National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KARNATAKA TEST HOUSE PVT. LTD., 778/44, GOKUL 1ST STAGE, 2ND PHASE, 8TH CROSS, TRIVENI ROAD, YESHWANTHPUR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/07/2022 to 11/07/2024 **Last Amended on** 02/09/2022

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	Ductility	IS 1208
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
3	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength (Load 10kN to 600 kN)	IS 3495 (Part 2)
4	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension(Height)	IS 1077
5	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension(Length)	IS 1077
6	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension(Width)	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
8	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	Is 3495 (Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	Cement	Autoclave Method (Soundness)	IS 4031 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength (Load 10kN to 400 kN)	IS 4031 (Part 6)
11	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
12	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
13	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness(Blaine's Method)	IS 4031 (Part 2)
14	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	Is 4031 (Part 5)
15	MECHANICAL- BUILDINGS MATERIALS	Cement	Le-Chatlier Method(Soundness)	IS 4031 (Part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Bulk Density	IS 13630 (Part 2)
17	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Crazing Test	Is 13630 (Part 9)
18	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of Rupture	IS 13630 (Part 6)

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19	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% fines Value	IS 2386 (Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Abrasion Value	IS 2386 (Part 4)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Crushing Value	IS 2386 (Part 4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 (Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose & Rodded)	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm to 63mm)	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Concrete BLOCKS(Hollow/Solid)	Block Density	IS 2185 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks(Hollow/Solid)	Compressive Strength (Load: 10 kN to 1500 kN)	IS 2185 (Part 1)
33	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks(Hollow/Solid)	Water Absorption	IS 2185 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength (5kN to 1000kN)	IS 516 (Part-4)
35	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength (10kN to 2000kN)	IS 516 (Part1/Sec1)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density(Loose & Rodded)	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Particle Finer than 75 Micron	IS 2386 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.15mm to 4.75mm)	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement	Bend	IS 1599
43	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement	Elongation	IS 1608 (Part-1)
44	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement	Rebend Test	IS 1786
45	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement	Tensile Strength (20 kN to 800 kN)	IS 1608 (Part-1)
46	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed steel bars and Wires for concrete Reinforcement	Weight/Meter	IS 1786
47	MECHANICAL- BUILDINGS MATERIALS	High strength deformed Steel bars and Wires for Concrete Reinforcement	Yield Stress (Load 10 kN to 500 kN)	IS 1608 (Part-1)
48	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	water Absorption	IS 15658
49	MECHANICAL- BUILDINGS MATERIALS	Pavers Blocks	Compressive strength (Load: 20kN to 2000kN)	IS 15658
50	MECHANICAL- SOIL AND ROCK	Rock	Point Load index	IS 8764
51	MECHANICAL- SOIL AND ROCK	Rock	Uniaxial Compressive Strength	IS 9143
52	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS 2720 (Part 16)
53	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (CC)	IS 2720 (Part 15)
54	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
55	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Internal Angle of friction)	IS 2720 (Part 13)
56	MECHANICAL- SOIL AND ROCK	Soil	Field Density (By Sand Replacement Method)	IS 2720 (Part 28)

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57	MECHANICAL- SOIL AND ROCK	Soil	Field Density(By Core Cutter Method)	IS 2720 (Part 29)
58	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
59	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction(MDD)	IS 2720 (Part 8)
60	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction(OMC)	IS 2720 (Part 8)
61	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction(MDD)	IS 2720 (Part 7)
62	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction(OMC)	IS 2720 (Part 7)
63	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
64	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
65	MECHANICAL- SOIL AND ROCK	Soil	Particle Size Analysis by Hydrometer Method (0.002mm to 0.075mm)	IS 2720 (Part 4)
66	MECHANICAL- SOIL AND ROCK	Soil	Particle Size Analysis by Wet sieving (0.075mm to 10mm)	IS 2720 (Part 4)
67	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
68	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3) Sec 1 & 2
69	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear with Pore Pressure (CU) (Cohesion)	IS 2720 (Part 12)
70	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear with pore pressure (CU) (Internal Angle of friction)	IS 2720 (Part 12)
71	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Without Pore pressure (UU) (Cohesion)	IS 2720 (Part 11)
72	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear without Pore Pressure(UU) (Internal Angle of friction)	IS 2720 (Part 11)
73	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials – Reinforced Concrete Structures	Cover Meter Test	BS 1881 (Part 204)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials – Reinforced Concrete Structures	Rebound Hammer Test	IS 516-Part-5/Sec4
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials – Reinforced Concrete Structures	Ultrasonic Pulse Velocity Tests	IS 516 Part 5 Section 1
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials- Reinforced Concrete Structures	Carbonation Test	IS 516-Part-5/Sec3
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials- Reinforced Concrete Structures	Half - Cell Potential Test	IS 516-Part-5/Sec2