National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TRANSRAIL TESTING CENTRE TRANSRAIL LIGHTING LIMITED, B-1/1, MIDC, DEOLI, WARDHA, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6003 **Page No** 1 of 3

Validity 23/08/2021 to 22/08/2023 **Last Amended on** 06/09/2021

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	Galvanized Structural Steel	Mass of Zinc Coating	ASTM A 90
2	CHEMICAL- METALS & ALLOYS	Galvanized Structural Steel	Mass of Zinc Coating	IS 6745
3	CHEMICAL- METALS & ALLOYS	Galvanized Structural Steel	Mass of Zinc Coating	ISO 1460
4	CHEMICAL- METALS & ALLOYS	Galvanized Structural Steel	Zinc Uniformity Test / Preece Test	ASTM A 239
5	CHEMICAL- METALS & ALLOYS	Galvanized Structural Steel	Zinc Uniformity Test / Preece Test	IS 2633
6	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	Al	IS 8811
7	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	C	IS 8811
8	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	Cr	IS 8811
9	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	Cu	IS 8811
10	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	Mn	IS 8811
11	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	Mo	IS 8811
12	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	Nb	IS 8811
13	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	Ni	IS 8811
14	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	P	IS 8811
15	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	S	IS 8811
16	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	Si	IS 8811
17	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	Ti	IS 8811
18	CHEMICAL- METALS & ALLOYS	Plain Carbon, Low Alloy Steel	V	IS 8811

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19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Elongation(%)	ASTM E8M
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Elongation(%)	IS 1608(Part 1)
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Elongation(%)	ISO 6892 (Part 1)
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Impact Testing Charpy "V" Notch	IS 1757 (Part 1)
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Rockwell Hardness	IS 1586 (Part 1)
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Tensile Strength	ASTM E8M
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Tensile Strength	IS 1608(Part 1)
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Tensile Strength	ISO 6892 (Part 1)
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Yield Strength	ASTM E8M
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Yield Strength	IS 1608(Part 1)
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural steel & Reinforced Steel)	Yield Strength	ISO 6892 (Part 1)
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural Steel & Reinforced Steel)	Bend Test	IS 1599
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products (Structural Steel & Reinforced Steel)	Bend Test / Re-bend Test	IS 1786
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel	Weight / meter	IS 1786

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33	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Industrial Products (Proto type Transmission Tower and Monopole Testing)	Loading Tests On Overhead lines structures	IEC 60652
34	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Industrial Products (Proto type Transmission Tower and Monopole Testing)	Loading Tests On Overhead lines structures	IS 802 (Part III)
35	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Cold Headed Cylindrical Metallic Product / Galvanized Threaded fastener	Shear Strength	IS 5242
36	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Cold Headed Cylindrical Metallic Product / Galvanized Threaded fastener	Ultimate Tensile Load	IS 1608(Part 1)
37	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Cold Headed Cylindrical Metallic Product / Galvanized Threaded fastener	Ultimate Tensile Load	ISO 6892 (Part 1)
38	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Cold Headed Cylindrical Metallic Product / Galvanized Threaded fastener	Wedge Load / Ultimate Tensile Load	ASTM F606M
39	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Cold Headed Cylindrical Metallic Product / Galvanized Threaded fastener	Wedge Load / Ultimate Tensile Load	IS 1367 (Part 3)