National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SHIRKE MATERIAL TESTING LABORATORY, B.G SHIRKE CONSTRUCTION TECHNOLOGY PRIVATE LIMITED, POCKET 11, SECTOR A1 TO A4, NARELA, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7837 **Page No** 1 of 3

Validity 24/02/2023 to 23/02/2025 **Last Amended on** 05/03/2023

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	AAC Blocks	Bulk Density	IS : 6441 (Part-1)
2	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compressive Strength	IS : 6441 (Part-5)
3	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimension - Length	IS : 2185 (Part-3)
4	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimension - Thickness	IS : 2185 (Part-3)
5	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimension - Width	IS : 2185 (PArt-3)
6	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Drying Shrinkage	IS : 6441 (Part-2)
7	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 43/53 Grade	Compressive Strength	IS 4031 (part 6)
8	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 43/53 Grade	Final Setting Time	IS 4031 (part 5)
9	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 43/53 Grade	Fineness By Blaine Air Permability Method	IS 4031 (part 2)
10	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 43/53 grade	Initial Setting Time	IS 4031 (Part-5)
11	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 43/53 Grade	Soundness By Autoclave Method	IS 4031 (part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 43/53 Grade	Soundness by Le-Chatelier Method	IS 4031 (part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 43/53 Grade	Specific Gravity	IS 4031 (part 11)
14	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 43/53 Grade	Standard Consistency	IS 4031 (Part-4)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregates Crushing Value	IS 2386 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (part 1)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Material Finer Than 75 micron	IS 2386 (Part 2)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (40mm to 10mm)	IS 2386 (part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
25	MECHANICAL- BUILDINGS MATERIALS	Concrete	Water Permeability Test	IS 516
26	MECHANICAL- BUILDINGS MATERIALS	Concrete	Workability by Slump	IS 1199 pt2
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material finer Than 75 Micron	IS 2386 (Part 2)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (75micron to 10mm)	IS 2386 (part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
33	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness Specific Surface blaine Air Permeability	IS 1727
34	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
35	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Retained on 45 micron Sieve	IS 1727
36	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave Method	IS 4031 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Le-Chatelier Method	IS 4031 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
39	MECHANICAL- BUILDINGS MATERIALS	Glazed/Ceramic Tiles	Chemical Resistance for Stains	IS 13630 (Part 8)
40	MECHANICAL- BUILDINGS MATERIALS	Glazed/Ceramic Tiles	Hardness According MOHS	IS 13630 (Part 13)
41	MECHANICAL- BUILDINGS MATERIALS	Glazed/Ceramic Tiles	Water Absorption	IS 13630 (part 2)
42	MECHANICAL- BUILDINGS MATERIALS	Ready Mix Mortar	Compressive Strength	IS : 2250
43	MECHANICAL- BUILDINGS MATERIALS	Ready Mix Mortar	Split Tensile Strength	ASTM C-1660-09
44	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Cover meter	BS 1881-204
45	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Test	Is 516 (part 5) Sec-04
46	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic Pulse Velocity Test	IS 516 (Part -5) Sec-1