SCOPE OF ACCREDITATION

Laboratory Name : VIVEK MATERIAL TESTING LABORATORY, SHIV SHAKTI SQUARE SHOP NO. G-3, LUCKNOW, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8969 **Page No** 1 of 4

Validity 24/08/2022 to 23/08/2024 **Last Amended on** 19/04/2023

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	Burnt Clay Fly Ash Brick	Dimension (Length)	IS 13757
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Brick	Dimension (Width)	IS 13757
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Bricks	Dimension (Height)	IS 13757
4	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 (Part 4)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material (Soft Particles)	IS 2386 (Part 2)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size: 80 mm to 2.36 mm)	IS 2386 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay	Dimension (Height)	IS 1077
13	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay	Dimension (Length)	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay	Dimension (Width)	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay, Lime/ Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay, Lime/ Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material (Clay Lumps)	IS 2386 (Part 2)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8969 **Page No** 2 of 4

Validity 24/08/2022 to 23/08/2024 **Last Amended on** 19/04/2023

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
19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size: 10mm - 0.150mm)	IS 2386 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash- Lime Bricks	Dimension (Height)	IS 12894
23	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash- Lime Bricks	Dimension (Length)	IS 12894
24	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash- Lime Bricks	Dimension (Width)	IS 12894
25	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Compression Index (Cc)	IS: 2720 (Part 15)
26	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear- Angle of Shearing Resistance	IS: 2720 (Part 13)
27	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test Cohesion	IS 2720 (Part 13)
28	MECHANICAL- SOIL AND ROCK	Soil	Dry Density in place of Core cutter method	IS 2720 (part 29)
29	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS: 2720 (Part 40)
30	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075 to 10 mm)	IS: 2720 (Part 4)
31	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density	IS: 2720 (Part 8)
32	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS: 2720 (Part 8)
33	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density	IS: 2720 (Part 7)
34	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content	IS: 2720 (Part 7)
35	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Casagrade Apparatus	IS: 2720 (Part 5)
36	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit Test by Cone Penetration Method	IS 2720 (Part 5)
37	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS: 2720 (Part 5)

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Certificate Number TC-8969 **Page No** 3 of 4

Validity 24/08/2022 to 23/08/2024 **Last Amended on** 19/04/2023

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
38	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
39	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS: 2720 (Part 3 / Sec 1)
40	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Angle of Shearing Resistance	IS: 2720 (Part 11)
41	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression- Cohesion	IS 2720 (Part 11)
42	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS: 2720 (Part 10)
43	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Oven Drying Method	IS: 2720 (Part 2)
44	MECHANICAL- SOIL AND ROCK	Soil	Weighted Mean Diameter (dm) (Silt Factor)	IRC :5 Clause no. 106.9.3.1, Appendix 2 & IRC 78 Clause no. 703.2.2

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Certificate Number TC-8969 **Page No** 4 of 4

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Dry Density In Place by Core Cutter Method	IS: 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Dry Density In Place by Sand Replacement Method	IS: 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Soil	Dynamic Cone Penetration	IS: 4968 (Part 1)
4	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test on Soil	IS: 1888
5	MECHANICAL- SOIL AND ROCK	Soil	Soil Earth Resistivity Test	IS 3043 (Second Revision) Clause no 40
6	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131