



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S.T.B.S. MATERIAL TESTING CELL, SHREE TAPI BRAHMCHARYASHRAM SABHA COLLEGE OF DIPLOMA ENGINEERING, KAPODRA, VARACHHA ROAD, SURAT, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-7599 Page No. : 1 / 6

Validity 25/07/2018 to 24/07/2020 Last Amended on 05/08/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
Permanent Facility				
1	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride as Cl	IS 3025 (Part 32): 1988
2	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 (Part 11): 1983
3	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphates as SO ₄	IS 3025 (Part 24): 1986
4	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TDS (Total Dissolved Solids)	IS 3025 (Part 16): 1984
5	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TSS (Total Suspended Solids)	IS 3025 (Part 17): 1984
6	CHEMICAL- WATER	Construction Water	Alkalinity	IS 3025 (Part 23): 1983
7	CHEMICAL- WATER	Construction Water	Chloride as Cl	IS 3025 (Part 32): 1988
8	CHEMICAL- WATER	Construction Water	Inorganic Impurities	IS 3025 (Part 18): 1984
9	CHEMICAL- WATER	Construction Water	Organic Impurities	IS 3025 (Part 18): 1984
10	CHEMICAL- WATER	Construction Water	pH value	IS 3025 (Part 11): 1983
11	CHEMICAL- WATER	Construction Water	Sulphates as SO ₄	IS 3025 (Part 24): 1986
12	CHEMICAL- WATER	Construction Water	Suspended Matter	IS 3025 (Part 17): 1984
13	CHEMICAL- WATER	Construction Water	TDS (Total Dissolved Solids)	IS 3025 (Part 16): 1984
14	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1): 1992



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
15	MECHANICAL-BUILDINGS MATERIALS	Bricks	Dimensions and Tolerance	IS 1077: 1992
16	MECHANICAL-BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2): 1992
17	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6): 1988
18	MECHANICAL-BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4): 1988
19	MECHANICAL-BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5): 1988
20	MECHANICAL-BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5): 1988
21	MECHANICAL-BUILDINGS MATERIALS	Cement	Soundness (by Le-Chatelier Method)	IS 4031 (Part 3): 1988
22	MECHANICAL-BUILDINGS MATERIALS	Cement Concrete Cube	Compressive Strength	IS 516: 1959
23	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4): 1963
24	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4): 1963



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25	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1): 1963
26	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1): 1963
27	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Grading of Aggregate	IS 2386 (Part 1): 1963
28	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4): 1963
29	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3): 1963
30	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 1): 1963
31	MECHANICAL-BUILDINGS MATERIALS	Concrete Paver Block	Compressive Strength	IS 15658: 2006
32	MECHANICAL-BUILDINGS MATERIALS	Concrete Paver Block	Water Absorption	IS 15658: 2006
33	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Fineness Modulus by Gradation	IS 2386 (Part 1): 1963
34	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3): 1963



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35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3): 1963
36	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	% Elongation	IS 1608 (Part 1): 2018
37	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Bend Test	IS 1786: 2008
38	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Re-bend Test	IS 1786: 2008
39	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Tensile Strength	IS 1608 (Part 1): 2018
40	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Yield Stress	IS 1608 (Part 1): 2018
41	MECHANICAL- SOIL AND ROCK	Soil	CBR Test	IS 2720 (Part 16): 1987
42	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cc)	IS 2720 (Part 15): 1986
43	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Pc)	IS 2720 (Part 15): 1986
44	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Angle of Friction)	IS 2720 (Part 13): 1986



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45	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Cohesion)	IS 2720 (Part 13): 1986
46	MECHANICAL- SOIL AND ROCK	Soil	Field Density (Core Cutter Method)	IS 2720 (Part 29): 1975
47	MECHANICAL- SOIL AND ROCK	Soil	Field Density (Sand Replacement Method)	IS 2720 (Part 28): 1974
48	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40): 1977
49	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4): 1985
50	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8): 1983
51	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8): 1983
52	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7): 1980
53	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7): 1980
54	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5): 1985
55	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2): 1973
56	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5): 1985
57	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 / Section 1): 1980
58	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (Angle of Friction)	IS 2720 (Part 12): 1981



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
59	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (Cohesion)	IS 2720 (Part 12): 1981
60	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10): 1991
61	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Structure	Rebound Hammer Test	IS 13311 (Part 2): 1992
62	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Structure	Ultrasonic Pulse Velocity Test	IS 13311 (Part 1): 1992