National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : A.D. ELECTRO STEEL CO. PVT. LTD. (TESTING LABORATORY), BALTIKURI SURKIMIL, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5706 **Page No** 1 of 2

Validity 28/06/2022 to 27/06/2024 **Last Amended on** 09/08/2022

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	Carbon Steel (low carbon, medium carbon & high carbon steel)	Manganese (Mn)	IS 8811
2	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low alloy Steel	Aluminum (Al)	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low alloy Steel	Carbon(C)	IS 8811
4	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low alloy Steel	Chromium (Cr)	IS 8811
5	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low alloy Steel	Copper (Cu)	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low alloy Steel	Molybdenum	IS 8811
7	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low alloy Steel	Nickel	IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low alloy Steel	Phosphorous	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low alloy Steel	Silicon(Si)	IS 8811
10	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low alloy Steel	Sulphur (S)	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon Steel and Low alloy Steel	Vanadium (V)	IS 8811
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test	IS1500-1
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact Test(V-Notch) at ambient temperature to -40 deg C	IS 1757 Part 1
14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation%	IS 1608 (Part 1)
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction Area%	IS 1608 (part 1)
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	1608 (Part 1)

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17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	1608 (Part-1)
18	MECHANICAL-METALLOGRAPHY TEST	Microstructure	Metallographic Examination (Microscopic Method)	ASM HAND BOOK VOLUME IX ; IS 7739