National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT DYNAMICS LIMITED, MATERIAL TESTING LABORATORY, BHANUR, SANGAREDDY, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5804 **Page No** 1 of 3

Validity 06/01/2023 to 05/01/2025 **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	Aluminium Alloy	Copper	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Aluminium Alloy	Iron	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Aluminium Alloy	Magnesium	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Aluminium Alloy	Manganese	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminium Alloy	Silicon	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminium Alloy	Titanium	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium Alloy	Zinc	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Brass	Iron	BS EN 15079
9	CHEMICAL- METALS & ALLOYS	Brass	Lead	BS EN 15079
10	CHEMICAL- METALS & ALLOYS	Brass	Tin	BS EN 15079
11	CHEMICAL- METALS & ALLOYS	Brass	Zinc	BS EN 15079
12	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E 415

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19	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
21	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
22	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
23	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
24	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
25	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
26	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Components -Ferrous and Non Ferrous Metals and Alloys & products (Housing, Explosive Screw, Lamp Support and Axle)	Load Test	BDL-MTL-TM-03
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Metals and Alloys & products	Yield Strength	IS 1608 (Part 1)
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & Products	Elongation	IS 1608 (Part 1)
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & Products	Rockwell Hardness- Scale A	IS 1586 (Part 1)
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & Products	Rockwell Hardness- Scale B	IS 1586 (Part 1)
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & Products	Rockwell Hardness- Scale C	IS 1586 (Part 1)
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, Alloys & Products	Ultimate Tensile Strength	IS 1608 (Part 1)
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Elongation	IS 1608 (Part 1)

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35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous metals, Alloys & Products	Ultimate Tensile Strength	IS 1608 (Part 1)