National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	L&T CONSTRUCTION RESEARCH AND TESTING CENTRE, L&T CONSTRUCTION, TCTC GF, MOUNT POONAMALLEE ROAD, MANAPAKKAM, CHENNAI, TAMIL NADU, INDIA
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Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Bitumens & asphalts	Loss on heating	IS 1212
2	CHEMICAL- BUILDING MATERIAL	Bitumens & asphalts	Matter soluble in trichloro ethylene	IS 1216
3	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Ash content in concrete liquid admixture	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Concrete admixtures	Chlorides in concrete admixture	IS 6925
5	CHEMICAL- BUILDING MATERIAL	Concrete admixtures	Dry material content	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Concrete Admixtures	pH value of liquid admixture	IS 9103
7	CHEMICAL- BUILDING MATERIAL	Concrete admixtures	Relative density	IS 9103
8	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Acid Soluble & Water soluble chlorides	IS 14959 (Part 2)
9	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Total Sulphates	BS 1881 (Part 124)
10	CHEMICAL- SOIL AND ROCK	Clays & Soils	pH of soil	IS 2720(Part 26)
11	CHEMICAL- SOIL AND ROCK	Clays & Soils	Sulphates of soil	IS 3025 (Part 24)
12	CHEMICAL- WATER	Construction Water	Acidity (0.02N of NaOH required to neutralize 100 ml sample of water using phenophthalein indicator)	IS: 3025 (Part 22)
13	CHEMICAL- WATER	Construction Water	Alkalinity (0.02N of H_2SO_4 required to neutralize 100 ml sample of water using mixed indicator)	IS: 3025 (Part 23)
14	CHEMICAL- WATER	Construction Water	Chlorides as Cl	IS: 3025 (Part 32)
15	CHEMICAL- WATER	Construction Water	Inorganic solids (Non Volatile)	IS: 3025 (Part 18)
16	CHEMICAL- WATER	Construction Water	Organic solids (Volatile)	IS: 3025 (Part 18)
17	CHEMICAL- WATER	Construction Water	pH value	IS 3025(Part 11)
18	CHEMICAL- WATER	Construction Water	Sulphates as SO_3	IS: 3025 (Part 24)
19	CHEMICAL- WATER	Construction Water	Suspended matter	IS: 3025 (Part 17)

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20	CHEMICAL- WATER	Industrial Water	Alkalinity	IS 3025 (Part 23)
21	CHEMICAL- WATER	Industrial Water	Ammoniacal Nitrogen NH3-N	IS 3025 (Part 34)
22	CHEMICAL- WATER	Industrial Water	Biological Oxygen Demand @ 27°C for 3 days	IS 3025 (Part 44)
23	CHEMICAL- WATER	Industrial Water	COD	IS 3025 (Part 58)
24	CHEMICAL- WATER	Industrial Water	Colour	IS 3025 (Part 4)
25	CHEMICAL- WATER	Industrial Water	Conductivity	IS 3025 (Part 14)
26	CHEMICAL- WATER	Industrial Water	Dissolved Phosphate as P	IS 3025 (Part 31)
27	CHEMICAL- WATER	Industrial Water	Nitrate Nitrogen, NO3-N	IS 3025 (Part 34)
28	CHEMICAL- WATER	Industrial Water	Oil & Grease	IS 3025 (Part 39)
29	CHEMICAL- WATER	Industrial Water	pH	IS 3025 (Part 11)
30	CHEMICAL- WATER	Industrial Water	Total and reactive Silica	IS 3025 (Part 35)
31	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids	IS 3025 (Part 16)
32	CHEMICAL- WATER	Industrial Water	Total Kjehldahl Nitrogen	IS 3025 (Part 34)
33	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	IS 3025 (Part 17)
34	CHEMICAL- WATER	Industrial Water	Turbidity	IS 3025 (Part 10)
35	MECHANICAL- BUILDINGS MATERIALS	Anti-Stripping Agent	Coating Retention Test	IS 14982 Annex D
36	MECHANICAL- BUILDINGS MATERIALS	Anti-stripping Agent	Flash Point	IS 1209
37	MECHANICAL- BUILDINGS MATERIALS	Anti-Stripping Agent	Pour Point	IS 1448 (P:10/Sec2])
38	MECHANICAL- BUILDINGS MATERIALS	Anti-Stripping Agent	Retained Indirect Tensile Strength	IS 14982 Annex E
39	MECHANICAL- BUILDINGS MATERIALS	Anti-stripping agent	Specific Gravity	IS 1202
40	MECHANICAL- BUILDINGS MATERIALS	Anti-Stripping agent	Thermal Stability at 163 degree Celsius, 24 Hrs	IS 14982 Annex B
41	MECHANICAL- BUILDINGS MATERIALS	Anti-Stripping Agent	Wet Strength	IS 14982 Annex E
42	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
43	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Brookfield Rotational Viscosity	ASTM D4402

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44	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Elastic recovery	IRC SP 53 (Annex II)
45	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash point	IS 1209
46	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
48	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Rolling Thin Film and Thin Film Oven tests on Residue - Ductility at 25 °C	IS 1208
49	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Rolling Thin Film and Thin Film Oven tests on Residue - Elastic recovery of half thread in Ductilometer at 25 °C	IRC SP 53 (Annex II)
50	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Rolling Thin Film and Thin Film Oven tests on Residue - Increase in softening point	IS 1205
51	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Rolling Thin Film and Thin Film Oven tests on Residue - Reduction in penetration of residue @25 °C	IS 1203
52	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Rolling Thin Film and Thin Film Oven tests on Residue - Viscosity Ratio at 60 °C	IS 1206 (Part 2)
53	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Separation	IS 15462
54	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
55	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific gravity	IS 1202
56	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Asphalt content by Ignition method	ASTM D6307
57	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Bulk Specific Gravity and density of non-absorptive compacted asphalt mixtures	ASTM D 2726/2726M
58	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Effect of water on Bituminous-Coated Aggregate using boiling water	ASTM D3625/3625M

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59	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Indirect Tensile Strength	ASTM D6931
60	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Marshall Flow	ASTM D6927
61	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Marshall Stability	ASTM D 6927
62	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Maximum specific gravity	ASTM D 2041/2041M
63	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Polished Stone value	BS 812 (Part 114)
64	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Resilient Modulus of Bituminous Mixtures by Indirect Tension Test	ASTM D7369
65	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Resistance of compacted asphalt mixtures to moisture-induced damage by Tensile Strength Ratio	AASHTO T283
66	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Retained Stability	MoRT&H (V Revision)Annexure to Appendix 4, Page no 852
67	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Stripping Value	IS 6241
68	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixture	Thickness or Height of Compacted Asphalt Mixture Specimens	ASTM D 3549/3549M
69	MECHANICAL- BUILDINGS MATERIALS	Bituminous mixtures	Crack Tolerance Index	ASTM D 8225
70	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixtures	Semi Circular Bend test	ASTM D 8044
71	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS 3495 (Part 1)
72	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
73	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption	IS 3495 (Part 2)
74	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength of hydraulic cement other than masonry cement	IS 4031 (Part 6)
75	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)

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76	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine's Air Permeability	IS 4031 (Part 2)
77	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving	IS 4031 (Part 1)
78	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting Time	IS 4031 (Part 5)
79	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier's Method	IS 4031 (Part 3)
80	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard consistency	IS 4031 (Part 4)
81	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Abrasion value	IS 2386 (Part 4)
82	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Loose density	IS 2386 (Part 3)
83	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Rodded density	IS 2386 (Part 3)
84	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Combined Flakiness and Elongation Index	IS 2386 (Part 1)
85	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing value	IS 2386 (Part 4)
86	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation index	IS 2386 (Part 1)
87	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness index	IS 2386 (Part 1)
88	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact value	IS 2386 (Part 4)
89	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve analysis	IS 2386 (Part 1)
90	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (Part 5)
91	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific gravity	IS 2386 (Part 3)
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Ten percent fines value	IS 2386 (Part 4)
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water absorption	IS 2386 (Part 3)
94	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks	Compressive strength	IS 2185 (Part 1)

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95	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks	Density	IS 2185 (Part 1)
96	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks	Dimension	IS 2185 (Part 1)
97	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks	Water absorption	IS 2185 (Part 1)
98	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Coagulation of Emulsions at Low Temperature	IS 8887 (Annex C)
99	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Coating Ability and Water Resistance	IS 8887 (Annex F)
100	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Ductility of Residue left after Evaporation	IS 8887 (Annex J)
101	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Miscibility with water	IS 8887 (Annex H)
102	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Penetration of Residue left after Evaporation	IS 8887 (Annex J)
103	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Residue by Evaporation	IS 8887 (Annex J)
104	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Residue by sieving through 600 micron IS Sieve	IS 8887 (Annex B)
105	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Stability to mixing with cement	IS 8887 (Annex G)
106	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Storage Stability	IS 8887 (Annex D)
107	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Viscosity	IS 3117 (Annex A)
108	MECHANICAL- BUILDINGS MATERIALS	Emulsions	Particle charge of emulsion	IS 8887 (Annex E)
109	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Alkali Aggregate Reactivity	ASTM C1260
110	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Alkali aggregate reactivity	IS 2386 (Part 7)
111	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Loose Density	IS 2386 (Part 3)
112	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Rodded Density	IS 2386 (Part 3)
113	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Materials finer than 75 micron	IS 2386 (Part 1)

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114	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic impurities in sand	IS 2386 (Part 2)
115	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve analysis(0.075 mm to 4.75 mm)	IS 2386 (Part 1)
116	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness	IS 2386 (Part 5)
117	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific gravity	IS 2386 (Part 3)
118	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water absorption	IS 2386 (Part 3)
119	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Setting time	IS 1199 (Part 7)
120	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Water bleeding	IS 9103
121	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Workability by slump	IS 1199 (Part 2)
122	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Chloride Migration Coefficient Test	NT Build 492
123	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive strength of accelerated cured specimen	IS 9013
124	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Core	IS 516 (Part 4)
125	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive strength of cubical specimen	IS 516 (Part 1/Sec 1)
126	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive strength of cylindrical specimen	IS 516 (Part 1/Sec 1)
127	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Drying Shrinkage	IS 516 (Part 6)
128	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Electrical Indication of Concrete Ability to Resist Chloride Ion Penetration (RCPT)	ASTM C1202
129	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural strength of moulded flexure test specimen	IS 516 (Part 1/Sec 1)
130	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Modulus of Elasticity	ASTM C469/C469M
131	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Split Tensile Strength	IS 516 (Part 1/Sec 1)

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132	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Water permeability	IS 516 (Part 2/Sec 1)
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Rebar	Nominal mass	IS 1786
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD rebar	Percentage of elongation	IS 1608
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Rebar	Tensile stress	IS 1608
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Rebar	Yield stress	IS 1608
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splice	Percentage elongation	IS 16172
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splice	Static Tensile strength	IS 16172
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressing Strands	Breaking Load	IS 14268
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressing Strands	Percentage of elongation	IS 14268
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressing Strands	Relaxation Test	IS 14268
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressing Strands	Yield Load	IS 14268
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	0.2 % Proof Strength	IS 1608
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Percentage of Elongation	IS 1608
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	IS 1608

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146	MECHANICAL- SOIL AND ROCK	Rock	Density by Saturation and Buoyancy Techniques	IS 13030
147	MECHANICAL- SOIL AND ROCK	Rock	Indirect Tensile strength by Brazilian Test	IS 10082
148	MECHANICAL- SOIL AND ROCK	Rock	Point load strength index	IS 8764
149	MECHANICAL- SOIL AND ROCK	Rock	Porosity by Saturation and Buoyancy Techniques	IS 13030
150	MECHANICAL- SOIL AND ROCK	Rock	Rock triaxial - Angle of internal friction	IS 13047
151	MECHANICAL- SOIL AND ROCK	Rock	Rock triaxial - Cohesion	IS 13047
152	MECHANICAL- SOIL AND ROCK	Rock	Specific gravity	IS 2386 (Part 3)
153	MECHANICAL- SOIL AND ROCK	Rock	Unconfined compressive strength of rock	IS 9143
154	MECHANICAL- SOIL AND ROCK	Rock	Water absorption of rock	IS 2386 (Part 3)
155	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (Soaked)	IS 2720 (Part 16)
156	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (unsoaked)	IS 2720 (Part 16)
157	MECHANICAL- SOIL AND ROCK	Soil	Consolidation properties - Coefficient of compressibility	IS 2720 (Part 15)
158	MECHANICAL- SOIL AND ROCK	Soil	Consolidation properties - Initial Void ratio	IS 2720 (Part 15)
159	MECHANICAL- SOIL AND ROCK	Soil	Density index of cohesion less soils	IS 2720 (Part 14)
160	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Soil) - Angle of internal friction	IS 2720 (Part 13)
161	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Soil) - Cohesion	IS 2720 (Part 13)
162	MECHANICAL- SOIL AND ROCK	Soil	Free swell index	IS 2720 (Part 40)
163	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis (Hydrometer)	IS 2720 (Part 4)
164	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis (Wet sieve)	IS 2720 (Part 4)

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165	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction - Maximum Dry Density	IS 2720 (Part 8)
166	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction - Optimum Moisture Content	IS 2720 (Part 8)
167	MECHANICAL- SOIL AND ROCK	Soil	Light compaction - Maximum Dry Density	IS 2720 (Part 7)
168	MECHANICAL- SOIL AND ROCK	Soil	Light compaction - Optimum Moisture Content	IS 2720 (Part 7)
169	MECHANICAL- SOIL AND ROCK	Soil	Linear Shrinkage	IS 2720 (Part 20)
170	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 (Part 5)
171	MECHANICAL- SOIL AND ROCK	Soil	Permeability (Falling head)	IS 2720 (Part 17)
172	MECHANICAL- SOIL AND ROCK	Soil	Permeability using Triaxial cell	CRD-C 163
173	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 (Part 5)
174	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage limit	IS 2720 (Part 6)
175	MECHANICAL- SOIL AND ROCK	Soil	Soil Classification	IS 1498
176	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity	IS 2720 (Part 3)
177	MECHANICAL- SOIL AND ROCK	Soil	Swelling pressure	IS 2720 (Part 41)
178	MECHANICAL- SOIL AND ROCK	Soil	Triaxail UU (without pore pressure) - Angle of internal friction	IS 2720 (Part 11)
179	MECHANICAL- SOIL AND ROCK	Soil	Triaxail UU (without pore pressure) - Cohesion	IS 2720 (Part 11)
180	MECHANICAL- SOIL AND ROCK	Soil	Triaxial CU (with Pore Pressure) - Angle of internal friction	IS 2720 (Part 12)
181	MECHANICAL- SOIL AND ROCK	Soil	Triaxial CU (with Pore Pressure)- Cohesion	IS2720 (part 12)
182	MECHANICAL- SOIL AND ROCK	Soil	Unconfined compressive strength	IS 2720 (Part 10)

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183	MECHANICAL- SOIL AND ROCK	Soil	Vane shear test	IS 2720 (Part 30)
184	MECHANICAL- SOIL AND ROCK	Soil	Water content	IS 2720 (Part 2)
185	MECHANICAL- TEXTILE MATERIALS	Geo Synthetics	Elongation of Geogrids by Single or Multi-Rib Tensile method	ASTM D 6637
186	MECHANICAL- TEXTILE MATERIALS	Geo Synthetics	Elongation of Geotextile by Wide Width Strip method	ASTM D4595
187	MECHANICAL- TEXTILE MATERIALS	Geo synthetics	Grab Breaking Load of Geotextiles	ASTM D 4362/D 4362M
188	MECHANICAL- TEXTILE MATERIALS	Geo Synthetics	Index Puncture Resistance of Geotextile	ASTM D4833
189	MECHANICAL- TEXTILE MATERIALS	Geo synthetics	Mass per square metre of Geotextile	ASTM D 5261
190	MECHANICAL- TEXTILE MATERIALS	Geo Synthetics	Static Puncture Strength of Geotextile	ASTM D6241
191	MECHANICAL- TEXTILE MATERIALS	Geo Synthetics	Tensile Properties of Geogrids by Single and Multi-Rib Tensile method	ASTM D 6637
192	MECHANICAL- TEXTILE MATERIALS	Geo Synthetics	Tensile Properties of Geotextile by Wide Width Strip method	ASTM D4595
193	MECHANICAL- TEXTILE MATERIALS	Geo synthetics	Trapezoid Tearing Strength of Geotextiles	ASTM D 4533/ D 4533M
194	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Glue Shear strength	IS 1734 (Part 4)
195	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Static Bending Strength	IS 1734 (Part 11)
196	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Water Resistance (Glue Shear Strength)	IS 1734 (Part 6)
197	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	Moisture content	IS 1708 (Part 1)
198	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Cover Meter	BS 1881 (Part 204)
199	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer	IS 516 (Part5/ Sec 4)

SCOPE OF ACCREDITATION

Laboratory Name :	L&T CONSTRUCTION RESEARCH AND TESTING CENTRE, L&T CONSTRUCTION, TCTC GF, MOUNT POONAMALLEE ROAD, MANAPAKKAM, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5976	**Page No**	12 of 13
Validity	11/07/2022 to 10/07/2024	**Last Amended on**	20/12/2022

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
200	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic pulse velocity	IS 516 (Part 5/ Sec 1):

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	L&T CONSTRUCTION RESEARCH AND TESTING CENTRE, L&T CONSTRUCTION, TCTC GF, MOUNT POONAMALLEE ROAD, MANAPAKKAM, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5976	**Page No**	13 of 13
Validity	11/07/2022 to 10/07/2024	**Last Amended on**	20/12/2022

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
Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete structures	Corrosion Potential of Uncoated Reinforcing Steel in Concrete	ASTM C 876
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic pulse velocity	IS 516 (Part 5/ Sec 1):