National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BEACON INFRALAB INDIA PRIVATE LIMITED, MAHUA HOUSE, A-156, ROHIT NAGAR EXTN., PHASE 2, PART-3, BHOPAL, MADHYA PRADESH, 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	CHEMICAL- BUILDING MATERIAL	Aggregates	Chloride	DIN 1744(P-1)
2	CHEMICAL- BUILDING MATERIAL	Aggregates	Sulphate	DIN 1744(P-1)
3	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Alumina	IS 4032
4	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Calcium Oxide	IS 4032
5	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Chloride Content	IS 4032
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Insoluble Residue	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Iron Oxide	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Loss on Ignition	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Magnesium Oxide	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Potassium Oxide	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Silica	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Sodium oxide	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Sulphuric Anhydride	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Ash Content	IS 9103
15	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Chloride	IS 6925
16	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Dry Material Content	IS 9103
17	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	pH	IS 9103
18	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Relative density	IS 9103

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19	CHEMICAL- BUILDING MATERIAL	Fly ash	Alumina	IS 1727
20	CHEMICAL- BUILDING MATERIAL	Fly ash	Calcium Oxide	IS 1727
21	CHEMICAL- BUILDING MATERIAL	Fly ash	Iron Oxide	IS 1727
22	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on Ignition	IS 1727
23	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesium oxide	IS 1727
24	CHEMICAL- BUILDING MATERIAL	Fly ash	Silicon Dioxide	IS 1727
25	CHEMICAL- BUILDING MATERIAL	Fly ash	Sodium Oxide	IS 4032
26	CHEMICAL- BUILDING MATERIAL	Fly ash	Sulphur Trioxide	IS 1727
27	CHEMICAL- BUILDING MATERIAL	Fly ash	Total chloride	IS 4032
28	CHEMICAL- BUILDING MATERIAL	Lime	Alumina	IS 6932 (P-1)
29	CHEMICAL- BUILDING MATERIAL	Lime	Calcium Oxide	IS 6932 (P-1)
30	CHEMICAL- BUILDING MATERIAL	Lime	Combined Ferric Oxide & Alumina	IS 6932 (P-1)
31	CHEMICAL- BUILDING MATERIAL	Lime	Ferric Oxide	IS 6932 (P-1)
32	CHEMICAL- BUILDING MATERIAL	Lime	Insoluble Residue in HCL	IS 6932 (P-1)
33	CHEMICAL- BUILDING MATERIAL	Lime	Loss on Ignition	IS 6932 (P-1)
34	CHEMICAL- BUILDING MATERIAL	Lime	Magnesium Oxide	IS 6932 (P-1)
35	CHEMICAL- BUILDING MATERIAL	Lime	Silica	IS 6932 (P-1)
36	CHEMICAL- METALS & ALLOYS	Alloy steel	Aluminum	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Alloy Steel	Aluminum	IS 8811

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38	CHEMICAL- METALS & ALLOYS	Alloy Steel	Carbon	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Alloy Steel	Carbon	IS 8811
40	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium	IS 8811
42	CHEMICAL- METALS & ALLOYS	Alloy Steel	Copper	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Alloy Steel	Copper	IS 8811
44	CHEMICAL- METALS & ALLOYS	Alloy steel	Manganese	ASTM E415
45	CHEMICAL- METALS & ALLOYS	Alloy Steel	Manganese	IS 8811
46	CHEMICAL- METALS & ALLOYS	Alloy Steel	Molybdenum	ASTM E415
47	CHEMICAL- METALS & ALLOYS	Alloy Steel	Molybdenum	IS 8811
48	CHEMICAL- METALS & ALLOYS	Alloy steel	Nickel	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nickel	IS 8811
50	CHEMICAL- METALS & ALLOYS	Alloy Steel	Phosphorus	ASTM E415
51	CHEMICAL- METALS & ALLOYS	Alloy Steel	Phosphorus	IS 8811
52	CHEMICAL- METALS & ALLOYS	Alloy Steel	Silicon	ASTM E415
53	CHEMICAL- METALS & ALLOYS	Alloy Steel	Silicon	IS 8811
54	CHEMICAL- METALS & ALLOYS	Alloy Steel	Sulphur	ASTM E415
55	CHEMICAL- METALS & ALLOYS	Alloy Steel	Sulphur	IS 8811
56	CHEMICAL- SOIL AND ROCK	Soil	Organic Material	IS 2720 (Part 22)

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57	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (Part 26)
58	CHEMICAL- SOIL AND ROCK	Soil	Sulphate	IS 2720 (Part 27)
59	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Solid	IS 2720 (Part 21)
60	CHEMICAL- WATER	Construction Water	Acidity	IS 3025 (Part 22)
61	CHEMICAL- WATER	Construction water	Alkalinity	IS 3025 (Part 23)
62	CHEMICAL- WATER	Construction Water	Chloride	IS 3025 (Part 32)
63	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (Part 18)
64	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18)
65	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
66	CHEMICAL- WATER	Construction water	Sulphate as So3	IS 3025 (Part 24)
67	CHEMICAL- WATER	Construction Water	Suspended Matter	IS 3025 (Part 18)
68	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Accelarated Curing of Concrete for Compressive Strength	IS 9013
69	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Flexural Strength	IS 516 (Part-1/Sec.-1)
70	MECHANICAL- BUILDINGS MATERIALS	(Cement) PPC/OPC	Consistency	IS 4031 (Part-4)
71	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Bulk Density	IS 6441 (Part-1)
72	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Compressive Strength	IS 6441 (Part-5)
73	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Dimension (Width)	IS 2185 (Part 3)
74	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Dimension(Length)	IS 2185 (Part 3)
75	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Dimension(Thickness)	IS 2185 (Part 3)
76	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Moisture Content	IS 6441 (Part-1)
77	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206(Part-2)
78	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208

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79	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash and Fire Point	IS 1209
80	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206(Part-3)
81	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration test	IS 1203
82	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
83	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in trichloroethylene	IS 1216
84	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
85	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Striping Value	IS 6241
86	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Viscosity ratio	IS 1206(Part-2)
87	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 Micron	IS 8887
88	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by Sayboltfurol Viscometer @ 25°C	IS 3117(Annexure-A)
89	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by Sayboltfurol Viscometer @ 50°C	IS 3117 (Annexure-A)
90	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Water Content	IS 1211
91	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion Residue	Ductility	IS 1208
92	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion Residue	Penetration	IS 1203
93	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion Residue	Residue by Evaporation	IS 8887 (Annexure-J)
94	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion Residue	Solubility in Trichloroethylene	IS 1216
95	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Binder Content	IRC SP 11
96	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Bulk Specific Gravity	ASTM D 2726
97	MECHANICAL- BUILDINGS MATERIALS	Bitumen MIx	Marshal stability	ASTM D 6927& MS2

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98	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Theoritical Maximum Specific Gravity	ASTM D2041
99	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part-1)
100	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 1077
101	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Thickness)	IS 1077
102	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (width)	IS 1077
103	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence Test	IS 3495 (Part-3)
104	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part-2)
105	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC/OPC)	Compressive Strength Test	IS 4031 (Part-6)
106	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC/OPC)	Density	IS 4031 (Part-11)
107	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC/OPC)	Final Setting Time	IS 4031 (Part-5)
108	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC/OPC)	Fineness Test By Blains Air Permeability	IS 4031 (Part-2)
109	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC/OPC)	Initial Setting time	IS 4031 (Part-5)
110	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC/OPC)	Soundness by Autoclave	IS 4031 (Part 3)
111	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC/OPC)	Soundness Test By Le Chateler Appratus	IS 4031 (Part-3)
112	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tile	Abrasion resistance	IS 1237
113	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tile	Dimension (Length)	IS 1237
114	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete tile	Dimension (Thickness)	IS 1237
115	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete tile	Dimension (Width)	IS 1237
116	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Tile	Water Absorptoin	IS 1237

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117	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Tile	Wet Transverse Strength	IS 1237
118	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fine's Value	IS 2386 (Part-4)
119	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part-4)
120	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Alkali Aggregate Reactivity (Reduction in Alkalinity)	IS 2386 (Part-7)
121	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Alkali aggregate(Dissolved Silica)	IS 2386 (Part-7)
122	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part-3)
123	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps percentage	IS 2386 (Part 2)
124	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
125	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
126	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)
127	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part-4)
128	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Light weight pieces(Coal& lignite)	IS 2386 (Part 2)
129	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Materials finer than 75 micron sieve	IS 2386 (Part 1)
130	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Organic Impurities Inspection	IS 2386 (Part 2)
131	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Petrographic Examination	IS 2386 (Part 8)
132	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Polished Stone Value	IS 2386 (Part 4)
133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part-1)
134	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Silt Content	IS 2386 (Part 2)
135	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soft Particles percentage	IS 2386 (Part 2)

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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
136	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS 2386 (Part 5)
137	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
138	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part-3)
139	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part-3)
140	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Fine aggregate	IS 2386 (Part-3)
141	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps percentage	IS 2386 (Part 2)
142	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Light weight pieces(Coal& lignite)	IS 2386 (Part 2)
143	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials finer than 75 micron sieve	IS 2386 (Part 1)
144	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities Inspection	IS 2386 (Part 2)
145	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part-1)
146	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS 2386 (Part 2)
147	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS 2386 (Part -5)
148	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part-3)
149	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part-3)
150	MECHANICAL- BUILDINGS MATERIALS	Flay ash	Lime Reactivity	IS: 1727
151	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Compressive strength	IS 1727
152	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Final Setting Time	IS 1727
153	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blain Air Permeability	IS 1727
154	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by Sieve Analysis	IS 1727

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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
155	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Initial setting Time	IS 1727
156	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Autoclave	IS 1727
157	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Le-chatelier Method	IS 1727
158	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727
159	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Air Content	IS 1199 (Part-4)
160	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Bleeding Percent	IS 9103
161	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Compaction Factor	IS 1199 (Part-2)
162	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Density	IS 1199 (Part 3)
163	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Flow test	IS 1199 (Part 2)
164	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Loss of work-ability	IS 9103, IS 1199 (Part-2)
165	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump test	IS 1199 (Part-2)
166	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Time of Setting (Final)	IS 1199 (Part-7)
167	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Time of setting (Initial)	IS 1199 (Part-7)
168	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Water content (percent of control sample)	IS 9103
169	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Compressive Strength of Core	IS 516 (Part-4)
170	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Compressive strength of Cube	IS 516 (Part-1/Sec.-1)
171	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Density	IS 516 (Part-2/Sec.-1)
172	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Drying Shrinkage & Moisture Movement	IS 516 (Part-6)
173	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Moisture Content	DIN 1048 (P-5)

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174	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Tensile splitting Strength	IS 516 (Part-1/Sec.-1)
175	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Water Permeability in Harden Concrete	DIN 1048 (P-5)
176	MECHANICAL- BUILDINGS MATERIALS	HSD Bar/ TMT Bar	Percentage of Elongation	IS 1608
177	MECHANICAL- BUILDINGS MATERIALS	HSD Bar/ TMT Bar	Re Bend Test	IS 1786
178	MECHANICAL- BUILDINGS MATERIALS	HSD Bar/ TMT Bar	Ultimate Tensile Strength	IS 1608
179	MECHANICAL- BUILDINGS MATERIALS	HSD Bar/ TMT Bar	Weight per meter	IS 1786
180	MECHANICAL- BUILDINGS MATERIALS	HSD Bar/ TMT Bar	Yield Stress	IS 1608
181	MECHANICAL- BUILDINGS MATERIALS	HSD Bar/TMT Bar	Bend Test	IS 1599
182	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion Resistance (Per 5000 mm Square)	IS 15658
183	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
184	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Length)	IS 15658
185	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Thickness)	IS 15658
186	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Width)	IS 15658
187	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS 15658
188	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Freeze & Thaw	IS 15658
189	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Tensile splitting Strength	IS 15658
190	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Thickness of Wearing layer	IS 15658
191	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Visual Inspection	IS 15658
192	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658

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193	MECHANICAL- SOIL AND ROCK	Rock	Compressive strength	IS: 1121(P-1)
194	MECHANICAL- SOIL AND ROCK	Rock	Density Test	IS 13030
195	MECHANICAL- SOIL AND ROCK	Rock	Porosity Test	IS: 13030
196	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
197	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
198	MECHANICAL- SOIL AND ROCK	Soil	Swelling pressure	IS 2720 (Part-41)
199	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS 2720 (Part-16)
200	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Properties(Coefficient of Compressibility av)	IS 2720 (Part 15)
201	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Properties(Coefficient of consolidation Cv)	IS 2720 (Part 15)
202	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test Shear Angle(ø)	IS 2720 (Part-13)
203	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test Shear Stress(C)	IS 2720 (Part-13)
204	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
205	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part-4) clause 3 & 4
206	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Hydrometer Method)	IS 2720 (Part 4) clause 5.2
207	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Pipette Method)	IS 2720 (Part-4) Clause- 5.1
208	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part-8)
209	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part-8)
210	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part-7)

SCOPE OF ACCREDITATION

Laboratory Name : BEACON INFRALAB INDIA PRIVATE LIMITED, MAHUA HOUSE, A-156, ROHIT NAGAR EXTN., PHASE 2, PART-3, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 31/07/2022 to 30/07/2024 **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
211	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part-7)
212	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
213	MECHANICAL- SOIL AND ROCK	Soil	Permeability Test	IS 2720 (Part 17)
214	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
215	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part-6)
216	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3)
217	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test Shear Angle (ø)	IS 2720 (Part-11)
218	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test Shear Stress(C)	IS 2720 (Part-11)
219	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part-10)
220	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part-2)
221	MECHANICAL- SOIL AND ROCK	Soil / Fine Aggregate	Sand Equivalent Value	IS 2720 (Part 37)
222	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Carbonation Test	IS 516 (Part 5/ Sec.-3)
223	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell Potentials of Uncoated Reinforced Steel in Concrete	IS 516 (Part 5/Sec.-2)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BEACON INFRALAB INDIA PRIVATE LIMITED, MAHUA HOUSE, A-156, ROHIT NAGAR EXTN., PHASE 2, PART-3, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6174	**Page No**	13 of 13
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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
Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Standard penetration Test	IS 2131
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Cover Meter Test	BS 1881 P-204
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Sec 1)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell Potential difference test	ASTM C 876
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer Test	IS 516 (Part-5/Sec.-4)