National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : R K CONSULTANCY (MATERIAL TESTING LABORATORY), PLOT NO. 1, SURVEY NO. 297, NATIONAL HIGHWAY NO. 8, HAJIPUR, HIMATNAGAR, SABARKANTHA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11021 **Page No** 1 of 5

Validity 28/09/2022 to 27/09/2024 **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	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Effect of heat and air by thin film oven test (Loss in mass)	IS 9382
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration Test	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in Trichloroethylene	IS 1216
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder content	ASTM D 2172
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D 6927
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927
12	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension – Height	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension – Length	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension – Width	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Brick	Efflorescence	IS 3495 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness (by Blaine Air Permeability)	IS 4031 (Part 2)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness (by dry sieving)	IS 4031 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness (By Le–Chatlier Method)	IS 4031 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact value	IS 2386 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 90 mm)	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 to 10 mm sieve size)	IS 2386 (Part 1)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer that 75 µm	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
37	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of cubes	IS 516 (Part 1/Sec 1)

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38	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength of beams	IS 516 (Part 1/Sec 1)
39	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension – Height	IS 15658
40	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension – Length	IS 15658
41	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension – Width	IS 15658
42	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
43	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Bend	IS 1599
44	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Elongation	IS 1608 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Mass per Meter	IS 1786
46	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Re-bend	IS 1786
47	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Tensile Strength	IS 1608 (Part 1)
48	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	TS/YS Ratio	IS 1786
49	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Yield Stress	IS 1608 (Part 1)
50	MECHANICAL- SOIL- BASIC	Soil	California Bearing Ratio	IS 2720 (Part 16)
51	MECHANICAL- SOIL- BASIC	Soil	Free Swell Index	IS 2720 (Part 40)
52	MECHANICAL- SOIL- BASIC	Soil	Heavy Compaction – MDD	IS 2720 (Part 8)
53	MECHANICAL- SOIL- BASIC	Soil	Heavy Compaction – OMC	IS 2720 (Part 8)
54	MECHANICAL- SOIL- BASIC	Soil	Light Compaction – MDD	IS 2720 (Part 7)
55	MECHANICAL- SOIL- BASIC	Soil	Light Compaction – OMC	IS 2720 (Part 7)
56	MECHANICAL- SOIL- BASIC	Soil	Liquid Limit	IS 2720 (Part 5)
57	MECHANICAL- SOIL- BASIC	Soil	Plastic Limit	IS 2720 (Part 5)
58	MECHANICAL- SOIL- BASIC	Soil	Plasticity Index	IS 2720 (Part 5)
59	MECHANICAL- SOIL- BASIC	Soil	Sieve Analysis (0.075 to 90 mm sieve size)	IS 2720 (Part 4)
60	MECHANICAL- SOIL- BASIC	Soil	Specific Gravity	IS 2720 (Part 3/Sec 1)

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61	MECHANICAL- SOIL- BASIC	Soil	Water Content	IS 2720 (Part 2)
62	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer Test	IS 516 (Part 5/Sec 4)
63	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Sec 4)

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Site Facility				
1	MECHANICAL- SOIL- FIELD	Soil	Field dry density by core cutter method	IS 2720 (Part 29)
2	MECHANICAL- SOIL- FIELD	Soil	Field dry density by sand replacement method	IS 2720 (Part 28)
3	MECHANICAL- SOIL- FIELD	Soil	Standard penetration test	IS 2131
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer Test	IS 516 (Part 5/Sec 4)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Sec 4)