National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : M & C LABORATORY, CARRIAGE & WAGON WORKSHOP, EASTERN RAILWAY, PO & PS LILUAH, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11292 **Page No** 1 of 2

Validity 14/01/2023 to 13/01/2025 **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	Stainless Steel	Carbon	IS 9879
2	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
3	CHEMICAL- METALS & ALLOYS	Carbon steel (Low carbon , Medium and High Carbon)	Aluminum	IS 8811
4	CHEMICAL- METALS & ALLOYS	Carbon steel (Low carbon , Medium and High Carbon)	Carbon	IS 8811
5	CHEMICAL- METALS & ALLOYS	Carbon steel (Low carbon , Medium and High Carbon)	Chromium	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon steel (Low carbon , Medium and High Carbon)	Copper	IS 8811
7	CHEMICAL- METALS & ALLOYS	Carbon steel (Low carbon , Medium and High Carbon)	Manganese	IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon steel (Low carbon , Medium and High Carbon)	Molybdenum	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon steel (Low carbon , Medium and High Carbon)	Nickel	IS 8811
10	CHEMICAL- METALS & ALLOYS	Carbon steel (Low carbon , Medium and High Carbon)	Phosphorus	IS 8811
11	CHEMICAL- METALS & ALLOYS	carbon steel (Low carbon , Medium and High Carbon)	Silicon	IS 8811
12	CHEMICAL- METALS & ALLOYS	Carbon steel (Low carbon , Medium and High Carbon)	Sulphur	IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon steel (Low carbon , Medium and High Carbon)	Vanadium	IS 8811
14	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
15	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
16	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
17	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
18	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879

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19	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Brinell Hardness Test (10/3000 kgf)	IS 1500 : Part 1
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Rockwell Hardness - HRC	IS 1586 : Part 1
23	NON-DESTRUCTIVE-METALS & ALLOYS	Forged axle of ICF coaches.	Flaw Detection by A- Scan Contact Method	Code of Procedure MC-34 issued by RDSO, Lucknow.