National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

RATNAMANI METALS & TUBES LTD, QC LAB, CARBON STEEL PLANT

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

PLOT NO. 3306 TO 3309, GIDC ESTATE, PHASE IV, CHHATRAL, GANDHINAGAR, GUJARAT, INDIA

in the field of

TESTING

Certificate Number: TC-10418

Issue Date: 17/03/2026 **Valid Until:** 16/03/2030

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: RATNAMANI METALS & TUBES LTD.

Signed for and on behalf of NABL

Anuja Anand
Director

Dr. Ramanand N. Shukla
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RATNAMANI METALS & TUBES LTD, QC LAB, CARBON STEEL PLANT, PLOT NO. 3306 TO 3309, GIDC ESTATE, PHASE IV, CHHATRAL, GANDHINAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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 Testing				
1	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Carbon (C)	ASTM E 415
2	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Aluminum (Al)	ASTM E 415
3	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Aluminum (Al)	IS 8811
4	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Boron (B)	ASTM E 415
5	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Boron (B)	IS 8811
6	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Carbon (C)	IS 8811
7	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Chromium (Cr)	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Chromium (Cr)	IS 8811
9	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Copper (Cu)	ASTM E 415
10	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Copper (Cu)	IS 8811
11	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Manganese (Mn)	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Manganese (Mn)	IS 8811
13	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Molybdenum (Mo)	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Molybdenum (Mo)	IS 8811
15	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Nickel (Ni)	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Nickel (Ni)	IS 8811
17	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Niobium (Nb)	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Niobium (Nb)	IS 8811
19	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Nitrogen (N)	ASTM E 415

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20	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Phosphorus (P)	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Phosphorus (P)	IS 8811
22	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Silicon (Si)	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Silicon (Si)	IS 8811
24	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Sulphur (S)	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Sulphur (S)	IS 8811
26	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Titanium (Ti)	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Titanium (Ti)	IS 8811
28	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Vanadium (V)	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Ferrous Metals (Carbon Steel / Low Alloy Steel) [Welded Pipes /Plates]	Vanadium (V)	IS 8811
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Yield Strength (0.2% Proof stress)	ASTM A370-97a
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Charpy Impact test (V Notch) at room temperature and temperature Up to -60 °C	ASTM A 370-24a
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Charpy Impact test (V Notch) at room temperature and temperature Up to -60 °C	ASTM A370-97a
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Charpy Impact test (V Notch) at room temperature and temperature Up to -60 °C	ASTM E23
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Charpy Impact test (V Notch) at room temperature and temperature Up to -60 °C	ASTM E23
35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Charpy Impact test (V Notch) at room temperature and temperature Up to -60 °C	ISO 148-1
36	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Guided Root Bend / Guided Face Bend / Guided Side Bend	ASTM A 370-24a

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37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Guided Root Bend / Guided Face Bend / Guided Side Bend	IBR 1950 – Reg.3
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Guided Root Bend / Guided Face Bend / Guided Side Bend	IS 3589
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Guided Root Bend / Guided Face Bend / Guided Side Bend	ISO 7438
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Guided Root Bend / Guided Face Bend / Guided Side Bend	ASTM A370-97a
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Material Bend	ASTM E 290
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Material Bend	IS 1599
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Rockwell Hardness Test	ASTM A370-24a
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Rockwell Hardness Test	ISO 6508-1
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-% Elongation	ASTM A 370-24a
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-% Elongation	ASTM A370-97a
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-% Elongation	ASTM E8/E8M
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-% Elongation	IS 1608 (Part 1)
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-% Elongation	ISO 6892-1
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Ultimate Tensile Strength	ASTM A 370-24a

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51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Ultimate Tensile Strength	ASTM A370-97a
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Ultimate Tensile Strength	ASTM E8/E8M
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Ultimate Tensile Strength	IS 1608 (Part 1)
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Ultimate Tensile Strength	ISO 6892-1
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Yield Strength (0.2% Proof stress)	ASTM A 370-24a
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Yield Strength (0.2% Proof stress)	ASTM E8/E8M
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Yield Strength (0.2% Proof stress)	IS 1608 (Part 1)
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Yield Strength (0.2% Proof stress)	ISO 6892-1
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Yield Stress (0.5% Extension Under Load)	ASTM A370-97a
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Yield Stress (0.5% Extension Under Load)	ASTM A 370-24a
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Yield Stress (0.5% Extension Under Load)	ASTM E8/E8M
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Yield Stress (0.5% Extension Under Load)	IS 1608 (Part 1)
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Tensile Test-Yield Stress (0.5% Extension Under Load)	ISO 6892-1
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Vickers Hardness Test	ASTM A370-24a

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65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Vickers Hardness Test	ASTM A370-24a
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Vickers Hardness Test	ASTM E 92
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Vickers Hardness Test	ASTM E92
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Vickers Hardness Test	ISO 6507-1
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welded Pipes/Plates)	Vickers Hardness Test	ISO 6507-1
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals (Carbon Steel /Low alloy steel/Welds)	Guided Root Bend / Guided Face Bend / Guided Side Bend	ASTM E190
71	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Ultrasonic Testing (Manual, Contact method)	ASME Section V, Article 4
72	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Radiographic Testing (X-Rays, Film)	API 5L 46th Edition
73	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Radiographic Testing (X-Rays, Film)	ASME Sec. V, Article-2
74	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Radiographic Testing (X-Rays, Film)	ASTM E94
75	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Radiographic Testing (X-Rays, Film)	AWS D1.1
76	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Radiographic Testing (X-Rays, Film)	AWS D1.1
77	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Radiographic Testing (X-Rays, Film)	ISO 10893-6
78	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Real-Time Radiographic Testing (X-Ray)	API 5L 46th Edition
79	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Real-Time Radiographic Testing (X-Ray)	ASME Sec. V, Article-2
80	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Real-Time Radiographic Testing (X-Ray)	ASTM E2698
81	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Real-Time Radiographic Testing (X-Ray)	ISO 10893-7
82	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Ultrasonic Testing (Automated, Contact method)	ASME Section V, Article 4

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83	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Ultrasonic Testing (Automated, Contact method)	ASTM E273
84	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Ultrasonic Testing (Automated, Contact method)	ISO 10893-11
85	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Ultrasonic Testing (Manual, Contact method)	ASTM E 164
86	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Ultrasonic Testing (Manual, Contact method)	AWS D1.1
87	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Ultrasonic Testing (Manual, Contact method)	AWS D1.1
88	NON-DESTRUCTIVE-METAL & ALLOYS	Metals and Alloys (Pipes)	Ultrasonic Testing (Manual, Contact method)	ISO 10893-11