National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	RENUKA CONSULTANTS (RENUKA ENGINEERING RESEARCH LABORATORIES), L-139, MIDC, RAIGAD, TALOJA, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7015	**Page No**	1 of 13
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	11/08/2022

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
Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Block Joining Mortar	Alumina (Al2O3)	IS 4032
2	CHEMICAL- BUILDING MATERIAL	Block Joining Mortar	Calcium Oxide	IS 4032
3	CHEMICAL- BUILDING MATERIAL	Block Joining Mortar	Silica (SiO2)	IS 4032
4	CHEMICAL- BUILDING MATERIAL	Cement Mortar & Concrete	Chloride	IS 2645, IS 6925
5	CHEMICAL- BUILDING MATERIAL	Chemical Admixtures	Ash Content	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Chemical Admixtures	Dry Material Content	IS 9103
7	CHEMICAL- BUILDING MATERIAL	Coarse Aggregates/ Fine Aggregates/ Natural Sand/ Manufactured Sand/ Crushed Sand	Alkali Aggregate Reactivity - Dissolved Silica	IS 2386 Part 7
8	CHEMICAL- BUILDING MATERIAL	Coarse Agrregate / Fine Aggregate/ Natural Sand/ Manufactured Sand/ Crushed Sand	Chloride	IS 14959 Part 1
9	CHEMICAL- BUILDING MATERIAL	Coarse Agrregate / Fine Aggregate/ Natural Sand/ Manufactured Sand/ Crushed Sand	pH	IS 2720 Part 26
10	CHEMICAL- BUILDING MATERIAL	Coarse Agrregate / Fine Aggregate/ Natural Sand/ Manufactured Sand/ Crushed Sand	Sulphate	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Coarse Agrregate / Fine Aggregate/Natural Sand/ Manufactured Sand/ Crushed Sand	Alkali Aggregate Reactivity - Reduction in Alkalinity	IS 2386 Part 7
12	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Chloride Content	IS 6925
13	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	pH	IS 9103
14	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Relative Density	IS 9103
15	CHEMICAL- BUILDING MATERIAL	Fine Aggregate/Natural Sand/ Manufactured Sand/ Crushed Sand	Organic Impurities	IS 2386 Part 2
16	CHEMICAL- BUILDING MATERIAL	Fly ash	Calcium Oxide (CaO)	IS 1727
17	CHEMICAL- BUILDING MATERIAL	Fly ash	Chlorides	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Fly ash	Combined Ferric Oxide and Alumina	IS 1727

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19	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss in Ignition	IS 1727
20	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on Ignition	IS 1727
21	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesia (MgO)	IS 1727
22	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica (SiO2)	IS 1727
23	CHEMICAL- BUILDING MATERIAL	Fly ash	Sulphuric Anhydride	IS 1727
24	CHEMICAL- BUILDING MATERIAL	GGBFS / Slag	Alumina	IS 4032
25	CHEMICAL- BUILDING MATERIAL	GGBFS / Slag	Insoluble Residue (IR)	IS 4032
26	CHEMICAL- BUILDING MATERIAL	GGBFS / Slag	LOI	IS 4032
27	CHEMICAL- BUILDING MATERIAL	GGBFS / Slag	Magnesia	IS 4032
28	CHEMICAL- BUILDING MATERIAL	GGBFS / Slag	Moisture	IS16714
29	CHEMICAL- BUILDING MATERIAL	GGBFS / Slag	Silica	IS 4032
30	CHEMICAL- BUILDING MATERIAL	GGBFS/ Slag	Chloride Content	IS 4032
31	CHEMICAL- BUILDING MATERIAL	GGBS / Slag	Calcium Oxide (CaO)	IS 4032
32	CHEMICAL- BUILDING MATERIAL	Gypsum & Gypsum Plaster	Sulphur Trioxide	IS 1288
33	CHEMICAL- BUILDING MATERIAL	Gypsum and all gypsum Plaster	Calcium Oxide	IS1288
34	CHEMICAL- BUILDING MATERIAL	Gypsum and all Gypsum Plaster	Free Lime	IS 2547 Part 1
35	CHEMICAL- BUILDING MATERIAL	Gypsum and all gypsum Plaster	LOI	IS 2547 Part 1
36	CHEMICAL- BUILDING MATERIAL	Gypsum and all Gypsum Plaster	Magnesium Oxide	IS 2547 Part 1
37	CHEMICAL- BUILDING MATERIAL	Gypsum and all Gypsum Plaster	SO3	IS 1288

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38	CHEMICAL- BUILDING MATERIAL	Hardened Concrete / Cement Mortar	pH	IS 2720 Part 26
39	CHEMICAL- BUILDING MATERIAL	Hardened Concrete/ hardened Mortar	Chloride	IS 14959 Part 2
40	CHEMICAL- BUILDING MATERIAL	Hardned Concrete / Mortar	Acid soluble / water Soluble Sulphate as SO3	BS1881 Part 124
41	CHEMICAL- BUILDING MATERIAL	OPC / PPC / PSC Cement	Ratio of % of lime to % of silica, Alumina & iron Oxide Test	IS 4032
42	CHEMICAL- BUILDING MATERIAL	OPC / PPC / PSC Cement	Ration Of Alumina to That of Iron Oxide Test	IS 269
43	CHEMICAL- BUILDING MATERIAL	OPC / PPC / PSC Cement	Tricalcium Aluminate	IS 269
44	CHEMICAL- BUILDING MATERIAL	OPC / PPC / PSC Cement	Tricalcium Silicate	IS 269
45	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Alumina (Al2O3)	IS 4032
46	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Calcium Oxide (CaO)	IS 4032
47	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Chloride	IS 4032
48	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Ferric Oxide (Fe2O3)	IS 4032
49	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Insoluble Residue	IS 4032
50	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Loss on Ignition	IS 4032
51	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Magnesia (MgO)	IS 4032
52	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Silica (SiO2)	IS 4032
53	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Sulphur as (SO3)	IS 4032
54	CHEMICAL- BUILDING MATERIAL	Silica Fume	Loss on Ignition	IS 1727
55	CHEMICAL- BUILDING MATERIAL	Silica Fume	Moisture Content	IS 15388

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56	CHEMICAL- BUILDING MATERIAL	Silica Fume	Silica	IS 1727
57	CHEMICAL- METALS & ALLOYS	Iron alloy steel & Carbon steel	Carbon	IS 228 Part 9
58	CHEMICAL- METALS & ALLOYS	Iron alloy steel & carbon steel	Manganese	IS 228 Part 2
59	CHEMICAL- METALS & ALLOYS	Iron alloy steel & carbon steel	Silicon	IS 228 Part 8
60	CHEMICAL- METALS & ALLOYS	Iron alloy steel & Carbon steel	Sulphur	IS 228 Part 9
61	CHEMICAL- METALS & ALLOYS	Iron Alloy Steel & Carbon Steel	Sulphur + Phosphourous	IS 1786
62	CHEMICAL- METALS & ALLOYS	Iron alloy steel &Carbon steel	Phosphorus	IS 228 Part 3
63	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate	IS 2720 (Part 23)
64	CHEMICAL- SOIL AND ROCK	Soil	Chloride	BS 1377 Part-3
65	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 (Part 22)
66	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (PART 26)
67	CHEMICAL- SOIL AND ROCK	Soil	Sulphate	IS 2720 Part 27
68	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Solids	IS 2720 (Part 21)
69	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphates	IS 2720 (Part 27)
70	CHEMICAL- WATER	Water for construction purpose	Acidity -0.02 N NaOH Required to neutralize 100ml of water	IS 3025 (Part 22)
71	CHEMICAL- WATER	Water for construction purpose	Alkalinity -0.02 N H2S04 Required to neutralize 100ml of water	IS 3025 (Part 23)
72	CHEMICAL- WATER	Water for construction purpose	Chloride Content	IS 3025 (Part 32, Clause 2.0)
73	CHEMICAL- WATER	Water for construction purpose	Inorganic residue	IS 3025 part 18
74	CHEMICAL- WATER	Water for construction purpose	Organic Residue	IS 3025 (Part 18)
75	CHEMICAL- WATER	Water for construction purpose	pH of Water	IS 3025 Part 11

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76	CHEMICAL- WATER	Water for construction purpose	Sulphate Content	IS 3025 (Part 24, Clause 2.0)
77	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 (Part 17)
78	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Impact Value	IS 2386 Part 4
79	MECHANICAL- BUILDINGS MATERIALS	Block Jointing Mortar	Split Tensile Test	ASTM C 1660
80	MECHANICAL- BUILDINGS MATERIALS	Bricks / Flyash Bricks / Precast Blocks	Diamension (Height)	IS 1077
81	MECHANICAL- BUILDINGS MATERIALS	Bricks / Flyash Bricks / Precast Blocks	Dimension (Width)	IS 1077
82	MECHANICAL- BUILDINGS MATERIALS	Bricks / Flyash Bricks / Precast Blocks	Dimension (Length)	IS 1077
83	MECHANICAL- BUILDINGS MATERIALS	Bricks / Flyash Bricks / Precast Blocks	Water Absorption	IS 3495 : Part 2
84	MECHANICAL- BUILDINGS MATERIALS	Bricks/ Flyash Bricks/ Precast Blocks	Compressive Strength	IS 3495 : Part 1
85	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick & Flyash Bricks	Dimension	IS 1077
86	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick & Flyash Bricks	Efflorescence	IS 3495 Part 3
87	MECHANICAL- BUILDINGS MATERIALS	Chemical Admixtures	Dry Material Content	IS 9103
88	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 : Part 3
89	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Ten percent fines	IS 2386 (Part 4)
90	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/ Fine Aggregate/ Natural Sand/ Manufactured Sand/ Crushed Sand	Soundness by Sodium Sulphate and Magnesium Sulphate	IS 2386 (Part 5)
91	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Crushing Value	IS 2386 : Part 4
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Impact Value	IS 2386 : Part 4
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Rodded)	IS 2386 (Part 3)
94	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density Loose	IS 2386 Part 3
95	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Test	IS 2386 : Part 1

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96	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 : Part 1
97	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis	IS 2386 : Part 1
98	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 : Part 3
99	MECHANICAL- BUILDINGS MATERIALS	Concrete	Modulus of Elasticity	IS 516
100	MECHANICAL- BUILDINGS MATERIALS	Concrete	Moisture Movement	IS 1199
101	MECHANICAL- BUILDINGS MATERIALS	Concrete	Split Tensile Strength	IS 5816
102	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516
103	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulkage	IS 2386 (Part 3): 1963
104	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Materials -finer than 75 micron	IS 2386 (Part 1): 1963
105	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis	IS 2386 : Part 1
106	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 : Part 3
107	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 : Part 3
108	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Determination of Initial Setting Time	IS 1727
109	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Blaine's Fineness	IS 3812
110	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Determination of Final Setting Time	IS 1727
111	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Determination of Lime reactivity	IS 1727
112	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness Wet sieving (45µ)	IS 3812 (Part 1)
113	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness	IS 1727
114	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727

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115	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199
116	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Crushing Value	IS 2386 Part 4
117	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Elongation Index	IS 2386 Part 4
118	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Flakiness Index	IS 2386 Part 4
119	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Ten percent fines	IS 2386 Part 4
120	MECHANICAL- BUILDINGS MATERIALS	Granulated Glass Blast Furnace Slag(GGBFS)	Slag Activity Index	IS 4031 part 6
121	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Compressive Strength	IS 2542 (part1/sec5)
122	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Dry Bulk Density	Is 2542 (Part1/sec5)
123	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Freedom From Coarse Particles	IS 2542(Part1/sec8)
124	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Normal Consistency	IS 2542 (Part 1) sec 2
125	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Residue on 1.18 micron is sieve	IS 2542 (Part-1)
126	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Setting Time	IS 2542 (Part1/sec3)
127	MECHANICAL- BUILDINGS MATERIALS	Haedened Concrete	Drying Shrinkage	IS 1199
128	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Chloride Diffusion Test / Chloride Migration Profile	ASTM C 1556 & AASHTO- T 259
129	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516
130	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength (Core)	IS 516 (Part 4)
131	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Initial Surface Absorption Test	BS 1881 Part 208
132	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Rapid Chloride Migration Test	NT Build 492
133	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Rapid Chloride Penetration Test	ASTM C-1202

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134	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Water Permeability	IS 516 (Part 2/ Sec 1)
135	MECHANICAL- BUILDINGS MATERIALS	Hydraulic cement OPC-33G,43G,53G / PSC / PPC / GGBS / White cement	Drying Shrinkage	IS 4031 Part 10
136	MECHANICAL- BUILDINGS MATERIALS	Masonry Block	Compressive Strength	IS 2185 Part 3
137	MECHANICAL- BUILDINGS MATERIALS	Masonry Block/ AAC Block	Drying shrinkage	IS 6441 part2
138	MECHANICAL- BUILDINGS MATERIALS	Masonry Blocks	Block Density	IS 2185 Part 1
139	MECHANICAL- BUILDINGS MATERIALS	Masonry Blocks	Drying Shrinkage	IS 2185 Part 1 (Annex-E)
140	MECHANICAL- BUILDINGS MATERIALS	Microsilica/ Silica Fume	Compressive strength at 7 days	IS 1727
141	MECHANICAL- BUILDINGS MATERIALS	Microsilica/ Silica Fume	Specific Gravity	IS 1727
142	MECHANICAL- BUILDINGS MATERIALS	Microsilica/ Silica Fume	Wet Sieving	IS 1727
143	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Blaine's Fineness Test	IS 4031 Part 2
144	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Consistency	IS 4031 : Part 4
145	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Final Setting Time	IS 4031 : Part 5
146	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Fineness by dry sieving (% retained)	IS 4031 : Part 1
147	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Initial Setting Time	IS 4031 : Part 5
148	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Soundness by Le–chatelier methods	IS 4031 : Part 3
149	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Specific Gravity	IS 4031 Part 11
150	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC/Joint Mortar	Compressive Strength	IS 4031 : Part 3
151	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive strength	IS 15658:2006
152	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658

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153	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Compressive strength at 7 days	IS 1727
154	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Particle retained on 45 micron IS: Sieve (wet sieving)	IS1727
155	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Ply Strand for Prestressed concrete	0.2% Proof Load	IS 1608 Part 1
156	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Ply Strand for Prestressed concrete	Average diameter of surrounding wires	IS 14268
157	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Ply Strand for Prestressed concrete	Breaking Strength/Ultimate Tensile Strength	IS 1608 Part 1
158	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Ply Strand for Prestressed concrete	Diameter of the centre wire	IS 14268
159	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Ply Strand for Prestressed concrete	Difference in Diameter of centre wire & surrounding wire	IS 14268
160	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Ply Strand for Prestressed concrete	Elongation	IS 1608 Part 1
161	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Ply Strand for Prestressed concrete	Length of Lay	IS 14268
162	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Ply Strand for Prestressed concrete	Nominal Cross section area	IS 14268
163	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Ply Strand for Prestressed concrete	Nominal Diameter	IS 14268
164	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Ply Strand for Prestressed concrete	Nominal mass per unit length	IS 14268
165	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Elongation	IS 1608 Part 1
166	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Rebend Test	IS 1786

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167	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Tensile Strength	IS 1608 : Part 1
168	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Weight per meter	IS 1786
169	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Yield Strength	IS 1608 : Part 1
170	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcing Steel	Bend Test	IS 1599
171	MECHANICAL- SOIL AND ROCK	Clay/Soil/Murrum	Laboratory California Bearing Ratio (Soaked)	IS 2720 (Part 16)
172	MECHANICAL- SOIL AND ROCK	Clays/ Soils/ Murrum	Direct Shear Test - UU(Cohesion)	IS 2720 (Part-13)
173	MECHANICAL- SOIL AND ROCK	Clays/Soils	Consolidation Test	IS 2720 (Part 15)
174	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Direct Shear Test - UU (Ø)	IS 2720 (Part–13)
175	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Free Swell Index	IS 2720 (Part 40)
176	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Grain Size Analysis (125 mm - 75 micron)	IS 2720 (Part - 4)
177	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Heavy Compaction (Maximum Dry Density)	IS 2720 (Part-8)
178	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Heavy Compaction (Optimum Moisture Content)	IS 2720 (Part–8)
179	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Light Compaction (Maximum Dry Density)	IS 2720 (Part-7)
180	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Light Compaction (Optimum Moisture Content)	IS 2720 (Part 7)
181	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Liquid Limit	IS 2720 (Part–5)
182	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Plastic Limit	IS 2720 (Part 5)
183	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Shrinkage limit	IS 2720 (Part 6)

SCOPE OF ACCREDITATION

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Validity 12/03/2022 to 11/03/2024 **Last Amended on** 11/08/2022

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
184	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Standard Penetration Test	IS 2131
185	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Tri Axial Test (Cohesion)	IS 2720 (Part-11)
186	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Tri Axial Test (Ø)	IS 2720 (Part-11)
187	MECHANICAL- SOIL AND ROCK	Concrete	CrossHole Sonic Logging test	ASTM-D6760
188	MECHANICAL- SOIL AND ROCK	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	California Bearing Ratio	IS 2720 Part-16
189	MECHANICAL- SOIL AND ROCK	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Heavy Compaction (Maximum Dry Density)	IS 2720 Part 8
190	MECHANICAL- SOIL AND ROCK	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Heavy Compaction (Optimum Moisture Content)	IS 2720 Part 7
191	MECHANICAL- SOIL AND ROCK	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Light Compaction (Optimum Moisture Content)	IS 2720 Part 7
192	MECHANICAL- SOIL AND ROCK	Rock	Brazillian Test	IS 10082
193	MECHANICAL- SOIL AND ROCK	Rock	Elastic Modulus	IS: 9221
194	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
195	MECHANICAL- SOIL AND ROCK	Rock	Poisson's Ratio	IS: 9221
196	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
197	MECHANICAL- SOIL AND ROCK	Rock	Soundness	BS 812 Part 121
198	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1122
199	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression Test Angle of Friction	IS 13047
200	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Rock Test (Ø)	IS 13047
201	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
202	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 1124

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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
203	MECHANICAL- SOIL AND ROCK	Rock/ Building Stone	Dry Density	IS 13030
204	MECHANICAL- SOIL AND ROCK	Soil and Rock	Seismic Refraction	IS 15681
205	MECHANICAL- SOIL AND ROCK	Soil/ Soft Murrum/ Soft Rock	Plate Load Test	IS 1888
206	MECHANICAL- SOIL AND ROCK	Soils	Unconfined Compression Strength	IS 2720 (Part-10)
207	MECHANICAL- SOIL AND ROCK	Stones/ Rock	Dry Density	EN 13383-2
208	MECHANICAL- SOIL AND ROCK	Stones/ Rock	Porosity	EN 13383-2
209	MECHANICAL- SOIL AND ROCK	Stones/ Rock	Unconfined Compression Strength	BS/ EN 1926
210	MECHANICAL- SOIL AND ROCK	Stones/ Rock	Water Absorption	EN 13383-2
211	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Carbonation Test	BS EN 14630
212	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer	IS 13311 : Part 2
213	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic Pulse Velocity	IS 516 Part 5 Section 1
214	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Pile	Pile Integrity Test	IS 14893

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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	Clay/Soil/Murrum	Dry density by core cutter method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Clays/Soils/Murrum	Standard Penetration Test	IS 2131
3	MECHANICAL- SOIL AND ROCK	Soil/ Soft Murrum/ Soft Rock	Plate Load Test	IS 1888
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Carbonation test	BS EN 14630
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Cover Meter Test	BS 1881(Part 204)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer	IS 13311 : Part 2
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Slab load Test	IS 456
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic Pulse Velocity	IS 516 Part 5 Section 1