National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRG CIVIL ENGINEERING LAB & CONSULTANCY SERVICES, SHED NO. 5B, 532/A, BHATHIJI MANDIR, IOC TRAGAD ROAD, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11070 **Page No** 1 of 5

Validity 19/10/2022 to 18/10/2024 **Last Amended on** 04/11/2022

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	A.A.C. Blocks	Compressive Strength	IS 6441 (Part 5)
2	MECHANICAL- BUILDINGS MATERIALS	A.A.C. Blocks	Dimension (Height)	IS 2185 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	A.A.C. Blocks	Dimensions (Length)	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	A.A.C. Blocks	Dimensions (Width)	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration Test	IS 1203
7	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Compressive Strength	IS 4031 (Part 6)
8	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Density	IS 4031 (Part 11)
9	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Final Setting Time	IS 4031 (Part 5)
10	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Fineness by Blaine Air Permeability	IS 4031 (Part 2)
11	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Soundness Le- Chatelier Method	IS 4031 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Loose and Compacted)	IS 2386 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Compressive strength	IS 15658
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
15	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
16	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Compacted Density of Mix	ASTM D2726
17	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D6927
18	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 1)

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19	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Initial Setting Time	IS 4031 (Part 5)
21	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516 (Part 1/Section 1)
22	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength of Beam	IS 516 (Part 1/Section 1)
23	MECHANICAL- BUILDINGS MATERIALS	A.A.C. Blocks	Moisture Content	IS 6441 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Determination of Solubility In Trichloroethylene	IS 1216
25	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility Test	IS 1208
26	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1202
27	MECHANICAL- BUILDINGS MATERIALS	BItumen	Specific gravity	IS 1202
28	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bitumen Content (Centrifuge)	ASTM D2172
29	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Theoretical Maximum Specific Gravity	ASTM D2041
30	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Length)	IS 1077
31	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
32	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)
34	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Consistency	IS 4031 (Part 4)
35	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Fineness by Dry Sieving	IS 4031 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fines Value	IS 2386 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)

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38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angles Abrasion Value	IS 2386 (Part 4)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (100 mm to 4.75 mm)	IS 2386 (Part 1)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Water Absorption	IS 15658
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10 mm to 150 µm)	IS 2386 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density (Loose and Compacted)	IS 2386 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75µm	IS 2386 (Part 2)
49	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
50	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Bend	IS 1599 (Clause no. 2 to 8)
51	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation	IS 1608 (Part 1/Clause no. 2 to 23)
52	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Nominal Mass/Meter	IS 1786 (Clause no. 6 & 7)
53	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Rebend	IS 1786 (Clause no. 9.4)
54	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Ultimate Tensile Stress	IS 1608 (Part 1/Clause no. 2 to 23)
55	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Tensile stress	IS 1608 (Part 1/Clause no. 2 to 23)
56	MECHANICAL- SOIL AND ROCK	Soil	Sweling Pressure	IS 2720 (Part 41)

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57	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 (Part 7)
58	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
59	MECHANICAL- SOIL AND ROCK	Soil	Atterberg's Limit (Plastic Limit)	IS 2720 (Part 5)
60	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (Unsoaked)	IS 2720 (Part 16)
61	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
62	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis	IS 2720 (Part 4)
63	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 (Part 8)
64	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 (Part 7)
65	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Cone Penetrometer	IS 2720 (Part 5)
66	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
67	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/Section 1)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Field Moisture Content by Sand Replacement Method	IS 2720 (Part 2)
2	MECHANICAL- SOIL AND ROCK	Soil	Field Moisture Content by Rapid Moisture Meter	IS 2720 (Part 2)
3	MECHANICAL- SOIL- FIELD	Soil	Field Density by Core Cutter Method	IS 2720 (Part 29)
4	MECHANICAL- SOIL- FIELD	Soil	Field Density of Soil by Sand Replacement Method	IS 2720 (Part 28)