National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ALLIED RESEARCH CENTRE, ASHIRWAD CO-OP HOUSING SOCIETY LTD, A-7-10, PLOT NO.13, SECTOR 6, GHANSOLI, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6692 **Page No** 1 of 3

Validity 04/02/2022 to 03/02/2024 **Last Amended on** 27/05/2022

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	Cement	Compressive Strength	IS 4031 (Part 6)
2	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
3	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
4	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness By Blaine's Air Permeability Apparatus	IS 4031 (Part 2)
5	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
6	MECHANICAL- BUILDINGS MATERIALS	Cement	Normal Consistency	IS 4031 (Part 4)
7	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness By Le-Chatlier	IS-4031 (Part 3)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Dry Loose and Rodded)	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis(80 mm to 2.36 mm)	IS 2386 (Part 1)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube/ Core	Compressive Strength	IS 516

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19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Dry Loose and Rodded)	IS 2386 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer Than 75 micron	IS 2386 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis(10 mm to 75 micron)	IS 2386 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
24	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS 13030
25	MECHANICAL- SOIL AND ROCK	Rock	Natural Moisture Content	IS 13030
26	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
27	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
28	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1122
29	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
30	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 13030
31	MECHANICAL- SOIL AND ROCK	Soil	CBR(Soaked)	IS 2720 (Part 16)
32	MECHANICAL- SOIL AND ROCK	Soil	CBR(Unsoaked)	IS 2720 (Part 16)
33	MECHANICAL- SOIL AND ROCK	Soil	Cohesion By Direct Shear Test (UU)	IS 2720 (Part 13)
34	MECHANICAL- SOIL AND ROCK	Soil	Cohesion By Tri-Axial Shear Test (UU)	IS 2720 (Part 11)
35	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
36	MECHANICAL- SOIL AND ROCK	Soil	Friction Angle By Direct Shear Test (UU)	IS 2720 (Part 13)
37	MECHANICAL- SOIL AND ROCK	Soil	Friction Angle By Tri-Axial Test (UU)	IS 2720 (Part 11)

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38	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer (0.075 mm to 0.001 mm)	IS 2720 (Part 4)
39	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
40	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density (Heavy Compaction)	IS 2720 (Part 8)
41	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density (Light Compaction)	IS 2720 (Part 7)
42	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Heavy Compaction)	IS 2720 (Part 8)
43	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Light Compaction)	IS 2720 (Part 7)
44	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
45	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis (Coarse : 80 mm to 4.75 mm)	IS 2720 (Part 4)
46	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis (Fine : 4.75 mm to 75 micron)	IS 2720 (Part 4)
47	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/ Section 1 & 2)
48	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)