National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AQUA LAB ALL BUILDING MATERIAL TESTING PRIVATE LIMITED, GALA NO. 2, J.D ESTATE, MIRA ROAD EAST, THANE, BHYANDER, MAHARASHTRA, 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
Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Building lime	Calcium Oxide (CaO)	IS 6932 Part-1
7	CHEMICAL- BUILDING MATERIAL	Building Lime	Combined Alumina And Ferric Oxide	IS 6932 Part-1
8	CHEMICAL- BUILDING MATERIAL	Building Lime	Insoluble Matter	IS 6932 Part-1
9	CHEMICAL- BUILDING MATERIAL	Building Lime	Insoluble Residue	IS 6932 Part-1
10	CHEMICAL- BUILDING MATERIAL	Building Lime	Loss On Ignition	IS 6932 Part-1
11	CHEMICAL- BUILDING MATERIAL	Building Lime	Magnesia (MgO)	IS 6932 Part-1
12	CHEMICAL- BUILDING MATERIAL	Building Lime	Silica (SiO2)	IS 6932 Part-1
13	CHEMICAL- BUILDING MATERIAL	Cementitious Grout	Chloride Content	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cementitious Grout	Na2O	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cementitious Grout	Silica	IS 1727
16	CHEMICAL- BUILDING MATERIAL	Cemnetitious Grout	Sulphate Content	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reacitivity-(a)Reduction in alkalinity(RC)	IS 2386 Part 7
18	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity -(b)Silica Released(SC)	IS 2386 Part 7

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19	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Chloride	BS EN1744-1/ IS 14959 Part 1
20	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Sulphate	BS EN 1744-1
21	CHEMICAL- BUILDING MATERIAL	Concrete	Chloride	BS 1881 Part-124
22	CHEMICAL- BUILDING MATERIAL	Concrete	Sulphate	IS 1881 Part-124
23	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity- a)Reduction in Alkalinity (RC)	IS 2386 Part 7
24	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity- b)Silica reduction	IS 2386 Part 7
25	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Chloride	BS EN 1744-1/IS 14959 Part 1
26	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impurities	IS 2386 Part 2
27	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Sulphate	BS EN 1744-1
28	CHEMICAL- BUILDING MATERIAL	Fly Ash	Alumina (Al2O3)	IS 1727
29	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide (CaO)	IS 1727
30	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride	IS 4032
31	CHEMICAL- BUILDING MATERIAL	Fly Ash	Ferric Oxide (Fe2o3)	IS 1727
32	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss On Ignition	Is 1727
33	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia (MgO)	IS 1727
34	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica (SiO2)	IS 1727
35	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride (SO3)	IS 1727
36	CHEMICAL- BUILDING MATERIAL	Fly Ash	Total Alkalies as Na2O	IS 3812 Part-2
37	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Alumina	IS 4032

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38	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Calcium Oxide (CaO)	IS 4032
39	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Chloride	IS 4032
40	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Insoluble Residue	IS 4032
41	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Loss On Ignition	IS 4032
42	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Magnesia	IS 4032
43	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Manganic Oxide (MnO)	IS 4032
44	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Moisture Content	IS 16714
45	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Sulphuric Anhydride (SO3)	IS 4032
46	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Calcium Oxide(CaO)	IS 1288
47	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Combined Water	IS 1288
48	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Free lime	IS 2547 Part1
49	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Free Water	IS 1288
50	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Iron & Aliminium Oxide	IS 1288
51	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Loss on ignition	IS 2547 Part 1
52	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Magnesium Salt	IS 2547 Part 1
53	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Silica &Acid Insoluble	IS 1288
54	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Sodium Oxide	IS 2547 Part 1
55	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Sulphur Trioxide	IS 1288
56	CHEMICAL- BUILDING MATERIAL	Microsilica / Silica Fumes	Loss On Ignition	IS 1727

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57	CHEMICAL- BUILDING MATERIAL	Microsilica / Silica Fumes	Moisture Content	IS 15388
58	CHEMICAL- BUILDING MATERIAL	Microsilica / Silica Fumes	Silica (SiO2)	IS 1727
59	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Alumina(Al2O3)	IS 4032
60	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Calcium Oxide(CaO)	IS 4032
61	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Chloride	IS 4032
62	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Ferric Oxide(Fe2O3)	IS 4032
63	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Insoluble Residue	IS 4032
64	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Loss on Ignition	IS 4032
65	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Magnesia (MgO)	Is 4032
66	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Silica(SiO2)	IS 4032
67	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Sulphuric Anhydride(SO3)	IS 4032
68	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Total Alkalis as Na2O	IS 4032
69	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Ferric Oxide(Fe2O3)	IS 4032
70	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Alkalies as Na2O	IS 4032
71	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Calcium Oxide (CaO)	IS 4032
72	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Magnesia (MgO)	IS 4032
73	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Sulphuric Anhydride	IS 4032
74	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement(PSC)	Alumina (Al2O3)	IS 4032
75	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement(PSC)	Insoluble Residue	IS 4032

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76	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement(PSC)	Loss On Ingnition	IS 4032
77	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement(PSC)	Silica (SiO2)	IS 4032
78	CHEMICAL- BUILDING MATERIAL	Pozzolana Portland Cement (PPC)	Calcium Oxide (CaO)	IS 4032
79	CHEMICAL- BUILDING MATERIAL	Pozzolana Portland Cement (PPC)	Chloride	IS 4032
80	CHEMICAL- BUILDING MATERIAL	Pozzolana Portland Cement (PPC)	Insoluble Residue	IS 4032
81	CHEMICAL- BUILDING MATERIAL	Pozzolana Portland Cement (PPC)	Loss On Ignition	IS 4032
82	CHEMICAL- BUILDING MATERIAL	Pozzolana Portland Cement (PPC)	Magnesia(MgO)	IS 4032
83	CHEMICAL- BUILDING MATERIAL	Pozzolana Portland Cement (PPC)	Suyphuric Anhydride (SO3)	IS 4032
84	CHEMICAL- BUILDING MATERIAL	Pozzolana Portland Cement (PPC)	Total Alkalies as Na2O	IS 4032
85	CHEMICAL- BUILDING MATERIAL	Soil	Chloride	BS 1377 Part 3
86	CHEMICAL- BUILDING MATERIAL	Soil	Organic Matter	IS 2720 Part 22
87	CHEMICAL- BUILDING MATERIAL	Soil	pH	IS 2720 Part-26
88	CHEMICAL- BUILDING MATERIAL	Soil	Sulphate (SO3)	IS 2720 Part-27
89	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 Part-32
90	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 Part-46
91	CHEMICAL- WATER	Drinking Water	pH	IS 3025 Part-11
92	CHEMICAL- WATER	Drinking Water	Sulphate(SO4)	IS 3025 Part-24
93	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS 3025 Part-23
94	CHEMICAL- WATER	Drinking Water	Total Dissolved Solid	IS 3025 Part-16
95	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 Part-21
96	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 Part-10
97	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 3025 Part-22
98	CHEMICAL- WATER	Water for construction purpose	Alkanity	IS 3025 Part-23

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99	CHEMICAL- WATER	Water for construction purpose	Calcium as Ca	IS 3025 Part-40
100	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 Part-32
101	CHEMICAL- WATER	Water for construction purpose	Inorganic Solid(Fixed Residue)	IS 3025 Part-18
102	CHEMICAL- WATER	Water for construction purpose	Organic Solid(Volatile Residue)	IS 3025 Part-18
103	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 Part-11
104	CHEMICAL- WATER	Water for construction purpose	Sulphate(SO3)	IS 3025 Part-24
105	CHEMICAL- WATER	Water for construction purpose	Total Dissolved Solid	IS 3025 Part-16
106	CHEMICAL- WATER	Water for construction purpose	Total suspended Matter	IS 3025 Part-17
107	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Block	Dimension (Width)	IS 2185 PART 3
108	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Block	COMPRESSIVE STRENGTH	IS 6441 PART 5
109	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Block	Dimension (Length)	IS 2185 PART 3
110	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Block	Dimension (Thickness)	IS 2185 PART 3
111	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Block	DRY DENSITY	IS 6441 PART 1
112	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Block	MOISTURE CONTENT	IS 6441 PART 1
113	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICK/FLY ASH BRICK	Dimension (Height)	IS 1077
114	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICK/FLY ASH BRICK	Dimension (Width)	IS 1077
115	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICK/FLY ASH BRICK	COMPRESSIVE STRENGTH	IS 3495
116	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICK/FLY ASH BRICK	Dimension (Length)	IS 1077
117	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICK/FLY ASH BRICK	EFFLORESCENCE	IS 3495 PART 3
118	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICK/FLY ASH BRICK	WATER ABSORPTION	IS 3495 PART 2
119	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4032 Part 6
120	MECHANICAL- BUILDINGS MATERIALS	Cement	Drying Shrinkage	IS 4031Part 10

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121	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031Part 5
122	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaines Method	IS 4031Part 2
123	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 Part 5
124	MECHANICAL- BUILDINGS MATERIALS	Cement	Normal Consistency	IS 4031 Part 4
125	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Autoclave	IS 4031 Part 3
126	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness Test by Le-Chatelier's	IS 4031 Part 3
127	MECHANICAL- BUILDINGS MATERIALS	Cement	Specific Gravity	IS 4031 Part 11
128	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	ABRASION TEST	IS 13630 PART-11 & PART-12)
129	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	BREAKING STRENGTH	IS 13630 PART-6
130	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	CURVATURE	IS 13630 PART-1
131	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	Dimension (Length)	IS 13630 PART-1
132	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	Dimension (Thickness)	IS 13630 PART 1:2006
133	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	Dimension (Width)	IS 13630 PART-1
134	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	MODULUS OF RUPTURE	IS 13630 PART 6
135	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	RECTANGULARITY	IS 13630 PART 1
136	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	SCRATCH HARDNESS	IS 13630 PART-13
137	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	STRAIGHTNESS	IS 13630 PART 1
138	MECHANICAL- BUILDINGS MATERIALS	CERAMIC TILE/VITRIFIED TILE/GLAZED / UNGLAZED	WARPAGE	IS 13630 PART-1
139	MECHANICAL- BUILDINGS MATERIALS	CHEQUERED CEMENT CONCRETE	WATER ABSORPTION	IS 13801

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140	MECHANICAL- BUILDINGS MATERIALS	CHEQUERED CEMENT CONCRETE	WET TRANSVERSE STRENGTH	IS 13801
141	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	CRUSHING VALUE	IS 2386 PART-4
142	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	10% FINE VALUE	IS 2386 PART 4
143	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	ABRASION VALUE	IS 2386 PART-4
144	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	BULK DENSITY	IS 2386 PART 3
145	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	ELONGATION INDEX	IS 2386 PART 1
146	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	FINER THAN 75 MICRON	IS 2386 PART-1
147	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	FLAKINESS INDEX	IS 2386 PART-1
148	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	IMPACT VALUE	IS 2386 PART-4
149	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	SIEVE ANALYSIS (Sieve size 4.75 mm to 40 mm)	IS 2386 PART1
150	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	Soundness by Sodium Sulphate(Na2SO4)	IS 2386 Part 5
151	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	SPECIFIC GRAVITY	IS 2386 PART-3
152	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	WATER ABSORPTION	IS 2386 PART-3
153	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Material-a)Coal & Lignite	IS 2386 Part 2
154	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Material-b)Material finer than 75 micron sieve	IS 2386 Part 2
155	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Material-c)Soft Particle	IS 2386 Part 2
156	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Material-d}Clay Lumps	IS 2386 Part 2
157	MECHANICAL- BUILDINGS MATERIALS	CONCRETE	COMPRESSIVE STRENGTH	IS 516 (Part 1/Sec 1)
158	MECHANICAL- BUILDINGS MATERIALS	Concrete	Modulus of Elasticity (E Value)	IS 456

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159	MECHANICAL- BUILDINGS MATERIALS	Concrete	Rapid Chloride Migration Test	NT Build 492
160	MECHANICAL- BUILDINGS MATERIALS	Concrete	Rapid Chloride Permeability Test	ASTM C1202
161	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 : Part 4
162	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 : Part 1 : Sec 1
163	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive strength by accelerated cured concrete test	IS 9013
164	MECHANICAL- BUILDINGS MATERIALS	concrete cube	DEPTH OF PENETRATION OF WATER UNDER PRESSURE	BS EN 12390 IS 516 (Part 2 Section 1)
165	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Initial Surface Absorption Test	BS1881 Part 208
166	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Water Absorption	BS 1881 Part 122
167	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube/Cylinder	Split Tensile Strength	IS 5816
168	MECHANICAL- BUILDINGS MATERIALS	Concrete Prism	Drying Shrinkage	IS 516 : Part 6
169	MECHANICAL- BUILDINGS MATERIALS	Concrete Prism	Moisture Movement	IS 516 Part 6
170	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate(Na2SO4)	IS 2386 Part 5
171	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	BULK DENSITY	IS 2386 PART 3
172	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	BULKAGE	IS 2386 PART 3
173	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Material a) Coal & Lignite	IS 2386 Part-2
174	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Material b) Material Finer Than 75 micron IS seive	IS 2386 Part-2
175	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Material c) Soft Particle	IS 2386 Part-2
176	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Material d)Clay Lumps	IS 2386 Part-2

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177	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	FINER THAN 75 MICRON	IS 2386 PART 1
178	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	SIEVE ANALYSIS (Sieve size 150 microns to 4.75 mm)	IS 2386 PART 1
179	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	SPECIFIC GRAVITY	IS 2386 PART 3
180	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	WATER ABSORPTION	IS 2386 PART 3
181	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
182	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness	IS 1727
183	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
184	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle Retained on 45micron	IS 1727
185	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave	IS 1727
186	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
187	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Fineness by 45 micron	ASTM C 989
188	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Fineness by blaines	IS 16714
189	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Slag Activity Index	IS 16714
190	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Bulk Density	ASTMC1240
191	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Compressive Strength	IS 15388
192	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Percent on 45 micron IS sieve	IS 15388
193	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Percentage Retained on 45 micron IS sieve	ASTM C 1240
194	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCKS	COMPRESSIVE STRENGTH	IS 15658
195	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCKS	WATER ABSORPTION	IS 15658

SCOPE OF ACCREDITATION

Laboratory Name :	AQUA LAB ALL BUILDING MATERIAL TESTING PRIVATE LIMITED, GALA NO. 2, J.D ESTATE, MIRA ROAD EAST, THANE, BHYANDER, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-8816
Validity	25/07/2022 to 24/07/2024

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
196	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCK	COMPRESSIVE STRENGTH	IS 2185 PART 1
197	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCK	Dimension (Height)	IS 2185 PART 1:2005
198	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCK	Dimension (Length)	IS 2185 PART 1
199	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCK	Dimension (Width)	IS 2185 PART 1:2005
200	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCK	DRY DENSITY	IS 2185 PART 1
201	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Coupler/Spliced Joint	Ultimate Tensile Strength	IS 1608 Part 1
202	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT STEEL	0.2% Proof Stress	IS 1608 PART 1
203	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT STEEL	BEND TEST	IS 1599
204	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT STEEL	PERCENTAGE ELONGATION	IS 1608 PART 1
205	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT STEEL	Re-bend test	IS 1786
206	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT STEEL	ULTIMATE TENSILE STRENGTH	IS 1608 PART 1
207	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT STEEL	WEIGHT PER METER	IS 1786
208	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT STEEL	Yield Stress	IS 1608 Part 1
209	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Reduction in Area	IS 1608 Part 1
210	MECHANICAL- SOIL AND ROCK	Granular Sub Base (GSB)/Wet Mix Macadam (WMM)	Water Absorption	IS 2386 Part 3

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211	MECHANICAL- SOIL AND ROCK	Granular Sub Base (GSB)/Wet Mix Maxadam(WMM)	Ten Percent Fine Value	IS 2386 Part4
212	MECHANICAL- SOIL AND ROCK	Granular Sub Base /Wet Mix Macadam	Liquid Limit Test	IS 2720 Part 5
213	MECHANICAL- SOIL AND ROCK	Granular Sub Base(GSB)/Wet Mix Macadam(WMM)	Aggregate Impact Value	IS 2386 Part 4
214	MECHANICAL- SOIL AND ROCK	Granular Sub Base(GSB)/Wet Mix Macadam(WMM)	CBR test	IS 2720 Part 16
215	MECHANICAL- SOIL AND ROCK	Granular Sub Base(GSB)/Wet Mix Macadam(WMM)	Maximum Dry Density	IS 2720 Part 8
216	MECHANICAL- SOIL AND ROCK	Granular Sub Base(GSB)/Wet Mix Macadam(WMM)	Optimum Moisture Content	IS 2720 Part 8
217	MECHANICAL- SOIL AND ROCK	Granular Sub Base(GSB)/Wet Mix Macadam(WMM)	Plastic Limit	IS 2720 Part 5
218	MECHANICAL- SOIL AND ROCK	Granular Sub Base(GSB)/Wet Mix Macadam(WMM)	Sieve Analysis (Sieve size 75 microns to 75 mm)	IS 2386 Part 1
219	MECHANICAL- SOIL AND ROCK	Rock	Density	13030
220	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
221	MECHANICAL- SOIL AND ROCK	Rock	Specific gravity	IS 13030
222	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
223	MECHANICAL- SOIL AND ROCK	Rock	Water Content	Is 13030
224	MECHANICAL- SOIL AND ROCK	SOIL	CALIFORNIA BEARING RATIO (SOAKED)	IS 2720 PART 16
225	MECHANICAL- SOIL AND ROCK	SOIL	DIRECT SHEAR STRENGTH	IS 2720 PART 13
226	MECHANICAL- SOIL AND ROCK	SOIL	DIRECT SHEAR STRENGTH-ANGLE OF FRICTION	IS 2720 PART 13
227	MECHANICAL- SOIL AND ROCK	SOIL	FREE SWELL INDEX	IS 2720 PART 40
228	MECHANICAL- SOIL AND ROCK	SOIL	HAEAVY COMPACTION (OMC)	IS 2720 PART 8
229	MECHANICAL- SOIL AND ROCK	SOIL	HEAVY COMPACTION (MDD)	IS 2720 PART 8

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230	MECHANICAL- SOIL AND ROCK	SOIL	LIGHT COMPACTION (OMC)	IS 2720 PART-7
231	MECHANICAL- SOIL AND ROCK	SOIL	LIGHT COMPACTION(MDD)	IS 2720 PART-7
232	MECHANICAL- SOIL AND ROCK	SOIL	LIQUID LIMIT	IS 2720 PART-5
233	MECHANICAL- SOIL AND ROCK	SOIL	MOISTURE CONTENT	IS 2720 PART-2
234	MECHANICAL- SOIL AND ROCK	SOIL	PLASTIC LIMIT	IS 2720 PART-5
235	MECHANICAL- SOIL AND ROCK	SOIL	SIEVE ANALYSIS (Sieve size 75 microns to 75 mm 4)	IS 2720 PART-4
236	MECHANICAL- SOIL AND ROCK	SOIL	SPECIFIC GRAVITY	IS 2720 PART-3 SECTION 1
237	MECHANICAL- SOIL AND ROCK	SOIL	UNCONFINED COMPRESSION	IS 2720 PART 10

National Accreditation Board for Testing and Calibration Laboratories

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Site Facility				
1	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Silica(SiO2)	IS 4032
2	CHEMICAL- WATER	Drinking Water	Sulphate(SO4)	IS 3025 Part-24
3	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
4	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	CONCRETE	CARBONATION DEPTH	BS EN14630
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	CONCRETE	REBOUND HAMMER	IS 516 PART-5/SECTION-4
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	CONCRETE	ULTRASONIC PULSE VELOCITY	IS 516 PART-5/ SECTION-1
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	PILE	LOW STRAIN PILE INTEGRITY	ASTM D5882
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete (RCC)	COVER DEPTH	BS 1881 (PART- 204)
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete (RCC)	HALF CELL POTENTIAL	ASTM C876