Laboratory	**National Test House (SR), Calibration Laboratory, Tharamani, Chennai, Tamilnadu**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Mechanical Calibration**	**Issue Date**	**16.06.2014**
Certificate Number	**C-0792**	**Valid Until**	**15.06.2016**
Last Amended on	**-**	**Page**	**1 of 2**

	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
I.	**DIMENSION**			
1.	**GAUGE BLOCKS$**	0.5 mm to 10 mm	0.12 µm	Using Reference Grade "K" Blocks
		>10 mm to 25 mm	0.15 µm	
		>25 mm to 50 mm	0.20 µm	
		>50 mm to 100 mm	0.36 µm	
2.	**DIGITAL CALIPER$**			
	L.C. : 0.01 mm	Upto 300 mm	12.4 µm	Using Gauge Blocks
		Upto 1000 mm	19.4 µm	
3.	**CALIPES$ (VERNIER & DIAL)**			
	L. C.: 0.02 mm	Upto 300mm	18 µm	Using Gauge Blocks
	L. C.: 0.02 mm	Upto 1000 mm	19.4 µm	
4.	**DIAL GAUGE$**			
	L. C.: 0.01 mm	Upto 10 mm	5.9 µm	Using Comparator Stand And "K" grade Gauge Block
	L. C.: 0.01 mm	Upto 25 mm	7.5 µm	
	L. C.: 0.01 mm	Upto 50 mm	10.4 µm	
	L. C.: 0.001 mm	Upto 1 mm	5.1 µm	
5.	**EXTERNAL MICROMETER$**			
	L. C.: 0.01 mm	0 to 25 mm	5.9 µm	Using Gauge Blocks
	L. C.: 0.01 mm	0 to 100 mm	6.5 µm	
II.	**PRESSURE AND VACUUM**			
1.	**PRESSURE (Hydraulic) $ (Dial Pressure Indicators, Digital Pressure Indicators)**	Upto 100 kg/cm^2	0.07 %	Using DKD R-6-1
		100 kg/cm^{2}to 700 kg/cm^2	0.13 %	

Avijit Das
Program Manager

Sangeeta Kunwar
Convenor

Laboratory	**National Test House (SR), Calibration Laboratory, Tharamani, Chennai, Tamilnadu**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Mechanical Calibration**	**Issue Date**	**16.06.2014**
Certificate Number	**C-0792**	**Valid Until**	**15.06.2016**
Last Amended on	**-**	**Page**	**2 of 2**

	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
III.	**FORCE**			
1.	**COMPRESSION TESTING MACHINE♣ TENSILE TESTING MACHINE & UNIVERSAL TESTING MACHINE**	50N to 500 kN (Tension & Compression)	0.44%**	Using Dynamometers

*** Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%.**

$Only in Permanent Laboratory

♣Only for Site Calibration

**** Relative accuracy error has not been considered for CMC estimation.**

Avijit Das
Program Manager

Sangeeta Kunwar
Convenor