National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DUTTCON CONSULTANT & ENGINEERS PVT.LTD (NON-DESTRUCTIVE TESTING LABORATORY), 115 B.K PAUL AVENUE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9448 **Page No** 1 of 6

Validity 20/04/2021 to 19/04/2023 **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
Permanent Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete / Reinforced Concrete Structural Members	Carbonation Depth test	EN 14630
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete / Reinforced Concrete Structural Members	Cover Depth Test or Rebar Locator Test	BS 1881 (Part 204)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete / Reinforced Concrete Structural Members	Half Cell Potential Difference Test	ASTM C876
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete / Reinforced Concrete Structural Members	Re Bound Hammer Test	IS:516 (Part 5/Sec 4)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete / Reinforced Concrete Structural Members	Ultrasonic Pulse Velocity Test	IS:516 (Part 5/Sec 1)
6	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Flaws	Ultrasonic Flaw Detection	ASME Sec-V Article 4, Article 5
7	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Flaws	Ultrasonic Flaw Detection	IS 3664
8	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Welds	Liquid Penetrate Test	IS:3658
9	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Welds	Liquid Penetrate Testing	ASME Sec-V Article 6
10	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Welds	Magnetic Particle Test (Yoke) [Fluorescent & Non-Fluorescent]	IS:5334
11	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Welds	Magnetic Particle Testing (Yoke Method) [Fluorescent & Non-Fluorescent]	ASTM E 709
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Magnetic Particle Testing (Yoke Method) [Fluorescent & Non-Fluorescent	IS 10724
13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Magnetic Particle Testing (Yoke Method) [Fluorescent & Non-Fluorescent]	ASTM E 1444/1444M

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14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Magnetic Particle Testing (Yoke Method) [Fluorescent & Non-Fluorescent]	IS 3703
15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals	Liquid Penetrate Testing	ASTM E 1417/1417M
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals	Liquid Penetrate Testing	ASTM E 165- (Vol 3.03)
17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals	Ultrasonic Thickness Testing	ASTM E 797
18	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals	Ultrasonic Thickness Testing	IS 15435
19	NON-DESTRUCTIVE-METALS & ALLOYS	Metal Pipe & Tubing	Ultrasonic Testing	ASTM E 213
20	NON-DESTRUCTIVE-METALS & ALLOYS	Metal Pipe & Tubing	Ultrasonic Testing	IS 6394
21	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Casting	Ultrasonic Testing	ASTM A 609/609M-12
22	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Casting	Ultrasonic Testing	IS 7666
23	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Forging	Ultrasonic Testing	ASTM A 388/388M
24	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Forging	Ultrasonic Testing	ASTM SA 745
25	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Forging	Ultrasonic Testing	IS 15452
26	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Forging	Ultrasonic Testing	IS 8791
27	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plates	Ultrasonic Testing	ASTM A 435/435M
28	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plates	Ultrasonic Testing	ASTM A 578/578M
29	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plates	Ultrasonic Testing	IS 11630
30	NON-DESTRUCTIVE-METALS & ALLOYS	Structural Welds	Ultrasonic Testing	AWS D 1.1
31	NON-DESTRUCTIVE-METALS & ALLOYS	UT testing of Butt welds in ferritic steel other than pipes.	Ultrasonic Testing	IS:4260

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32	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Plate, Weld Zone of welded pipe and tubing	Ultrasonic Testing	ASME (Sec V): Article 4&5
33	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Plate, Weld Zone of welded pipe and tubing	Ultrasonic Testing	ASME (Sec VIII) Appendix 12, UW-53, Div. 1
34	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Plate, Weld Zone of welded pipe and tubing	Ultrasonic Testing	ASTM E 273
35	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Plate, Weld Zone of welded pipe and tubing	Ultrasonic Testing	AWS D1.1/D1.1M

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Site Facility				
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2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete / Reinforced Concrete Structural Members	Cover Depth Test or Rebar Locator Test	BS 1881 (Part 204)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete / Reinforced Concrete Structural Members	Half Cell Potential Difference Test	ASTM C876
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete / Reinforced Concrete Structural Members	Re Bound Hammer Test	IS:516 (Part 5/Sec 4)
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6	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Flaws	Ultrasonic Flaw Detection	ASME Sec-V Article 4, Article 5
7	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Flaws	Ultrasonic Flaw Detection	IS 3664
8	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Welds	Liquid Penetrate Test	IS:3658
9	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Welds	Liquid Penetrate Testing	ASME Sec-V Article 6
10	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Welds	Magnetic Particle Test (Yoke) [Fluorescent & Non-Fluorescent]	IS:5334
11	NON-DESTRUCTIVE-METALS & ALLOYS	Examination of Welds	Magnetic Particle Testing (Yoke Method) [Fluorescent & Non-Fluorescent]	ASTM E 709
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Magnetic Particle Testing (Yoke Method) [Fluorescent & Non-Fluorescent	IS 10724
13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Magnetic Particle Testing (Yoke Method) [Fluorescent & Non-Fluorescent]	ASTM E 1444/1444M

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15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals	Liquid Penetrate Testing	ASTM E 1417/1417M
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals	Liquid Penetrate Testing	ASTM E 165- (Vol 3.03)
17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals	Ultrasonic Thickness Testing	ASTM E 797
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20	NON-DESTRUCTIVE-METALS & ALLOYS	Metal Pipe & Tubing	Ultrasonic Testing	IS 6394
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22	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Casting	Ultrasonic Testing	IS 7666
23	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Forging	Ultrasonic Testing	ASTM A 388/388M
24	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Forging	Ultrasonic Testing	ASTM SA 745
25	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Forging	Ultrasonic Testing	IS 15452
26	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Forging	Ultrasonic Testing	IS 8791
27	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plates	Ultrasonic Testing	ASTM A 435/435M
28	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plates	Ultrasonic Testing	ASTM A 578/578M
29	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plates	Ultrasonic Testing	IS 11630
30	NON-DESTRUCTIVE-METALS & ALLOYS	Structural Welds	Ultrasonic Testing	AWS D 1.1
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33	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Plate, Weld Zone of welded pipe and tubing	Ultrasonic Testing	ASME (Sec VIII) Appendix 12, UW-53, Div. 1
34	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Plate, Weld Zone of welded pipe and tubing	Ultrasonic Testing	ASTM E 273
35	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Plate, Weld Zone of welded pipe and tubing	Ultrasonic Testing	AWS D1.1/D1.1M