National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CMT LABORATORY, KHARAGPUR WORKSHOP, SOUTH EASTERN RAILWAY, SER, KHARAGPUR, MEDINIPUR WEST, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7731 **Page No** 1 of 2

Validity 04/10/2021 to 03/10/2023 **Last Amended on** 10/12/2021

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 & Low Alloy Steel	Copper	IS 8811
2	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	IS 8811
4	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	IS 8811
5	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	IS 8811
7	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorous	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulfur	IS 8811
10	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
11	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
12	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
13	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
14	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
15	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
16	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 9879
17	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
18	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	IS 9879

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19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Draw Gear Components (Ferrous) (Draw Bar, Screw Coupling, Draw Hook)	Proof Load Testing	RDSO maintenance instruction CMI 9901(REV-2)
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Alloys	%Elongation	IS 1608 (Part-I)
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Alloys	Bend Test	IS 1599
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Alloys	Brinell Hardness Test	is 1500(PT-1)
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Alloys	Rockwell Hardness Test	IS 1586 (PT-I)
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Alloys	Rockwell Hardness Test	IS 1586 (PT-I)
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Alloys	Tensile Strength	IS 1608 (Part-I)
26	NON-DESTRUCTIVE-METALS & ALLOYS	Casting, Weld, Forging Ferrous and Non Ferrous alloys	Liquid Penetrant Test Visible, Solvent Removable Technique	ASTM E 1417
27	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic alloys	Magnetic Particle Testing Yoke, Visible technique	ASTM E1444
28	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Forging (Axle)	Ultrasonic Testing Flaw Detection by A-Scan Contact Method	RDSO K-405 & MC-34:17 IS 3664