National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LAB OF JINDAL STEEL & POWER LIMITED, KHARSIA ROAD, RAIGARH, CHHATTISGARH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7548 **Page No** 1 of 5

Validity 10/09/2021 to 09/09/2023 **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	Plain Carbon & Low Alloy Steels	Aluminium	ASTME-415
2	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Aluminium	IS1811
3	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Antimony (Sb)	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Arsenic	ASTME-415
5	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Arsenic	IS 8811
6	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Boron	ASTME-415
7	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Boron	ASTME-415
8	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Boron	IS 8811
9	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Calcium	ASTME-415
10	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Carbon	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Carbon	ASTME-1019
12	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Carbon	IS 8811
13	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Chromium	ASTME-415
14	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Chromium	IS 8811
15	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Copper	ASTME-415
16	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Copper	IS 8811
17	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Hydrogen	IS:228(Part 22)
18	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Lead	ASTM E353

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19	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Manganese	ASTM E-415
20	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Manganese	IS 8811
21	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Molybdenum	ASTME-415
22	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Molybdenum	IS 1811
23	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Nickel	ASTME-415
24	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Nickel	IS1811
25	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Niobium	ASTME-415
26	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Niobium	IS 8811
27	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Nitogen	ASTME-415
28	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Nitrogen	ASTME-1019
29	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Oxygen	ASTME-1019
30	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Phosphorous	ASTME-415
31	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Phosphorous	IS 8811
32	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Silicon	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Silicon	IS 1811
34	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Sulphur	ASTME-1019
35	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Sulphur	ASTME-415
36	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Sulphur	IS 8811
37	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Tin	ASTME-415

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38	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Tin	IS 8811
39	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Titanium	ASTME-415
40	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Titanium	IS 8811
41	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Tungsten	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Vanadium	ASTME-415
43	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Vanadium	IS 8811
44	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Zirconium	ASTME-415
45	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Zirconium	IS 8811
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	% Elongation	ASTM A 370
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	% Elongation	BS EN ISO 6892
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	% Elongation	BS EN ISO 6892 -1
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	% Elongation	IS 1608 (Part 1)
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	% Elongation	IS 1608 (Part1)
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Bend	IS 1599
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Fatigue	ASTM E 606 (High Cycle Fatigue)
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Fatigue	EN 13674-1+A1

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54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Fracture Toughness	ASTM E 399 SE(B) Specimen
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Fracture Toughness	EN 13674-1+ A1
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Hardness (HBW 10/3000)	ASTM A 370
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Hardness (HBW 10/3000)	IS 1500 (Part 1)
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Impact Charphy (-40ºC to 32º C)	BS EN ISO 148-1
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Impact Charphy (-40ºC to 32º C)	IS 1757 (Part 1)
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Impact Charphy (-40ºC to 32º C)	IS 1757(Part 1)
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Reduction area	ASTM A 370
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Reduction area	BS EN ISO 6892-1
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Reduction area	IS 1608 (Part 1)
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Reduction area	IS 1608(Part 1)
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Residual Test (In Rail)	EN 13674-1+A1
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Ultimate Tensile Strength	ASTM A 370
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Ultimate Tensile Strength	BS EN ISO 6892-1

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68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Ultimate Tensile Strength	IS 1608 (Part 1)
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Ultimate Tensile Strength	IS 1608(Part 1)
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Yield Strength	IS 1608 (Part 1)
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Yield Strength	IS 1608(Part 1)
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material Ferrous Materials	Yield Strength (0.2% proof stress)	ASTM A 370
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials Ferrous Materials	Yield Strength (0.2% proof stress)	IS 1608 (Part 1)