



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SLV GEOTECH & CONSTRUCTION MATERIAL TESTING LABS (OPC) PRIVATE LIMITED, 69-7-2/4,
GAIGALPADU, VEGULA PAPAYYA STREET, KAKINADA, EAST GODAVARI, ANDHRA PRADESH, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLT0926AD19486

Page No

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Validity

21/09/2026 to 20/09/2030

Last Amended on

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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	Burnt Clay Building Bricks	Compressive Strength	IS 3495 (Part 1)
2	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Building Bricks	Efflorescence	IS 3495 (Part 3)
3	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Building Bricks	Water Absorption	IS 3495 (Part 2)
4	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength (Curing Time: 168 hours $\pm$ 2 hr)	IS 4031 (Part 6)
5	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength (Curing Time: 672 hours $\pm$ 4 hr)	IS 4031 (Part 6)
6	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength (Curing Time: 72 hours $\pm$ 1 hr)	IS 4031 (Part 6)
7	MECHANICAL-BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
8	MECHANICAL-BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
9	MECHANICAL-BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031 (Part 1)
10	MECHANICAL-BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
11	MECHANICAL-BUILDINGS MATERIALS	Cement	Normal Consistency	IS 4031 (Part 4)



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12	MECHANICAL-BUILDINGS MATERIALS	Cement	Soundness by Le-chatelier	IS 4031 (Part 3)
13	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	10 Percent Fines Value	IS 2386 (Part 4)
14	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
15	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Rodded)	IS 2386 (Part 3)
16	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
17	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
18	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
19	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
20	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (80 mm to 4.75 mm)	IS 2386 (Part 1)
21	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
22	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
23	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)



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24	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Rodded)	IS 2386 (Part 3)
25	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Materials Finer than 75 microns	IS 2386 (Part 1)
26	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (4.75 mm to 75 micron)	IS 2386 (Part 1)
27	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
28	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
29	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Core	IS 516 (Part 4)
30	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Cube	IS 516 (Part 1 / Sec 1)
31	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete	Density	IS 516 (Part 2 / Sec 1)
32	MECHANICAL-BUILDINGS MATERIALS	Metallic Materials	Bend Test	IS 1599
33	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Steel Bar	Elongation	IS 1608 (Part 1)
34	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Steel Bar	Tensile Strength	IS 1608 (Part 1)
35	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Steel Bar	Yield Stress	IS 1608 (Part 1)



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36	MECHANICAL- SOIL AND ROCK	Fine Grained Soil	Specific Gravity	IS 2720 (Part 3 / Sec 1)
37	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
38	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of friction)	IS 2720 (Part 13)
39	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
40	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
41	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (4.75 mm to 75 microns)	IS 2720 (Part 4)
42	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
43	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
44	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
45	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
46	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
47	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)