National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INSTITUTE OF SONIC AND ENGINEERING CO., 21, CHARU CHANDRA PLACE (EAST), KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 18/08/2021 to 17/08/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Site Facility				
1	NON-DESTRUCTIVE-METALS & ALLOYS	Bond Evaluation (White metal to Steel/Bronze)	Detection of internal flaws (A-scan)	ISO 4386/1
2	NON-DESTRUCTIVE-METALS & ALLOYS	Bond Evaluation (White metal to Steel/Bronze)	Detection of internal flaws (A-scan)	SOP OM 18/1 07 (Annexure-4) (RDSO Specn No. MP 0.2402.01 (Rev.02)
3	NON-DESTRUCTIVE-METALS & ALLOYS	Detection of Surface and Sub-surface flaws for Ferromagnetic material	Prod Method	IS 10724
4	NON-DESTRUCTIVE-METALS & ALLOYS	Detection of Surface and Sub-surface flaws for Ferromagnetic material	Yoke Method (Fluorescent & Visible) & Prod Method	ASME SEC V, Article 7
5	NON-DESTRUCTIVE-METALS & ALLOYS	Detection of Surface and Sub-surface flaws for Ferromagnetic material	Yoke Method (Fluorescent & Visible) & Prod Method	ASTM E 709
6	NON-DESTRUCTIVE-METALS & ALLOYS	Detection of Surface and Sub-surface flaws for Ferromagnetic material	Yoke Method (Fluorescent & Visible) & Prod Method	ASWS D1.1
7	NON-DESTRUCTIVE-METALS & ALLOYS	Detection of Surface and Sub-surface flaws for Ferromagnetic material	Yoke Method (Fluorescent & Visible) & Prod Method	IS 3703
8	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous	Thickness Testing	ASTM E 797/E797 M
9	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous	Thickness Testing	ASTM E 797/E797 M
10	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous	Thickness Testing	ASTM E 797/E797 M
11	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous	Thickness Testing	IS 15435
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous	Thickness Testing	IS 15435
13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous	Thickness Testing	IS 15435
14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous metals	Visible Dye only	ASME SEC V, Article 6
15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and non-ferrous metals	Visible dye only	AWS D1.1
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and non-ferrous metals	Visible dye only	IS 3658
17	NON-DESTRUCTIVE-METALS & ALLOYS	Forging (Ferrous)	Detection of internal flaws	IS 3664
18	NON-DESTRUCTIVE-METALS & ALLOYS	Forging (Ferrous)	Detection of internal flaws	IS 3664

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19	NON-DESTRUCTIVE-METALS & ALLOYS	Forging (Ferrous)	Detection of internal flaws (A-Scan)	ASME SEC V, Article 5
20	NON-DESTRUCTIVE-METALS & ALLOYS	Forging (Ferrous)	Detection of internal flaws (A-Scan)	ASTM A 388 /A388M
21	NON-DESTRUCTIVE-METALS & ALLOYS	Forging (Ferrous)	Detection of internal flaws (A-Scan)	IS 8791
22	NON-DESTRUCTIVE-METALS & ALLOYS	Metal Pipe and Tubing	Detection of internal flaws	ASME SEC V, Article 5
23	NON-DESTRUCTIVE-METALS & ALLOYS	Metal Pipe and Tubing	Detection of internal flaws	IS 6394
24	NON-DESTRUCTIVE-METALS & ALLOYS	Metal Pipe and Tubing	Detection of internal flaws (A-Scan)	ASTM E 213
25	NON-DESTRUCTIVE-METALS & ALLOYS	Metallic Casting	Detection of flaws with radio isotopes (Ir 192)	ASTM E 1030/E 1030M
26	NON-DESTRUCTIVE-METALS & ALLOYS	Metallic casting	Detection of flaws with X-rays	ASTM E 1030/E 1030M
27	NON-DESTRUCTIVE-METALS & ALLOYS	Non-Ferrous	Thickness Testing	ASTM E 797/E797 M
28	NON-DESTRUCTIVE-METALS & ALLOYS	Non-Ferrous	Thickness Testing	IS 15435
29	NON-DESTRUCTIVE-METALS & ALLOYS	Non-ferrous	Visible dye only	ASTM E 1417 / E1417M
30	NON-DESTRUCTIVE-METALS & ALLOYS	Non-ferrous metals	Visible dye only	ISO 4386/3
31	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Casting	Detection of internal flaws (A-Scan)	ASME SEC V, Article 5
32	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Casting	Detection of internal flaws (A-Scan)	ASTM A 609/A 609M
33	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Casting	Detection of internal flaws (A-Scan)	IS 7666
34	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Casting	Detection of internal flaws (A-Scan)	IS 9565
35	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plate	Detection of internal flaws	ASME SEC V, Article 5
36	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plate	Detection of internal flaws	ASTM A 435 SA 435M
37	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plate	Detection of internal flaws	ASTM A 578 578M

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38	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plate	Detection of internal flaws	IS 11630
39	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Pipe	Detection of internal flaws	IS 4260
40	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Pipe & Tubing	Detection of internal flaws	ASTM E 273
41	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Plate	Detection of internal flaws	IS 4260
42	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous and metallic pipe	Detection of flaws with radio Isotopes (Ir 192)	API 1104
43	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous metal and metallic pipe	Detection of flaws with radio isotopes (Ir 192)	AWS D1.1/D1.1M
44	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous metal and metallic pipe	Detection of flaws with radio isotopes (Ir 192)	IS 1182
45	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous metal and metallic pipe	Detection of flaws with X-rays	API 1104
46	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous metal and metallic pipe	Detection of flaws with X-Rays	AWS D1.1/D1.1M
47	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous metal and metallic pipe	Detection of flaws with X-rays	IS 1182
48	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous, non-ferrous metal & metallic pipes	Detection of flaws with radio isotopes (Ir 192)	ASME SEC V, Article 1 & 2
49	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous, non-ferrous metal & metallic pipes and casting	Detection of flaws with X-rays	ASME SEC V, Article 1 & 2
50	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous, non-ferrous metal and metallic pipes	Defection of flaws with radio isotopes (Ir 192)	ASTM E 1416
51	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous, non-ferrous metal and metallic pipes	Detection of flaw with radio isotopes (Ir 192)	ASTM E 1032
52	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous, non-ferrous metal and metallic pipes	Detection of flaws with X-Rays	ASTM E 1032
53	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of ferrous, non-ferrous metal and metallic pipes	Detection of flaws with X-Rays	ASTM E 1416
54	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of metallic pipe	Detection of flaws with radio isotopes (Ir 192)	IS 2825
55	NON-DESTRUCTIVE-METALS & ALLOYS	Welding of metallic pipe	Detection of flaws with X-rays	IS 2825
56	NON-DESTRUCTIVE-METALS & ALLOYS	Welds	Detection of internal flaws	ASME SEC V Article 4

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57	NON-DESTRUCTIVE-METALS & ALLOYS	Welds	Detection of internal flaws	AWS D1.1/D1.1M