National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SYNERGY TESTING HOUSE, PLOT NO. 97 (BASEMENT), LION TOWER, ELEGANT ESTATE, KOLAR ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 14/02/2022 to 13/02/2024 **Last Amended on** 17/03/2022

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	Cement (OPC/PPC)	Alkalis as K2O percent by mass	IS 4032
2	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Alkalis as Na2O percent by mass	IS 4032
3	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Alumina as Al2O3	IS 4032
4	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Calcium Oxide as CaO	IS 4032
5	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Ferric Oxide Fe2O3	IS 4032
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Insoluble Residue	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Loss on Ignition percent by mass	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Magnesium Oxide (MgO) in percent by mass	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Silicon Dioxide (SiO2) in percent by mass	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Sulphuric Anhydride	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Total Chlorides in percent by mass	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Ash Content	IS 9103
13	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Chloride Content	IS 6925
14	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Dry Material Content	IS 9103
15	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	pH	IS 9103
16	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Relative Density	IS 9103
17	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silicon Dioxide (SiO2) in percent by mass	IS 1727
18	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Chloride Content	IS 14959 (Part 2)

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19	CHEMICAL- BUILDING MATERIAL	Silica Fume	Alkalis as Na2O	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Silica Fume	Loss on Ignition	IS 1727
21	CHEMICAL- BUILDING MATERIAL	Silica Fume	Moisture Content	IS 15388
22	CHEMICAL- BUILDING MATERIAL	Silica Fume	Silicon Dioxide (SiO2) in percent by mass	IS 1727
23	CHEMICAL- METALS & ALLOYS	Ferrous Material Low Alloy Steel	Carbon	IS 228 (Part 1)
24	CHEMICAL- METALS & ALLOYS	Ferrous Material Low Alloy Steel	Phosphorus	IS 228 (Part 3)
25	CHEMICAL- METALS & ALLOYS	Ferrous Material Low Alloy Steel	Sulphur	STH/SOP/CE/LAS/03, Issue No. 01, Date 14.02.2022
26	CHEMICAL- SOIL AND ROCK	Bentonite (Soil)	pH	IS 2720 (Part 26)
27	CHEMICAL- SOIL AND ROCK	Clay & Soil	Water Soluble Chloride Content	BS 1377-3
28	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate	IS 2720 (Part 23)
29	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 (Part 22)
30	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (Part 26)
31	CHEMICAL- SOIL AND ROCK	Soil	Soluble Sulphates	IS 2720 (Part 27)
32	CHEMICAL- WATER	Construction Water	Acidity (Neutralize 100ml Sample using 0.02N NaOH)	IS 3025 (Part 22)
33	CHEMICAL- WATER	Construction Water	Alkalinity (Neutralize 100ml Sample using 0.02N H2SO4)	IS 3025 (Part 23)
34	CHEMICAL- WATER	Construction Water	Chloride Content	IS 3025 (Part 32)
35	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (Part 18)
36	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18)
37	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
38	CHEMICAL- WATER	Construction Water	Sulphate as So3	IS 3025 (Part 24)
39	CHEMICAL- WATER	Construction Water	Suspended Matter	IS 3025 (Part 17)

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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
40	MECHANICAL- BUILDINGS MATERIALS	AAC / BLOCK	Block Density	IS 2185 (Part 1), IS 2185 (Part 2)
41	MECHANICAL- BUILDINGS MATERIALS	AAC/ BLOCK (Solid / Hollow)	Compressive Strength	IS 2185 (Part 1), IS 2185 (Part 2), IS 6441 (Part 5)
42	MECHANICAL- BUILDINGS MATERIALS	AAC/ BLOCK (Solid / Hollow)	Dimension	IS 2185 (Part 1), IS 2185 (Part 2), IS 2185 (Part 3)
43	MECHANICAL- BUILDINGS MATERIALS	AAC/ BLOCK (Solid / Hollow)	Water Absorption	IS 2185 (Part 1), IS 2185 (Part 2)
44	MECHANICAL- BUILDINGS MATERIALS	AAC/BLOCKS (Solid / Hollow)	Bulk Density	IS 6441 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Admixture	Air Content by Pressure Method	IS 1199 (Part 4)
46	MECHANICAL- BUILDINGS MATERIALS	Admixture	Bleeding	IS 9103 (Annex. - D)
47	MECHANICAL- BUILDINGS MATERIALS	Admixture	Compressive Strength	IS 516 (Part - 1, Sec. - 1)
48	MECHANICAL- BUILDINGS MATERIALS	Admixture	Final Setting Time	IS 1199 (Part 7)
49	MECHANICAL- BUILDINGS MATERIALS	Admixture	Flexural Strength	IS 516 (Part - 1, Sec. - 1)
50	MECHANICAL- BUILDINGS MATERIALS	Admixture	Initial Setting Time	IS 1199 (Part 7)
51	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water Content	IS 9103
52	MECHANICAL- BUILDINGS MATERIALS	Admixture	Workability by Slump	IS 1199 (Part 2) & IS 9103
53	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
54	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
55	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
56	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP 11
57	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (DBM/BM/BC/SDBC)	Flow	ASTM D 6927
58	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (DBM/BM/BC/SDBC)	Marshall Stability	ASTM D 6927

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59	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (DBM/BM/BC/SDBC)	Stripping Value	IS 6241
60	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
61	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks	Dimension	IS 1077
62	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
63	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
64	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Drying Shrinkage	IS 4031 (Part 10)
65	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
66	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Consistency	IS 4031 (Part 4)
67	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
68	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
69	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Blaine Air Permeability Method	IS 4031 (Part 2)
70	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Dry Sieving	IS 4031 (Part 1)
71	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
72	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Autoclave Method	IS 4031 (Part 3)
73	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier`s Method	IS 4031 (Part 3)
74	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (Part 4)
75	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Alkali Aggregate Reactivity (Mortar Bar Method)	IS 2386 (Part 7)
76	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
77	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lump	IS 2386 (Part 2)

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78	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Coal & Lignite	IS 2386 (Part 2)
79	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
80	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
81	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
82	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
83	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
84	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron	IS 2386 (Part 1)
85	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Polished Stone Value	IS 2386 (Part 4)
86	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)
87	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soft Particles (Only for uncrushed aggregate mix)	IS 2386 (Part 2)
88	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Magnesium Sulphate	IS 2386 (Part 5)
89	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate	IS 2386 (Part 5)
90	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
91	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
92	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength of Concrete	IS 516 (Part 1, Sec 1)
93	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 (Part 1, Sec 1)
94	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block / Readymade Cover Block	Compressive Strength	IS 15658
95	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block / Readymade Cover Block	Length	IS 15658
96	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block / Readymade Cover Block	Split Tensile Strength	IS 15658

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97	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block / Readymade Cover Block	Thickness of Wearing layer	IS 15658
98	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block / Readymade Cover Block	Thickness	IS 15658
99	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block / Readymade Cover Block	Water Absorption	IS 15658
100	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block / Readymade Cover Block	Width	IS 15658
101	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Alkali Aggregate Reactivity (Mortar Bar Method)	IS 2386 (Part 7)
102	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
103	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part 3)
104	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay & Fine Silt By Sedimentation Method	IS 2386 (Part 2)
105	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lump	IS 2386 (Part 2)
106	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Coal & Lignite	IS 2386 (Part 2)
107	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 micron	IS 2386 (Part 1)
108	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part 2)
109	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)
110	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate	IS 2386 (Part 5)
111	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
112	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
113	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
114	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Drying Shrinkage	IS 1727
115	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blaine Method	IS 1727

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116	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
117	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Residue on 45 micron	IS 1727
118	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave Method	IS 4031 (Part 3)
119	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
120	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
121	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Air Content by Pressure Method	IS 1199 (Part 4)
122	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Bleeding	IS 9103
123	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Final Setting Time	IS 1199 (Part 7)
124	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Initial Setting Time	IS 1199 (Part 7)
125	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199 (Part 2)
126	MECHANICAL- BUILDINGS MATERIALS	Fresh Self Compacting Concrete	L-Box Test	IS 1199 (Part 6)
127	MECHANICAL- BUILDINGS MATERIALS	Fresh Self Compacting Concrete	Sieve Segregation Resistance	IS 1199 (Part 6)
128	MECHANICAL- BUILDINGS MATERIALS	Fresh Self Compacting Concrete	Slump Flow Test & t500 Test	IS 1199 (Part 6)
129	MECHANICAL- BUILDINGS MATERIALS	Fresh Self Compacting Concrete	V Funnel	IS 1199 (Part 6)
130	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Rapid Chloride Permeability Test (RCPT)	ASTM C 1202
131	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Split Tensile Strength	IS 5816
132	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Water Permeability test / Penetration of Water under Pressure	IS 516 (Part 2, Sec 1)
133	MECHANICAL- BUILDINGS MATERIALS	Silica Fume / Micro Silica	Oversize percent retained on 45 micron Sieve, Max	IS 1727

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134	MECHANICAL- BUILDINGS MATERIALS	Steel (Rebar)	% Elongation	IS 1786, IS 1608 (Part 1)
135	MECHANICAL- BUILDINGS MATERIALS	Steel (Rebar)	0.2% Proof Stress	IS 1608
136	MECHANICAL- BUILDINGS MATERIALS	Steel (Rebar)	Bend Test (Dia. of 24, 30, 32, 36, 40, 48, 50, 60, 64, 80, 100, 125, 128, 150, 160, 192 mm)	IS 1599
137	MECHANICAL- BUILDINGS MATERIALS	Steel (Rebar)	Rebend Test (Dia. of 32, 40, 48, 50, 56, 60,70, 72, 84, 96 , 108, 112, 120, 140, 144, 150, 175, 180, 192, 224, 225, 288 mm)	IS 1786
138	MECHANICAL- BUILDINGS MATERIALS	Steel (Rebar)	Tensile Strength	IS 1786, IS 1608 (Part 1)
139	MECHANICAL- BUILDINGS MATERIALS	Steel (Rebar)	Weight Per Meter	IS 1786
140	MECHANICAL- BUILDINGS MATERIALS	Steel (Rebar)	Yield Stress	IS 1786, IS 1608 (Part 1)
141	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Binding Wire	Breaking Strength	IS 1608 (Part 1), IS 280
142	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strands	0.2% Proof Load	IS 14268 (Clause 6.2.2)
143	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strands	Breaking Strength	IS 14268
144	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strands	Diameter	IS 14268 (Clause 6.0)
145	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strands	Elongation (%)	IS 14268 (Clause 6.2.3)
146	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strands	Length of Lay in mm	IS 14268 (Annex. - A)
147	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strands	Load at 1% Extension	IS 14268 (Clause 6.2.2.2)

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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
148	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strands	Modulus of Elasticity	IS 14268 (Table 1)
149	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strands	Nominal Area of Strand	IS 14268 (Annex. - B)
150	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strands	Weight Per Meter	IS 14268
151	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness (Wet/Dry Sieving)	IS 6186
152	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
153	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
154	MECHANICAL- SOIL AND ROCK	Bentonite (Soil)	Free Swelling Index	IS 2720 (Part 40)
155	MECHANICAL- SOIL AND ROCK	Bentonite (Soil)	Liquid Limit	IS 2720 (Part 5)
156	MECHANICAL- SOIL AND ROCK	Soil	CBR Value	IS 2720 (Part 16)
157	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Undrained Test (CU) by Triaxial Method with Pore Water Pressure (angle of internal friction)	IS 2720 (Part 12)
158	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Undrained Test (CU) by Triaxial Method with Pore Water Pressure (Cohesion)	IS 2720 (Part 12)
159	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15)
160	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (C)	IS 2720 (Part 13)
161	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (UU)	IS 2720 (Part 13)
162	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
163	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)

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164	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
165	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
166	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
167	MECHANICAL- SOIL AND ROCK	Soil	Linear Shrinkage	IS 2720 (Part 20)
168	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
169	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
170	MECHANICAL- SOIL AND ROCK	Soil	Permeability Test	IS 2720 (Part 17)
171	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
172	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
173	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis	IS 2720 (Part 4)
174	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity of Soil	IS 2720 (Part 3, Sec 1)
175	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure of Soil	IS 2720 (Part 41)
176	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (C)	IS 2720 (Part 11)
177	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (UU)	IS 2720 (Part 11)
178	MECHANICAL- SOIL AND ROCK	Stone / Rock	Moisture Content	IS 13030
179	MECHANICAL- SOIL AND ROCK	Stone / Rock	Point Load Index	IS 8764
180	MECHANICAL- SOIL AND ROCK	Stone / Rock	Unconfined Compressive Strength	IS 9143

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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	Field Density of Soil (by Core Cutter Method)	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Field Density of Soil (by Sand Replacement Method)	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Soil	SPT N Value	IS 2131
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Carbonation Test	Carbonation Test	BS EN 14630
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Cover Depth	Cover Depth	BS 1881 Part 204
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	High Strain Dynamic Pile Test	High Strain Dynamic Pile Test	ASTM D 4945
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	High Strain Dynamic Pile Test	High Strain Dynamic Pile Test	IRC - 78
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Low Strain Pile Integrity Test	Low Strain Pile Integrity Test	ASTM D 5882
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Low Strain Pile Integrity Test	Low Strain Pile Integrity Test	IRC - 78
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Low Strain Pile Integrity Test	Low Strain Pile Integrity Test	IS 14893
11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Rebound Hammer Test	Rebound Hammer Test	IS 13311 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	SYNERGY TESTING HOUSE, PLOT NO. 97 (BASEMENT), LION TOWER, ELEGANT ESTATE, KOLAR ROAD, BHOPAL, MADHYA PRADESH, INDIA		
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
12	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Rebound Hammer Test	Rebound Hammer Test	IS 516 (Part - 5, Sec. - 4)
13	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Ultrasonic Pulse Velocity	Ultrasonic Pulse Velocity	IS 516 (Part 5, Sec 1)