National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : H. K. CALITECH, PLOT NO 30, 31, VASANT VIHAR COLONY, LAMBAKHEDA, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9996 **Page No** 1 of 3

Validity 18/10/2021 to 17/10/2023 **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 Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay or Fly Ash)	Compressive Strength	IS 3495 (Part-1)
2	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay or Fly Ash)	Water Absorption	IS 3495 (Part-2)
3	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay)	Dimension (Length)	IS 1077
4	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay)	Dimension (Thickness)	IS 1077
5	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay)	Dimension (Width)	IS 1077
6	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay)	Dimension (Width)	IS 12894
7	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimension (Length)	IS 12894
8	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimension (Thickness)	IS 12894
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part-3)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part-4)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part-4)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part-1)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part-3)
16	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part-3)
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part-2)

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18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Sizes - 10mm, 4.75mm, 2.36mm, 1.18mm, 600 micron, 300 micron, 150 micron, 75 micron)	IS 2386 (Part-1)
19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part-3)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part-3)
21	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Cube)	Compressive Strength	IS 516
22	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part-6)
23	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Consistency	IS 4031 (Part-4)
24	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Density	IS 4031 (Part-11)
25	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Setting Time (Final)	IS 4031 (Part-5)
26	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Setting Time (Initial)	IS 4031 (Part-5)
27	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Soundness (By Le-Chatelier)	IS 4031 (Part-3)
28	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Specific Surface Area (Fineness by Blaine's Method)	IS 4031 (Part-2)
29	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Compressive Strength	IS 15658
30	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Water Absorption	IS 15658
31	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio - CBR Value (96 Hours Soaked Condition)	IS 2720 (Part-16)
32	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
33	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Sieve Size - 19mm, 4.75mm, 2.0mm, 425 micron, 75 micron)	IS 2720 (Part-4)
34	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Maximum Dry Density - MDD)	IS 2720 (Part-8)

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35	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Optimum Moisture Content - OMC)	IS 2720 (Part-8)
36	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
37	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part-2)
38	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
39	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3/Sec-1)