National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY ASSURANCE LAB, STEEL AND MILLS OF JSW STEEL LIMITED, VIJAYANAGAR WORKS, VIDYANAGAR POST, BELLARY, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 22/02/2023 to 21/02/2025 **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	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Carbon (C)	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Silicon (Si)	JIS G1253
3	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Aluminum (Al)	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Aluminum (Al)	IS 8811
5	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Aluminum (Al)	JIS G1253
6	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Boron (B)	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Boron (B)	IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Boron (B)	JIS G1253
9	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Calcium (Ca)	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Calcium (Ca)	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Calcium (Ca)	JIS G1253
12	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Carbon (C)	ASTM E1019
13	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Carbon (C)	IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Carbon (C)	JIS G1253
15	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Chromium (Cr)	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Chromium (Cr)	IS 8811
17	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Chromium (Cr)	JIS G1253
18	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Copper (Cu)	ASTM E415

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19	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Copper (Cu)	IS 8811
20	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Copper (Cu)	JIS G1253
21	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Manganese (Mn)	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Manganese (Mn)	IS 8811
23	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Manganese (Mn)	JIS G1253
24	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Molybdenum (Mo)	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Molybdenum (Mo)	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Molybdenum (Mo)	JIS G1253
27	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Nickel (Ni)	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Nickel (Ni)	IS 8811
29	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Nickel (Ni)	JIS G1253
30	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Niobium (Nb)	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Niobium (Nb)	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Niobium (Nb)	JIS G1253
33	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Nitrogen (N) analysis by Combustion and Inert Gas Fusion Techniques	ASTM E1019
34	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Oxygen (O) analysis by Combustion and Inert Gas Fusion Techniques	ASTM E1019
35	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Phosphorus (P)	ASTM E415
36	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Phosphorus (P)	IS 8811

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37	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Phosphorus (P)	JIS G1253
38	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Silicon (Si)	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Sulfur (S)	ASTM E1019
40	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Sulfur (S)	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Sulfur (S)	IS 8811
42	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Sulfur (S)	JIS G1253
43	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Tin (Sn)	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Tin (Sn)	IS 8811
45	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Tin (Sn)	JIS G1253
46	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Titanium (Ti)	ASTM E415
47	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Titanium (Ti)	IS 8811
48	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Titanium (Ti)	JIS G1253
49	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Vanadium (V)	ASTM E415
50	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Vanadium (V)	IS 8811
51	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low carbon, medium carbon & high carbon)	Vanadium (V)	JIS G1253
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	ASTM A 370
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	IS:1599
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Drop Weight Tear Test	API 5L3

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55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Drop Weight Tear Test	ASTM E208
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	ASTM E18
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	IS:1586 (Part-1)
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	JIS Z 2245
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Elongation	ASTM A370
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Elongation	IS: 1608 (Part-1)
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Elongation	ISO: 6892 (Part-1)
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Elongation	JIS Z 2241
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Ultimate Tensile Strength	IS: 1608 (Part-1)
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Ultimate Tensile Strength	ASTM A370
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Ultimate Tensile Strength	ISO: 6892 (Part-1)
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Ultimate Tensile Strength	JIS Z 2241
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Yield Strength / Proof Stress	ASTM A370
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Yield Strength / Proof Stress	ISO: 6892 (Part-1)

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69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Yield Strength / Proof Stress	JIS Z 2241
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Pendulum V-Notch Impact Test, Temp. 0 and -40 deg. C	IS 1757
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Pendulum V-Notch Impact Test, Temp. 0 and -40 deg. C	JIS Z 2242
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Pendulum V-Notch Impact Test, Temp. 0 and -40 deg. C	ISO 148 (Part-1)
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Modified Erichsen Cupping Test	IS:10175
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Modified Erichsen Cupping Test	IS:6240
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Modified Erichsen Cupping Test	ISO:20482
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Modified Erichsen Cupping Test	JIS Z 7729
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness Test (HV10)	ASTM E92
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness Test (HV10)	IS: 1501 (Part-1)
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness Test (HV10)	JIS Z 2244
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness Test (HV5)	ASTM E92
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness Test (HV5)	IS:1501 (Part-1)
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness Test (HV5)	JIS Z 2244

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83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Pendulum V-Notch Impact Test, Temp. 0 and -40 deg. C	ASTM E23
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	ASTM E18
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	IS:1586 (Part-1)
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	JIS Z 2245
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Yield Strength / Proof Stress	IS: 1608 (Part-1)
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Coating	Measurement of coating weight of Zinc on steel base	IS:6745
89	MECHANICAL-METALLOGRAPHY TEST	Estimation of Grain size by Microscopic Method	Estimation of Grain size by Microscopic Method	ASTM E112
90	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimation of Grain size by Microscopic Method	IS: 4748
91	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro structure Analysis	ASTM Metal Hand book Volume 9
92	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys and products	Determination of Inclusion Rating	IS:4163
93	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys and products	Determination of Inclusion Rating	ASTM E45