National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MANGLAM CONSULTANCY SERVICES, 'VALLABHKRUPA', ELLORA PARK, SUBHANPURA ROAD, VADODARA, GUJARAT, 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	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride content	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH Value	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse & FIne)	Sulphate (SO3)	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Aggregates (Coarse & Fine)	Water Soluble Chloride (CL)	IS 14959 Part 2
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Calicum Oxide (CaO)	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Alumina (Al2O3)	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Insolubale Residue	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Iron Oxide (Fe2O3)	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Loss of Ingniation	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Mangesia (MgO)	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Silica (SiO2)	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Sulphuric Anhydride as Sulphite(SO3)	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Tiles -Ceramic/Vitrified (Glazed)	Resistance to acid and Alkalies	IS 13630 Part 8
17	CHEMICAL- BUILDING MATERIAL	Tiles- Ceramic/Vitrified (Glazed)	Resistance to house hold chemicals & swimming pool salts	IS 13630 Part 8
18	CHEMICAL- BUILDING MATERIAL	Tiles- Ceramic/Vitrified (Glazed)	Resistance to Staining	IS 13630 Part 8

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19	CHEMICAL- BUILDING MATERIAL	Tiles- Ceramic/Vitrified (Unglazed)	Resistance to acid and Alkalies	IS 13630 Part 7
20	CHEMICAL- BUILDING MATERIAL	Tiles- Ceramic/Vitrified (Unglazed)	Resistance to house hold chemicals & swimming pool salts	IS 13630 Part 7
21	CHEMICAL- BUILDING MATERIAL	Tiles- Ceramic/Vitrified (Unglazed)	Resistance to staining	IS 13630 Part 7
22	CHEMICAL- METALS & ALLOYS	Low alloy steel	Carbon	IS 8811
23	CHEMICAL- METALS & ALLOYS	Low Alloy steel	Phosphorus	IS 8811
24	CHEMICAL- METALS & ALLOYS	Low Alloy steel	Sulphur	IS 8811
25	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 3025 P22
26	CHEMICAL- WATER	Water for construction purpose	Alkalinity	IS 3025 P23
27	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 P32
28	CHEMICAL- WATER	Water for construction purpose	Inorganic Solid	IS 3025 P18
29	CHEMICAL- WATER	Water for construction purpose	Organic Solid	IS 3025 P18
30	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 P11
31	CHEMICAL- WATER	Water for construction purpose	Sulphates	IS 3025 P24
32	CHEMICAL- WATER	Water for construction purpose	Suspended Solid	IS 3025 P17
33	CHEMICAL- WATER	Water for construction purpose	Total Dissolved Solids (TDS)	IS 3025 P16
34	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compressive Strength	IS 6441 P5
35	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Density	IS 6441 P1
36	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Drying Shrinkage	IS 6441 P2
37	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206
38	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
39	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematics Viscosity	IS 1206
40	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in trichloroethylene	IS 1216

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41	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
42	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Stripping Value	IS6241
43	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Viscosity Ratio	IS 1206
44	MECHANICAL- BUILDINGS MATERIALS	Bitumen Concrete (DBM,BM,SDBC,BC)	Binder Content	IRC SP11
45	MECHANICAL- BUILDINGS MATERIALS	Bitumen Concrete (DBM,BM,SDBC,BC)	Density	ASTM D2726
46	MECHANICAL- BUILDINGS MATERIALS	Bitumen Concrete (DBM,BM,SDBC,BC)	Flow Test	ASTM D 6927
47	MECHANICAL- BUILDINGS MATERIALS	Bitumen Concrete (DBM,BM,SDBC,BC)	Marshal Stability	ASTM D 6927
48	MECHANICAL- BUILDINGS MATERIALS	Bitumen Concrete (DBM,BM,SDBC,BC)	Theoretical maximum specific gravity	ASTM D2041
49	MECHANICAL- BUILDINGS MATERIALS	Bitumen, modified bitumen	Flash Point	IS 1209
50	MECHANICAL- BUILDINGS MATERIALS	Bitumen, modified bitumen	Penetration	IS 1203
51	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen	Softening Point	IS 1205
52	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	ITS	ASTMD6931
53	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly Ash Bricks	Compressive Strength	IS 3495 P1
54	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly Ash Bricks	Efflorescence	IS 3495 P3
55	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly Ash Bricks	Water Absorption	IS 3495 P2
56	MECHANICAL- BUILDINGS MATERIALS	Brick Clay Bricks	Dimension Height	IS 1077
57	MECHANICAL- BUILDINGS MATERIALS	Brick Clay Bricks	Dimension Length	IS 1077
58	MECHANICAL- BUILDINGS MATERIALS	Brick Clay Bricks	Dimension Width	IS 1077
59	MECHANICAL- BUILDINGS MATERIALS	Brick Fly Ash Bricks	Dimension Length	IS 12894

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60	MECHANICAL- BUILDINGS MATERIALS	Bricks Fly Ash Bricks	Dimension Height	IS 12894
61	MECHANICAL- BUILDINGS MATERIALS	Bricks Fly Ash Bricks	Dimension Width	IS 12894
62	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC)	Density	IS 4031 P11
63	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC), GGBS	Soundness by Le- Chatilier method	IS 4031 P3
64	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC), GGBS	Compressive Strength	IS 4031 P6
65	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC), GGBS	Final Setting Time	IS 2386 P5
66	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC), GGBS	Initial Setting Time	IS 4031 P5
67	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC), GGBS, Fly ash	Fineness by Blain's Method	IS 4031 P2
68	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC), GGBS	Consistency	IS 4031 P4
69	MECHANICAL- BUILDINGS MATERIALS	Cementitous material	Flow Cone	ASTM C 939
70	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine Aggregate	Alkali Aggregate Test (Bar Method)	IS 2386 P7
71	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS 2386 P2
72	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by MgSo4	IS 2386 P5
73	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by Na2So4	IS 2386 P5
74	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast	10% Fine Value	IS 2386 P4
75	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast	Bulk Density	IS 2386 P4
76	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast	Deleterious Material	IS 2386 P2
77	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast	Elongation Index	IS 2386 P1
78	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast	Flakiness Index	IS 2386 P1

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79	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast	Impact Value	IS 2386 P4
80	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast	Petrographic Examination	IS 2386 P8
81	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast	Sieve analysis of Coarse Aggregate 90.0 mm-4.75mm	IS 2386 P1
82	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Crushing Value	IS 2386 P4
83	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast, Blanketing material	Los Angeles Abrasion Value	IS 2386 P4
84	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast,GSB,WMM	Specific Gravity	IS 2386 P3
85	MECHANICAL- BUILDINGS MATERIALS	Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast,GSB,WMM	Water Absorption	IS 2386 p3
86	MECHANICAL- BUILDINGS MATERIALS	Concrete (Hardened), Cube, Cylinder, Core, Beam	Compressive Strength	IS 516 part 1 Section 1
87	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Abrasion Resistance	IS 15658
88	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Flexural Strength	IS 15658
89	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Split Tensile Test	IS 15658
90	MECHANICAL- BUILDINGS MATERIALS	Concrete Pavers Blocks	Compressive Strength	IS 15658
91	MECHANICAL- BUILDINGS MATERIALS	Concrete Pavers Blocks	Dimensions- Length	IS 15658
92	MECHANICAL- BUILDINGS MATERIALS	Concrete Pavers Blocks	Dimensions Thickness	IS 15658
93	MECHANICAL- BUILDINGS MATERIALS	Concrete Pavers Blocks	Dimensions Width	IS 15658
94	MECHANICAL- BUILDINGS MATERIALS	Concrete Pavers Blocks	Plan area	IS 15658
95	MECHANICAL- BUILDINGS MATERIALS	Concrete Pavers Blocks	Water Absorption	IS 15658
96	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Coagulation of Emulsion at low temperature	IS 8887
97	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Ductility	IS 8887

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98	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Miscibility with water	IS 8887
99	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Particle charge	IS 8887
100	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Penetration on Residue	IS 8887
101	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Residue by evaporation	IS 8887
102	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Residue on 600 Micron sieve	IS 8887
103	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Saybolt Furol Viscosity	IS 3117
104	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Solubility in trichloroethylene	IS 8887
105	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Storage stability after 24 hour	IS 8887
106	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	IS 2386 P2
107	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by MgSo4	IS 2386 P5
108	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Na2So4	IS 2386 p5
109	MECHANICAL- BUILDINGS MATERIALS	Fine, Stone dust, Sand, Crusher dust, Binding & Screening material	Bulk Density	IS 2386 P3
110	MECHANICAL- BUILDINGS MATERIALS	Fine, Stone dust, Sand, Crusher dust, Binding & Screening material	Deleterious Material	IS 2386 P2
111	MECHANICAL- BUILDINGS MATERIALS	Fine, Stone dust, Sand, Crusher dust, Binding & Screening material	Material finer than 75 micron	IS 2386 P1
112	MECHANICAL- BUILDINGS MATERIALS	Fine, Stone dust, Sand, Crusher dust, Binding & Screening material	Petrographic Examination	IS 2386 P8
113	MECHANICAL- BUILDINGS MATERIALS	Fine, Stone dust, Sand, Crusher dust, Binding & Screening material	Sieve analysis 150 µ – 10 mm	IS 2386 P1
114	MECHANICAL- BUILDINGS MATERIALS	Fine, Stone dust, Sand, Crusher dust, Binding & Screening material	Specific Gravity	IS 2386 P3
115	MECHANICAL- BUILDINGS MATERIALS	Fine, Stone dust, Sand, Crusher dust, Binding & Screening material	Water Absorption	IS 2386 P3
116	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/Glazed/Vitrified)	Breaking Strength	IS 13630 P6

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117	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/Glazed/Vitrified)	Dimensions Length	IS 13630 P1
118	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/Glazed/Vitrified)	Dimensions Thickness	IS 13630 P1
119	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/Glazed/Vitrified)	Dimensions Width	IS 13630 P1
120	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/Glazed/Vitrified)	Modulus of Rupture	IS 13630 P6
121	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/Glazed/Vitrified)	Rectangularity	IS 13630 P1
122	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/Glazed/Vitrified)	Straightness	IS 13630 P1
123	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/Glazed/Vitrified)	Water Absorption	IS 13630 P2
124	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
125	MECHANICAL- BUILDINGS MATERIALS	Fly ash, Silica Fume	Residue on 45 micron Sieve	IS1727
126	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Air Content	IS 1199 P4
127	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Bleeding Test	IS 9103
128	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Density	IS 1199 P3
129	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Final Setting Time	IS 1199 P7
130	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Flow	IS 1199 P2
131	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Initial Setting Time	IS 1199 P7
132	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199 P2
133	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Slag Activity Index	IS 4031 P6
134	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Drying Shrinkage	IS 516 P6
135	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive strength by ACT Method	IS 9013

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136	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Depth of Penetration of water under pressure	BS EN 12390-8
137	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Depth of Penetration of water under pressure	DIN1048 P-5
138	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Depth of Penetration of water under pressure	IRS Concrete Bridge Code
139	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Depth of Penetration of water under pressure	IS 516 P2 Section 1
140	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	IS 516 P1
141	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	RCPT	ASTM C1202
142	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Split Tensile Strength	IS 516 P1 Section 1
143	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Elastic Recovery	IS 15462
144	MECHANICAL- BUILDINGS MATERIALS	Pozzolana (Fly ash/GGBS, Fuel Ash, Bottom ash, Micro silica	Compressive Strength	IS 1727
145	MECHANICAL- BUILDINGS MATERIALS	Pozzolana (Fly ash/GGBS, Fuel Ash, Bottom ash, Micro silica	Consistency	IS 1727
146	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/Structural Steel	Bend Test	IS 1599
147	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/Structural Steel	Elongation	IS 1608
148	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/Structural Steel	Mass per meter	IS 1786
149	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/Structural Steel	Re Bend Test	IS 1599
150	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/Structural Steel	Tensile Strength	IS 1608
151	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/Structural Steel	Yield Stress	IS 1608
152	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
153	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
154	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1124

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155	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
156	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 1124
157	MECHANICAL- SOIL AND ROCK	Rock	Water content	IS 13030
158	MECHANICAL- SOIL AND ROCK	Soil	Classification	IS 1498
159	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Cc	IS 2720 P 15
160	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Pc	IS 2720 P15
161	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 P40
162	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis 0.075 mm – 4.75 mm	IS 2720 P4
163	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Hydrometer Analysis) 75µ – 2 µm	IS 2720 P4
164	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - MDD	IS 2720 P7
165	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - OMC	IS 2720 P7
166	MECHANICAL- SOIL AND ROCK	Soil	Permeability	IS 2720 P17
167	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 P6
168	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 P41
169	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Consolidated drained CD C	IS 2720 P12
170	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Consolidated drained CD Ø	IS 2720 P 12
171	MECHANICAL- SOIL AND ROCK	Soil	Triaxial consolidated undrained CU C	IS 2720 P12
172	MECHANICAL- SOIL AND ROCK	Soil	Triaxial consolidated undrained CU Ø	IS 2720 P12

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173	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear - Cohesion	IS 2720 P11
174	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear - ø	IS 2720 P11
175	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Comressive Strength	IS 2720 P10
176	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Oven Drying method	IS 2720 P2
177	MECHANICAL- SOIL AND ROCK	Soil, Refill material	Direct Shear Test ø	IS 2720 P13
178	MECHANICAL- SOIL AND ROCK	Soil, Blanketing Material	Specific Gravity	IS 2720 P3 Section 1
179	MECHANICAL- SOIL AND ROCK	Soil, GSB	Relative Density	IS 2720 P14
180	MECHANICAL- SOIL AND ROCK	Soil, GSB, Blanketing , Refill material	Plasticity index	IS 2720 P5
181	MECHANICAL- SOIL AND ROCK	Soil, GSB, Blanketing material, Refill material	Liquid Limit	IS 2720 P5
182	MECHANICAL- SOIL AND ROCK	Soil, GSB, Blanketing material, Refill material	Plastic Limit	IS 2720 P5
183	MECHANICAL- SOIL AND ROCK	Soil, GSB, WMM, Blanketing Material, Refill material	Heavy Compaction - MDD	IS 2720 P8
184	MECHANICAL- SOIL AND ROCK	Soil, GSB, WMM, Blanketing Material, Refill material	Heavy Compaction - OMC	IS 2720 P 8
185	MECHANICAL- SOIL AND ROCK	Soil, Refill material	Direct Shear Test C	IS 2720 P13
186	MECHANICAL- SOIL AND ROCK	Soil,GSB,Blanketing Material	California Bearing Ratio	IS 2720 P16
187	MECHANICAL- SOIL AND ROCK	Soil/Caly/Bentonite	Marsh Funnel Viscosity	ASTM D 6910

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Validity 09/07/2022 to 08/07/2024 **Last Amended on** 22/12/2022

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
Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete	Benkelmen Beam Deflection test	IRC 81
2	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete	Roughness Index	IRC SP16
3	MECHANICAL- BUILDINGS MATERIALS	Bridge	Bridge Load Test Deflection	IRC SP 51
4	MECHANICAL- BUILDINGS MATERIALS	Flexible Pavement	F.W.D. Test Deflection	IRC 115
5	MECHANICAL- BUILDINGS MATERIALS	Flexible pavement	F.W.D. Test Load	IRC 115
6	MECHANICAL- BUILDINGS MATERIALS	Retro Reflective sign boards	Co-efficient of Retro-reflection	ASTM D4956
7	MECHANICAL- BUILDINGS MATERIALS	Rigid Pavement	F.W.D. Test Deflection	IRC 117
8	MECHANICAL- BUILDINGS MATERIALS	Rigid Pavement	F.W.D. Test Load	IRC 117
9	MECHANICAL- SOIL AND ROCK	Modulus of subgrade reaction	EV2 Deflection	DIN 18134
10	MECHANICAL- SOIL AND ROCK	Soil	Dry Density (Core cutting Method)	IS 2720 P 29
11	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Rapid moisture meter	IS 2720 P2
12	MECHANICAL- SOIL AND ROCK	Soil & Rock	California Bearing Ratio (CBR)	IS 2720 P31
13	MECHANICAL- SOIL AND ROCK	Soil & Rock	Dynamic cone penetration test (at 63 blows)	IS 4968 P1&2
14	MECHANICAL- SOIL AND ROCK	Soil & Rock	Load test on piles - Compression	IS 2911 P4
15	MECHANICAL- SOIL AND ROCK	Soil & Rock	Load test on piles - Lateral	IS 2911 P4
16	MECHANICAL- SOIL AND ROCK	Soil & Rock	Load test on piles - Pull Out	IS 2911 P4
17	MECHANICAL- SOIL AND ROCK	Soil & Rock	Modulus of Sub grade Reaction (K-value)	IS 9214
18	MECHANICAL- SOIL AND ROCK	Soil & Rock	Plate load test	IS 1888

SCOPE OF ACCREDITATION

Laboratory Name : MANGLAM CONSULTANCY SERVICES, 'VALLABHKRUPA', ELLORA PARK, SUBHANPURA ROAD, VADODARA, GUJARAT, INDIA

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19	MECHANICAL- SOIL AND ROCK	Soil & Rock	Pull-out test on anchor bars and rock bolts	IS 11309
20	MECHANICAL- SOIL AND ROCK	Soil & Rock	Standard Penetration test	IS 2131
21	MECHANICAL- SOIL AND ROCK	Soil, GSB, WMM	Dry Density (Sand Replacement Method)	IS 2720 P 28
22	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete pile	High-Strain Dynamic Testing	ASTM D4945
23	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Pile	Low strain impact integrity testing of pile	ASTM D5882
24	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Concrete Surface Crack Depth	IS 516 P5 Section 1
25	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Depth of Carbonation	IS 516 P5 Section 3
26	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Depth of Concrete Cover	BS 1881 P 204
27	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell Potential difference	ASTM C 876
28	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer Test	IS 516 P5 Section 4
29	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 P5 Section 1