

Laboratory **Quality Evaluation Services-Testing Laboratory, Plot No. B-19/1,
B- Block, Autonagar, Visakhapatnam, Andhra Pradesh**

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Mechanical Testing** **Issue Date** **22.04.2014**

Certificate Number **T-1405** **Valid Until** **21.04.2016**

Last Amended on **-** **Page** **1 of 2**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. MECHANICAL PROPERTIES OF MATERIALS				
1.	Ferrous Metals	Tensile Test UTS, Breaking Load Test YS / Tensile Strength % Elongation	IS : 1608 -2005 Issue No :01 Dt :01.04.2007	1 N/mm ² -8000N/mm ² 5%-40%
		Rockwell Hardness Test	IS: 1586-2000 Issue No :01 Dt :01.04.2007	HRC 20-75
		Rockwell Hardness Test	IS: 1586-2000 Issue No :01 Dt :01.04.2007	HRB 30-100
		Bend Test	IS : 1599 -2012 Issue No :01Dt :01.04.2007	Mandrel upto 80 mm size [Ø5;Ø10; Ø 15; Ø 20; Ø 24; Ø 32; Ø 36; Ø 40; Ø 44; Ø 50; Ø 60; Ø 80 (mm)]
2.	TMT Bars	UTS, 0.2%of Proof Stress	Issue No :01 Dt :01.04.2007	1 N/mm ² -8000N/mm ²
		Rebend Test (upto Dia 12mm)	IS: 1786-2008 Amendment No :1 Nov 2012 Issue No :01 Dt :01.04.2007	Mandrel upto 80 mm size [Ø10; Ø 15; Ø 20; Ø 24; Ø 32; Ø 36; Ø 40; Ø 44; Ø 50; Ø 60; Ø 80 (mm)]
		Weight/ Meter	IS: 1786-2008 Issue No :01Dt :01.04.2007	0.085 -10.5Kg/mtr

Laboratory **Quality Evaluation Services-Testing Laboratory, Plot No. B-19/1,
B- Block, Autonagar, Visakhapatnam, Andhra Pradesh**

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Mechanical Testing** **Issue Date** **22.04.2014**

Certificate Number **T-1405** **Valid Until** **21.04.2016**

Last Amended on - **Page** **2 of 2**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	Steel Tubes	Flattening Test	IS : 2328-2005 Issue No :01 Dt :01.04.2007	150 mm OD Max
4.	Welded Plates & Pipes	Transverse Tensile Transverse Face Bend Transverse Root Bend Transverse Side Bend	ASME Sec IX- 2010Edition Addenda 2011 Issue No :01 Dt :01.04.2007	0.5– 4.0% Mandrel upto 80 mm size [Ø10; Ø 15; Ø 20; Ø 24; Ø 32; Ø 36; Ø 40; Ø 44; Ø 50; Ø 60; Ø 80](mm)

-X-X-X-X-X-X-X-X-X-X-X-X-