National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ELECTROSTEEL CASTINGS LIMITED- LABORATORY, 30, B.T. ROAD, KHARDAH, SUKCHAR, 24 PARAGANAS NORTH, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7429 **Page No** 1 of 2

Validity 28/06/2023 to 27/06/2025 **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	Cast Iron	Carbon	ASTM E 1999
2	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338
3	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	Lab SOP ECL-KW/SOP/LAB-01
4	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999
5	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
6	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
7	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	IS 15338
8	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
9	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
10	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
11	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	IS 15338
12	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	% Elongation after fracture	ASTM E8
13	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	% Elongation after fracture	EN ISO 6892-1
14	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	% Elongation after fracture	IS 1608 Part 1
15	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	0.2% Proof Stress	ASTM E8
16	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	0.2% Proof Stress	EN ISO 6892-1

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17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	0.2% Proof Stress	IS 1608 Part 1
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	Brinell Hardness	IS 1500-1
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	Brinell hardness Test	ISO 6506-1
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	Charpy Impact (at Room Temperature & -40 deg. C)	ASTM E23
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	Ultimate Tensile Strength	EN ISO 6892-1
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	Ultimate Tensile Strength	IS 1608 Part 1
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron, Ductile Iron & Steel	Ultimate Tensile Strength (MPa)	ASTM E8
24	MECHANICAL-METALLOGRAPHY TEST	Ductile iron and cast iron	Microstructure- Optical Microscopy	ASTM A247