



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

BUILDING MATERIALS AND SOIL TESTING LAB (A UNIT OF RV DIGI. TECH. CONSULTANCY (OPC) PRIVATE LIMITED), 107/22, MOUJA, KHARAWAR, TEHSIL-SAMPLA, VPO-KHARAWAR, ROHTAK, HARYANA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-16901

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Validity

10/10/2025 to 09/10/2029

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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 Testing				
1	MECHANICAL-BUILDINGS MATERIALS	Concrete	Consistency of concrete(by Flow Table Test)	IS 1199
2	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208 (Part 1)
3	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
4	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Flash point	IS 1209
5	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
6	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
7	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Softening Point Ring and Ball Apparatus	IS 1205
8	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
9	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix Material	Binder Content	IRC SP 11
10	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix Material	Marshal Stability Value	ASTM D 6927
11	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix Material	Marshall Flow Value	ASTM D 6927



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12	MECHANICAL-BUILDINGS MATERIALS	Brick	Dimensional Height	IS 1077
13	MECHANICAL-BUILDINGS MATERIALS	Brick	Dimensional Length	IS 1077
14	MECHANICAL-BUILDINGS MATERIALS	Brick	Dimensional Width	IS 1077
15	MECHANICAL-BUILDINGS MATERIALS	Burnt clay bricks/Pulverised fuel ash limit bricks/Burnt clay fly ash bricks/Sewer bricks	Efflorescence	IS 3495 (Part 3)
16	MECHANICAL-BUILDINGS MATERIALS	Burnt clay bricks/Pulverised fuel ash limit bricks/Burnt clay fly ash bricks/Sewer bricks	Water Absorption	IS 3495 (Part 2)
17	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay bricks/pulverized fuel ash brick/burnt Clay fly ash brick	Compressive Strength	IS 3495 (Part 1)
18	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimensional Height	IS 13757
19	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimensional Length	IS 13757
20	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimensional Width	IS 13757
21	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
22	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density(Rodded)	IS 2386 (Part 3)
23	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS 2386 (Part 2)



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24	MECHANICAL-BUILDINGS MATERIALS	coarse aggregate	Crushing Value	IS 2386 (Part 4)
25	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
26	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
27	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
28	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Light Weight Pieces	IS 2386 (Part 2)
29	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Particles finer than 75 micron	IS 2386 (Part 2)
30	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS 2386 (Part 5)
31	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
32	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
33	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate(Ballast/GSB/WMM/WBM)	Los Angeles Abrasion Value	IS 2386(Part 4)



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34	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate/Ballast/GSB/WMM/WBM	Sieve Analysis (Gradation) (4.75 mm, 6.3 mm, 9.5 mm, 10 mm, 11.2 mm, 12.5 mm, 16 mm, 20 mm, 22.4 mm, 25 mm, 26.5 mm, 31.5 mm, 37.5 mm, 40 mm, 45 mm, 50 mm, 53 mm, 63 mm, 75 mm, 80 mm)	IS 2386 (Part 1)
35	MECHANICAL-BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516 (Part 1, Sec 1)
36	MECHANICAL-BUILDINGS MATERIALS	Concrete	Density	IS 516 (Part 2, Sec 1)
37	MECHANICAL-BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 (Part 1, Sec 1)
38	MECHANICAL-BUILDINGS MATERIALS	Concrete Paver Block	Water Absorption	IS 15658
39	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
40	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Rodded)	IS 2386 (Part 3)
41	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS 2386 (Part 3)
42	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Light Weight Pieces	IS 2386 (Part 2)
43	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Particles finer than 75 micron	IS 2386 (Part 2)



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44	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (4.75 mm, 2.36 mm, 1.18 mm, 600 micron, 300 micron, 150 micron, 75 micron)	IS 2386 (Part 1)
45	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Silt Content	CPWD Specification (VOL.1), Appendix-C, Clause 3.1.3.2, Page 78
46	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Soundness Test	IS 2386 (Part 5)
47	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
48	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
49	MECHANICAL-BUILDINGS MATERIALS	Fly Ash	Fineness (by Wet Sieve Analysis)	IS 1727
50	MECHANICAL-BUILDINGS MATERIALS	Fly ash	Fineness(Specific Gravity)	IS 1727
51	MECHANICAL-BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Block Density	IS 2185 (Part 1)
52	MECHANICAL-BUILDINGS MATERIALS	Hollow and Solid Concrete Block	Dimensional Height	IS 2185 (Part 1)
53	MECHANICAL-BUILDINGS MATERIALS	Hollow and Solid Concrete Block	Dimensional Length	IS 2185 (Part 1)
54	MECHANICAL-BUILDINGS MATERIALS	Hollow and Solid Concrete Block	Dimensional Width	IS 2185 (Part 1)



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55	MECHANICAL-BUILDINGS MATERIALS	Hollow and Solid Concrete Block	Water Absorption	IS 2185 (Part 1)
56	MECHANICAL-BUILDINGS MATERIALS	Hollow and Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1)
57	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Compressive Strength	IS 4031 (Part 6)
58	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Consistency	IS 4031 (Part 4)
59	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Final Setting Time	IS 4031 (Part 5)
60	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Fineness by Blaine Air	IS 4031 (Part 2)
61	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Soundness-Le Chatelier	IS 4031 (Part 3)
62	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Density	IS 4031 (Part 11)
63	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Initial Setting Time	IS 4031 (Part 5)
64	MECHANICAL-BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
65	MECHANICAL-BUILDINGS MATERIALS	Road Tar and Cutback Bitumen	Viscosity by Tar Viscometer	IS 1206 (Part 1)
66	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear (Angle of Internal Friction)	IS 2720 (Part 13)



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67	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear (Cohesion Value)	IS 2720 (Part 13)
68	MECHANICAL- SOIL AND ROCKS	Soil	Grain Size Analysis (Wet Sieving Analysis) 2mm, 425 micron, 75 micron	IS 2720 (Part 4)
69	MECHANICAL- SOIL AND ROCKS	Soil	Shrinkage Limit	IS 2720 (Part 6)
70	MECHANICAL- SOIL AND ROCKS	Soil	Specific Gravity	IS 2720 (Part 3)
71	MECHANICAL- SOIL AND ROCKS	Soil	Standard Penetration (N Value)	IS 2131
72	MECHANICAL- SOIL AND ROCKS	Soil	Unconfined Compressive	IS 2720 (Part 10)
73	MECHANICAL- SOIL AND ROCKS	Soil	Water Content	IS 2720 (Part 2)
74	MECHANICAL- SOIL AND ROCKS	SOIL/GSB/WMM	California Bearing Ratio (CBR)	IS 2720 (Part 16)
75	MECHANICAL- SOIL AND ROCKS	SOIL/GSB/WMM	Free Swelling Index	IS 2720 (Part 40)
76	MECHANICAL- SOIL AND ROCKS	SOIL/GSB/WMM	Grain Size Analysis (Dry Sieve Analysis)	IS 2720 (Part 4)
77	MECHANICAL- SOIL AND ROCKS	Soil/GSB/WMM	Heavy Compaction (MDD)	IS 2720 (Part 8)
78	MECHANICAL- SOIL AND ROCKS	Soil/GSB/WMM	Heavy Compaction (OMC)	IS 2720 (Part 8)
79	MECHANICAL- SOIL AND ROCKS	SOIL/GSB/WMM	In Place Dry Density of Soils by Sand Replacement Method	IS 2720 (Part 28)
80	MECHANICAL- SOIL AND ROCKS	Soil/GSB/WMM	Light Compaction (MDD)	IS 2720 (Part 7)
81	MECHANICAL- SOIL AND ROCKS	Soil/GSB/WMM	Light Compaction (OMC)	IS 2720 (Part 7)
82	MECHANICAL- SOIL AND ROCKS	Soil/GSB/WMM	Liquid Limit	IS 2720 (Part 5)



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83	MECHANICAL- SOIL AND ROCKS	Soil/GSB/WMM	Plastic Limit	IS 2720 (Part 5)
84	MECHANICAL- SOIL AND ROCKS	Stone	Uniaxial Compressive Strength	IS 1121
85	MECHANICAL- SOIL AND ROCKS	Stone	Specific Gravity	IS 1124
86	MECHANICAL- SOIL AND ROCKS	Stone	Water Absorption	IS 1124
87	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Cube	Ultrasonic Pulse Velocity	IS 516 (Part 5, Sec 1)
88	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Cube/Beam	Carbonation Depth(mm)	IS 516 (Part 5, Sec 3)



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Site Testing				
1	MECHANICAL- SOIL AND ROCKS	Soil	Standard Penetration (N Value)	IS 2131
2	MECHANICAL- SOIL AND ROCKS	SOIL/GSB/WMM	In Place Dry Density of Soils by Sand Replacement Method	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCKS	SOIL/GSB/WMM	In-Situ Dry Density of Soils by Core Cutter Method	IS 2720 (Part 29)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Cube	Ultrasonic Pulse Velocity	IS 516 (Part 5, Sec 1)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Cube/Beam	Carbonation Depth(mm)	IS 516 (Part 5, Sec 3)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer Test	IS 516 (Part 5, Sec 4)