National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SPARK INSTITUTE OF NONDESTRUCTIVE TESTING (NDT LABORATORY DIVISION), PLOT NO. 2, RAMESHWARI ROAD, PARVATI NAGAR, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10972 **Page No** 1 of 2

Validity 06/09/2022 to 05/09/2024 **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-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure, Foundations, Building Structure	Rebound Hammer Test	IS 516 (Part 5 / Section 4)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete Structure, Foundations, Building Structure	Ultrasonic Pulse Velocity Test	IS 516 (Part 5 / Section 1)
3	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material (Weld, Casting, Forging, Plates and Pipes)	Magnetic Particle Test, Yoke Method (Non Fluorescent and Fluorescent)	ASME SECTION V, ARTICLE 7 & 25
4	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material (Weld, Casting, Forging, Plates and Pipes)	Magnetic Particle Test, Yoke Method (Non Fluorescent and Fluorescent)	ASTM E709
5	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Casting)	Ultrasonic Testing (Manual, Contact Method)	ASME SECTION V, ARTICLE 23
6	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Casting)	Ultrasonic Testing (Manual, Contact Method)	ASTM A609/609M
7	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Casting)	Ultrasonic Testing (Manual, Contact method)	IS 7666
8	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Pipe & Tubing)	Ultrasonic Testing (Manual, Contact Method)	ASME SECTION V, ARTICLE 23
9	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Steel Plate)	Ultrasonic Testing (Manual, Contact Method)	ASME SECTION V, ARTICLE 23
10	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous (Weld, Casting, Forging, Plates and Pipes)	Ultrasonic Testing (Manual, Contact Method)	IS 3664
11	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non Ferrous Material (Weld)	Ultrasonic Testing (Manual, Contact method)	ASME SECTION V, ARTICLE 4
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non Ferrous Material	Ultrasonic Thickness Measurement	ASTM E797
13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non Ferrous Material (Weld, Casting, Forging, Plates and Pipes)	Liquid penetrant test Fluorescent method C	ASTM E1219
14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non Ferrous Material (Weld, Casting, Forging, Plates and Pipes)	Liquid Penetrant Test Visible Removable Method C	ASTM E1220
15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non Ferrous Material (Weld, Casting, Forging, Plates and Pipes)	Liquid Penetrant Testing Visible Solvent Removable Method	ASME SECTION V, ARTICLE 6 & 24
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non Ferrous Material (Weld, Casting, Forging, Plates and Pipes)	Liquid Penetrant Testing Visible Solvent Removable Method C	ASTM E165M

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17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non Ferrous Material (Welds)	Ultrasonic Testing (Manual, Contact method)	IS 4260
18	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Forging Material)	Ultrasonic Testing (Manual, Contact method)	ASME SECTION V, ARTICLE 23
19	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Forging Material)	Ultrasonic Testing (Manual, Contact method)	ASTM A388/388M
20	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Pipe & Tubing)	Ultrasonic Testing (Manual, Contact method)	ASTM E213
21	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Steel Plate)	Ultrasonic Testing (Manual, Contact method)	ASTM A435/435M
22	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Steel Plate)	Ultrasonic Testing (Manual, Contact method)	ASTM A577/577M
23	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Steel Plate)	Ultrasonic Testing (Manual, Contact method)	ASTM A578/578M
24	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material (Steel Plate)	Ultrasonic Testing (Manual, Contact method)	IS 4225
25	NON-DESTRUCTIVE-METALS & ALLOYS	Non- Ferrous Material (Aluminum Plate)	Ultrasonic Testing (Manual, Contact method)	ASTM B548