

Laboratory Lady Dona Infra Projects Limited, 112, Kamal Park, Birati, Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2017

Certificate Number TC-5035

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Validity 27.02.2019 to 26.02.2021

Last Amended on 12.04.2019

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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**NON - DESTRUCTIVE TESTING**

I.	<b>METALS &amp; ALLOYS</b>			
1.	<b>Ferrous and Non-Ferrous Casting, Welded Joints &amp; Various Components</b>	Detection of internal defects by gamma rays (Ir- 192)	ASME Sec-V Article 2 IS 2595; IS 1182; IS 4853	Qualitative (3 mm to 70 mm)
	<b>Welds Forgings and Castings</b>	Radiography Testing by X-ray	ASME Sec-V Article 2 IS 2595; IS 1182; IS 4853	Qualitative (1 mm to 30 mm)
		Liquid Penetrant Testing (Visible)	ASME Sec V Article 6 IS 3658; IS 11732	Qualitative (Defects Open to Surface)
		Magnetic Particle Testing (Yoke) Visible & Fluorescent	ASME Sec-V Article 7 IS 3703; IS 7743; IS 5334	Qualitative (Indications Up to 3 mm depth)
		Ultra Thickness Measurement	ASTM E 797 ASME SE 797	2 mm to 200 mm
		Ultrasonic Testing	ASME Sec V Article 4 and 5 IS 7666; IS 4225; IS 4260, IS 7343; IS 9565	Qualitative Weld Plate: 6 mm to 50 mm Pipe (Dia>500mm): 6 mm to 50 mm Forging: 8 mm to 250 mm Casting: 8 mm to 250 mm
	<b>Welded Products</b>	Visual Inspection	ASME Sec -V Article 9; IS 7307	Qualitative
	<b>Steel Plates</b>	Ultrasonic Testing	ASTM A 435 / 435 M (Black Reflection Method)	120 mm
			ASTM A 578 / 578 M- 2017 IS 4225 (Direct Contact Method)	
	<b>Structural Welding</b>	Ultrasonic Testing	AWS D 1.1	

**Jitendra B. Vispute**  
Convenor

**N. Venkateswaran**  
Program Manager

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