National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENGINEERING DIAGNOSTIC & RESEARCH CENTER, AMBIWALA, DEHRADUN, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8963 **Page No** 1 of 3

Validity 21/11/2022 to 20/11/2024 **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	Binder Content	ASTM D2172
2	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS 3495 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Bricks	efflorescence	IS 3495 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption	IS 3495 (Part 2)
5	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS 4031 (Part 6)
6	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031(Part 11)
7	MECHANICAL- BUILDINGS MATERIALS	cement	Final Setting time	IS 4031 (Part 5)
8	MECHANICAL- BUILDINGS MATERIALS	cement	Initial setting time	IS 4031 (Part 5)
9	MECHANICAL- BUILDINGS MATERIALS	Cement	soundness by Le-chatelier method	IS 4031 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Cement	standered consistency	IS 4031 (Part 4)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Bulk density	IS 2386 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Crushing value	IS 2386 (Part 4)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Elongation Index	IS 2386 (Part 1)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Impact Value	IS 2386 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Los Angeles abrasion Value	IS 2386 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (100 mm to 2.36 mm)	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Specific Gravity	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Water absorption	IS 2386 (Part 3)

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19	MECHANICAL- BUILDINGS MATERIALS	concrete cube	Compressive strength	IS 516
20	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver blocks	Compressive strength	IS 15658
21	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver blocks	Water absorption	IS 15658
22	MECHANICAL- BUILDINGS MATERIALS	Course Aggregate	Flakiness index	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk Density	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Sieve analysis (10.00 mm to 0.075 mm)	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	fine aggregate	specific gravity	IS 2386 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Water absorption	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel(bar)	Tensile Strength	IS 1608 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel(rebar)	% Elongation	IS 1608 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	reinforcement steel(rebar)	mass per meter	IS 1786
30	MECHANICAL- BUILDINGS MATERIALS	steel bar	0.2 % Proof stress	IS 1608 (Part 1)
31	MECHANICAL- SOIL AND ROCK	soil	California Bearing ratio	IS 2720 (Part 16)
32	MECHANICAL- SOIL AND ROCK	soil	Free Swell Index	IS 2720 (Part 40)
33	MECHANICAL- SOIL AND ROCK	soil	Grain size analysis (100.00 mm to 0.075 mm)	IS 2720 (Part 4)
34	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction (MDD)	IS 2720 (Part 8)
35	MECHANICAL- SOIL AND ROCK	soil	Heavy compaction (OMC)	IS 2720 (Part 8)
36	MECHANICAL- SOIL AND ROCK	soil	Light compaction (MDD)	IS 2720 (Part 7)
37	MECHANICAL- SOIL AND ROCK	soil	Light compaction (OMC)	IS 2720 (Part 7)

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38	MECHANICAL- SOIL AND ROCK	soil	Liquid limit	IS 2720 (Part 5)
39	MECHANICAL- SOIL AND ROCK	soil	Plastic Limit	IS 2720 (Part 5)
40	MECHANICAL- SOIL AND ROCK	soil	shrinkage limit	IS 2720 (Part 12)
41	MECHANICAL- SOIL AND ROCK	soil	specific Gravity	IS 2720 (Part 5)
42	MECHANICAL- SOIL AND ROCK	soil	Tri-axial Test (UU) (C)	IS 2720 (Part 11)
43	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial test (UU), Ø	IS 2720 (Part 11)
44	MECHANICAL- SOIL AND ROCK	soil	Water content	IS 2720 (Part 2)