

Laboratory Calibration Lab. (Mechanical), Rail Coach Factory, Kapurthala, Punjab
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number CC-2642 **Page** 1 of 2
Validity 13.04.2018 to 12.04.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
1.	DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)			
1.	External Micrometer [§] L.C.: 0.001 mm L.C.: 0.01 mm	0 to 100 mm >100 mm to 150 mm 0 to 100 mm >100 mm to 400 mm	1.40 μ m 3.30 μ m 6.90 μ m 8.60 μ m	Using Slip Gauges
2.	Caliper [§] L.C.: 0.01 mm L.C.: 0.02 mm	0 to 300 mm 0 to 600 mm 0 to 1000 mm	8.1 μ m 14.0 μ m 21.2 μ m	Using Slip Gauges
3.	Measuring Steel Scale [§] L.C.: 1.0 mm	0 to 1000 mm	$145 \sqrt{\frac{L}{200}}$ μ m Where L in mm	Using Profile Projector
4.	Snap Gauge [§]	Up to 290 mm	5.90 μ m	Using Slip Gauges
5.	Feeler Gauge [§] L.C.: 0.001 mm	Up to 1.0 mm	3.0 μ m	Using Digital O/S Micrometer
6.	Dial Indicator [§] (Plunger) L.C.: 0.001 mm L.C.: 0.01 mm	0 to 1 mm 0 to 50 mm	2.8 μ m 5.3 μ m	Using Slip Gauges & Comparator Stand with Granite Base
7.	Bevel Protector [§] L.C.: 5 Minutes	0 to 180 degree	4.1 Minute of arc	Using Profile Projector
8.	Digital Height Gauge [§] L.C.: 0.01 mm	0 to 200 mm	9.5 μ m	Using Slip Gauges

Shally Sharma
 Convenor

Avijit Das
 Program Director

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9.	Vernier Height Gauge ^{\$} L.C.: 0.02 mm	0 to 450 mm	14.8 μ m	Using Slip Gauges

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

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