National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SHAGYA TESTING AND RESEARCH, BONDIA PARISAR, JUTE MILL ROAD, RAIGARH, CHHATTISGARH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9044 **Page No** 1 of 3

Validity 15/10/2022 to 14/10/2024 **Last Amended on** 09/05/2023

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 Building Brick & Burnt Clay Fly Ash Building Brick	Compressive Strength	IS 3495 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Brick & Burnt Clay Fly Ash Building Brick	Dimension (Length, Width, Height)	IS 1077
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Brick & Burnt Clay Fly Ash Building Brick	Efflorescence	IS 3495 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Brick & Burnt Clay Fly Ash Building Brick	Water absorption	IS 3495 (Part 2)
5	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Compressive strength	IS 4031 (Part 6)
6	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Consistency	IS 4031 (Part:4)
7	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Density	IS 4031 (Part 11)
8	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Final Setting Time	IS 4031 (Part 5)
9	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Fineness by Specific surface by Blain air permeability	IS 4031 (Part 2)
10	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Initial Setting Time	IS 4031 (Part 5)
11	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Soundness by le-chahatlier	IS 4031 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Core	Compressive Strength	516
13	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Cube	Compressive Strength	516
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	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	Impact value	IS 2386 (Part 4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analyses(Gradation)	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	Ten Percent Fines Value	IS 2386 (Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Course Aggregate	Flakiness Index	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk Density	IS 2386:(Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	CPWD VOL-1 (In House SOP)
25	MECHANICAL- BUILDINGS MATERIALS	fine aggregates	Sieve Analysis (Gradation)	IS 2386:(Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386;(Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Water Absorption	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Compressive Strength	IS 15658 (Annex. -D)
29	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Dimensions	IS 15658 (Annex. B)
30	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Water Absorption	IS 15658 (Annex.-C)
31	MECHANICAL- BUILDINGS MATERIALS	Reinforcement & Structural Steel	Bend	IS 1599
32	MECHANICAL- BUILDINGS MATERIALS	Reinforcement & Structural Steel	Mass per Meter	IS 1786
33	MECHANICAL- BUILDINGS MATERIALS	Reinforcement & Structural Steel	Percentage Elongation	IS 1608(Part-1)
34	MECHANICAL- BUILDINGS MATERIALS	Reinforcement & Structural Steel	Rebend	IS 1786
35	MECHANICAL- BUILDINGS MATERIALS	Reinforcement & Structural Steel	Tensile strength	IS 1608 (Part-1)
36	MECHANICAL- BUILDINGS MATERIALS	Reinforcement & Structural Steel	Yield Stress	IS 1608 (Part-1)
37	MECHANICAL- SOIL AND ROCK	Clays and Soils	Free Swell Index	IS 2720 (Part 40)

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38	MECHANICAL- SOIL AND ROCK	Clays and Soils	Grain size Analysis – 1) Dry	IS 2720 (Part 4)
39	MECHANICAL- SOIL AND ROCK	Clays and Soils	Grain size Analysis –wet	IS 2720 (Part 4)
40	MECHANICAL- SOIL AND ROCK	Clays and Soils	Liquid Limit	IS 2720 (Part 5)
41	MECHANICAL- SOIL AND ROCK	Clays and Soils	Plastic Limit	IS 2720 (Part 5)
42	MECHANICAL- SOIL AND ROCK	Clays and Soils	Water content/Moisture Content	IS 2720(Part 2)