Laboratory	**Metrology Lab, Tata Motors Limited, Revenue Survey No. 1, Village Northkotpura, Taluka Sanand, District Ahmedabad, Gujarat**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**CC-2332** ***(in lieu of C-0947)*** **Page 1 of 2**
Validity	**07.08.2017 to 06.08.2019** **Last Amended on 10.08.2017**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
I.	**DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)**			
1.	Caliper[$] (Vernier/Dial/Digital) L.C.: 0.01 mm L.C.: 0.02 mm	 Upto 200 mm Upto 300 mm	 12.5 µm 17.0 µm	Using Caliper Checker & Gauge Block Set
2.	Height Gauges[$] (Vernier/Dial/Digital) L.C.: 0.01 mm [Φ]	 0 to 600 mm	 26.0 µm	Using Caliper Checker & Gauge Block Set
3.	Plain Plug/Setting Plug Gauge[$]	Upto Ø 50 mm	3.03 µm	Using Dial Comparator & Gauge Block Set (Grade 0, 112)
4.	Snap Gauge[$]	Upto 100 mm	2.9 µm	Using Gauge Block Set (Grade 0, 112)
5.	Width Gauge[$]	Upto 50 mm	3.00 µm	Using Gauge Block Set (Grade 0, 112)
6.	External Micrometer[$] L.C.: 0.001mm [Φ]	 Upto 100 mm	 2.0 µm	Using Micrometer Check Set & Gauge Block Set
7.	Depth Micrometer[$] L.C.: 0.01 mm	 Upto 100 mm	 7.50 µm	Using Gauge Block Set & Depth Micro Checker
II.	**DIMENSION (PRECISION INSTRUMENTS)**			
1.	Gauge Block Set[$]	0 to 25 mm 25 mm to 50 mm 50 mm to 75 mm 75 mm to 100 mm	0.49 µm 0.76 µm 1.13 µm 1.50 µm	Using Gauge Block Set (GrK,112) & Slip Gauge Calibrator

Mohit Kaushik
Convenor

Avijit Das
Program Director

Laboratory	**Metrology Lab, Tata Motors Limited, Revenue Survey No. 1, Village Northkotpura, Taluka Sanand, District Ahmedabad, Gujarat**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Certificate Number	**CC-2332** ***(in lieu of C-0947)***	**Page**	**2 of 2**
Validity	**07.08.2017 to 06.08.2019**	**Last Amended on**	**10.08.2017**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
2.	Roundness of Master Cylinder[$]	Ø 60.0 mm to Ø 450 mm	0.85 µm	Using Roundness Testing Machine

*** Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%**
[$]Only in Permanent Laboratory
[Φ] Laboratory can also calibrate instruments/devices of coarser resolution / least count within the accredited range using same reference standard/ master equipment under the scope of accreditation.

Mohit Kaushik
Convenor

Avijit Das
Program Director