

Laboratory	RIS Engineers Private Limited, 265A, B. T. Road, Manashi Apartment, Kolkata, West Bengal		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Non-Destructive Testing	Issue Date	28.06.2014
Certificate Number	T-1776	Valid Until	27.06.2016
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S.No.	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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I. METALS AND ALLOYS

1.	Weldments of Ferrous and Non- Ferrous Metal	Radiography Testing Gamma Ray (IR-192) & X-Ray (300 KV)	ASTM E 94-2010 ASME Sec. V-2010 Art 2 ASME Sec VIII-2010 UW-51 & UW-52 IS 1182-1983 IS 4852-1982 API-1104-2001 AWS D 1.1-2008	03 mm to 70 mm in Steel
2.	Metallic Casting	Radiography Testing	ASTM E 1030-2010 ASME Sec. V-2010 Art 3 ASTM E 186 (51 mm to 114 mm) ASTM E 446 (Upto 51 mm)	03 mm to 70 mm in Steel
3.	Steel Forging	Ultrasonic Testing	ASTM A 388 / 388 M-2010	08 mm to 2000 mm in Steel
4.	Steel Casting	Ultrasonic Testing	ASTM A 609 / 609 M-2010	08 mm to 500 mm in Steel
5.	Steel Plates	Ultrasonic Testing	ASTM A 435/ 435M-2010 ASTM A 578 / 578M-2010 IS 4225-1979	08 mm to 120 mm in Steel
6.	Metal Pipe and Tubing	Ultrasonic Testing	ASTM E 213-2010	08 mm to 60 mm in Steel

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7.	Welded Pipe, Plates and Tubing	Ultrasonic Testing	ASTM E 273-2010 ASME Sec V- 2010 Art. 4 & 5 ASME Sec VIII- 2010 UW 53	08 mm to 60 mm in Steel
8.	Structural Welds	Ultrasonic Testing	AWS D 1.1-2008	08 mm to 120 mm in Steel
9.	Ferrous and Non Ferrous Metal	Ultrasonic Thickness Testing	ASTM E 797-2010	0.5 mm to 100 mm
		Liquid Penetrant Testing (Non -Fluorescent)	ASTM E 165-2010 ASTM E 1219-2010 ASTM E 1220-2010	Defects Open to Surface
10.	Ferromagnetic Material	Magnetic Particle Testing (Non -Fluorescent)	ASTM E 709-2010 Both Yoke & Prod Method	Surface and Sub-Surface Defects (Upto 4 mm Depth)

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