Laboratory	**Central Calibration Lab, E. D. Steels Pvt. Ltd., Plot No. B-19, MIDC Shiroli (P), Kolhapur, Maharashtra**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**CC-2626** **Page 1 of 3**
Validity	**22.03.2018 to 21.03.2020** **Last Amended on -**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
I.	**DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)**			
1.	Caliper [$] (Digital/Vernier/Dial) L.C.: 0.01 mm [Φ]	0 to 600 mm	19.0 µm	Using Caliper Checker. By Comparison Method as per IS 3651 Part (I), Part (II) & Part (III)
2.	External Micrometer[$] L.C.: 0.001 mm [Φ] L.C.: 0.010 mm	0 to 100 mm 100 to 300 mm	1.6 µm 6.3 µm	Using Slip Gauges & Mic. Check Set By Comparison Method as per IS 2967
3.	Plunger Dial[$] L.C.: 0.001 mm [Φ]	0 to 10 mm	2.6 µm	Using Electronic Dial Calibration Tester By Comparison Method as per IS 2092
4.	Lever Dial [$] L.C.: 0.001 mm [Φ]	0 to 1 mm	2.6 µm	Using Electronic Dial Calibration Tester By Comparison Method as per IS 11498
5.	Height Gauge[$] L.C.: 0.010 mm [Φ]	0 to 600 mm	20.0 µm	Using Caliper Checker By Comparison Method as per IS 2921
6.	Bore Gauge[$] L.C.: 0.001 mm [Φ] (Only Transmission Error)	0 to 1 mm	4.3 µm	Using Electronic Dial Calibration Tester By Comparison Method

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
7.	Plane and Master Setting Ring Gauges[$]	4 mm to 50 mm 50 mm to 350 mm	3.1 µm 4.2 µm	Using Universal Length Measuring Machine By Comparison Method As per IS 3485
8.	Snap Gauge[$]	2 mm to 50 mm	3.2 µm	Using Gauge Block Set By Comparison Method as per IS 3455
		50 mm to 350 mm	4.2 µm	Using Universal Length Measuring Machine By Comparison Method as per IS 3455
9.	Plug Gauges[$]	0.5 mm to 100 mm	2.1 µm	Using Universal Length Measuring Machine By Comparison Method as per IS 3455
		100 mm to 500 mm	5.9 µm	Using Gauge Block Set, Comp. Stand & Digital Dial. By Comparison Method as per IS 3455
10.	Setting Standards for Out - side Micrometers[$]	25 mm to 350 mm	5.9 µm	Using Gauge Block Set, Comp. Stand & Digital Dial By Comparison Method as per IS 3455
11.	Width Gauge/ Flush Pin Gauge[$]	0.5 mm to 100 mm 100 mm to 300 mm	3.4 µm 6.3 µm	Using Gauge Block Set, Comp. Stand & Digital Dial. By Comparison Method. as per IS 3455
12.	Depth Gauge[$] (Digital/ Vernier) L.C.: 0.010 mm [Φ]	0 to 300 mm	15.0 µm	Using Gauge Block Set & Surface Plate By Comparison Method as per IS 4213

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
13.	Thread Plug Gauges[$] (Effective Dia. Only)	2 mm to 100 mm	3.7 µm	Using Universal Length Measuring Machine By Comparison Method As per IS 4218, IS 14962 and IS 2334
14.	Pistol Caliper[$] L.C.: 0.1 mm [Φ]	0 to 100 mm	63.0 µm	Using Gauge Block Set By Comparison Method
15.	Internal Micrometer[$] (Tubular) L.C.: 0.010 mm [Φ]	50 mm to 125 mm	5.0 µm	Using Universal Length Measuring Machine By Comparison Method as per IS 2966

*** 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.

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Convenor

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