National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), PLOT NO. 164, VIBRANT BUSINESS PARK, PHASE 1, GIDC, VALSAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5521 **Page No** 1 of 5

Validity 24/04/2022 to 23/04/2024 **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	Beam	Flexural Stregnth	IS 516 (Part 1/Sec 1)
2	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 1077
4	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 12894
5	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 13757
6	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 12894
8	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 13757
9	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 12894
11	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 13757
12	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
14	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
15	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine Air Permeability	IS 4031 (Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier	IS 4031 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Core	Compressive Strength	IS 516 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Cube	Compressive Strength	IS 516 (Part 1/Sec 1)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75 micron	IS 2386 (Part 1)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Cone Test	IS 1199 (Part 2)
37	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658

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38	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Cross Sectional Area	IS 15658
39	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
40	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Coupler for steel bar	Distance of Fracture	IS 16172
41	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Coupler for steel bar	Elongation at Maximum Force	IS 16172
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Coupler for steel bar	Slip Test	IS 16172
43	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Coupler for steel bar	Ultimate Tensile Strength	IS 16172
44	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Bend Test	IS 1599
45	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation After Fracture	IS 1608 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation at Maximum Force	IS 1608 (Part 1)
47	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	mass/meter	IS 1786
48	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Rebend Test	IS 1786
49	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Ultimate Tensile Strength	IS 1608 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress	IS 1608 (Part 1)
51	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS 13030
52	MECHANICAL- SOIL AND ROCK	Rock	Dry Specific Gravity	IS 13030
53	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
54	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
55	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
56	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030

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57	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
58	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test - mv (Co-efficient of Volume Change)	IS 2720 (Part 15)
59	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cc)	IS 2720 (Part 15)
60	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Pc)	IS 2720 (Part 15)
61	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (C)	IS 2720 (Part 13)
62	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Ø)	IS 2720 (Part 13)
63	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
64	MECHANICAL- SOIL AND ROCK	Soil	Grain Size	IS 2720 (Part 4)
65	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
66	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
67	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 (Part 4)
68	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
69	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
70	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
71	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
72	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
73	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
74	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 / Sec 1)
75	MECHANICAL- SOIL AND ROCK	Soil	Swell Pressure	IS 2720 (Part 41)

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76	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (UU) (without pore pressure) - C	IS 2720 (Part 11)
77	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (UU) (without pore pressure) - Ø	IS 2720 (Part 11)
78	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression (without pore pressure)	IS 2720 (Part 10)