National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEOSTRUCT ENGINEERING AND TESTING SERVICES, 8, SAHAJANAND INDUSTRIAL ESTATE, MUNJMAHUDA, PADRA ROAD, VADODARA, GUJARAT, INDIA

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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	AAC Block	BLOCK DENSITY	IS 6441 (Part-1)
2	MECHANICAL- BUILDINGS MATERIALS	AAC BLOCK	COMPRESSIVE STRENGTH	IS 6441 (Part-5)
3	MECHANICAL- BUILDINGS MATERIALS	AAC BLOCK	DRYING SHRINKAGE	IS 6441 (Part-2)
4	MECHANICAL- BUILDINGS MATERIALS	AAC BLOCK	MOISTURE CONTENT	IS 6441 (Part-1)
5	MECHANICAL- BUILDINGS MATERIALS	CLAY BRICKS, FLY ASH BRICK	COMPRESSIVE STRENGTH	IS 3495 (PART 1)
6	MECHANICAL- BUILDINGS MATERIALS	CLAY BRICKS, FLY ASH BRICKS	DIMENSION TEST (Height)	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	CLAY BRICKS, FLY ASH BRICKS	DIMENSION TEST (Length)	IS 1077
8	MECHANICAL- BUILDINGS MATERIALS	CLAY BRICKS, FLY ASH BRICKS	DIMENSION TEST (Width)	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	CLAY BRICKS, FLY ASH BRICKS	EFFLORESCENCE	IS 3495 (Part-3)
10	MECHANICAL- BUILDINGS MATERIALS	CLAY BRICKS, FLYASH BRICKS	WATER ABSORPTION	IS 3495 (PART 2)
11	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	10% FINES VALUE	IS 2386 (Part-4)
12	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE, METAL, GSB, WMM, WBM	IMPACT VALUE	IS 2386 (PART 4)
13	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE, METAL, GSB, WMM, WBM	LOS ANGELES ABRASION VALUE	IS 2386 (PART 4)
14	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE, METAL, GSB, WMM, WBM	SPECIFIC GRAVITY	IS 2386 (PART 3)
15	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE, METAL, GSB, WMM, WBM, RUBBLE	CRUSHING VALUE	IS 2386 (PART 4)
16	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE, METAL, GSB, WMM, WBM, RUBBLE	WATER ABSORPTION	IS 2386 (PART 3)
17	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE, METAL, GSB, WMM, WBM, SCREENING MATERIAL	SOUNDNESS BY Na2SO4 AND MgSO4	IS 2386 (Part-5)
18	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE, METAL, GSB, WMM, WBM, SCREENING MATERIAL, RUBBLE	SIEVE ANALYSIS (Sieve size 0.075 mm to 125 mm)	IS 2386 (PART 1)

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19	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE, METAL, WMM, WBM	ELONGATION INDEX	IS 2386 (PART 1)
20	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE, METAL, WMM, WBM	FLAKINESS INDEX	IS 2386 (PART 1)
21	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES, METAL, GSB, WMM, WBM	BULK DENSITY - LOOSE AND RODDED	IS 2386 (PART 3)
22	MECHANICAL- BUILDINGS MATERIALS	CONCRETE ADMIXURE	DRY MATERIAL CONTENT	IS 9103
23	MECHANICAL- BUILDINGS MATERIALS	CONCRETE ADMIXURE	pH VALUE TEST	IS 9103
24	MECHANICAL- BUILDINGS MATERIALS	CONCRETE ADMIXURE	RELATIVE DENSITY	IS 9103
25	MECHANICAL- BUILDINGS MATERIALS	CONCRETE CUBE	COMPRESSIVE STRENGTH	IS 516 (Part-1/Sec-1)
26	MECHANICAL- BUILDINGS MATERIALS	CONCRETE CUBE	METHOD OF MAKING, CURING AND DETERMINING COMPRESSIVE STRENGTH OF ACCELERATED CURED CONCRETE TEST SPECIMENS	IS 9013
27	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	BULKING OF SAND	IS 2386 (Part-3)
28	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SOUNDNESS BY Na2SO4 AND MgSO4	IS 2386 (Part-5)
29	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES, STONE DUST, BINDING & SCREENING MATERIAL, QUARRY DUST	BULK DENSITY - LOOSE & RODDED	IS 2386 (PART 3)
30	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES, STONE DUST, BINDING & SCREENING MATERIAL, QUARRY DUST	FINER THAN 75 MICRON	IS 2386 (PART 1)
31	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES, STONE DUST, BINDING & SCREENING MATERIAL, QUARRY DUST	SIEVE ANALYSIS	IS 2386 (PART 1)
32	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES, STONE DUST, BINDING & SCREENING MATERIAL, QUARRY DUST	SPECIFIC GRAVITY	IS 2386 (PART 3)
33	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES, STONE DUST, BINDING & SCREENING MATERIAL, QUARRY DUST	WATER ABSORPTION	IS 2386 (PART 3)
34	MECHANICAL- BUILDINGS MATERIALS	FLY ASH	FINAL SETTING TIME	IS 1727
35	MECHANICAL- BUILDINGS MATERIALS	FLY ASH	FINENESS BY BLAIN AIR PERMEABILITY	IS 1727
36	MECHANICAL- BUILDINGS MATERIALS	FLY ASH	INITIAL SETTING TIME	IS 1727

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37	MECHANICAL- BUILDINGS MATERIALS	FLY ASH	PARICLE RETAINED ON 45MICRON SIEVE (WET SIEVING)	IS 1727
38	MECHANICAL- BUILDINGS MATERIALS	FLY ASH	SOUNDNESS BY LE-CHETELIER METHOD	IS 1727
39	MECHANICAL- BUILDINGS MATERIALS	FLY ASH	SPECIFIC GRAVITY	IS 1727
40	MECHANICAL- BUILDINGS MATERIALS	FRESH CONCRETE	AIR CONTENT TEST BY WATER COLUMN METHOD	IS 1199 (Part-4)
41	MECHANICAL- BUILDINGS MATERIALS	FRESH CONCRETE	BLEEDING TEST	IS 9103
42	MECHANICAL- BUILDINGS MATERIALS	FRESH CONCRETE	COMPACTION FACTOR TEST	IS 1199 (Part-2)
43	MECHANICAL- BUILDINGS MATERIALS	FRESH CONCRETE	DENSITY	IS 1199 (Part-3)
44	MECHANICAL- BUILDINGS MATERIALS	FRESH CONCRETE	FLOW TABLE TEST FOR WORKABILITY	IS 9103
45	MECHANICAL- BUILDINGS MATERIALS	FRESH CONCRETE	SETTING TIME (INITIAL & FINAL)	IS 1199 (Part-7)
46	MECHANICAL- BUILDINGS MATERIALS	FRESH CONCRETE	SLUMP TEST	IS 1199 (Part-2)
47	MECHANICAL- BUILDINGS MATERIALS	HARDENED CONCRETE CORE	COMPRESSIVE STRENGTH	IS 516 (Part-4)
48	MECHANICAL- BUILDINGS MATERIALS	Hydraulic CEMENT	COMPRESSIVE STRENGTH	IS 4031 (Part 6)
49	MECHANICAL- BUILDINGS MATERIALS	hydraulic CEMENT	DENSITY TEST	IS 4031 (Part-11)
50	MECHANICAL- BUILDINGS MATERIALS	hydraulic CEMENT	FINAL SETTING TIME	IS 4031 (Part 5)
51	MECHANICAL- BUILDINGS MATERIALS	hydraulic CEMENT	FINENESS BY BLAIN AIR PERMEABILITY METHOD	IS 4031 (PART 2)
52	MECHANICAL- BUILDINGS MATERIALS	hydraulic CEMENT	FINENESS BY DRY SIEVING	IS 4031 (Part-1)
53	MECHANICAL- BUILDINGS MATERIALS	hydraulic CEMENT	INITIAL SETTING TIME	IS 4031 (PART 5)
54	MECHANICAL- BUILDINGS MATERIALS	hydraulic CEMENT	SOUNDNESS BY LE CHATELIER METHOD	IS 4031 (PART 3)

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55	MECHANICAL- BUILDINGS MATERIALS	hydrauluc CEMENT	CONSISTANCY	IS 4031 (PART 4)
56	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCK	ABRASION RESISTANCE	IS 15658
57	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCK	COMPRESSIVE STRENGTH	IS 15658
58	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCK	FLEXURAL SRENGTH and BREAKING LOAD	IS 15658
59	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCK	TENSILE SPLITTING STRENGTH	IS 15658
60	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCK	WATER ABSORPTION	IS 15658
61	MECHANICAL- BUILDINGS MATERIALS	REINFORCEMENT STEEL	REBEND TEST	IS 1786
62	MECHANICAL- BUILDINGS MATERIALS	REINFORCEMENT STEEL, COUPLER BAR, MILD STEEL	ELONGATION	IS 1608 - PART 1
63	MECHANICAL- BUILDINGS MATERIALS	REINFORCEMENT STEEL, COUPLER BAR, MILD STEEL	MASS PER METER	IS 1786
64	MECHANICAL- BUILDINGS MATERIALS	REINFORCEMENT STEEL, COUPLER BAR, MILD STEEL	ULTIMATE STRENGTH	IS 1608 - PART 1
65	MECHANICAL- BUILDINGS MATERIALS	REINFORCEMENT STEEL, COUPLER BAR, MILD STEEL	YIELD STRENGTH	IS 1608 - PART 1
66	MECHANICAL- BUILDINGS MATERIALS	REINFORCEMENT STEEL, MILD STEEL	BEND TEST	IS 1599
67	MECHANICAL- SOIL AND ROCK	DIRECT SHEAR TEST UU METHOD	DIRECT SHEAR TEST UU METHOD (Cohesion)	IS 2720 - PART 13
68	MECHANICAL- SOIL AND ROCK	SOIL	CONSOLIDATION TEST : Pc	IS 2720 - PART 15
69	MECHANICAL- SOIL AND ROCK	SOIL	CONSOLIDATION TEST Cc	IS 2720 - PART 15
70	MECHANICAL- SOIL AND ROCK	SOIL	CONSOLIDATION TEST: CO-EFFICIENT OF VOLUME CHANGE	IS 2720 PART-15
71	MECHANICAL- SOIL AND ROCK	SOIL	DIRECT SHEAR TEST UU METHOD (Angle of Internal Friction)	IS 2720 - PART 13
72	MECHANICAL- SOIL AND ROCK	SOIL	FREE SWELL INDEX	IS 2720 - PART 40

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73	MECHANICAL- SOIL AND ROCK	SOIL	GRAIN SIZE ANALYSIS	IS 2720 - PART 4
74	MECHANICAL- SOIL AND ROCK	SOIL	GRAIN SIZE ANALYSIS BY HYDROMETER METHOD	IS 2720 (Part-4)
75	MECHANICAL- SOIL AND ROCK	SOIL	SHRINKAGE LIMIT	IS 2720 - PART 6
76	MECHANICAL- SOIL AND ROCK	SOIL	SPECIFIC GRAVITY	IS 2720 - PART 3 SEC 1
77	MECHANICAL- SOIL AND ROCK	SOIL	SWELL PRESSURE TEST	IS 2720 -Part 41
78	MECHANICAL- SOIL AND ROCK	SOIL	TRIAXIAL TEST WITH UU METHOD	IS 2720 -PART 11
79	MECHANICAL- SOIL AND ROCK	SOIL	TRIAXIAL TEST WITH UU METHOD (Cohesion)	IS 2720-PART 11
80	MECHANICAL- SOIL AND ROCK	SOIL	UNCONFINED COMPRESSIVE STRENGTH	IS 2720 - PART 10
81	MECHANICAL- SOIL AND ROCK	SOIL	WATER CONTENT	IS 2720-PART 2
82	MECHANICAL- SOIL AND ROCK	SOIL, GSB, WMM, WBM, STONE DUST	CALIFORNIA BEARING RATIO TEST	IS 2720 (PART 16)
83	MECHANICAL- SOIL AND ROCK	SOIL, GSB, WMM, WBM, STONE DUST, BINDING MATERIAL	HEAVY COMPACTION - MDD	IS 2720 - PART 8
84	MECHANICAL- SOIL AND ROCK	SOIL, GSB, WMM, WBM, STONE DUST, BINDING MATERIAL	HEAVY COMPACTION - OMC	IS 2720 - PART 8
85	MECHANICAL- SOIL AND ROCK	SOIL, GSB, WMM, WBM, STONE DUST, BINDING MATERIAL	LIGHT COMPACTION TEST MDD	IS 2720 - PART 7
86	MECHANICAL- SOIL AND ROCK	SOIL, GSB, WMM, WBM, STONE DUST, BINDING MATERIAL	LIGHT COMPACTION TEST OMC	IS 2720 - PART 7
87	MECHANICAL- SOIL AND ROCK	SOIL, GSB, WMM, WBM, STONE DUST, BINDING MATERIAL	LIQUID LIMIT	IS 2720 -PART 5
88	MECHANICAL- SOIL AND ROCK	SOIL, GSB, WMM, WBM, STONE DUST, BINDING MATERIAL	PLASTIC LIMIT	IS 2720 - PART 5
89	MECHANICAL- SOIL AND ROCK	SOIL/AGGREGATES	RELATIVE DENDITY TEST	IS 2720 (Part-14)
90	MECHANICAL- SOIL- FIELD	SOIL	FIELD DRY DENSITY TEST	IS 2720 (Part-29)
91	MECHANICAL- SOIL- FIELD	SOIL	FIELD MOISTURE CONTENT TEST	IS 2720 (Part-29)

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92	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	REINFORCED CONCRETE STRUCTURE	CARBONATION DEPTH TEST	IS 516 (Part-5/Sec-3)
93	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	REINFORCED CONCRETE STRUCTURE	REBOUND HAMMER TEST	IS 516 (PART5/SEC4)
94	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	REINFORCED CONCRETE STRUCTURE	ULTRASONIC PULSE VELOCITY TEST	IS 516 (PART5/SEC1)

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	HARDENED CONCRETE CORE	COMPRESSIVE STRENGTH	IS 516 (Part-4)
2	MECHANICAL- SOIL AND ROCK	SOIL	COLLECTION OF UNDISTURB SOIL	IS 1892
3	MECHANICAL- SOIL AND ROCK	SOIL + CONCRETE	BLOCK VIBRATION TEST	IS 5249
4	MECHANICAL- SOIL- FIELD	AGGREGATE, GSB, WMM, WBM	FIELD DRY DENSITY TEST	IS 2720 (Part-28)
5	MECHANICAL- SOIL- FIELD	AGGREGATE, GSB, WMM, WBM	FIELD MOISTURE CONTENT TEST	IS 2720 (Part-28)
6	MECHANICAL- SOIL- FIELD	CONCRETE	COMPRESSION LOAD TEST ON CONCRETE PILES	IS 2911 (Part-4)
7	MECHANICAL- SOIL- FIELD	CONCRETE	LATERAL LOAD TEST	IS 2911 (Part-4)
8	MECHANICAL- SOIL- FIELD	CONCRETE	PULL OUT TEST	IS 2911 (Part-4)
9	MECHANICAL- SOIL- FIELD	SOIL	CYCLIC PLATE LOAD TEST	IS 5249
10	MECHANICAL- SOIL- FIELD	SOIL	DYNAMIC CONE PENETRATION TEST	IS 4968 PART 1
11	MECHANICAL- SOIL- FIELD	SOIL	FIELD CBR TEST (UNSOAKED & SOAKED)	2720 (Part-31)
12	MECHANICAL- SOIL- FIELD	SOIL	FIELD DRY DENSITY TEST	IS 2720 (Part-29)
13	MECHANICAL- SOIL- FIELD	SOIL	FIELD ELCTRICAL RESISTIVITY	IS 3043 (Clause- 40)
14	MECHANICAL- SOIL- FIELD	SOIL	FIELD MOISTURE CONTENT TEST	IS 2720 (Part-29)
15	MECHANICAL- SOIL- FIELD	SOIL	PLATE LOAD TEST	IS 1888
16	MECHANICAL- SOIL- FIELD	SOIL	SCPT	IS 4968 (Part-3)
17	MECHANICAL- SOIL- FIELD	SOIL	STANDARD PENETRATION TEST	IS 2131
18	MECHANICAL- SOIL- FIELD	SOIL, AGGREGATES, GSB, WMM, WBM	MODULUS OF SUBGRADEREACTION	IS 9214
19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	REINFORCED CONCRETE STRUCTURE	CARBONATION DEPTH TEST	IS 516 (Part-5/Sec-3)
20	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	REINFORCED CONCRETE STRUCTURE	HALF CELL POTENTIAL TEST	IS 516 (Part-5/Sec-2)

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21	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	REINFORCED CONCRETE STRUCTURE	PILE INTEGRITY TEST	IS 14893
22	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	REINFORCED CONCRETE STRUCTURE	REBOUND HAMMER TEST	IS 516 (PART5/SEC4)
23	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	REINFORCED CONCRETE STRUCTURE	ULTRASONIC PULSE VELOCITY TEST	IS 516 (PART5/SEC1)