National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CIVIL TECH LABORATORY, KHASRA NO. 48, VILLAGE BELDA SALHAPUR, ROORKEE, HARIDWAR, UTTARAKHAND, INDIA

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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 Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension - Height	IS 13757
2	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension - Width	IS 13757
3	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Bleeding	IS 9103
4	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Compressive Strength	IS 516 (Part 1/Section 1)
5	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Loss of Workability	IS 9103
6	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Setting Time	IS 1199 (Part 7)
7	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Slump	IS 9103
8	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Block Density	IS 6441 (Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Compressive Strength	IS 6441 (Part 5)
10	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Dimension - Hight	IS 2185 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Dimension - Length	IS 2185 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Dimension - Width	IS 2185 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Absolute Viscosity	IS 1206 (Part 2)
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Ductility	IS 1208
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Fire Point	IS 1448 (Part 69)
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Flash Point	IS 1448 (Part 69)
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Kinematic Viscosity	IS 1206 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Loss on Heating	IS 1212

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19	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Penetration	IS 1203
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Softening Point	IS 1205
21	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Solubility in Trichloroethylene	IS 1201 to 1220
22	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Specific Gravity	IS 1202
23	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials, Modified Bitumen PMB, CRMB, NRMB	Viscosity Ratio (RTFOT Residue)	IS 1206 (Part 2)
24	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coagulation of Emulsion at Low Temperature	IS 8887
25	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability and Water Resistance	IS 8887
26	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Ductility	IS 1201 to 1220
27	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility with Water	IS 8887
28	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Penetration	IS 1203
29	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Evaporation	IS 8887
30	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 µm IS Sieve	IS 8887
31	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Solubility in Trichloroethylene	IS 1201 to 1220
32	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to Mixing With Cement	IS 8887
33	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability After 24 Hours	IS 8887
34	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by Saybolt Furol Viscometer	IS 3117
35	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material (BM/DBM/BC/SDBC/PC)	Bitumen Content	ASTM D2172
36	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material (BM/DBM/BC/SDBC/PC)	Density	ASTM D1188
37	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material (BM/DBM/BC/SDBC/PC)	Density	ASTM D2726

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38	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material (BM/DBM/BC/SDBC/PC)	Flow Value	ASTM D 6927
39	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material (BM/DBM/BC/SDBC/PC)	Gradation (Sieving)	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material (BM/DBM/BC/SDBC/PC)	Marshal Stability	ASTM D6927
41	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material (BM/DBM/BC/SDBC/PC)	Theoretical Maximin Specific Gravity	ASTM D2041
42	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks	Dimension - Height	IS 1077
43	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks	Dimension - Length	IS 1077
44	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks	Dimension - Width	IS 1077
45	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks, Fly Ash Bricks & Fly Ash Lime Bricks, Sewer Bricks	Compressive Strength	IS 3495 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks, Fly Ash Bricks & Fly Ash Lime Bricks, Sewer Bricks	Efflorescence	IS 3495 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks, Fly Ash Bricks & Fly Ash Lime Bricks, Sewer Bricks	Water Absorption	IS 3495 (Part 2)
48	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength (168 ± 2 Hours)	IS 4031 (Part 6)
49	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength (672 ± 4 Hours)	IS 4031 (Part 6)
50	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength (72± 1 Hours)	IS 4031 (Part 6)
51	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
52	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
53	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness By Blaine Air Permeability	IS 4031 (Part 2)
54	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting Time Final	IS 4031 (Part 5)
55	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting Time Initial	IS 4031 (Part 5)
56	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness By Autoclave Method	IS 4031 (Part 3)

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57	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness By Le-Chatelier Method	IS 4031 (Part 3)
58	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension - Length	IS 1237
59	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension - Thickness	IS 1237
60	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension - Width	IS 1237
61	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Flatness of the Tiles Surface	IS 1237
62	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Perpendicularity	IS 1237
63	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Straightness	IS 1237
64	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Thickness of Wearing Layer	IS 1237
65	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS 1237
66	MECHANICAL- BUILDINGS MATERIALS	Ceramic Products Glazed Tile, Unglazed Tile & Vitrified Tile	Bulk Density	IS 13630 (Part 2)
67	MECHANICAL- BUILDINGS MATERIALS	Ceramic Products Glazed Tile, Unglazed Tile & Vitrified Tile	Dimension (Length, Width & Thickness)	IS 13630 (Part 1)
68	MECHANICAL- BUILDINGS MATERIALS	Ceramic Products Glazed Tile, Unglazed Tile & Vitrified Tile	Resistance to Acid and Alkalis	IS 13630 (Part 8)
69	MECHANICAL- BUILDINGS MATERIALS	Ceramic Products Glazed Tile, Unglazed Tile & Vitrified Tile	Resistance to Household Chemical and Swimming Pool Water	IS 13630 (Part 8)
70	MECHANICAL- BUILDINGS MATERIALS	Ceramic Products Glazed Tile, Unglazed Tile & Vitrified Tile	Resistance to Staining	IS 13630 (Part 8)
71	MECHANICAL- BUILDINGS MATERIALS	Ceramic Products Glazed Tile, Unglazed Tile & Vitrified Tile	Resistance to Thermal Shock	IS 13630 (Part 5)
72	MECHANICAL- BUILDINGS MATERIALS	Ceramic Products Glazed Tile, Unglazed Tile & Vitrified Tile	Scratch Hardness	IS 13630 (Part 13)
73	MECHANICAL- BUILDINGS MATERIALS	Ceramic Products Glazed Tile, Unglazed Tile & Vitrified Tile	Water Absorption	IS 13630 (Part 2)
74	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Dimension Width	IS 13801

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75	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension - Length	IS 13801
76	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension - Thickness	IS 13801
77	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Flatness of the Tiles Surface	IS 13801
78	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Perpendicularity	IS 13801
79	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Straightness	IS 13801
80	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Thickness of Wearing Layer	IS 13801
81	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Water Absorption	IS 13801
82	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fine Value	IS 2386 (Part 4)
83	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
84	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
85	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Materials (Clay & Lumps)	IS 2386 (Part 2)
86	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Materials (Material Finer than 75 microns)	IS 2386 (Part 1)
87	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
88	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
89	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
90	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Organic Impurities	IS 2386 (Part 2)
91	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (2.36 mm to 125 mm)	IS 2386 (Part 1)
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by Sodium/Magnesium Sulphate	IS 2386 (Part 5)
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)

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94	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Surface Moisture	CPWD Specification (Volume 1/Chapter 4/Appendix B/Clause 4.1.1.5)
95	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Surface Moisture	IS 2386 (Part 3)
96	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
97	MECHANICAL- BUILDINGS MATERIALS	Compacted Bitumen Paving Mix (BM/DBM/BC/SDBC/PC)	Thickness	ASTM D3549
98	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Blocks)	Compressive Strength	IS 15658
99	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Blocks)	Visual Inspection	IS 15658
100	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Blocks)	Water Absorption	IS 15658
101	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
102	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1/Section 1)
103	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
104	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Materials Clay & Lumps	IS 2386 (Part 2)
105	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 µm	IS 2386 (Part 1)
106	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS 2386 (Part 2)
107	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (10 mm to 150 µm)	IS 2386 (Part 1)
108	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt Content	CPWD Specification (Volume 1/Chapter 3/Appendix C/Clause 3.1.3.2)
109	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness by Sodium/Magnesium Sulphate	IS 2386 (Part 5)
110	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
111	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Surface Moisture	CPWD Specification (Volume 1/Chapter 4/Appendix B/Clause 4.1.1.5)

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112	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Surface Moisture	IS 2386 (Part 3)
113	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
114	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness By Blaine Air Permeability	IS 1727
115	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Moisture Content	IS 3812 (Part 1/Annex D)
116	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Residue Retained on 45 µm (Wet Sieving)	IS 1727
117	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness By Autoclave	IS 1727
118	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
119	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension - Length	IS 13757
120	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Lime Brick	Dimension - Length	IS 12894
121	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Lime Bricks	Dimension - Height	IS 12894
122	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Lime Bricks	Dimension - Width	IS 12894
123	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Bleeding	IS 9103
124	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Density	IS 1199 (Part 3)
125	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Loss of Workability	IS 9103
126	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Setting Time	IS 1199 (Part 7)
127	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199 (Part 2)
128	MECHANICAL- BUILDINGS MATERIALS	Glass Beads	Gradation	BS 6088
129	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Block Density	IS 2185 (Part 1)
130	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1)

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131	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension - Height	IS 2185 (Part 1)
132	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension - Length	IS 2185 (Part 1)
133	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension - Width	IS 2185 (Part 1)
134	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (Part 1)
135	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Light Weight Concrete Blocks	Block Density	IS 2185 (Part 2)
136	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Light Weight Concrete Blocks	Compressive Strength	IS 2185 (Part 2)
137	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Light Weight Concrete Blocks	Dimension - Height	IS 2185 (Part 2)
138	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Light Weight Concrete Blocks	Dimension - Length	IS 2185 (Part 2)
139	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Light Weight Concrete Blocks	Dimension - Width	IS 2185 (Part 2)
140	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Light Weight Concrete Blocks	Water Absorption	IS 2185 (Part 2)
141	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Material Retained on 45 µm IS Sieve	IS 1727
142	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Moisture Content	IS 15388
143	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs, Channels, Edging, Quadrants and Other Associated Fitting	Compressive Strength	IS 516 (Part 4)
144	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs, Channels, Edging, Quadrants and Other Associated Fitting	Dimension	IS 5758
145	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs, Channels, Edging, Quadrants and Other Associated Fitting	Water Absorption	IS 5758
146	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension - Height	IS 4885
147	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension - Length	IS 4885
148	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension - Width	IS 4885
149	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Dimension (Length, Width, Thickness)	IS 4457

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150	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Resistance to Acid and Alkalis	IS 4457
151	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Resistance to Concentrated Nitric Acid and Sulphuric Acid	IS 4457
152	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Resistance to Household Chemical and Swimming Pool Water	IS 4457
153	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Water Absorption	IS 4457
154	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness	IS 6186
155	MECHANICAL- SOIL AND ROCK	Bentonite	Free Swell Index	IS 2720 (Part 40)
156	MECHANICAL- SOIL AND ROCK	Bentonite	Gel Formation Index	IS 6186
157	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (Part 5)
158	MECHANICAL- SOIL AND ROCK	Bentonite	Marsh Viscosity	ASTM D6910
159	MECHANICAL- SOIL AND ROCK	Bentonite	Matter Soluble in Water	IS 6186
160	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
161	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
162	MECHANICAL- SOIL AND ROCK	Granular Subbase (GSB)	California Bearing Ratio (CBR)	IS 2720 (Part 16)
163	MECHANICAL- SOIL AND ROCK	Granular Subbase (GSB)	Plastic Limit	IS 2720 (Part 5)
164	MECHANICAL- SOIL AND ROCK	Granular Subbase (GSB), Water Bound Macadam (WBM), Wet Mix Macadam (WMM)	Heavy Compaction (MDD)	IS 2720 (Part 8)
165	MECHANICAL- SOIL AND ROCK	Granular Subbase (GSB), Water Bound Macadam (WBM), Wet Mix Macadam (WMM)	Heavy Compaction (OMC)	IS 2720 (Part 8)
166	MECHANICAL- SOIL AND ROCK	Granular Subbase (GSB), Water Bound Macadam (WBM), Wet Mix Macadam (WMM)	Liquid Limit	IS 2720 (Part 5)
167	MECHANICAL- SOIL AND ROCK	Granular Subbase (GSB), Water Bound Macadam (WBM), Wet Mix Macadam (WMM)	Sieve Analysis (45 µm to 125 mm)	IS 2386 (Part 1)

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168	MECHANICAL- SOIL AND ROCK	Granular Subbase (GSB), Water Bound Macadam (WBM), Wet Mix Macadam (WMM)	Soundness by Sodium/Magnesium Sulphate	IS 2386 (Part 5)
169	MECHANICAL- SOIL AND ROCK	Granular Subbase (GSB), Water Bound Macadam (WBM), Wet Mix Macadam (WMM)	Water Absorption	IS 2386 (Part 3)
170	MECHANICAL- SOIL AND ROCK	Granular Subbase (GSB), Wet Mix Macadam (WMM)	Impact Value	IS 2386 (Part 4)
171	MECHANICAL- SOIL AND ROCK	Natural Stone	Durability (Change in Weight)	IS 1126
172	MECHANICAL- SOIL AND ROCK	Natural Stone	Durability (Visual Examination)	IS 1126
173	MECHANICAL- SOIL AND ROCK	Natural Stone, Granite	Porosity (True and Apparent)	IS 1124
174	MECHANICAL- SOIL AND ROCK	Natural Stone, Marble, Granite	Specific Gravity	IS 1124
175	MECHANICAL- SOIL AND ROCK	Natural Stone, Granite	Compressive Strength	IS 1121 (Part 1)
176	MECHANICAL- SOIL AND ROCK	Natural Stone, Marble, Granite	Apparent Specific Gravity	IS 1124
177	MECHANICAL- SOIL AND ROCK	Natural Stone, Marble, Granite	Scratch Hardness	IS 13630 (Part 13)
178	MECHANICAL- SOIL AND ROCK	Natural Stone, Marble, Granite	Water Absorption	IS 1124
179	MECHANICAL- SOIL AND ROCK	Natural Stone, Rock	Water Content	IS 13030
180	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
181	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
182	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Sieve Analysis) (45 µm to 100 mm)	IS 2720 (Part 4)
183	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
184	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 2)
185	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
186	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 2)

National Accreditation Board for Testing and Calibration Laboratories

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Accreditation Standard ISO/IEC 17025:2017

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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
187	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
188	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
189	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
190	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/Section 2)
191	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking of Sand	IS 2386 (Part 3)
2	MECHANICAL- SOIL AND ROCK	Soil	Field Density By Core Cutter Method	IS 2720 (Part 29)
3	MECHANICAL- SOIL AND ROCK	Soil, Granular Subbase (GSB), Water Bound Macadam (WBM), Wet Mix Macadam (WMM)	Field Density By Sand Replacement Method	IS 2720 (Part 28)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure / Cement Concrete / Structure Members	Carbonation Test	IS 516 (Part 5/Section 3)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure / Cement Concrete / Structure Members	Half Cell Potential	IS 516 (Part 5/Section 2)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure / Cement Concrete / Structure Members	Rebound Hammer Test	IS 516 (Part 5/Section 4)
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure / Cement Concrete / Structure Members	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Section 1)