National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RESEARCH & CONTROL LABORATORY, SAIL - BHILAI STEEL PLANT, BHILAI STEEL PLANT, BHILAI, DURG, CHHATTISGARH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10931 **Page No** 1 of 3

Validity 24/08/2022 to 23/08/2024 **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	Aluminum	ASTM E 415
2	CHEMICAL- METALS & ALLOYS	Carbon Steel	Aluminum	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	ASTM E 415
4	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	IS 8811
5	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	ASTM E 415
6	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	IS 8811
7	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorous	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorous	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	ASTM E 415
10	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	IS 8811
13	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	IS 8811
16	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Antimony	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811
18	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E 415

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19	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811
20	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811
22	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 8811
24	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811
26	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811
28	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	IS 8811
30	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	ASTM E 1019
31	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	IS 228 (Part 24)
32	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Oxygen	ASTM E 1019
33	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Oxygen	IS 228 (Part 18)
34	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	IS 8811
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811

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38	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	ASTM E 415
39	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 8811
40	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	ASTM E 415
41	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	IS 8811
42	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	ASTM E 415
43	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	IS 8811
44	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	IS 8811
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Flat Products-Hot Rolled Plates	Tensile Test (% Elongation)	IS 1608 / ISO 6892
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Flat Products-Hot Rolled Plates	Tensile Test (UTS)	IS 1608 / ISO 6892
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Flat Products-Hot Rolled Plates	Tensile Test (YS)	IS 1608 / ISO 6892
49	MECHANICAL- METALLOGRAPHY TEST	Steel	Grain Size by Comparision Method	ASTM E 112 (Clause 10)
50	MECHANICAL- METALLOGRAPHY TEST	Steel	Grain Size by Comparision Method	IS 4748 (Clause 7.1.2)
51	MECHANICAL- METALLOGRAPHY TEST	Steel	Inclusion Rating by Comparison Method	ASTM E 45 (Method A)
52	MECHANICAL- METALLOGRAPHY TEST	Steel	Inclusion Rating by Comparison Method	IS 4163 (Method A)