National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	SENATUS LABORATORIES INDIA PVT. LTD., HOUSE NO.18 VINAY NAGAR, SECTOR NO-03, GWALIOR, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8653	**Page No**	1 of 7
Validity	12/09/2022 to 11/09/2024	**Last Amended on**	20/01/2023

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	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen	Binder content	IRC SP 11(Appendix-5C)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen	Marshal Stability Test	ASTHO T :245
3	MECHANICAL- BUILDINGS MATERIALS	Bitumin/Modified Bitumen	Density Test	Morth Sec 505/ IS:1202
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Flyash Bricks/ Flyash Lime Bricks	Compressive Strength	IS 3495 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Flyash Bricks/ Flyash Lime Bricks	Dimension (Height)	IS 1077
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Flyash Bricks/ Flyash Lime Bricks	Dimension (Length)	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Flyash Bricks/ Flyash Lime Bricks	Dimension (Width)	IS 1077
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Flyash Bricks/ Flyash Lime Bricks	Efflorescence	IS 3495 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Flyash Bricks/ Flyash Lime Bricks	Water Absorption	IS 3495 (Part 2)
10	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Compressive Strength	IS 4031 (Part 6)
11	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Density	IS 4031 (Part 11)
12	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Fineness by Blaine’s Air Permeability	IS 4031 (Part 2)
13	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Initial Setting Time	IS 4031 (Part 5)
14	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Normal Consistency	IS 4031 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Cement -OPC/PPC/Slag	Final Setting Time	IS 4031 (Part 5)
17	MECHANICAL- BUILDINGS MATERIALS	Cement-OPC/PPC/slag	Compressive Strength	IS:4031 Part-6
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fine Value	IS:2386:(PART-4)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8653	**Page No**	2 of 7
Validity	12/09/2022 to 11/09/2024	**Last Amended on**	20/01/2023

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS:2386 (part-3)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS:2386 (part-4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS:2386 (part-1)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS:2386 (part-1)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS:2386 (part-4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angles Abrasion Value	IS : 2386(part-4)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material finer than 75 micron	IS : 2386(part-1)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis(4.75 mm to 75 mm)	IS:2386 (part-1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness Test(Loss with NaSO4, Loss with MgSO4)	IS:2386 (part-5)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 (part-3)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS:2386 (part-3)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS:2386 (Part 4)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 40 mm)	IS 2386 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness Test	IS 2386 (Part 5)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8653 **Page No** 3 of 7

Validity 12/09/2022 to 11/09/2024 **Last Amended on** 20/01/2023

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
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube/Core	Compressive Strength	IS: 516
41	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube/Core	Flexure/Transverse Strength	IS: 516 -1959
42	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS:15658
43	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension(Height)	IS:15658
44	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension(Length)	IS:15658
45	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension(Width)	IS:15658
46	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS:15658
47	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS 15658
48	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension (Height)	IS 15658
49	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension (Length)	IS 15658
50	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension (Width)	IS 15658
51	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS 15658
52	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS:2386 (part-3)
53	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Fine Aggregate	IS:2386 (part-3)
54	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75µ IS Sieve	IS:2386 (part-1)
55	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis(0.075 mm to 10 mm)	IS:2386 (part-1)
56	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS: 2386 Part-2

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8653 **Page No** 4 of 7

Validity 12/09/2022 to 11/09/2024 **Last Amended on** 20/01/2023

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57	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS:2386 (part-5)
58	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS:2386 (part-3)
59	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS:2386 (part-3)
60	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Concrete Mix Design Proportioning-C.C. Cube	IS: 10262
61	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS:1199
62	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete block For Paving	Compressive Strength	IS :15658
63	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete block For Paving	Water Absorption	IS :15658
64	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete block For Paving	Abrasion resistance	IS :15658
65	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete block For Paving	Compressive Strength	IS :15658
66	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete block For Paving	Dimension test(Height)	IS :15658
67	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete block For Paving	Dimension test(Length)	IS :15658
68	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete block For Paving	Dimension test(Width)	IS :15658
69	MECHANICAL- BUILDINGS MATERIALS	wooden	End Immersion Test	IS:4020 (Part-13)
70	MECHANICAL- BUILDINGS MATERIALS	Wooden	KNIFE Test	IS 4020 (Pt-14)
71	MECHANICAL- BUILDINGS MATERIALS	wooden	Shock Resistance Test	IS:4020 (part-8)
72	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	% Elongation	IS 1608-1
73	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	0.2 % Proof Stress	IS 1608-1

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8653	**Page No**	5 of 7
Validity	12/09/2022 to 11/09/2024	**Last Amended on**	20/01/2023

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74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Bend Test (Mandrel size 16mm,20mm,24mm,30mm,32mm,36mm,40mm,48mm,50mm,60mm,64mm,75mm,80mm,96mm,100mm,125mm,128mm,150mm,160mm,192mm)	IS 1599
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Mass per meter	IS 1786
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Re-Bend Test	IS 1786
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Ultimate Tensile Strength	IS 1608-1
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel ,Structural Steel	Yield Strength	IS :1608
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Reinforcement	Reduction in Area	IS:1608
80	MECHANICAL- SOIL AND ROCK	Rock Cores	Water Absorption	IS:1124-1974
81	MECHANICAL- SOIL AND ROCK	Rock Cores	Density	IS :13030
82	MECHANICAL- SOIL AND ROCK	Rock Cores	Point Load Index Test	IS : 8764
83	MECHANICAL- SOIL AND ROCK	Rock Cores	Porosity	IS :13030
84	MECHANICAL- SOIL AND ROCK	Rock Cores	Specific Gravity	IS:1122
85	MECHANICAL- SOIL AND ROCK	Rock Cores	Uni-axial Compressive Strength	IS :9143
86	MECHANICAL- SOIL AND ROCK	Soil	CBR Value	IS:2720 part-16
87	MECHANICAL- SOIL AND ROCK	Soil	Consolidation	IS:2720 part-15
88	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS:2720 Part-40

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8653	**Page No**	6 of 7
Validity	12/09/2022 to 11/09/2024	**Last Amended on**	20/01/2023

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89	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS:2720 part-16
90	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction(MDD)	IS:2720 part-8
91	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction(OMC)	IS:2720 part-8
92	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS:2720 part-4
93	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction(MDD)	IS:2720 part-7
94	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction(OMC)	IS:2720 part-7
95	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS:2720 part-5
96	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS:2720 part-2
97	MECHANICAL- SOIL AND ROCK	Soil	Permeability	IS:2720 (part-17)
98	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720 part-5
99	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS:2720 (Part-6)
100	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS:2720 part-3
101	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS:2720 part-41
102	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15)
103	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial - C Value	IS:2720 (part-11)
104	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial - Phi value	IS:2720(part-11)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8653	**Page No**	7 of 7
Validity	12/09/2022 to 11/09/2024	**Last Amended on**	20/01/2023

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Clay & Soil	Plate Load Test	IS: 1888
2	MECHANICAL- SOIL AND ROCK	Clay & Soil	Standard Penetration Test	IS:2131
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete	Rebound Hammer Test	IS:13311 (Part -2)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete	Ultrasonic Pulse Velocity	IS:13311 (Pt-1) (Withdrawn Standard)