# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** C & M LABORATORY, CHITTARANJAN LOCOMOTIVE WORKS, CHITTARANJAN LOCOMOTIVE WORKS, P.O. : CHITTARANJAN, BURDWAN WEST, CHITTARANJAN, PASCHIM BARDHAMAN, WEST BENGAL, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-9826 **Page No** 1 of 1

**Validity** 06/09/2021 to 05/09/2023 **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 | mild steel raw material | CARBON | IS 8811 |
| 2 | CHEMICAL- METALS & ALLOYS | MILD STEEL raw material | PHOSPHORUS | IS 8811 |
| 3 | CHEMICAL- METALS & ALLOYS | MILD STEEL raw material | SILICON | IS 8811 |
| 4 | CHEMICAL- METALS & ALLOYS | MILD STEEL raw material | SULPHUR | IS 8811 |
| 5 | CHEMICAL- METALS & ALLOYS | MILD STEEL Raw materials | MANGANESE | IS 8811 |
| 6 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | METAL FERROUS | EL | IS 1608(PART 1) |
| 7 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | METAL FERROUS | ROCKWELL HARDNESS | IS 1586(PART 1) |
| 8 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | METAL FERROUS | ROCKWELL HARDNESS | IS 1586(PART-1) |
| 9 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | METAL FERROUS | UTS | IS 1608 (PART-1) |
| 10 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | METAL FERROUS | YS | IS 1608 (PART 1) |
| 11 | MECHANICAL- METALLOGRAPHY TEST | METAL FERROUS | GRAPHITE SIZE AND DISTRIBUTION | IS 7754 |
| 12 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | RUBBER/POLYMER | TENSILE STRENGTH | IS 3400 |