National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : C & M LABORATORY, CARRIAGE WORKSHOP, NORTH WESTERN RAILWAY, JONESGANJ, AJMER, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4051 **Page No** 1 of 2

Validity 04/02/2022 to 03/02/2024 **Last Amended on** 05/03/2023

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	Alloy Steel	Carbon	IS 228 (Part 1)
2	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium	IS 228 (Part 6)
3	CHEMICAL- METALS & ALLOYS	Alloy Steel	Manganese	IS 228 (Part 2)
4	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nickel	IS 228 (Part 5)
5	CHEMICAL- METALS & ALLOYS	Alloy Steel	Silicon	IS 228 (Part 8)
6	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	IS 228 (Part 1)
7	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	IS 228 (Part 2)
8	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	IS 228 (Part 8)
9	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228 (Part 6)
10	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228 (Part 5)
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test (HBW) 2.5 mm dia/187.5 kg	IS 1500 (Part 1)
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness (B Scale)	IS 1586 (Part 1)
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (C Scale)	IS 1586 Part 1
14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test (16,20,24,30,31and 36 mm)	IS 1599
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Bend Test (16,20,24,30,31and 36 mm)	IS 3600 Part 5
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Tensile Strength	IS 1608 Part 1

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17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys &products	Percentage Elongation	IS 1608 Part 1
18	NON-DESTRUCTIVE-METALS & ALLOYS	Ferro Magnetic Materials	Magnetic Particle Testing(Central Conductor,Head Shot, yoke techniques, Fluorescent, and non - fluorescent, Wet)	IS 3703
19	NON-DESTRUCTIVE-METALS & ALLOYS	ICF(Integral Coach Factory) Coach Axles	Ultra Sonic Testing (1000m/s to 9000 m/s)	COP-K-405
20	NON-DESTRUCTIVE-METALS & ALLOYS	ICF(Integral Coach Factory) Coach Axles	Ultrasonic Testing(1000m/s to 9000 m/s)	COP-MC-34
21	NON-DESTRUCTIVE-METALS & ALLOYS	LHB(linke Hoffmann Busche) Coach Axle	Ultrasonic testing (1000m/s to 9000 m/s)	COP- MC-85