40 μ m 12.60 μ m | Using "00" Grade Slip Gauge and Length Bar |
| 2. | Height Gauge [§] L.C.: 0.02 mm | 0 to 250 mm | 14.80 μ m | Using Length Bars |
| 3. | External Micrometer [§] L.C.: 0.001 mm L.C.: 0.01 mm | 0 to 25 mm 0 to 300 mm | 2.15 μ m 8.00 μ m | Using "00" Grade Slip Gauge |
| 4. | Plunger Dial Gauge [§] L.C.: 0.01 mm | 0 to 12 mm | 8.10 μ m | Using "00" Grade Slip Gauge and Comparator Stand |
| 5. | Lever Dial Gauge [§] L.C.: 0.002 mm | 0 to 0.2 mm | 2.00 μ m | Using "00" Grade Slip Gauge and Comparator Stand |
| 6. | Depth Gauge [§] L.C.: 0.02 mm | 0 to 300 mm | 12.00 μ m | Using Length Bars |

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

§ Only in Permanent Laboratory

Shally Sharma
 Convenor

Anuja Anand
 Program Manager