



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name S. K. CONSULTANCY & LABORATORY, PLOT NO: 58, CHANDRAGIRI COLONY, TRIMULGHERRY, SECUNDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5576 Page No. : 1 / 7

Validity 08/05/2019 to 07/05/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	MECHANICAL-BUILDINGS MATERIALS	BITUMEN	DUCTILITY	IS 1208: 2014	5 cm to 100 cm
2	MECHANICAL-BUILDINGS MATERIALS	BITUMEN	PENETRATION	IS 1203: 2013	10 mm to 100 mm
3	MECHANICAL-BUILDINGS MATERIALS	BITUMEN	SOFTENING POINT	IS 1205: 2014	35 °C to 80 °C
4	MECHANICAL-BUILDINGS MATERIALS	BITUMEN	SPECIFIC GRAVITY	IS 1202: 2013	0.99 to 1.102
5	MECHANICAL-BUILDINGS MATERIALS	BITUMINOUS MIX	BITUMEN CONTENT	IRC SP 11 APPENDIX 5: 1984	2 % to 8 %
6	MECHANICAL-BUILDINGS MATERIALS	BITUMINOUS MIX	DENSITY	ASTM D 2041: 2011	1.5 g/cc to 3.5 g/cc
7	MECHANICAL-BUILDINGS MATERIALS	BITUMINOUS MIX	MARSHAL FLOW	ASTM D 6927: 2015	2 mm to 8 mm
8	MECHANICAL-BUILDINGS MATERIALS	BITUMINOUS MIX	MARSHAL STABILITY	ASTM D 2041: 2015	8 kN to 40 kN
9	MECHANICAL-BUILDINGS MATERIALS	BURNT CLAY BRICKS	COMPRESSIVE STRENGTH	IS 3495 (PART I): 2016	1 kg/cm ² to 70 kg/cm ²



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10	MECHANICAL-BUILDINGS MATERIALS	BURNT CLAY BRICKS	DIMENSIONS - HEIGHT	IS 1077: 2016	1360 mm to 1840 mm
11	MECHANICAL-BUILDINGS MATERIALS	BURNT CLAY BRICKS	DIMENSIONS - LENGTH	IS 1077: 2016	3720 mm to 4680 mm
12	MECHANICAL-BUILDINGS MATERIALS	BURNT CLAY BRICKS	DIMENSIONS - WIDTH	IS 1077: 2016	1760 mm to 2240 mm
13	MECHANICAL-BUILDINGS MATERIALS	BURNT CLAY BRICKS	EFFLORESCENCE	IS 3495 (PART III) : 2016	Qualitative
14	MECHANICAL-BUILDINGS MATERIALS	BURNT CLAY BRICKS	WATER ABSORPTION	IS 3495 (PART II): 2016	1 % to 25 %
15	MECHANICAL-BUILDINGS MATERIALS	CEMENT	COMPRESSIVE STRENGTH (672±4 HOURS)	IS 4031 (PART VI): 2014	10 N/mm ² to 80 N/mm ²
16	MECHANICAL-BUILDINGS MATERIALS	CEMENT	COMPRESSIVE STRENGTH (168±2 HOURS)	IS 4031 (PART VI): 2014	10 N/mm ² to 80 N/mm ²
17	MECHANICAL-BUILDINGS MATERIALS	CEMENT	COMPRESSIVE STRENGTH (72±1 HOURS)	IS 4031 (PART VI): 2014	10 N/mm ² to 80 N/mm ²
18	MECHANICAL-BUILDINGS MATERIALS	CEMENT	DENSITY	IS 4031 (PART XI): 2014	1.5 to 4
19	MECHANICAL-BUILDINGS MATERIALS	CEMENT	FINENESS BY BLAINE'S AIR PERMEABILITY	IS 4031 (PART II): 2013	100 m ² /kg to 700 m ² /kg



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20	MECHANICAL-BUILDINGS MATERIALS	CEMENT	NORMAL CONSISTENCY	IS 4031 (PART IV): 2014	20 % to 40 %
21	MECHANICAL-BUILDINGS MATERIALS	CEMENT	SETTING TIME (FINAL)	IS 4031 (PART V): 2014	100 min. to 600 min.
22	MECHANICAL-BUILDINGS MATERIALS	CEMENT	SETTING TIME (INITIAL)	IS 4031 (PART V): 2014	30 min. to 350 min.
23	MECHANICAL-BUILDINGS MATERIALS	CEMENT	SOUNDNESS BY LE CHATTELIER METHOD	IS 4031 (PART III): 2014	0.1 mm to 10 mm
24	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	BULK DENSITY	IS 2386 (PART III): 2016	1 g/cc to 2.5 g/cc
25	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	CRUSHING VALUE	IS 2386 (PART IV): 2016	1 % to 50 %
26	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	ELONGATION INDEX	IS 2386 (PART I): 2016	1 % to 50 %
27	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	FLAKINESS INDEX	IS 2386 (PART I): 2016	1 % to 50 %
28	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	IMPACT VALUE	IS 2386 (PART IV): 2016	1 % to 50 %
29	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	LOS ANGELES ABRASION VALUE	IS 2386 (PART IV): 2016	1 % to 60 %



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30	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	SIEVE ANALYSIS	IS 2386 (PART I): 2016	20 mm to 25 mm
31	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	SPECIFIC GRAVITY	IS 2386 (PART III): 2016	1.5 to 4
32	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	WATER ABSORPTION	IS 2386 (PART III): 2016	0.1 % to 10 %
33	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATES	10% FINES VALUE	IS 2386 (PART IV): 2016	5 kN to 400 kN
34	MECHANICAL-BUILDINGS MATERIALS	CONCRETE PAVING BLOCKS	COMPRESSIVE STRENGTH	IS 15658: 2017	5 N/mm ² to 80 N/mm ²
35	MECHANICAL-BUILDINGS MATERIALS	CONCRETE PAVING BLOCKS	WATER ABSORPTION	IS 15658: 2017	0.5 % to 20 %
36	MECHANICAL-BUILDINGS MATERIALS	FINE AGGREGATE	BULK DENSITY	IS 2386 (PART III): 2016	1.0 g/cc to 2.5 g/cc
37	MECHANICAL-BUILDINGS MATERIALS	FINE AGGREGATE	MATERIALS FINER THAN 75 MICRONS	IS 2386 (PART I): 2016	0.1 % to 25 %
38	MECHANICAL-BUILDINGS MATERIALS	FINE AGGREGATE	SIEVE ANALYSIS	IS 2386 (PART I): 2016	75 to 4.75 mm
39	MECHANICAL-BUILDINGS MATERIALS	FINE AGGREGATE	SPECIFIC GRAVITY	IS 2386 (PART III): 2016	1.5 to 4



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40	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	WATER ABSORPTION	IS 2386 (PART III): 2016	0.1 % to 10 %
41	MECHANICAL- BUILDINGS MATERIALS	HARDENED CONCRETE	COMPRESSIVE STRENGTH	IS 516: 2013	10 N/mm ² to 80 N/mm ²
42	MECHANICAL- BUILDINGS MATERIALS	HARDENED CONCRETE	FLEXURAL STRENGTH	IS 516: 2013	0.5 N/mm ² to 10 N/mm ²
43	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID CONCRETE BLOCK	BLOCK DENSITY	IS 2185 (PART I): 2015	1000 kg/m ³ to 2400 kg/m ³
44	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID CONCRETE BLOCK	COMPRESSIVE STRENGTH	IS 2185 (PART I): 2015	1 N/mm ² to 35 N/mm ²
45	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID CONCRETE BLOCK	WATER ABSORPTION	IS 2185 (PART I): 2015	1 % to 20 %
46	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID LIGHT WEIGHT CONCRETE BLOCK	COMPRESSIVE STRENGTH	IS 2185 (PART II): 2015	1 to 35
47	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID LIGHT WEIGHT CONCRETE BLOCK	WATER ABSORPTION	IS 2185 (PART II): 2015	1 % to 20 %
48	MECHANICAL- SOIL AND ROCK	ROCK	BRAZILIAN STRENGTH	IS 10082: 2016	1 N/mm ² to 50 N/mm ²
49	MECHANICAL- SOIL AND ROCK	ROCK	DENSITY	IS 13030: 2016	1 g/cc to 4 g/cc
50	MECHANICAL- SOIL AND ROCK	ROCK	POINT LOAD INDEX	IS 8764: 2014	1 N/mm ² to 20 N/mm ²



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51	MECHANICAL- SOIL AND ROCK	ROCK	SLAKE DURABILITY	IS 10050: 2016	5 % to 100 %
52	MECHANICAL- SOIL AND ROCK	ROCK	UNCONFINED COMPRESSIVE STRENGTH	IS 9143: 2016	10 N/mm ² to 200 N/mm ²
53	MECHANICAL- SOIL AND ROCK	ROCK	WATER ABSORPTION	IS 13030: 2016	0.1 % to 20 %
54	MECHANICAL- SOIL AND ROCK	SOIL	CBR TEST	IS 2720 (PART XVI): 2016	1 % to 60 %
55	MECHANICAL- SOIL AND ROCK	SOIL	CONSOLIDATION	IS 2720 (PART XV): 2016	0.1 kg/cm ² to 8 kg/cm ²
56	MECHANICAL- SOIL AND ROCK	SOIL	DIRECT SHEAR - ANGLE OF SHEAR RESISTANCE (Ø)	IS 2720 (PART XIII): 2016	5 ° to 50 °
57	MECHANICAL- SOIL AND ROCK	SOIL	DIRECT SHEAR - COHESION (C)	IS 2720 (PART XIII): 2016	0 kg/cm ² to 0.5 kg/cm ²
58	MECHANICAL- SOIL AND ROCK	SOIL	FREE SWELL INDEX	IS 2720 (PART XXXX): 2016	1 % to 90 %
59	MECHANICAL- SOIL AND ROCK	SOIL	GRAIN SIZE ANALYSIS	IS 2720 (PART IV): 2015	75 to 2 mm
60	MECHANICAL- SOIL AND ROCK	SOIL	HEAVY COMPACTION - MDD	IS 2720 (PART VIII): 2015	1.4 g/cc to 2.6 g/cc
61	MECHANICAL- SOIL AND ROCK	SOIL	HEAVY COMPACTION - OMC	IS 2720 (PART VIII): 2015	1 % to 20 %
62	MECHANICAL- SOIL AND ROCK	SOIL	LIGHT COMPACTION - MDD	IS 2720 (PART VII): 2016	1 g/cc to 3 g/cc
63	MECHANICAL- SOIL AND ROCK	SOIL	LIGHT COMPACTION - OMC	IS 2720 (PART VII): 2016	1 % to 25 %



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64	MECHANICAL- SOIL AND ROCK	SOIL	LIQUID LIMIT	IS 2720 (PART V): 2015	20 % to 80 %
65	MECHANICAL- SOIL AND ROCK	SOIL	MOISTURE CONTENT	IS 2720 (PART II): 2015	0.1 % to 35 %
66	MECHANICAL- SOIL AND ROCK	SOIL	PLASTIC LIMIT	IS 2720 (PART V): 2015	5 % to 50 %
67	MECHANICAL- SOIL AND ROCK	SOIL	SPECIFIC GRAVITY	IS 2720 (PART III SEC 1 & 2): 2016	1 to 3
68	MECHANICAL- SOIL AND ROCK	SOIL	TRIAXIAL TEST - ANGLE OF SHEAR RESISTANCE (ϕ)	IS 2720 (PART XI): 2016	5 ° to 40 °
69	MECHANICAL- SOIL AND ROCK	SOIL	TRIAXIAL TEST - COHESION (C)	IS 2720 (PART XI): 2016	0 kg/cm ² to 2 kg/cm ²
70	MECHANICAL- SOIL AND ROCK	SOIL	UNCONFINED COMPRESSION STRENGTH - COHESION (C)	IS 2720 (PART X): 2015	0.1 kg/cm ² to 2 kg/cm ²