National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KETKI CONSULTANCY ENGINEERING SERVICES, KARAM TOLI CHOWK, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9089 **Page No** 1 of 3

Validity 22/03/2023 to 21/03/2025 **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	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay/Fly Ash)	Compressive Strength	IS 3495 (P-1)
2	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay/Fly Ash)	Dimension (Height)	IS 1077:1992, IS 12894
3	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay/Fly Ash)	Dimension (Length)	IS 1077:1992, IS 12894
4	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay/Fly Ash)	Dimension (Width)	IS 1077:1992, IS 12894
5	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay/Fly Ash)	Efflorescence	IS 3495 (P-3)
6	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay/Fly Ash)	Water Absorption	IS 3495 (P-2)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (P-3)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (P-4)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (P-1)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (P-1)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (P-4)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (P-4)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size Range - 90mm to 1.70mm)	IS 2386 (P-1)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (P-3)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (P-3)
16	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Equivalent Cube Compressive Strength	IS 516 (P-4)
17	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part-1, Sec-1)
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (P-3)

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19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (P-2)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size Range - 10mm to 75 micron)	IS 2386 (P-1)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (P-3)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (P-3)
23	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
24	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural Steel	Elongation	IS 1608 (Part-1)
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural Steel	Ultimate Tensile Strength	IS 1608 (Part-1)
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Stress	IS 1608 (Part-1)
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel	Elongation	IS 1608 (Part-1)
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel	Mass	IS 1786
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel	Tensile Strength	IS 1608 (Part-1)
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel	Yield Stress	IS 1608 (Part-1)
32	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR Value - 96 Hours Soaked Condition)	IS 2720 (Part-16)
33	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Angle of Internal Friction (Phi Value)	IS 2720 (Part-13)
34	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Cohesion Intercept (C Value)	IS 2720 (Part-13)

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35	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (P-40)
36	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction- Maximum Dry Density	IS 2720 (P-8)
37	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction-Optimum Moisture Content	IS 2720 (P-8)
38	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (P-5)
39	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (P-2)
40	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (P-5)
41	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis	IS 2720 (P-4)
42	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (P-3/Sec-1)