National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HITECH, SR. NO. 42/2 MORAYA COLONY, PUNE, MAHARASHTRA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-8188 **Page No** 1 of 5
Validity 29/01/2022 to 28/01/2024 **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	AAC Blocks	Bulk Density	IS 6441 P-1
2	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compression strength	IS 6441 P-5
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration Test	IS 1203
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
6	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP 11
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bulk Specific Gravity	ASTM 2726
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal Flow	AASHTO-T 245
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal Stability Test	AASHTO-T245
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Compressive Strength	IS 3495 P-1
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimension - Length	IS 1077-2016 / IS 12894-2017
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimension- Width	IS 1077-2016 & IS 12894 -2017
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly ash Bricks	Efflorescence	IS 3495 P-3
14	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Water Absorption	IS 3495 P -2
15	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks& Fly Ash Bricks	Dimension - Height	IS 1077-2016 & Is 12894-2017
16	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 P-6
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 P-1
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 P-5

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine's Air Permeability	IS 4031 P-2
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 P-5
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le- Chatelier's method	IS 4031 P-3
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard Consistency	IS 4031 P-4
23	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Crazing Resistance	IS 13630 P-9
24	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Scratch Hardness of surface according to Mohr's scale	IS 13630 P-13
25	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 P-2
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines value	IS 2386 P-4
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Crushing Value	IS 2386 P-4
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 P-4
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 P-3
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 P-1
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 P-1
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (80 mm to 2.36 mm)	IS 2386 P-1
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 P-3
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 P-3
35	MECHANICAL- BUILDINGS MATERIALS	Concrete Cores	Compressive strength	IS 516 P-4
36	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compression Strength	IS 516 P-1 Sec-1
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 microns	IS 2386 P-1
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10 mm to 0.150 mm)	IS 2386 P-1 (0.075 mm - 10 mm)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 P-3
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 P-3
42	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bar	% Elongation	IS 1608 P-1
43	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bar	0.2% Proof Stress	IS 1608 P-1
44	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bar	Bend Test	IS 1599
45	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bar	Bend-Re bend Test	IS 1786
46	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bar	Ultimate Tensile Strength	IS 1608 P-1
47	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bar	Weight per meter	IS 1786
48	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bar	Yield Stress	IS 1608 P-1
49	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Compression Strength	IS 15658
50	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Water Absorption	IS 15658
51	MECHANICAL- SOIL AND ROCK	Soil/Murum	Light Compaction- Maximum Dry Density	IS 2720 P 7
52	MECHANICAL- SOIL AND ROCK	Soil/Murum	Light Compaction-OMC	IS 2720 P 7
53	MECHANICAL- SOIL AND ROCK	Soil/Murum/GSB/WMM	Liquid Limit	IS 2720 P 5
54	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Apparent specific Gravity	IS 1124
55	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Compression strength	IS 1121, P 1
56	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Porosity	IS 1124

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57	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Water Absorption	IS 1124
58	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
59	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compression strength test	IS 9143
60	MECHANICAL- SOIL AND ROCK	Soil/Murum	Grain Size Analysis	IS 2720 P 4
61	MECHANICAL- SOIL AND ROCK	Soil/Murum	California Bearing Ratio	IS 2720 P 16
62	MECHANICAL- SOIL AND ROCK	Soil/Murum	Direct Shear Test- Fi Value	IS 2720 P13
63	MECHANICAL- SOIL AND ROCK	Soil/Murum	Free Swell Index-FSI	IS 2720 P 40
64	MECHANICAL- SOIL AND ROCK	Soil/Murum	Heavy Compaction OMC	IS 2720 P 8
65	MECHANICAL- SOIL AND ROCK	Soil/Murum	Hydrometer Analysis-For Silt & Clay	IS 2720 P 4
66	MECHANICAL- SOIL AND ROCK	Soil/Murum/GSB/WMM	Direct Shear Test- C Value	IS 2720 P 13
67	MECHANICAL- SOIL AND ROCK	Soil/Murum/GSB/WMM	Moisture Content	IS 2720, P 2
68	MECHANICAL- SOIL AND ROCK	Soil/Murum/GSB/WMM	Plastic Limit	IS 2720 P 5
69	MECHANICAL- SOIL AND ROCK	Soil/Murum/GSB/WMM	Proctor Density by Heavy Compaction	IS 2720 P 8

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil/Murum	FDT by Core Cutter method	IS 2720 P-29
2	MECHANICAL- SOIL AND ROCK	Soil/Murum	Plate Load Test Determination of SBC Value	IS 1888
3	MECHANICAL- SOIL AND ROCK	Soil/Murum	Plate Load TestDetermination of Strain Modulus EV & Its Ratio Ev2/Ev1	DIN 18134
4	MECHANICAL- SOIL AND ROCK	Soil/Murum/GSB/WMM	Field CBR	IS 2720, P 31
5	MECHANICAL- SOIL AND ROCK	Soil/Murum/GSB/WMM	FDT by Sand Replacement method	IS 2720 P 28
6	MECHANICAL- SOIL AND ROCK	Soil/Murum/GSB/WMM	Modulus of Subgrade Reaction K Values of Soils	IS 9214
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforce Concrete Structure	Ultrasonic Pulse Velocity	IS 516 (Part-5/ Sec-1)
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Carbonation Test	IS 516 (Part-5/Sec -3)
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer Test	IS 516 (Part-5/Sec-4)