National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI-TECH TESTING & RESEARCH CENTER, 0, SWAROOP NAGAR, LAKHIMPUR, KHERI, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11099 **Page No** 1 of 3

Validity 29/10/2022 to 28/10/2024 **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	Autoclaved Cellular Block	Bulk Density	IS 6441 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Block	Compressive Strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Block	Moisture Content	IS 6441 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
6	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495
7	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension - Breadth	IS 1077
8	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension - Height	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension - Length	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (Part 2)
11	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Cement	Specific Gravity	IS 4031 (Part 11)
13	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard Consistency	IS 4031 (Part 4)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fine Value	IS 2386 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI-TECH TESTING & RESEARCH CENTER, 0, SWAROOP NAGAR, LAKHIMPUR, KHERI, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11099 **Page No** 2 of 3

Validity 29/10/2022 to 28/10/2024 **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
19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (63mm to 4.75mm)	IS 2386 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2836 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finner Than 75 Micron	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (4.75mm to 0.075mm)	IS 2386 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	Is 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
27	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Core	Compressive Strength	IS 516 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength	IS 516 (Part 1/Section 1)
29	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paver Block	Compressive Strength	IS 15658
30	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paver Block	Water Absorption	IS 15658
31	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 13030
32	MECHANICAL- SOIL AND ROCK	Rock Core	Compressive Strength	IS 9143
33	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
34	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS 2720 (Part 13)
35	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Internal Angle of Shear Resistance	IS 2720 (Part 16)
36	MECHANICAL- SOIL AND ROCK	Soil	Free Swelling Index	IS 2720 (Part 40)
37	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (40 mm to 75 µm)	IS 2720 (Part 4)

SCOPE OF ACCREDITATION

Laboratory Name :	HI-TECH TESTING & RESEARCH CENTER, 0, SWAROOP NAGAR, LAKHIMPUR, KHERI, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11099	**Page No**	3 of 3
Validity	29/10/2022 to 28/10/2024	**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
38	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction (Maximum Dry Density)	IS 2720 (Part 8)
39	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Optimum Moisture Content)	IS 2720 (Part 8)
40	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 (Part 4)
41	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (Maximum Dry Density)	IS 2720 (Part 7)
42	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (Optimum Moisture Content)	IS 2720 (Part 7)
43	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
44	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
45	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/Section 2)