Laboratory	**Chandigarh Industrial & Tourism Development Corporation Ltd., IDFC Calibration Lab, Plot No: 182/40-41, Industrial Area, Phase-1, Chandigarh**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Mechanical Calibration**	**Issue Date**	**26.10.2015**
Certificate Number	**C-0957**	**Valid Until**	**25.10.2017**
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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
I. DIMENSION			
1. Caliper $ (Vernier/Dial/Digital) L.C.: 0.01 mm Φ	Upto 600 mm	15.3 µm	Using Slip Gauges & Calliper Checker By Comparison Method
2. External Micrometer $ L.C.0.001 mm Φ	0 to 25 mm	1.1 µm	Using Slip Gauges & Long Slip Gauge Block By Comparison Method
	>25 mm to 150 mm	2.5 µm	
L.C.0.01 mm	>25 mm to 300 mm	7.4 µm	
3. Height Gauge $ L.C.: 0.01 mm Φ	Upto 600 mm	12.0 µm	Using Calliper Checker By Comparison Method
4. Plunger Type Dial Gauge $ L.C.0.001 mm Φ	0 to 25 mm	2.95 µm	Using Single Axis Machine by Comparison Method
5. Lever Type Dial Gauge $ L.C.0.001 mm Φ	0 to 1 mm	2.8 µm	Using Single Axis Machine by Comparison Method
6. Dial Bore Gauge $ (Transmission Movement Only) Stroke Length (L.C.0.001 mm)	Upto 1 mm	2.8 µm	Using Single Axis Machine by Comparison Method
7. Depth Micrometer $ L.C.0.01 mm	Upto 300 mm	16.2 µm	Using Depth Checker by Comparison Method

Neeraj Verma
Convenor

Avijit Das
Program Manager

	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
8.	**Depth Caliper** [$] **L.C.0.02 mm**	Upto 300 mm	16.2 µm	Using Depth Checker by Comparison Method
9.	**Snap Gauge** [$]	5 mm to 100 mm	2.0 µm	Using Slip Gauge by Comparison Method
10.	**Thread Plug Gauge** [$] **(Pitch Circle Diameter & Major Diameter only)**	Ø2 mm to Ø 100 mm	3.5 µm	Using Single Axis Machine by Comparison Method
11.	**Thread Ring Gauge** [$] **(Pitch Circle Diameter Only)**	Ø5 mm to Ø 100 mm	3.3 µm	Using Single Axis Machine by Comparison Method
12.	**Plain Ring Gauge** [$]	Ø5 mm to Ø 100 mm	3.2 µm	Using Single Axis Machine by Comparison Method
13.	**Plain Plug Gauge** [$]	Ø5 mm to Ø 100 mm	3.2 µm	Using Single Axis Machine by Comparison Method
14.	**Measuring Pin** [$]	Ø0.1 mm to Ø 20 mm	3.0 µm	Using Single Axis Machine by Comparison Method
15.	**Feeler Gauge** [$]	0.03 mm to 1 mm	2.9 µm	Using Single Axis Machine by Comparison Method
II.	**PRESSURE**			
1.	**Hydraulic Pressure** [$] **Pressure Gauge (Digital / Analogue)**	0 to 65 bar 65 bar to 100 bar	0.36 % rdg. 1.5 % rdg.	Using Dead Weight Tester Based on DKD R6-1
		0 to 650 bar	1.44 % rdg.	Digital Pressure Gauge Using Hydraulic Comparator

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
III. TORQUE			
1. Torque Wrench $ (Type II, Class A & B And Type I, Class B)	20 Nm to 200 Nm 200 Nm to 2000 Nm	1.6 % 1.8 %	Using Torque Sensor with Indicator using Torque Wrench Calibration

*** 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.

Neeraj Verma
Convenor

Avijit Das
Program Manager