National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SAMARTH INFRAENGG TECHNOCRATS PRIVATE LIMITED (GEO AND CIVIL ENGINEERING MATERIAL TESTING LABORATORY), SURVEY NO. 65, SAINAGAR PHASE-2, SITA ENCLAVE, BALAPUR VILLAGE, BALAPUR MANDAL, HYDERABAD, RANGAREDDY, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11365 **Page No** 1 of 3

Validity 10/02/2023 to 09/02/2025 **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 Mix	Binder Content	IRC SP 112
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen Viscosity Grade Bitumen, Crumb Rubber Modified Bitumen, Polymer Modified Bitumen	Absolute Viscosity @ 60 °C	IS 1206 (Part 2)
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen Viscosity Grade Bitumen, Crumb Rubber Modified Bitumen, Polymer Modified Bitumen	Indirect Tensile Strength	AASHTO T283
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen Viscosity Grade Bitumen, Crumb Rubber Modified Bitumen, Polymer Modified Bitumen	Kinematic Viscosity @ 135 °C to 150 °C	IS 1203 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen Viscosity Grade Bitumen, Crumb Rubber Modified Bitumen, Polymer Modified Bitumen	Maximum Theoretical Specific Gravity	ASTM D 2041 - 03a
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen Viscosity Grade Bitumen, Crumb Rubber Modified Bitumen, Polymer Modified Bitumen	Penetration	IS 1203
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen Viscosity Grade Bitumen, Crumb Rubber Modified Bitumen, Polymer Modified Bitumen	Softening Point	IS 1205
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixes	Flow Value	ASTM D6927
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixes	Marshal Stability	ASTM D6927
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixes (DBM/BC/BM/SDBC)	Sieve Analysis (0.075 mm to 45 mm)	IS 2386 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (Part 4)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Rodded)	IS 2386 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 80 mm)	IS 2386 (Part 1)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
22	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1/ Section 1)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Rodded)	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer Than 75 Microns	IS 2386 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (150 microns to 10 mm)	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Crushing Value	IS 2386 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Elongation Index	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Flakiness Index	IS 2386 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Impact Value	IS 2386 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Sieve Analysis (0.075 mm to 53 mm)	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Steel Bar TMT bar	Mass Per Metre	IS 1786
35	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Crushing Value	IS 2386 (Part 4)
36	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Elongation Index	IS 2386 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Flakiness Index	IS 2386 (Part 1)

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38	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Impact Value	IS 2386 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Sieve Analysis (53mm to 0.075mm)	IS 2386 (Part 1)
40	MECHANICAL- SOIL AND ROCK	Granular Sub Base	Heavy Compaction MDD	IS 2720 (Part 8)
41	MECHANICAL- SOIL AND ROCK	Granular Sub Base	Heavy Compaction OMC	IS 2720 (Part 8)
42	MECHANICAL- SOIL AND ROCK	Granular Sub Base	Liquid Limit	IS 2720 (Part 5)
43	MECHANICAL- SOIL AND ROCK	Granular Sub Base	Plastic Limit	S 2720 (Part 5)
44	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
45	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
46	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075mm-100mm)	IS 2720 (Part 4)
47	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS 2720 (Part 8)
48	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 (Part 8)
49	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 (Part 7)
50	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 (Part 7)
51	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
52	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
53	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	Heavy Compaction MDD	IS 2720 (Part 8)
54	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	Heavy Compaction OMC	IS 2720 (Part 8)
55	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	Liquid Limit	IS 2720 (Part 5)
56	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	Plastic Limit	IS 2720 (Part 5)