

Laboratory

Shanmugha Precision Forging (A Unit of Vee See Bee Trust),
Shanmugha Complex, Thirumalaisamudram, Thanjavur, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

CC-2402

Page 1 of 3

Validity

06.10.2017 to 05.10.2019

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.	Caliper Vernier/Dial/Digital [§] L.C.: 0.01mm L.C.: 0.02 mm	Upto 600 mm Upto 600 mm	14.59 μ m 15.83 μ m	Using Caliper Checker IS 3651: 1982 P1(Reaffirmed 2010) , IS 3651: 1985 P2 (Reaffirmed 2010) & IS 3651: 1988 P3 (Reaffirmed 2008)
2.	Depth Caliper Vernier / Dial /Digital [§] L.C.: 0.020 mm	Upto 150 mm	13.47 μ m	Using Gauge Block Set On Surface Plate By Comparison Method IS 4213: 1991 (Reaffirmed 2010)
3.	Height Gauge Vernier / Dial / Digital [§] L.C.: 0.010 mm L.C.: 0.020 mm	0 to 300 mm 0 to 600 mm	12.02 μ m 17.3 μ m	Using Caliper Checker IS 2921 : 2016
4.	External Micrometer [§] L.C.: 0.001 mm L.C.: 0.01 mm	Upto 150 mm Upto 300 mm	1.96 μ m 8.55 μ m	Using Gauge Block Set Based On Comparison Method IS 2967: 1983 (Reaffirmed 2008)
5.	Depth Micrometer [§] L.C.: 0.01 mm	Upto 150 mm	8.2 μ m	Using Gauge Block Set Based On Comparison Method

Rajeshwar Kumar
Convenor

Avijit Das
Program Director

Laboratory

Shanmugha Precision Forging (A Unit of Vee See Bee Trust),
Shanmugha Complex, Thirumalaisamudram, Thanjavur, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

CC-2402

Page 2 of 3

Validity

06.10.2017 to 05.10.2019

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
6.	Plunger Type Dial Indicator [§] L.C.: 0.001 mm L.C.: 0.01 mm	0 to 1 mm 0 to 10 mm	1.54 μ m 3.28 μ m	Using Dial Calibration Tester By Comparison Method IS 2092: 1983 (Reaffirmed 2008)
7.	Lever Type Dial Indicator [§] L.C.: 0.001 mm L.C.: 0.01 mm	0 to 0.14 mm 0 to 0.8 mm	1.54 μ m 3.27 μ m	Using Dial Calibration Tester By Comparison Method IS 11498: 1985 (Reaffirmed 2010)
8.	Bore Gauge With Dial (For Transmission Accuracy) [§] L.C.: 0.001 mm	Upto 1 mm	2.06 μ m	Using ULM By Comparison Method
9.	Plain Plug Gauge [§]	Upto 150 mm	1.78 μ m	Using ULM Based On Comparison Method IS 3455 : 1985 (Reaffirmed 2010)
10.	Plain Ring Gauge [§]	4 mm to 200 mm	2.35 μ m	Using ULM Based On Comparison Method IS 3455 : 1985 (Reaffirmed 2010)
11.	Snap Gauge [§]	4 mm to 130 mm	2.32 μ m	Using ULM Based On Comparison Method IS 3455 : 1985 (Reaffirmed 2010), IS 7606 : 1982 (Reaffirmed 2010) & IS 14271 : 1995 (Reaffirmed 2010)

Rajeshwar Kumar
Convenor

Avijit Das
Program Director

