National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL TESTING LAB, MODERN COACH FACTORY, LALGANJ, RAE BAREILLY, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10830 **Page No** 1 of 5

Validity 16/07/2022 to 15/07/2024 **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 & its alloy	Magnesium	ASTM E-1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E-1251
3	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Chromium	ASTM E-1251
4	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Copper	ASTM E-1251
5	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Iron	ASTM E-1251
6	CHEMICAL- METALS & ALLOYS	Aluminum and its alloy	Manganese	ASTM E-1251
7	CHEMICAL- METALS & ALLOYS	Aluminum and its alloy	Nickel	ASTM E-1251
8	CHEMICAL- METALS & ALLOYS	Aluminum and its alloy	Silicon	ASTM E-1251
9	CHEMICAL- METALS & ALLOYS	Aluminum and its alloy	Zinc	ASTM E-1251
10	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorus	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Copper Alloy	Aluminium	BS EN 15079
16	CHEMICAL- METALS & ALLOYS	Copper Alloy	Lead	BS EN 15079
17	CHEMICAL- METALS & ALLOYS	Copper Alloy	Manganese	BS EN 15079
18	CHEMICAL- METALS & ALLOYS	Copper Alloy	Phosphorus	BS EN 15079

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19	CHEMICAL- METALS & ALLOYS	Copper Alloy	Zinc	BS EN 15079
20	CHEMICAL- METALS & ALLOYS	Copper Alloys	Cobalt	BS EN 15079
21	CHEMICAL- METALS & ALLOYS	Copper Alloys	Iron	BS EN 15079
22	CHEMICAL- METALS & ALLOYS	Copper Alloys	Nickel	BS EN 15079
23	CHEMICAL- METALS & ALLOYS	Copper Alloys	Sulphur	BS EN 15079
24	CHEMICAL- METALS & ALLOYS	Copper Alloys	Tin	BS EN 15079
25	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminum	ASTM E 415
26	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E 415
30	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E 415
32	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	ASTM E 415
34	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	ASTM E 415
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 1086

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38	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1476-04
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1476-04
42	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
43	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1476-04
44	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E 1476-04
45	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
46	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
47	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1476-04
48	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
50	CHEMICAL- PAINTS & SURFACE COATING	Coating	Cross Cut tape test	ASTM-D 3359 Cl.11 (method B)
51	CHEMICAL- PAINTS & SURFACE COATING	Coatings	Pull Off Strength	ASTM D 4541
52	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Coverage capacity (Theoretical Spreading Rate)	RDSO Specification (M&C/PCN/100/2018) APPENDIX 1
53	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Dry Film Thickness Test	IS 101 (PART 3 SEC 2) Cl 6 : 1989 RA
54	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Drying Time	IS 101(PART 3 SEC 1)
55	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	DURABILITY (Resistance To Humidity under Condition of condensation)	IS 101 (PART 6, SEC 1)

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56	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Fineness To Grind	IS 101 (PART 3, SEC 5)
57	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Flash Point	IS101, Part-1, Section-6
58	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Flexilibility & Adhesion	IS-101, Part-5, Section-2
59	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Fluorescent UV / Condensation (Quv Test)	ASTM G-154
60	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Gloss Value at 60 degree	IS 101(PART 4,SEC 4)
61	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Mass per 10 Liter	IS 101 (PART 1 Sec 7)
62	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Scratch Hardness Test	IS 101 (PART 5 SEC 2)
63	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Viscosity (By Flow cup)	IS 101(PART 1 SEC 5)
64	CHEMICAL- PAINTS & SURFACE COATING	Paint & Primer	Volume Solid	RDSO specification (M&C/PCN/100/2018) "APPENDIX1
65	CHEMICAL- PLASTIC & RESINS	Fiber-reinforced Plastic	Water Absorption	ASTM D 570
66	CHEMICAL- PLASTIC & RESINS	Fibre-reinforced Plastic	Fibre Content	IS 13411 Annex A
67	CHEMICAL- PLASTIC & RESINS	Fibre-Reinforced Plastic	Specific Gravity	ASTM-D-792
68	CHEMICAL- PLASTIC & RESINS	FRP	Smoke density	UIC-564 Appendix-15
69	CHEMICAL- PLASTIC & RESINS	Nylon, acetal	Melting Point	IRS S- 40-75
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness {Load 10 HV & 30HV}	IS 1501: Part 1
71	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & Products	Tensile Strength	IS 1608 Part 1
72	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & Products, FRP	Dimensional Analysis Using Bevel Protractor	Mcf/Rbl-Ri/Bv180, Issue No 1

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73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & Products, FRP	Dimensional Analysis Using Measuring Tape	MCF/RBL-RI/MT500, Issue No 1
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & Products, FRP	Dimensional Analysis Using Radius Gauge	MCF/RBL-RI/RG700, Issue No 1
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & Products, FRP	Dimensional Analysis Using Vernier Caliper	MCF/RBL-RI/VC300, Issue No 1
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials Alloys & Products, FRP	Dimensional Analysis Using Vernier	MCF/RBL-RI/VC150, Issue No 1
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	IS:1608 Part-1
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness (10 mm indenting steel Ball & 3000Kg load)	Is 1500: Part1
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	IS:1608 part 1
80	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Designation of Micro structure of Graphite in Cast Iron	IS 7754
81	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Natural And Synthetic Rubber	Hardness	ASTM D2240
82	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Natural and Synthetic Rubber	Elongation	IS 3400 Part -I, Type-I
83	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Natural and Synthetic Rubber	Tensile	IS 3400 Part-I, Type-I
84	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Adhesive	% Elongation	ASTM D 412
85	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Adhesive	Lap Shear Strength	ASTM D 102
86	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Adhesive	Tensile Test	ASTM D 412