Laboratory	**Sri Krishna Testing and Engineering Services Private Limited, Plot no. – 65, Sector – 58, Ballabgarh, Faridabad, Hariyana**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Certificate Number	**T- 4357**	**Issue Date**	**15.12.2016**
Discipline	**Mechanical Testing**	**Valid Until**	**14.12.2018**
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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
I	MECHANICAL PROPERTIES OF METALS			
1.	**Metals Ferrous & Non Ferrous**	UTS YS %Elongation %Reduction Area	IS:1608 - 2005	50 Mpa to 1500 Mpa 35 Mpa to 1350 Mpa Up to 80 % Up to 80 % (Up to 600kN)
2.	**Welded Material (Ferrous)**	UTS	ASME Sec.-IX: 2012, AWS D1.1/D1.1M:2010, AWS B4.0:2007	400 Mpa to 1200 Mpa
3.	**Ferrous Welded Plates**	Root Bend / Face Bend Test	ASME Sec.-IX:2012	Mandrel Ø 16 – 62.5
4.	**Ferrous Material**	Weight per Meter	IS:1786 - 2008	0.2 kg/m to 4 kg/m
5	**Ferrous Material**	Bend Test	IS:1599-2012	Mandrel Ø 16 – 62.5
		Re Bend Test	IS:1786 - 2008	
6.	**Metallic Material Ferrous and Non Ferrous**	Hardness by Vickers	IS:1501(Pt-1) 2013	100 HV5 to 800 HV5
		Hardness by Brinnel	IS: 1500 (Pt-1) 2013	120 – 550 HBW (5/750) 120 – 550 HBW (10/3000)
		Hardness by Rockwell A Hardness by Rockwell B Hardness by Rockwell C	IS:1586 (Pt-1)2012	1-88 HRA/1 HRA 20 -98 HRB/1 HRB 20 -65 HRC/1 HRC
7.	**Metals & Alloys**	Izod Impact "V" Notch	IS: 1598 – 1977 (RA – 2009)	2 Joules/ 2J to 160 Joules/ 2J
8.	**Metals & Alloys**	Charpy Imp. "U" Notch	IS: 1499 -1977 (RA- 2009)	2 – 300 joules at room

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
				temp. & upto – 46°C/2J
		Charpy Imp. "V" Notch	IS: 1757 – 1988 (RA- 1994)	2 – 300 joules at room temp. & upto – 46°C/2J
9.	**Steel**	Jominy Hardenability test	IS: 3848 - 2003	Qualitative
10.	**Ferrous Metals & Alloys / Bloom Forging and Casting**	Macro Structural Analysis	IS: 11371 – 1985 (RA – 2003)	X 5 Max.
11.	**Ferrous Grey Iron, Malleable Iron,**	1. Micro sample preparation & etching.	IS: 7739 -1976 (Pt. 5) (RA- 2003)	NA
	S.G. Iron & Steel in various H.T. Condition	2.Microstructure Analysis of Graphite in Cast Iron by firm distribution & size	IS: 7754 – 1975 (RA 2003)	Up to 600 X
		Microstructures analysis	ASM VOL-9	
12.	**Ferrous**	Estimation of Grain Size by Microscopic Method	IS: 4748 – 2009 (by Comparison)	Up to 100X
13.	**Steel**	Determination of Inclusion Rating- Method A Comparison method	IS: 4163 – 2004 (RA - 2009)	Type ABCD & DS 0.5 to 3
14.	**Steel**	Determination of Case Depth	IS: 6416 – 1988 (RA- 2003) (by Microscopic Method)	0.1 mm to 1 mm
15.	**Steel**	Determination of Depth of Decarb by Microscopic Method	IS: 6396 – 2000 (RA- 2003)	0.1mm to 0.3mm
16.	**Steel**	Macro Streak Flaw Test	IS: 4075 – 1985 (RA – 2003)	Qualitative

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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
17.	**Metal Sheets & Strips**	Erichsen Cupping test	IS:10175:2012	0.05mm to 1.5 mm
18.	**Ferrous & Non ferrous pipe**	Drift Expanding Test	IS:2335-2005 (RA 2010)	15 mm to 100 mm
19.	**Ferrous & Non ferrous pipe**	Flattening Test	IS:2328:2005 (RA 2010)	Qualitative
20.	**Austenitic Stainless Steel**	I.G.C. Test as per Practice 'E'	ASTM A-262	NA

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