

**Laboratory** Perfect Inspection Services, Plot No. 265, Light Industrial Area,  
Transport Nagar, Bhilai, Dist. Durg, Chhattisgarh

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

**Certificate Number** TC-5827

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**Validity** 12.06.2017 to 11.06.2019

Last Amended on --

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 AND ALLOYS</b>			
1.	<b>Weldments of Weldments Ferrous and Nonferrous Metal &amp; Metallic Pipe</b>	Radiography Flaw Detection by Ir-192	ASME Sec.V Art.22 SE-94, ASME Sec.V Art. 2, IS:1182, API – 1104, AWS D.1.1	03 mm to 65 mm
2.	<b>Metallic/Steel Casting</b>	Radiography Flaw Detection by Ir-192	ASME Sec.V Art.22 SE-1030- 2015, ASME Sec.V -2015 Art. 2-2015, IS-8780	08 mm to 65 mm
3.	<b>Steel Forging</b>	Ultrasonic Flaw Detection	ASME Sec.V, Art.23, SA-388/ 388M IS-8791	Upto 2000 mm
4.	<b>Steel Casting</b>	Ultrasonic Flaw Detection	ASME Sec.V, Art.23, SA-609/ 609M	Upto 500 mm
5.	<b>Steel Plates</b>	Ultrasonic Flaw Detection	ASME Sec.V, Art.23, SA-435/ 435M ASME Sec.V, Art.23, SA-578/ 578M, IS-4225	Upto 120 mm
6.	<b>Metal Pipe &amp; Tubing</b>	Ultrasonic Flaw Detection	ASME Sec.V,Art.23,SE-213	OD above 50 mm
7.	<b>Welded Pipe &amp; Tubing</b>	Ultrasonic Flaw Detection	ASME Sec.V,Art.23,SE-273 ASME Sec.V, Art.4 & 5 IS-4260	OD above 50 mm, Thickness 8 mm to 27 mm
8.	<b>Steel Structural Welding</b>	Ultrasonic Flaw Detection	AWS. D.1.1 IS-15531, IS-4260	8 mm to 120 mm
9.	<b>Ferrous and Nonferrous Metal</b>	Thickness by Ultrasonic	ASME Sec. V, Art.23,SE-797 IS-15435	Flat 2 mm to 25 mm & Curvature above 38 mm dia
		Liquid Penetrant Test (Visible, Solvent removal)	ASME Sec. V, Art.24, SE-165/165M, IS-3658	Open to the Surface

**Malancha Das**  
Convenor

**N. Venkateswaran**  
Program Director

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10.	<b>Ferromagnetic Material</b>	Magnetic Particle Test (Visible) Prod & Yoke Method	ASME Sec. V, Art.25, SE-709 IS-3703	Surface & sub-Surface Up to 3 mm (Max)

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