National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL & METALLURGICAL LABORATORY, CARRIAGE WORKSHOP, LALLAGUDA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6367 **Page No** 1 of 2

Validity 01/12/2021 to 30/11/2023 **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	Cast Iron	Carbon	IS 12308 (Part 11)
2	CHEMICAL- METALS & ALLOYS	Ferrous components Carbon Steel (Low Alloy Steel)	Chromium	IS 228 (Part 6)
3	CHEMICAL- METALS & ALLOYS	Ferrous components Carbon Steel (Low Alloy Steel)	Manganese	IS 228 (Part 2)
4	CHEMICAL- METALS & ALLOYS	Ferrous components Carbon Steel (Low Alloy Steel)	Molybdenum	IS 228 (Part 10)
5	CHEMICAL- METALS & ALLOYS	Ferrous components Carbon Steel (Low Alloy Steel)	Nickel	IS 228 (Part 5)
6	CHEMICAL- METALS & ALLOYS	Ferrous components Carbon Steel (Low Alloy Steel)	Phosphorus	IS 228 (Part 3)
7	CHEMICAL- METALS & ALLOYS	Ferrous components Carbon Steel (Low Alloy Steel)	Silicon	IS 228 (Part 8)
8	CHEMICAL- METALS & ALLOYS	Ferrous components Carbon Steel (Low Alloy Steel)	Sulphur	IS 228 (Part 9)
9	CHEMICAL- METALS & ALLOYS	Ferrous components Carbon Steels (Low Alloy Steel)	Carbon	IS 228 (Part 1)
10	CHEMICAL- METALS & ALLOYS	High Manganese steel	Manganese	IS 228 (Part 2)
11	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 228 (Part 6)
12	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228 (Part 5)
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & alloys	Brinell Hardness Test HBW 10/3000	IS 1500 (Part-1)
14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals & alloys	Elongation	IS 1608 (Part 1)
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals & alloys	Rockwell Hardness Test HRB	IS 1586 (Part 1)
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals & alloys	Tensile strength	IS 1608 (Part 1)

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17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals & alloys	Yield strength	IS 1608
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	Rockwell Hardness Test, HRC	IS 1586 (Part 1)
19	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Alloys (Forging steels)	Ultrasonic Testing Contact Technique	RDSO K-405, MC-34 & MC-85, ASTM A388