National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GRAVITECH ENGINEERS, D-156, SECTOR-7, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10570 **Page No** 1 of 4

Validity 30/04/2022 to 29/04/2024 **Last Amended on** 01/06/2022

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	CHEMICAL- BUILDING MATERIAL	Cement	Alumina	IS 4032
2	CHEMICAL- BUILDING MATERIAL	Cement	Calcium Oxide	IS 4032
3	CHEMICAL- BUILDING MATERIAL	Cement	Chloride Content	IS 4032
4	CHEMICAL- BUILDING MATERIAL	Cement	Insoluble Residue	IS 4032
5	CHEMICAL- BUILDING MATERIAL	Cement	Iron Oxide	IS 4032
6	CHEMICAL- BUILDING MATERIAL	Cement	Loss on Ignition	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement	Magnesia (Mgo)	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement	Silica	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement	Sulphuric Anhydride (SO3)	IS 4032
10	CHEMICAL- WATER	Construction Water	Acidity (ml of 0.02N NaOH Solution used to neutralize 100 ml of Water Sample)	IS 3025 (Part 22)
11	CHEMICAL- WATER	Construction Water	Alkalinity (ml of 0.02 N H2SO4 Solution used to neutralize 100 ml of Water Sample using Mixed Indicator)	IS 3025 (Part 23)
12	CHEMICAL- WATER	Construction Water	Chloride	IS 3025 (Part 32)
13	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (Part 18)
14	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18)
15	CHEMICAL- WATER	Construction Water	pH Value	IS 3025 (Part-11) Electrometric Method
16	CHEMICAL- WATER	Construction Water	Sulphate (SO3)	IS 3025 (Part 24)
17	CHEMICAL- WATER	Construction Water	Total Suspended Solids	IS 3025 (Part 17) Gravimetric Method
18	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension - Length	IS 2185 (Part 1)
19	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 2185 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : GRAVITECH ENGINEERS, D-156, SECTOR-7, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10570 **Page No** 2 of 4

Validity 30/04/2022 to 29/04/2024 **Last Amended on** 01/06/2022

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
20	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Density	IS 2185 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension - Thickness	IS 2185 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension - Width	IS 2185 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Water Absorption	IS 2185 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point/ Fire Point	IS 1448 (Part 69)
25	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1201 to 1220
26	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1201 to 1220
27	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Compressive Strength	IS 3495 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension - Height	IS 1077
29	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension - Length	IS 1077
30	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension - Width	IS 1077
31	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Efflorescence	IS 3495 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Water Absorption	IS 3495 (Part 2)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10 % Fines Value	IS 2386 (Part 4)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)

SCOPE OF ACCREDITATION

Laboratory Name : GRAVITECH ENGINEERS, D-156, SECTOR-7, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10570 **Page No** 3 of 4

Validity 30/04/2022 to 29/04/2024 **Last Amended on** 01/06/2022

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
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve Size: 2.36 mm to 80 mm)	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 11)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1, Section 1)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material - Finer than 75 micron IS Sieve	IS 2386 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (Sieve Size: 10 mm to 75 Micron)	IS 2386 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	OPC/ PPC	Compressive Strength	IS 4031 (Part 6)
49	MECHANICAL- BUILDINGS MATERIALS	OPC/ PPC	Consistency	IS 4031 (Part 4)
50	MECHANICAL- BUILDINGS MATERIALS	OPC/ PPC	Density	IS 4031 (Part 11)
51	MECHANICAL- BUILDINGS MATERIALS	OPC/ PPC	Fineness by Blaine Air Permeability Apparatus	IS 4031 (Part 2)
52	MECHANICAL- BUILDINGS MATERIALS	OPC/ PPC	Setting Time - Initial	IS 4031 (Part 5)
53	MECHANICAL- BUILDINGS MATERIALS	OPC/ PPC	Setting Time (Final)	IS 4031 (Part 5)
54	MECHANICAL- BUILDINGS MATERIALS	OPC/ PPC	Soundness by Autoclave Method	IS 4031 (Part 3)
55	MECHANICAL- BUILDINGS MATERIALS	OPC/ PPC	Soundness by Le-chatlier Method	IS 4031 (Part 3)
56	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
57	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658

SCOPE OF ACCREDITATION

Laboratory Name : GRAVITECH ENGINEERS, D-156, SECTOR-7, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10570 **Page No** 4 of 4

Validity 30/04/2022 to 29/04/2024 **Last Amended on** 01/06/2022

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
58	MECHANICAL- BUILDINGS MATERIALS	Stone (Marble, Kota Stone & Granite)	Moisture Content	IS 1124
59	MECHANICAL- BUILDINGS MATERIALS	Stone (Marble, Kota Stone & Granite)	Specific Gravity	IS 1122
60	MECHANICAL- BUILDINGS MATERIALS	Stone (Marble, Kota Stone & Granite)	Water Absorption	IS 1124
61	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit - Liquid Limit	IS 2720 (Part 5)
62	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit - Plastic Limit	IS 2720 (Part 5)
63	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR) Value	IS 2720 (Part 16)
64	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 1)
65	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
66	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8)
67	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test - Maximum Dry Density	IS 2720 (Part 7)
68	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test - Optimum Moisture Content	IS 2720 (Part 7)