



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

AAKAR ABHINAV CONSULTANTS PRIVATE LIMITED, KUKREJA CENTRE,
PLOT NO 13, SECTOR 11, CBD BELAPUR, NAVI MUMBAI, MAHARASHTRA,
INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8663

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Validity 26/09/2025 to 25/09/2029

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
Permanent Testing				
1	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Compressive Strength	IS 15658
2	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Dimension - Length	IS 15658
3	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Water Absorption	IS 15658
4	MECHANICAL- BUILDINGS MATERIALS	fine aggregate	Specific gravity(fine aggregate)	IS 2386 (part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension - Length	IS 13757
6	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Softening Point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity @ 60°C	IS 1206: Part 2
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity of Bitumen	IS 1202
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen emulsion	Residue by sieving through 600-Micron IS Sieve	IS 8887 (Annexure B)
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability	IS 8887
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Ductility Test	IS 1208
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Elastic Recovery	IS 15462
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Penetration	IS 1203
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Softening Point	IS 1205
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Solubility in Trichloroethylene	IS 1216
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to mixing with Cement	IS 8887 (Annexure G)
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability after 24Hrs	IS 8887 (Annexure D)
19	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by Say bolt Furol Viscometer	IS 3117



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20	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Water Miscibility	IS 8887 (Annexure H)
21	MECHANICAL- BUILDINGS MATERIALS	Bitumen emulsion	Residue by Evaporation	IS 8887 (Annexure J)
22	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixtures	Bulk Specific Gravity	AASHTO 166
23	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixtures	Indirect Tensile (IDT) Strength of Asphalt Mixtures	ASTM D6931
24	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixtures	Marshall Stability Test	ASTM D6927
25	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixtures	Maximum Theoretical Specific Gravity	ASTM D2041
26	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixtures	Bitumen content	ASTM D 2172
27	MECHANICAL- BUILDINGS MATERIALS	Clay Brick	Dimension - Length	IS 1077
28	MECHANICAL- BUILDINGS MATERIALS	Clay Bricks	Dimension - Thickness	IS 1077
29	MECHANICAL- BUILDINGS MATERIALS	Clay Bricks	Dimension - Width	IS 1077
30	MECHANICAL- BUILDINGS MATERIALS	Clay Bricks, Fly Ash Bricks	Compressive Strength	IS 3495 (Part-1)
31	MECHANICAL- BUILDINGS MATERIALS	Clay Bricks, Fly Ash Bricks	Efflorescence	IS 3495 (Part:3)
32	MECHANICAL- BUILDINGS MATERIALS	Clay Bricks, Fly Ash Bricks	Water Absorption	IS 3495 (Part-2)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386(part-1)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness test with magnesium sulphate	IS 2386 PART-5
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Test	IS 6241
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fine Value	IS 2386 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	aggregate crushing value	IS 2386 (part 4)
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk density(loose and rodded)	IS 2386(part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness By Magnesium Sulphate	IS 2386 PART-5



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40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness By Sodium Sulphate	IS 2386 : Part 5
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386(part 3)
42	MECHANICAL- BUILDINGS MATERIALS	coarse Aggregate, GSB WMM	Aggregate Impact Value	IS 2386(part 4)
43	MECHANICAL- BUILDINGS MATERIALS	coarse Aggregate, GSB WMM	Water Absorption	IS 2386(part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate, GSB, WMM	Sieve Analysis (4.75 mm to 80 mm)	IS 2386(part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate, GSB,WMM	Flakiness Index	IS 2386(part-1)
46	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 Part 1 Sec 1
47	MECHANICAL- BUILDINGS MATERIALS	Concrete Chequered Tiles	Dimension - Length	IS 13801
48	MECHANICAL- BUILDINGS MATERIALS	Concrete Chequered Tiles	Dimension - Thickness	IS 13801
49	MECHANICAL- BUILDINGS MATERIALS	Concrete Chequered Tiles	Dimension - Width	IS 13801
50	MECHANICAL- BUILDINGS MATERIALS	Concrete Chequered Tiles	Water Absorption	IS 13801
51	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
52	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part-1/Sec-1)
53	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Dimension - Thickness	IS 15658
54	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Dimension - Width	IS 15658
55	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 microns	IS 2386 (Part 1)
56	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density(Loose and Rodded)	IS 2386(part 3)
57	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Particle Size and Shape (0.075 mm to 4.75 mm)	IS 2386(part 1)
58	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386(part 3)
59	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension - Thickness	IS 13757



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60	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension - Width	IS 13757
61	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Methylene Blue Test	ISSA TB 145
62	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Mixing Time	IRC SP 81
63	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Wet cohesion within 30 min	IRC SP 81
64	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Wet cohesion within 60 min	IRC SP 81
65	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Wet Stripping % Passing min	IRC SP 81
66	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Wet track abrasion loss (1 Hour Soak)	IRC SP 81
67	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Wet track abrasion loss (6 days Soak)	IRC SP 81
68	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Consistency	ISSA TB 106
69	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Ductility Test	IS 1208
70	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Elastic Recovery	IS 15462
71	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Penetration	IS 1203
72	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Solubility in Trichloroethylene	IS 1216
73	MECHANICAL- SOIL AND ROCKS	Fine Aggregate	Sand Equivalent Value	IS 2720 PART-37
74	MECHANICAL- SOIL AND ROCKS	Rock	Density	IS 13030
75	MECHANICAL- SOIL AND ROCKS	Rock	Point load index	IS 8764
76	MECHANICAL- SOIL AND ROCKS	Rock	porosity	IS 13030
77	MECHANICAL- SOIL AND ROCKS	Rock	specific gravity(rock)	IS 13030
78	MECHANICAL- SOIL AND ROCKS	Rock	Unconfined compression test	IS 9143
79	MECHANICAL- SOIL AND ROCKS	Rock	water content	IS 13030



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80	MECHANICAL- SOIL AND ROCKS	soil	Particle size analysis by hydrometer (75 micron Sieve)	IS 2720(part 4)
81	MECHANICAL- SOIL AND ROCKS	soil, GSB	California Bearing Ratio (CBR)	IS 2720(part 16)
82	MECHANICAL- SOIL AND ROCKS	Soil, GSB	water content	IS 2720(part 2)
83	MECHANICAL- SOIL AND ROCKS	soil, GSB, WMM	Heavy Compaction -maximum dry density	IS 2720 (Part 8)
84	MECHANICAL- SOIL AND ROCKS	Soil, GSB, WMM	Heavy compaction-optimum moisture content	IS 2720(part 8)
85	MECHANICAL- SOIL AND ROCKS	Soil, GSB, WMM	Liquid limit	IS 2720(part 5)
86	MECHANICAL- SOIL AND ROCKS	Soil, GSB, WMM	Plastic limit	IS 2720(part5)
87	MECHANICAL- SOIL AND ROCKS	Soil, GSB, WMM	Shrinkage limit	IS 2720 (part6)
88	MECHANICAL- SOIL AND ROCKS	Soil, Moorum	Free swell index	IS 2720(part 40)
89	MECHANICAL- SOIL AND ROCKS	Soil, Moorum	Grain size analysis (80 mm to 0.075 mm)	IS 2720(part 4)
90	MECHANICAL- SOIL AND ROCKS	Soil, Moorum	Light compaction-Maximum Dry density	IS 2720(Part 7)
91	MECHANICAL- SOIL AND ROCKS	Soil, Moorum	Light compaction-optimum moisture content	IS 2720(part 7)
92	MECHANICAL- SOIL AND ROCKS	Soil, Moorum	Specific Gravity of fine grained soil	IS 2720 (part 3 /sec1)
93	MECHANICAL- SOIL AND ROCKS	Stones	Specific Gravity	IS 1122
94	MECHANICAL- SOIL AND ROCKS	Stones	Water Absorption	IS 1124