Laboratory	**Tekno Valves, Natun Rasta, Bilkanda, 24 Parganas (N), Kolkata, West Bengal**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**CC-2617** **Page 1 of 3**
Validity	**22.03.2018 to 21.03.2020** **Last Amended on 13.05.2019**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
I.	**DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)**			
1.	Plain Plug Gauge$ (External Diameter)	Ø 1mm to Ø 50 mm	2.4 µm	Using Length Measuring Machine & Master Setting Cylinder
2.	Plain Ring Gauge$ (Internal Diameter)	Ø 3mm to Ø 50 mm	2.0 µm	Using Length Measuring Machine & Master Setting Ring
3.	Thread Plug Gauge $ (Pitch Diameter & Major Diameter)	Ø 2mm to Ø 50 mm	3.4 µm	Using Floating Carriage Diameter Measuring Machine, Master Setting Cylinder & Thread Measuring Wire
4.	Thread Ring Gauge$ (Pitch Diameter & Minor Diameter)	Ø 8mm to Ø 150 mm	2.48 µm	Using Length Measuring Machine & Master Setting Ring
5.	Taper Plug Gauge$ (External Taper Diameter)	Ø 1mm to Ø 50 mm	2.9 µm	Using Length Measuring Machine
		Taper Angle 1° to 11°	5.3 Arc Sec	
6.	Taper Ring Gauge$ (Internal Taper Diameter)	Ø 1mm to Ø 50 mm	3.4 µm	Using Length Measuring Machine & Master Setting Ring
		Taper Angle 1° to 11°	5.1 Arc Sec	

Mohit Kaushik
Convenor

Srinkath R.
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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
7.	Taper Thread Plug Gauge[$] (Pitch Diameter)	Ø 1mm to Ø 50 mm	10.4 µm	Using Floating Carriage Diameter Measuring Machine, Gauge Block, Surface Plate, Master Setting Cylinder & Thread Measuring Wire
		Taper Angle 1° to 11°	19.3 Arc Sec	
8.	Taper Thread Ring Gauge[$] (Pitch Diameter)	Ø 1mm to Ø 50 mm	10.4 µm	Using Master Check Plug Gauge & Lever Type Dial Gauge With Measuring Stand
		Taper Angle 1° to 11°	38.7 Arc Sec	
9.	Snap Gauge[$]	4 mm to 100 mm	6.1 µm	Using Gauge Block
10.	Limit Depth Measuring Gauge[$]	Up to 300 mm	3.9 µm	Using Plunger Type Digital Dial Indicator With Comparator Stand & Gauge Block
11.	Calipers[$] (Vernier/Dial/Digital) L.C.: 0.01mm	0 to 300 mm	13.3 µm	Using Gauge Block, Slip Gauge Accessory Set & External Micrometer
12.	External Micrometer [$] (Mechanical/Digital) L.C.: 0.001 mm	0 to 100 mm	1.5 µm	Using Gauge Block
13.	Micrometer Setting Rod[$]	25 mm to 75 mm	4.9 µm	Using Plunger Type Digital Dial Indicator with Comparator Stand & Gauge Block
14.	Dial Gauge Plunger Type [$] L.C.: 0.01 mm	0 to 30 mm	0.9 µm	Using Length Measuring Machine

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
II.	**PRESSURE INDICATING DEVICES**			
1.	Hydraulic Pressure Dial/Digital Pressure Gauge And Calibrators[$] L.C.: 1bar	0 bar to 900 bar	0.4 bar	Using Pressure Gauge Comparator (CPP1200-X, 1200 bar, WIKA) Comparison method as per DKD-R-6-1
III.	**TORQUE GENERATING DEVICES**			
1.	Torque Generating Devices [$] (Torque Wrench) – Type I And Type II L.C.: 0.5 Nm	0 to 68 Nm	4.2 %	Using Stationary Transducer with DRO Unit (Make-Crane Electronics Ltd) Comparison Method as per ISO 6789 Part 1 & Part 2
2.	DC Nut Runner [$]	4 Nm to 135 Nm	6.85 Nm	Using Master Torque Transducer by Comparison Method based on ISO 5393

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

Mohit Kaushik
Convenor

Srinkath R.
Program Manager