National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY TESTING & RESEARCH CENTRE, KHASRA NO. 67 M, GANGAPUR RAQBA, KASHIPUR, UDAM SINGH NAGAR, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10628 **Page No** 1 of 5

Validity 18/05/2022 to 17/05/2024 **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	Aggregate using for Bituminous mix	Gradation	IS 2386 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen mix material	Binder content	ASTM D2172
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (P-1)
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
5	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Length)	IS 1077
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 (P-3)
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (P-2)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10 % Fines Value	IS 2386 (P-4)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Impact Value	IS 2386 (P-4)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (P-3)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Clay & Lumps	IS 2386 (P-2)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Coal & Lignite	IS 2386 (P-2)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Combined Flakiness & Elongation	IS 2386 (P-1)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (P-4)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation index	IS 2386 (P-1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (P-1)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Material finer than 75 micron	IS 2386 (P-1)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Organic Impurities	IS 2386 (P-2)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Particle Size (Sieve analysis)	IS 2386 (P-1)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (P-5)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (P-3)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (P-3)
24	MECHANICAL- BUILDINGS MATERIALS	Compacted Bitumen paving mix	Thickness	ASTM D3549
25	MECHANICAL- BUILDINGS MATERIALS	compacted bituminous mix	Density	ASTM D2726
26	MECHANICAL- BUILDINGS MATERIALS	Concrete paver Blocks	Compressive Strength	IS 15658
27	MECHANICAL- BUILDINGS MATERIALS	Concrete paver Blocks	Water absorption	IS 15658
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (P-3)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking	IS 2386 (P-3)
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Clay & Lumps	IS 2386 (P-2)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Coal & Lignite	IS 2386 (P-2)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material finer than 75 micron	IS 2386 (P-1)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS 2386 (P-2)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Particle Size (Sieve analysis)	IS 2386 (P-1)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness	IS 2386 (P-5)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (P-5)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (P-3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Compressive Strength	IS 3495 (P-1)
39	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension (Height)	IS 13757
40	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension (Length)	IS 13757
41	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension (Width)	IS 13757
42	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Efflorescence	IS 3495 (P-3)
43	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Water Absorption	IS 3495 (P-2)
44	MECHANICAL- BUILDINGS MATERIALS	Hardened concrete cube	Compressive Strength	IS 516
45	MECHANICAL- BUILDINGS MATERIALS	Sub Base Non Bituminous: GSB, WBM, WMM	Aggregate Impact Value	IS 2386 (P-4)
46	MECHANICAL- BUILDINGS MATERIALS	Sub Base Non Bituminous: GSB, WBM, WMM	Combined Flakiness & Elongation	IS 2386 (P-1)
47	MECHANICAL- BUILDINGS MATERIALS	Sub Base Non Bituminous: GSB, WBM, WMM	Crushing Value	IS 2386 (P-4)
48	MECHANICAL- BUILDINGS MATERIALS	Sub Base Non Bituminous: GSB, WBM, WMM	Elongation Index	IS 2386 (P-1)
49	MECHANICAL- BUILDINGS MATERIALS	Sub Base Non Bituminous: GSB, WBM, WMM	Flakiness Index	IS 2386 (P-1)
50	MECHANICAL- BUILDINGS MATERIALS	Sub Base Non Bituminous: GSB, WBM, WMM	Particle Size (Sieve analysis)	IS 2386 (P-1)
51	MECHANICAL- BUILDINGS MATERIALS	Sub Base Non Bituminous: GSB, WBM, WMM	Specific Gravity	IS 2386 (P-3)
52	MECHANICAL- BUILDINGS MATERIALS	Sub Base Non Bituminous: GSB, WBM, WMM	Water Absorption	IS 2386 (P-3)
53	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete structure	Half Cell Potential test	IS 516 (P-5) SEC-2/ ASTM C876-91
54	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer test	IS 516 (P-5) Sec-4

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55	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete structure	Ultrasonic Pulse Velocity	IS 516 (P-5) SEC-1

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete structure	Half Cell Potential test	IS 516 (P-5) SEC-2/ ASTM C876-91
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer test	IS 516 (P-5) Sec-4
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete structure	Ultrasonic Pulse Velocity	IS 516 (P-5) SEC-1