National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TRANSRAIL LAB, TRANSRAIL LIGHTING LIMITED, SURVEY NO. 227/1/1/1/1/1, VILLAGE KHERDI, KHANVEL KHERDI ROAD, SILVASSA, DADRA AND NAGAR HAVELI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8675 **Page No** 1 of 2

Validity 03/10/2021 to 02/10/2023 **Last Amended on** 17/11/2021

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- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron and Steel Articles	Locating Thinnest Spot	ASTM A239
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron and Steel Articles	Mass of Zinc Coating	ASTM A90 /A90M: 2013 RA
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron and Steel Articles	Mass of Zinc Coating	IS 6745: 1972 RA
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron and Steel Articles	Mass of Zinc Coating	ISO 1460: 1992 RA
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron and Steel Articles	Uniformity of Coating	IS 2633: 1986 RA
6	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	3 Phase Induction Motor	Withstand Voltage Test (5 kV)	IS/IEC 60034 (Part 1)
7	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Low Voltage Panel	High Voltage Test (5 kV)	IS/IEC 61439-1
8	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Low Voltage Panel	Insulation Resistance (2 M-Ohm, 500 V)	IS/IEC 61439-1
9	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Luminaries	Electrical Strength (5 kV)	IS 10322 (Part 1)
10	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Luminaries	Insulation Resistance (2 M-Ohm, 500 V)	IS 10322 (Part 1)
11	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Three Phase Induction Motor	Insulation Resistance (200 M-Ohm, 500 V)	IS 7816
12	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	% Elongation	BS EN ISO 6892-1
13	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	% Elongation	IS 1608 (Part 1)
14	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Bend Test (Mandrel Diameter 6, 8, 10, 12, 14, 16, 20, 24, 28, 30, 32, 40, 44, 50, 60 mm)	IS 1599: 2012 RA
15	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Tensile Strength	BS EN ISO 6892-1

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16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Yield Strength	BS EN ISO 6892-1
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Yield Strength	IS 1608 (Part 1)
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal	Tensile Strength	IS 1608 (Part 1)
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Swaged Pole	Deflection Test	IS 2713 (Part 1 to 3): 1980 RA
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Swaged Pole	Drop Test	IS 2713 (Part 1 to 3): 1980 RA
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Swaged Pole	Permanent Set Test	IS 2713 (Part 1 to 3): 1980 RA
22	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Structures	Liquid Penetrant Examination (Visible Method)	ASME SECTION V
23	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Structures	Liquid Penetrant Examination (Visible Method)	AWS D1.1
24	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Structures	Magnetic Particle Examination (Visible)	ASME Section V
25	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Structures	Magnetic Particle Examination (Visible)	AWS D1.1