National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CONTROL & TESTING LABORATORY, BANARAS LOCOMOTIVE WORKS, VARANASI, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6729 **Page No** 1 of 3

Validity 06/03/2022 to 05/03/2024 **Last Amended on** 03/04/2022

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	Steel (Low alloy and Carbon Steel)	Aluminium	ASTM E 415
2	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Aluminium	IS 8811
3	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Carbon	ASTM E 415
4	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Carbon	IS 8811
5	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Chromium	ASTM E 415
6	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Chromium	IS 8811
7	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Copper	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Copper	IS 8811
9	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Manganese	ASTM E 415
10	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Manganese	IS 8811
11	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Molybdenum	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Molybdenum	IS 8811
13	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Nickel	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Nickel	IS 8811
15	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Phosphorus	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Phosphorus	IS 8811
17	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	SIlicon	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Silicon	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Sulphur	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Sulphur	IS 8811
21	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Vanadium	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Steel (Low alloy and Carbon Steel)	Vanadium	IS 8811
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Mateials	Brinell Hardness	ASTM A 370
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ASTM A370
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ASTM E8/E8M
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	IS 1608 Part1
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	ASTM A 370
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	ASTM E8/E8M
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	IS 1608 part1
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness	ASTM A370
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness	ASTM E 10
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test -30 degree C to room temperature	IS 1757 part 1
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	ASTM A 370

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34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	ASTM E 18
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	ASTM A 370
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	ASTM E8/E8M
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	IS 1608 part1
38	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Metallographic Test-Micro structural Analysis	ASM Handbook vol-9 , Metallography and Microstructures