

Laboratory Material Testing Laboratory (Mechanical), CQA (ICV), Yeddumailaram,
Medak, Telangana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6419

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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MECHANICAL TESTING

I.	MECHANICAL PROPERTIES OF METALS			
1.	Metals & Alloys Casting, Semis and Welds	Tensile Test Tensile strength Elongation Reduction Area	IS 1608:2005	300 MPa to 1300 MPa 10 % to 70 % 5 % to 90 % (Upto 60 kN)
		Rockwell Hardness	IS 1586 (Part 1): 2012	20 HRC to 70 HRC 20 HRB to 100 HRB
		Brinell Hardness	IS 1500 (Part 1): 2013	100 HBW to 550 HBW (5mm/750kgf) 100 HBW to 550 HBW (10mm/3000kgf)
2.	Steel Sheets	Erichsen cupping Test	IS 10175:2012	01 mm to 2 mm thick Depth 0.5 mm to 20 mm

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