

**Laboratory**                      Phenix Construction Technologies, Plot No. 30P, Village Naranpura,  
Taluka Sanand, Dist. Ahmedabad, Gujarat

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

**Certificate Number**        TC-6782 *(in lieu of T-2754 & T-3321)*

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**Validity**                        17.12.2017 to 16.12.2019

**Last Amended on** 12.01.2018

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.	<b>MECHANICAL PROPERTIES OF METALS</b>			
1.	<b>Ferrous Metal &amp; Alloys</b>	Ultimate Tensile Strength Yield Strength % Elongation	ASTM A370:14 ASTM E8/8M:15a IS 1608: 2005	10 kN to 600 kN 10 kN to 600 kN 1 % to 65 %
		Rockwell Hardness	IS 1586: 2012 ASTM E18: 15	60 HRB to 100 HRB 20 HRC to 70 HRC

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**Sachin Tomar**  
Convenor

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**N. Venkateswaran**  
Program Director

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**NON – DESTRUCTIVE TESTING**

I.	<b>METALS AND ALLOYS</b>			
1.	<b>Ferrous Metal &amp; Alloys</b>	Liquid Penetrant Testing	ASME Sec. V:2015 Article-6 SE 165:2012 AWS D1.1:2015 (Visible Dye Penetrant)	Qualitative Open to Surface
		Magnetic Particle Testing	ASME Sec. V:2015 Article-7 SE 709:2015 AWS D1.1:2015	Qualitative 2.5 mm Depth from surface (Yoke, Visible, Wet & Dry)
		Ultrasonic Testing	ASME Sec. V:2015 Article 4 & Article 5:2015 SA 435:2012 SA 578:2012 AWS D1.1:2015	Qualitative Depth (8 mm to 200 mm) in steel & weld test pieces