National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	QUALITY ASSURANCE LAB OF JSW STEEL LIMITED, GEETAPURAM, DOLVI, TALUKA: PEN, RAIGAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5585	**Page No**	1 of 5
Validity	20/03/2022 to 19/03/2024	**Last Amended on**	07/05/2022

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	Ferrous alloys- Plain Carbon and Low Alloy Steels	Manganese	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Manganese	IS 8811
3	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Molybdenum	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Molybdenum	IS 8811
5	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Nickel	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Nickel	IS 8811
7	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Niobium	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Niobium	IS 8811
9	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Nitrogen	ASTM E1019
10	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Nitrogen	IS 228 (Part 23)
11	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Phosphorus	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Phosphorus	IS 8811
13	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Silicon	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Silicon	IS 8811
15	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Sulphur	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Sulphur	IS 8811
17	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Titanium	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Titanium	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Vanadium	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Ferrous alloys- Plain Carbon and Low Alloy Steels	Vanadium	IS 8811
21	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Aluminium	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Aluminium	IS 8811
23	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Boron	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Boron	IS 8811
25	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Calcium	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Calcium	IS 8811
27	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Carbon	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Carbon	IS 8811
29	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Chromium	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Chromium	IS 8811
31	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Copper	ASTM E415
32	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Copper	IS 8811
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Bend test	ASTM A370
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Bend test	IS 1599
35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Brinell Hardness test, 10mm/3000kg load	ASTM E10

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36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Brinell Hardness test, 10mm/3000kg load	ISO 6506 (Part 1)
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Brinell Hardness test, 10mm/3000kg load	IS 1500 (Part 1)
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Charpy Impact test at room temperature to -40°C	ASTM E23
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Charpy Impact test at room temperature to -40°C	IS 1757 (Part 1)
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Charpy Impact test at room temperature to -40°C	ISO 148 (Part 1)
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Erichsen Cupping Test, 2 to 3.5mm thickness	IS 6240
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Rockwell Hardness test- HRBW	ASTM E18
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Rockwell Hardness test- HRBW	IS 1586 (Part 1)
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Rockwell Hardness test- HRBW	ISO 6508 (Part 1)
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Rockwell Hardness test- HRC	ASTM E18
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Rockwell Hardness test- HRc	IS 1586 (Part 1)
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Rockwell Hardness test- HRC	ISO 6508 (Part 1)
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Tensile test- Yield Stress / Proof Stress	ASTM A370
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Tensile test- Yield Stress / Proof Stress	IS 1608 (Part 1)

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50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Tensile test- Yield Stress / Proof Stress	ISO 6892 (Part 1)
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Tensile testing- %Elongation	ASTM A370
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Tensile testing- %Elongation	IS 1608 (Part 1)
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Tensile testing- %Elongation	ISO 6892 (Part 1)
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Tensile testing- Ultimate Tensile Strength	ASTM A370
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Tensile testing- Ultimate Tensile Strength	IS 1608 (Part 1)
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Tensile testing- Ultimate Tensile Strength	ISO 6892 (Part 1)
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Vickers Hardness test - HV10	ASTM E384
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Vickers Hardness test - HV10	IS 1501 (Part 1)
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Vickers Hardness test - HV10	ISO 6507 (Part 1)
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Vickers Hardness test- HV5	ASTM E384
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Vickers Hardness test- HV5	IS 1501 (Part 1)
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals and Alloys	Vickers Hardness test- HV5	ISO 6507 (Part 1)
63	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals and Alloys	Grain Size by Microscopic Method	IS 4748

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64	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals and Alloys	Determination of Inclusion Rating	ASTM E45
65	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals and Alloys	Determination of Inclusion Rating	IS 4163
66	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals and Alloys	Estimation of Grain Size by Microscopic Method	ISO 643
67	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals and Alloys	Grain Size by Microscopic Method	ASTM E112
68	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals and Alloys	Microstructure Analysis	ASM Metal Handbook Vol 9