



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TIERRA INFRATECH PRIVATE LIMITED, 10, ANKUR SOCIETY, BAMROLI ROAD, GIDC GODHRA,
GODHRA, PANCHMAHAL, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-17702

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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 Testing				
1	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Aluminium	IS 8811
2	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Boron	IS 8811
3	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Carbon	IS 8811
4	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Carbon Equivalent	IS 1786 - by Calculation
5	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Carbon Equivalent	IS 2062 - by Calculation
6	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Chromium	IS 8811
7	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Cobalt	IS 8811
8	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Copper	IS 8811
9	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Manganese	IS 8811
10	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Molybdenum	IS 8811
11	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Nickel	IS 8811
12	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Phosphorus	IS 8811
13	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Silicon	IS 8811
14	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Sulfur	IS 8811
15	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Sulfur + Phosphorus	IS 1786 - by Calculation
16	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Tin	IS 8811



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17	CHEMICAL- METALS & ALLOYS	Low-Alloy Steel	Vanadium	IS 8811
18	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
19	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
21	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
22	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
23	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
24	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
25	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
26	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	IS 9879
27	CHEMICAL- SOIL AND ROCK	Soil	Acid Soluble Chloride	BS 1377-3 (Clause No. 7.8)
28	CHEMICAL- SOIL AND ROCK	Soil	pH at 25 °C	IS 2720 (Part 26, Clause No. 2)
29	CHEMICAL- SOIL AND ROCK	Soil	Sulphate as SO ₃	IS 2720 (Part 27, Clause No. 2)
30	CHEMICAL- SOIL AND ROCK	Soil	Sulphate as SO ₄	IS 2720 (Part 27, Clause No. 3)
31	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Solids	IS 2720 (Part 21, Clause No. 2)
32	CHEMICAL- WATER	Drinking Water	Bicarbonate as CaCO ₃	IS 3025 (Part 51, Clause No. 8)



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33	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40, Clause No. 5)
34	CHEMICAL- WATER	Drinking Water	Carbonate as CaCO ₃	IS 3025 (Part 51, Clause No. 8)
35	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32, Clause No. 6)
36	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	IS 3025 (Part 26, Clause No. 5)
37	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 (Part 46, Clause No. 5.5.4)
38	CHEMICAL- WATER	Drinking Water	pH at 25 °C	IS 3025 (Part 11)
39	CHEMICAL- WATER	Drinking Water	Phenolphthalein Alkalinity as CaCO ₃	IS 3025 (Part 23)
40	CHEMICAL- WATER	Drinking Water	Sulphate as SO ₃	IS 3025 (Part 24, Section 1, Clause No. 4.0)
41	CHEMICAL- WATER	Drinking Water	Sulphate as SO ₄	IS 3025 (Part 24, Section 1, Clause No. 4.1)
42	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO ₃	IS 3025 (Part 23)
43	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
44	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO ₃	IS 3025 (Part 21, Clause No. 5)
45	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
46	CHEMICAL- WATER	Ground Water	Bicarbonate as CaCO ₃	IS 3025 (Part 51, Clause No. 8)
47	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS 3025 (Part 40, Clause No. 5)
48	CHEMICAL- WATER	Ground Water	Carbonate as CaCO ₃	IS 3025 (Part 51, Clause No. 8)
49	CHEMICAL- WATER	Ground Water	Chloride as Cl	IS 3025 (Part 32, Clause No. 6)
50	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	IS 3025 (Part 26, Clause No. 5)



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51	CHEMICAL- WATER	Ground Water	Magnesium as Mg	IS 3025 (Part 46, Clause No. 5.5.4)
52	CHEMICAL- WATER	Ground Water	pH at 25 °C	IS 3025 (Part 11)
53	CHEMICAL- WATER	Ground Water	Phenolphthalein Alkalinity as CaCO ₃	IS 3025 (Part 23)
54	CHEMICAL- WATER	Ground Water	Sulphate as SO ₃	IS 3025 (Part 24, Section 1, Clause No. 4.0)
55	CHEMICAL- WATER	Ground Water	Sulphate as SO ₄	IS 3025 (Part 24, Section 1, Clause No. 4.1)
56	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO ₃	IS 3025 (Part 23)
57	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
58	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO ₃	IS 3025 (Part 21, Clause No. 5)
59	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
60	CHEMICAL- WATER	Surface Water	Bicarbonate as CaCO ₃	IS 3025 (Part 51, Clause No. 8)
61	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part 40, Clause No. 5)
62	CHEMICAL- WATER	Surface Water	Carbonate as CaCO ₃	IS 3025 (Part 51, Clause No. 8)
63	CHEMICAL- WATER	Surface Water	Chloride as Cl	IS 3025 (Part 32, Clause No. 6)
64	CHEMICAL- WATER	Surface Water	Free Residual Chlorine	IS 3025 (Part 26, Clause No. 5)
65	CHEMICAL- WATER	Surface Water	Magnesium as Mg	IS 3025 (Part 46, Clause No. 5.5.4)
66	CHEMICAL- WATER	Surface Water	pH at 25 °C	IS 3025 (Part 11)
67	CHEMICAL- WATER	Surface Water	Phenolphthalein Alkalinity as CaCO ₃	IS 3025 (Part 23)
68	CHEMICAL- WATER	Surface Water	Sulphate as SO ₃	IS 3025 (Part 24, Section 1, Clause No. 4.0)



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69	CHEMICAL- WATER	Surface Water	Sulphate as SO ₄	IS 3025 (Part 24, Section 1, Clause No. 4.1)
70	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO ₃	IS 3025 (Part 23)
71	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 (Part 16)
72	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO ₃	IS 3025 (Part 21, Clause No. 5)
73	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)
74	CHEMICAL- WATER	Water for Construction Purpose	Chloride as Cl	IS 3025 (Part 32, Clause No. 6)
75	CHEMICAL- WATER	Water for Construction Purpose	Inorganic Solids	IS 3025 (Part 18)
76	CHEMICAL- WATER	Water for Construction Purpose	Organic Solids	IS 3025 (Part 18)
77	CHEMICAL- WATER	Water for Construction Purpose	pH	IS 3025 (Part 11)
78	CHEMICAL- WATER	Water for Construction Purpose	Sulphate as SO ₃	IS 3025 (Part 24, Section 1, Clause No. 4.0)
79	CHEMICAL- WATER	Water for Construction Purpose	Sulphate as SO ₄	IS 3025 (Part 24, Section 1, Clause No. 4.1)
80	CHEMICAL- WATER	Water for Construction Purpose	Suspended Solids	IS 3025 (Part 17)
81	CHEMICAL- WATER	Water for Construction Purpose	Volume of 0.02N H ₂ SO ₄ required to neutralize 100 ml sample of water using Mix Indicator (Alkalinity)	IS 3025 (Part 23)
82	CHEMICAL- WATER	Water for Construction Purpose	Volume of 0.02N NaOH required to neutralize 100 ml Sample of Water using Phenolphthalein indicator (Acidity)	IS 3025 (Part 22)
83	MECHANICAL- BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete	Flexural Strength	IS 516 (Part 1, Section 1)



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84	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	AAC Blocks	Compressive Strength	IS 6441 (Part 5)
85	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	AAC Blocks	Density	IS 6441 (Part 1)
86	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	AAC Blocks	Dimensions - Height	IS 2185 (Part 3)
87	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	AAC Blocks	Dimensions - Length	IS 2185 (Part 3)
88	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	AAC Blocks	Dimensions - Width	IS 2185 (Part 3)
89	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	AAC Blocks	Moisture Content	IS 6441 (Part 1)
90	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Ballast	Abrasion Value	IS 2386 (Part 4) - by Los Angeles



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91	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Ballast	Impact Value	IS 2386 (Part 4)
92	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Ballast	Water Absorption	IS 2386 (Part 3)
93	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Absolute Viscosity at 60°C	IS 1206 (Part 2)
94	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Ductility	IS 1208 (Part 1)
95	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Fire Point	IS 1209
96	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Flash Point	IS 1209
97	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Kinematic Viscosity at 135°C	IS 1206 (Part 3)



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98	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Loss on Heating	IS 1212
99	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Penetration	IS 1203
100	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Softening Point	IS 1205
101	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Solubility in Trichloroethylene	IS 1216
102	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Specific Gravity	IS 1202
103	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bituminous Mix (DBM,BM,SDBC,BC)	Bitumen Content	IRC SP 112
104	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bituminous Mix (DBM,BM,SDBC,BC)	Density	ASTM D2726



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105	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bituminous Mix (DBM,BM,SDBC,BC)	Marshal Flow	ASTM D6927
106	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bituminous Mix (DBM,BM,SDBC,BC)	Marshal Stability	ASTM D6927
107	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bituminous Mix (DBM,BM,SDBC,BC)	Theoretical Maximum Specific Gravity	ASTM D2041
108	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly Ash Building Bricks	Compressive Strength	IS 3495 (Part 1)
109	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimensions - Height	IS 13757
110	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimensions - Length	IS 13757
111	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimensions - Width	IS 13757



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112	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly Ash Building Bricks	Efflorescence	IS 3495 (Part 3)
113	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly Ash Building Bricks	Water Absorption	IS 3495 (Part 2)
114	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
115	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
116	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
117	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (OPC/PPC)	Fineness	IS 4031 (Part 2) - by Blaine Air Permeability
118	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)



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119	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (OPC/PPC)	Soundness	IS 4031 (Part 3) - by Le-Chatelier Method
120	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4)
121	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
122	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4) - by Los Angeles
123	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
124	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
125	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)



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126	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
127	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Loose Density	IS 2386 (Part 3)
128	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Rodded Density	IS 2386 (Part 3)
129	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size: 90.0 mm to 4.75 mm)	IS 2386 (Part 1)
130	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Soundness (MgSO ₄)	IS 2386 (Part 5)
131	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Soundness (Na ₂ SO ₄)	IS 2386 (Part 5)
132	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)



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133	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
134	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Building Bricks	Compressive Strength	IS 3495 (Part 1)
135	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Building Bricks	Dimensions - Height	IS 1077
136	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Building Bricks	Dimensions - Length	IS 1077
137	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Building Bricks	Dimensions - Width	IS 1077
138	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Building Bricks	Efflorescence	IS 3495 (Part 3)
139	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Building Bricks	Water Absorption	IS 3495 (Part 2)



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140	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Loose Density	IS 2386 (Part 3)
141	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Material Finer Than 75 Micron	IS 2386 (Part 1)
142	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Rodded Density	IS 2386 (Part 3)
143	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Sieve analysis (Sieve Size: 0.075, 0.150, 0.300, 0.600, 1.18, 2.36, 4.75 & 10 mm)	IS 2386 (Part 1)
144	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Soundness (MgSO ₄)	IS 2386 (Part 5)
145	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Soundness (Na ₂ SO ₄)	IS 2386 (Part 5)
146	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)



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147	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
148	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
149	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete	Compressive Strength	IS 9013 (by Accelerated Curing)
150	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete (Core)	Compressive Strength	IS 516 (Part 4)
151	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete (Cube)	Compressive Strength	IS 516 (Part 1, Section 1)
152	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Blocks	Compressive Strength	IS 15658
153	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Blocks	Dimensions - Length	IS 15658



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154	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Blocks	Dimensions - Thickness	IS 15658
155	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Blocks	Dimensions - Width	IS 15658
156	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Blocks	Water Absorption	IS 15658
157	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Reinforcement Steel	% Elongation	IS 1608 (Part 1)
158	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Reinforcement Steel	Bend Test	IS 1599
159	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Reinforcement Steel	Nominal Mass	IS 1786
160	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Reinforcement Steel	Re-Bend Test	IS 1786



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161	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Reinforcement Steel	Reduction in Area	IS 1608 (Part 1)
162	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Reinforcement Steel	Tensile Strength	IS 1608 (Part 1)
163	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Reinforcement Steel	Yield Strength	IS 1608 (Part 1)
164	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Road Aggregate	Stripping Value	IS 6241
165	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Structural Steel	% Elongation	IS 1608 (Part 1)
166	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Structural Steel	Reduction in Area	IS 1608 (Part 1)
167	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Structural Steel	Ultimate Tensile Strength	IS 1608 (Part 1)



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168	MECHANICAL- BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Structural Steel	Yield Strength	IS 1608 (Part 1)
169	MECHANICAL- SOIL AND ROCKS	Fine Grained Soil	Specific Gravity	IS 2720 (Part 3, Section 1)
170	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Apparent Porosity	IS 1124
171	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Apparent Specific Gravity	IS 1124
172	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	True Porosity	IS 1124
173	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	True Specific Gravity	IS 1122
174	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Water Absorption	IS 1124
175	MECHANICAL- SOIL AND ROCKS	Rock	Density	IS 13030
176	MECHANICAL- SOIL AND ROCKS	Rock	Porosity	IS 13030
177	MECHANICAL- SOIL AND ROCKS	Rock	Unconfined Compressive Strength	IS 9143
178	MECHANICAL- SOIL AND ROCKS	Rock	Water Content	IS 13030
179	MECHANICAL- SOIL AND ROCKS	Soil	Cohesion Value - Tri-axial Shear Test (UU)	IS 2720 (Part 11)
180	MECHANICAL- SOIL AND ROCKS	Soil	Angle of Internal Friction - Direct Shear Test	IS 2720 (Part 13)
181	MECHANICAL- SOIL AND ROCKS	Soil	Angle of Internal Friction - Tri-axial Shear Test (UU)	IS 2720 (Part 11)
182	MECHANICAL- SOIL AND ROCKS	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)



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183	MECHANICAL- SOIL AND ROCKS	Soil	Cohesion Value - Direct Shear Test	IS 2720 (Part 13)
184	MECHANICAL- SOIL AND ROCKS	Soil	Consolidation (Cc)	IS 2720 (Part 15)
185	MECHANICAL- SOIL AND ROCKS	Soil	Free Swell Index	IS 2720 (Part 40)
186	MECHANICAL- SOIL AND ROCKS	Soil	Grain Size Analysis (Sieve Size: 0.075 mm)	IS 2720 (Part 4) - by Hydrometer
187	MECHANICAL- SOIL AND ROCKS	Soil	Grain Size Analysis (Sieve Size: 4.75 mm to 0.075 mm)	IS 2720 (Part 4)
188	MECHANICAL- SOIL AND ROCKS	Soil	Liquid Limit	IS 2720 (Part 5)
189	MECHANICAL- SOIL AND ROCKS	Soil	MDD (Heavy Compaction)	IS 2720 (Part 8)
190	MECHANICAL- SOIL AND ROCKS	Soil	MDD (Light Compaction)	IS 2720 (Part 7)
191	MECHANICAL- SOIL AND ROCKS	Soil	OMC (Heavy Compaction)	IS 2720 (Part 8)
192	MECHANICAL- SOIL AND ROCKS	Soil	OMC (Light Compaction)	IS 2720 (Part 7)
193	MECHANICAL- SOIL AND ROCKS	Soil	Plastic Limit	IS 2720 (Part 5)
194	MECHANICAL- SOIL AND ROCKS	Soil	Shrinkage Limit	IS 2720 (Part 6)
195	MECHANICAL- SOIL AND ROCKS	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
196	MECHANICAL- SOIL AND ROCKS	Soil	Water Content	IS 2720 (Part 2) - by Oven Dry Method



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Site Testing				
1	MECHANICAL- SOIL AND ROCKS	Soil	Cyclic Plate Load Test	IS 5249
2	MECHANICAL- SOIL AND ROCKS	Soil	Field CBR Test	IS 2720 (Part 31)
3	MECHANICAL- SOIL AND ROCKS	Soil	Field Dry Density	IS 2720 (Part 28) - by Sand Replacement Method
4	MECHANICAL- SOIL AND ROCKS	Soil	Field Dry Density	IS 2720 (Part 29) - by Core Cutter Method
5	MECHANICAL- SOIL AND ROCKS	Soil	K Value-Modulus of Subgrade Reaction	IS 9214
6	MECHANICAL- SOIL AND ROCKS	Soil	Lateral Pile Load Test	IS 2911 (Part 4)
7	MECHANICAL- SOIL AND ROCKS	Soil	Plate Load Test	IS 1888
8	MECHANICAL- SOIL AND ROCKS	Soil	Pull Out Pile Load Test	IS 2911 (Part 4)
9	MECHANICAL- SOIL AND ROCKS	Soil	Standard Penetration test	IS 2131
10	MECHANICAL- SOIL AND ROCKS	Soil	Strain Modulus EV2	DIN 18134
11	MECHANICAL- SOIL AND ROCKS	Soil	Vertical Cyclic Pile Load Test	IS 2911 (Part 4)
12	MECHANICAL- SOIL AND ROCKS	Soil	Vertical Static Pile Load Test	IS 2911 (Part 4)
13	MECHANICAL- SOIL AND ROCKS	Soil	Water Content	IS 2720 (Part 2) - by Rapid Moisture Meter



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14	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Pile	High Strain Pile Dynamic Test	ASTM D4945
15	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Pile	Low Strain Pile Integrity Test	IS 14893
16	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Pile	Ultrasonic Crosshole Test	ASTM D6760
17	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Carbonation Depth	IS 516 (Part 5, Section 3)
18	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell Potential Test	IS 516 (Part 5, Section 2)
19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer Test	IS 516 (Part 5, Section 4)
20	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 5, Section 1)



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21	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Superstructure of Bridges	% Recovery Measurement (Bridge Load Test)	IRC SP 51 (by Dial Gauge Method)
22	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Superstructure of Bridges	% Recovery Measurement (Bridge Load Test)	IRC SP 51 (by Total Station Method)
23	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Superstructure of Bridges	Deflection Measurement (Bridge Load Test)	IRC SP 51 (by Dial Gauge Method)
24	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Superstructure of Bridges	Deflection Measurement (Bridge Load Test)	IRC SP 51 (by Total Station Method)