National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : UNIQUE ENGINEERING AND SERVICES, D-BLOCK, HOUSE NO.18, KRISHNA NAGAR, BAGU, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9945 **Page No** 1 of 5

Validity 04/10/2021 to 03/10/2023 **Last Amended on** 11/11/2022

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	CHEMICAL- METALS & ALLOYS	Stainless Steel and Alloy Steels	PMI Testing (Positive Materials Identification)	ASTM E572
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	All weld Tensile 0.2% PS/YS,UTS, %E, %R	IS 1608 (Part-1)
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	All weld Tensile 0.2% PS/YS,UTS, %E, %R	ASTM A370
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	All weld Tensile 0.2% PS/YS,UTS, %E, %R	ISO 6892
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	BEND TEST	ASME Sec IX
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	BEND TEST	ASTM A370
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	BEND TEST	IS 1599
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	BEND TEST	IS 3600 (Part-5)
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	BEND TEST	ISO 5173
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	BEND TEST	ISO 7438
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	ROCKWELL HARDNESS (SACLE-B)	IS 1586 P1
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	ROCKWELL HARDNESS (SCALE-B)	ASTM E18
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	ROCKWELL HARDNESS (SCALE-B)	ISO 6508 (Part-1)

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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	ROCKWELL HARDNESS (SCALE-C)	ASTM E18
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	ROCKWELL HARDNESS (SCALE-C)	IS 1586 (Part-1)
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	ROCKWELL HARNESS (SCALE-C)	ISO 6508 (Part-1)
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars	Tensile 0.2% PS/YS,UTS, %E, %R	ISO 6892 (Part-1)
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars, Reinforced Steel Bars	RE-BEND TEST	IS 1786
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates, Forgings, casting, Welding, Fitting, CI, TMT, Bars	Charpy "V" Notch Impact Test	IS 1757 P1
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Plates, Forgings, casting, Welding, Fitting, CI, TMT, Bars	IZOD TEST	IS 1598
21	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (DRY)	ASME SECTION V (ARTICLE 25)
22	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (DRY)	ASTM A275/A275M
23	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (DRY)	ASTM E1444/E1444M
24	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (DRY)	IS 7743
25	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (WET)	ASME SECTION V (ARTICLE 25)
26	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (WET)	ASTM A275/A275M
27	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (WET)	ASTM E1444/E1444M
28	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (WET)	IS 7743
29	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND N0N-FERROUS METALS	YOKE TEST METHOD (DRY)	ASTM E709

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30	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND N0N-FERROUS METALS	YOKE TEST METHOD (WET)	ASTM E709
31	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	ANGLE BEAM ULTASONIC TEST BY PULSE-ECHO CONTACT METHOD	ASTM A577/A577M
32	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	STRAIGHT BEAM ULTRASONIC TEST BY PULSE-ECHO CONTACT METHOD	ASTM A435/A435M
33	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	STRAIGHT BEAM ULTRASONIC TESTING OF STEEL PLATES	IS 4225
34	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	ULTRASONIC TEST BY PULSE-ECHO CONTACT METHOD	IS 3664
35	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	ULTRASONIC TESTING OF BUTT WELDS IN FERRITIC STEELS	IS 4260
36	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NONFERROUS MATERIALS, STEEL ALLOYS, METALLIC AND NON-METALLIC MATERIALS.	ULTRASONIC THICKNESS MEASUREMENT BY PULSE-ECHO CONTACT METHOD	ASTM E797/E797M
37	NON-DESTRUCTIVE-METALS & ALLOYS	Paint & GI coated (Structural Steel, Plates , Pipes, Fitting, Sheet, Tubes, Bars)	Paint Coating Thickness	ASTM E376

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Site Facility				
1	CHEMICAL- METALS & ALLOYS	Stainless Steel and Alloy Steels	PMI Testing (Positive Materials Identification)	ASTM E572
2	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (DRY)	ASME SECTION V (ARTICLE 25)
3	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (DRY)	ASTM A275/A275M
4	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (DRY)	ASTM E1444/E1444M
5	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (DRY)	IS 7743
6	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (WET)	ASME SECTION V (ARTICLE 25)
7	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (WET)	ASTM A275/A275M
8	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (WET)	ASTM E1444/E1444M
9	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	YOKE TEST METHOD (WET)	IS 7743
10	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND N0N-FERROUS METALS	YOKE TEST METHOD (DRY)	ASTM E709
11	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND N0N-FERROUS METALS	YOKE TEST METHOD (WET)	ASTM E709
12	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	ANGLE BEAM ULTASONIC TEST BY PULSE-ECHO CONTACT METHOD	ASTM A577/A577M
13	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	GAMMA RADIOGRAPHY	ASME SECTION V (ARTICLE 2)
14	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	GAMMA RADIOGRAPHY	IS 2595
15	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	GAMMA RADIOGRAPHY ,upto 60 am thickness	ASTM E446
16	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	STRAIGHT BEAM ULTRASONIC TEST BY PULSE-ECHO CONTACT METHOD	ASTM A435/A435M
17	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	STRAIGHT BEAM ULTRASONIC TESTING OF STEEL PLATES	IS 4225

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18	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	ULTRASONIC TEST BY PULSE-ECHO CONTACT METHOD	IS 3664
19	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON-FERROUS MATERIALS, STEEL ALLOYS	ULTRASONIC TESTING OF BUTT WELDS IN FERRITIC STEELS	IS 4260
20	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NONFERROUS MATERIALS, STEEL ALLOYS, METALLIC AND NON-METALLIC MATERIALS.	ULTRASONIC THICKNESS MEASUREMENT BY PULSE-ECHO CONTACT METHOD	ASTM E797/E797M
21	NON-DESTRUCTIVE-METALS & ALLOYS	Paint & GI coated (Structural Steel, Plates , Pipes, Fitting, Sheet, Tubes, Bars)	Paint Coating Thickness	ASTM E376
22	NON-DESTRUCTIVE-METALS & ALLOYS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, CI, TMT, Tubes, Bars, Reinforced Steel Bars only ferrous materials.	RADIOGRAPHY TESTING (X-RAY)	IS 2595
23	NON-DESTRUCTIVE-METALS & ALLOYS	Structural Steel, Plates , Pipes, Forgings, casting, Welding, Fitting, Sheet, TMT, Tubes, Bars, Reinforced Steel Bars only ferrous materials.	RADIOGRAPHY TESTING (X-RAY)	ASME SEC-V Article 2 and 22