National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	WELDING & TESTING LAB, A DIVISION OF INSTITUTE OF WELDING & TESTING TECHNOLOGY, 303, LAXMI INDUSTRIAL ESTATE, PENKAR PADA, MIRA ROAD (E), MIRA BHAYANDAR, THANE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC- 6544	**Page No**	1 of 5
Validity	29/01/2022 to 28/01/2024	**Last Amended on**	27/03/2022

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	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar (TOR Steel)	Bend	IS 1599
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel bars (TOR Steel)	Rebend test	IS 1786
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength deformed steel bars (TOR STEEL)	Percentage Elongation	IS 1608 Part 1
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength deformed steel bars (TOR STEEL)	Ultimate Tensile Strength	IS 1608 Part 1
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars (TOR Steel)	Weight per Meter	IS 1786
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength deformed steel bars (TOR STEEL)	Yield Strength	IS 1608 Part 1
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals and Alloys	Vickers Hardness Test HV10	IS 1501
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals and Alloys	Vickers hardness Test HV30	IS 1501
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals and Alloys	Vickers Hardness Tests HV5	IS 1501
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metal	Vickers Hardness Test HV10	IS0 6507-1
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metal	Vickers Hardness Test HV30	BS EN ISO 6507-1
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metal	Vickers Hardness Test HV5	BS EN ISO 6507-1
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metal, welding Rods, Electrodes & Filler Metals.	% Elongation	IS 1608 Part 1

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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metal	Weld fracture test	BS EN ISO 9017
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metal, welding rods, electrodes and filler metal.	Yield strength	ISO 15607
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals	% Reduction in area	BS EN 13134
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals	% Reduction in area.	ASME Sec II Part C
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals	% Reduction in area.	ASTM A370
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals	% Reduction in area.	ISO 15607
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metal, welding rods, electrodes and filler metals	Longitudinal Face bend	ASME Sec II (Part - C)
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metal, welding rods, electrodes and filler metals	Longitudinal side bend	ASME Sec II (Part - C)
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metal, welding rods, electrodes and filler metals	Transverse face bend	ASME Sec II Part - C
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metal, welding rods, electrodes and filler metals	Transverse Root bend	ASME Sec II (Part - C)
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metal, welding rods, electrodes and filler metals	Transverse side bend	ASME sec II (Part - C)
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals	Ultimate Tensile Strength	ASTM A370
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, Welding Rods, electrodes and filler metals	Ultimate Tensile Strength	BS EN 13134
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metal, welding rods, electrodes and filler metals.	% Elongation	ASME Sec II Part C

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28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	% Elongation	ASTM A 370
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	% Elongation	BS EN 13134
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	% Elongation	ISO 15607
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, Welding Rods, Electrodes and Filler Metals.	% Reduction in area.	IS 1608 Part 1
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Hardness test - Rockwell HRBW	IS 6508:1
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metal, welding rods, electrodes and filler metals.	Hardness Test - Rockwell HRC	IS 1586 (Part 1)
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Longitudinal Face bend	ASME Section IX
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, Welding rods, electrodes and filler metals.	Longitudinal face bend	ASTM A370
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Longitudinal face bend	BS EN ISO 5173 +A1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, Welding rods, electrodes and filler metals.	Longitudinal Side bend	ASTM A 370
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Transverse Face bend	ASME Section IX
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metal, welding rods, electrodes and filler metals.	Transverse Face bend	ASTM A370
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Transverse Face bend	BS EN ISO 5173 +A1
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Transverse Root bend	ASME section IX

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42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, Welding rods, electrodes and filler metals.	Transverse Root bend	ASTM A 370
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Transverse Root bend	BS EN ISO 5173 +A1
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Transverse Side Bend	ASME Section IX
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, Welding rods, electrodes and filler metals.	Transverse Side bend	ASTM A 370
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Transverse Side Bend	BS EN ISO 5173 +A1
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, Welding Rods, electrodes and filler metals.	Ultimate Tensile Strength	ASME Section IX
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Ultimate Tensile Strength	ISO 15607
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Visual Inspection of weld.	BS EN ISO 17637
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Yield Strength	ASME Sec II (Part -C)
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Yield strength	ASTM A 370
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, welding rods, electrodes and filler metals.	Yield Stress	BS EN 13134
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent Metal, Welding rods, electrodes, electrodes, and filler metals.	Ultimate Tensile Strength	ASME sec II (Part C)
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metals, welding rods, electrodes & filler Metals.	Yield Strength	ISO 1608 Part 1
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metals, welding Rods, Electrodes and Filler metals.	Ultimate Tensile Strength	IS 1608 Part 1

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56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Parent metals, welding rods, electrodes and filler metals.	Ultimate Tensile Strength	ISO 4136
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plate, Steel Sheet, Steel Round Bar	Bend Test	IS 1599
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plate, Steel Sheet, Steel Round Bar	Percentage Elongation	IS 1608 Part 1
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plate, Steel Sheet, Steel Round Bar	Ultimate Tensile Strength	IS 1608 Part 1
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plate, Steel Sheet, Steel Round Bar.	Yield Strength	IS 1608 Part 1
61	MECHANICAL-METALLOGRAPHY TEST	Parent metal, welding rods, electrodes and filler metal.	Macro	ISO 17639