Laboratory	Universal Metrology and Allied Services, S. No. 27, Sukre Industrial Estate, Kharadi, Pune, Maharashtra
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**CC-2654** *(in lieu of C-0612)* **Page** **1 of 2**
Validity	**12.04.2018 to 11.04.2020** **Last Amended on** **26.04.2018**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
		MECHANICAL CALIBRATION		
I.	**DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)**			
1.	Plain Ring Gauge$	2 mm to 200 mm	2.2 µm	Using Universal Length Measuring Machine Based on IS 3485:1983, IS 3455:1971
2.	Plain Plug Gauge / Plain OD Setting Disc, Measuring Pin / External Length Masters$	Up to 100 mm 100 mm to 200 mm	2.1 µm 2.6 µm	Using Comparator Stand, Electronic Readout Unit along with probe Based on IS 4349:1987, IS 3455:1971
3.	Caliper (Digital, Dial and Vernier) $ L.C.: 0.010 mm L.C.: 0.020 mm	Up to 300 mm	10 µm	Using Slip Gauges Based on DIN 862:1988, IS 3651(Part 5):1985
4.	External Micrometers$ L.C.: 0.001 mm L.C.: 0.010 mm	Up to 200 mm	2.1 µm	Using Slip Gauges Based on IS 2967:1983
5.	Plunger Type / Digital Type Dial Gauges$ L.C.: 0.001 mm	Up to 25.0 mm	2.4 µm	Using Dial Gauge Calibration Tester Based on IS 2092:1983
6.	Lever Dial Gauges$ L.C.: 0.001 mm	Up to 0.2	2.7 µm	Using Dial Gauge Calibration Tester Based on IS 11498:1985

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
7.	Bore Gauge$^\$$ (Without Dial Gauge)	0 to 2 mm (Transmission only)	3.7 µm	Using Dial Gauge Calibration Tester Based on UM/WI/O7
8.	Snap Gauges$^\$$	Up to 100 mm 100 mm to 200 mm	1.4 µm 2.4 µm	Using Slip Gauges Based on IS 3455:1971

* Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%
$^\$$Only in Permanent Laboratory

Ram Ashray	**Avijit Das**
Convenor	**Program Director**