National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ASIAN TEST HOUSE, FCA-3524 S.G.M NAGAR, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8468 **Page No** 1 of 4

Validity 11/08/2022 to 10/08/2024 **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	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	Carbon	IS:228(P-1)
2	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	Magnanese	IS:228(P-2)
3	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	Phosphorous	IS:228(P-3)
4	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	Silicon	IS:228(P-8)
5	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	Sulphur	IS:228(P-9)
6	CHEMICAL- WATER	Water for construction purpose	Acidity(Volume of 0.02N NaOH consumed to neutralized 100 ml of water)	IS:3025(Pt-22)
7	CHEMICAL- WATER	Water for construction purpose	Alkalinity(Volume of 0.02N H2SO4 consumed to Neutralize 100 ml Sample of water, ml)	IS:3025(Pt-23)
8	CHEMICAL- WATER	Water for construction purpose	Chloride	S:3025(Pt-32)
9	CHEMICAL- WATER	Water for construction purpose	Inorganic (Fixed Residue)	IS:3025(Pt-18)
10	CHEMICAL- WATER	Water for construction purpose	Organic(Volatile Residue)	IS:3025(Pt-18)
11	CHEMICAL- WATER	Water for construction purpose	pH Value	S:3025(Pt-11)
12	CHEMICAL- WATER	Water for construction purpose	Sulphate(as So3)	Method 2 of IS:3025(Pt-24)
13	MECHANICAL- BUILDINGS MATERIALS	Aggregates	Bulking of fine Aggregates	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
15	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimension	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Consistency	IS 4031 (Part 4)

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20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by blain air permeability	IS 4031 (Part 2)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by dry sieving (% retained)	IS 4031 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
25	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness By Autoclave Method	IS 4031 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness with Le-Chattalier Method	IS 4031 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fineness Value	IS 2386 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles Abrasion Value	IS 2386 (Part 4)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Material Finer than 75 microns Sieve	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water absorption	IS 2386 (Part 3)
38	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516

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39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 microns I.S. Sieve	IS 2386 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis	IS 2386 (Part 1)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Block	Block Density	IS 2185 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Block	Compressive Strength	IS 2185 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Block	Water Absorption	IS 2185 (Part 1)
47	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658 (Annexure D)
48	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimensions	IS 15658 (Annexure B)
49	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658 (Annexure C)
50	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic materials (Fly ash)	Fineness by Blaine Air Permeability	IS 1727
51	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic materials (Fly ash)	Soundness by autoclave	IS 1727
52	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic materials (Fly ash)	Specific Gravity	IS 1727
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel/Reinforcement/Structural Steel	% Elongation	IS 1608 Part1
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel/Reinforcement/Structural Steel	Bend	IS 1599 (Clause 4.2)
55	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel/Reinforcement/Structural Steel	Rebend	IS 1786 (Reaffirmed)

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56	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel/Reinforcement/Structural Steel	Ultimate Tensile strength	IS 1608 Part1
57	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel/Reinforcement/Structural Steel	Yield stress	IS 1608 Part 1
58	MECHANICAL- SOIL AND ROCK	Soil, GSB, WBM, WMM	CBR Value (Lab)	IS:2720(P-16)
59	MECHANICAL- SOIL AND ROCK	Soil, GSB, WBM, WMM	Grain Size Analysis - Wet & Dry	IS 2720(P-4)
60	MECHANICAL- SOIL AND ROCK	Soil, GSB, WBM, WMM	Liquid limit	IS: 2720(P-5)
61	MECHANICAL- SOIL AND ROCK	Soil, GSB, WBM, WMM	Moisture Content	IS:2720(P-2)
62	MECHANICAL- SOIL AND ROCK	Soil, GSB, WBM, WMM	Plastic limit	IS: 2720(P-5)
63	MECHANICAL- SOIL AND ROCK	Soil, GSB, WBM, WMM	Proctor test (Heavy Compaction) Maximum dry density	IS: 2720(P-8)
64	MECHANICAL- SOIL AND ROCK	Soil, GSB, WBM, WMM	Proctor test (Heavy Compaction) Optimum moisture content	IS: 2720(P-8)