National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : S.M. CONSULTANTS, MATERIAL TESTING LABORATORY, PLOT NO.4, CHOTIYAL PALAM VILLAGE, RADHA KRISHNA MANDIR GALI, NEW DELHI, DELHI, INDIA

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Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	DUCTILITY TEST	IS: 1208
2	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	FLASH POINT	IS: 1448 (PART-69)
3	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	HARDNESS (MASTIC ASPHALT)	IS:1195
4	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	MARSHALL STABILITY	AS PER AASHTO T245
5	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	PENETRATION	IS: 1203
6	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	SOFTENING POINT	IS: 1205
7	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	SPECIFIC GRAVITY	IS: 1202
8	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC/PSC)	NORMAL CONSISTENCY (STANDARD CONSISTENCY)	IS: 4031 (PART-4)
9	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC/PSC)	COMPRESSIVE STRENGTH	IS: 4031 (PART-6)
10	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC/PSC)	FINENESS BY BLAIN'S AIR PERMEABILITY	IS: 4031 (PART-2)
11	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC/PSC)	INITIAL SETTING TIME	IS: 4031 (PART-5)
12	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC/PSC)	SOUNDNESS TEST (LE-CHATELIER METHOD)	IS: 4031 (PART-3)
13	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC/PSC)	SPECIFIC GRAVITY	IS: 4031 (PART-11)
14	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC/PSC)	FINAL SETTING TIME	IS: 4031 (PART-5)
15	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREAGTE	SIEVE ANALYSIS	IS: 2386 (PART-I)
16	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	10% FINES VALUE	IS: 2386 (PART-IV)
17	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	AGGREGATE IMPACT VALUE	IS: 2386 (PART-IV)
18	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	AGGREGATE LOS ANGELES ABRASION VALUE	IS: 2386 (PART-IV)

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19	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	BULK DENSITY	IS: 2386 (PART-III)
20	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	CRUSHING VALUE	IS: 2386 (PART-IV)
21	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	ELONGATION INDEX	IS: 2386 (PART-I)
22	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	FLAKINESS INDEX	IS: 2386 (PART-I)
23	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	SPECIFIC GRAVITY	IS: 2386 (PART-III)
24	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	WATER ABSORPTION	IS: 2386 (PART-III)
25	MECHANICAL- BUILDINGS MATERIALS	COMMON BURNT CLAY BUILDING BRICKS & PULVERIZED FUEL ASH BRICK	EFFLORESCENCE	IS: 3495 (PART-III)
26	MECHANICAL- BUILDINGS MATERIALS	COMMON BURNT CLAY BUILDING BRICKS & PULVERIZED FUEL ASH BRICK	WATER ABSORPTION	IS: 3495 (PART-II)
27	MECHANICAL- BUILDINGS MATERIALS	COMMON BURNT CLAY BUILDING BRICKS & PULVERIZED FUEL ASH BRICK	WET COMPRESSIVE STRENGTH	IS:3495 (PART-I)
28	MECHANICAL- BUILDINGS MATERIALS	COMMON BURNT CLAY BUILDING BRICKS	DIMENSION (LENGTH)	IS: 1077
29	MECHANICAL- BUILDINGS MATERIALS	COMMON BURNTCLAY BUILDING BRICKS	DIMENSION(BREADTH)	IS: 1077
30	MECHANICAL- BUILDINGS MATERIALS	COMMON BURNTCLAY BUILDING BRICKS	DIMENSION(HEIGHT)	IS:1077
31	MECHANICAL- BUILDINGS MATERIALS	COMPRESSIVE STRENGTH OF CORE	COMPRESSIVE STRENGTH	IS 516 (PART-4)
32	MECHANICAL- BUILDINGS MATERIALS	COMPRESSIVE STRENGTH OF CUBE	COMPRESSIVE STRENGTH	IS: 516
33	MECHANICAL- BUILDINGS MATERIALS	CONCRETE BLOCK (HOLLOW/SOLID)	COMPRESSIVE STRENGTH	IS: 2185 (PART-1)
34	MECHANICAL- BUILDINGS MATERIALS	CONCRETE BLOCK (HOLLOW/SOLID)	DENSITY	IS: 2185 (PART-1)
35	MECHANICAL- BUILDINGS MATERIALS	CONCRETE BLOCK (HOLLOW/SOLID)	WATER ABSORPTION	IS: 2185 (PART-1)
36	MECHANICAL- BUILDINGS MATERIALS	CONCRETE FLOORING TILE	ABRASION RESISTANCE	IS:1237
37	MECHANICAL- BUILDINGS MATERIALS	CONCRETE FLOORING TILE	DIMENSION	IS: 1237

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38	MECHANICAL- BUILDINGS MATERIALS	CONCRETE FLOORING TILE	WATER ABSORPTION	IS:1237
39	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	BULK DENSITY	IS: 2386 (PART-III)
40	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SIEVE ANALYSIS	IS: 2386 (PART-I)
41	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SILT CONTENT	CPWD VOL.I
42	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SPECIFIC GRAVITY	IS: 2386 (PART-III)
43	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	WATER ABSORPTION	IS:2386 (PART-III)
44	MECHANICAL- BUILDINGS MATERIALS	FLEXURAL STRENGTH OF BEAM	FLEXURAL STRENGTH	IS: 516
45	MECHANICAL- BUILDINGS MATERIALS	GLAZED/ CERAMIC TILES	DIMENSION	IS: 13630(Part-1)
46	MECHANICAL- BUILDINGS MATERIALS	GLAZED/ CERAMIC TILES	WATER ABSORPTION	IS: 13630 (PART-2)
47	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCK	ABRASION RESISTANCE	IS:15658
48	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCK	COMPRESSIVE STRENGTH	IS: 15658
49	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCK	FLEXURAL STRENGTH	IS:15658
50	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCK	WATER ABSORPTION	IS:15658
51	MECHANICAL- BUILDINGS MATERIALS	PULVERIZED FUEL ASH BRICK	DIMENSION(BREADTH)	IS: 12894
52	MECHANICAL- BUILDINGS MATERIALS	PULVERIZED FUEL ASH BRICK	DIMENSION(HEIGHT)	IS:12894
53	MECHANICAL- BUILDINGS MATERIALS	PULVERIZED FUEL ASH BRICK	DIMENSION(LENGTH)	IS: 12894
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	STEEL (REINFORCEMENT/STRUCTURAL)	%ELONGATION:Method B	IS :1608(PART-1)
55	MECHANICAL- MECHANICAL PROPERTIES OF METALS	STEEL (REINFORCEMENT/STRUCTURAL)	ULTIMATE TENSILE STRENGTH (Method B)	IS :1608 (PART-1)

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56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL(REINFORCEMENT/STRUCTURAL)	BEND TEST	IS:1599
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL(REINFORCEMENT/STRUCTURAL)	EFFECTIVE CROSS-SECTIONAL AREA	IS: 1786
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL(REINFORCEMENT/STRUCTURAL)	REBEND TEST	IS :1786
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL(REINFORCEMENT/STRUCTURAL)	WEIGHT/METER	IS: 1786
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL(REINFORCEMENT/STRUCTURAL)	YIELD STRESS(Method B)	IS:1608 (PART-1)
61	MECHANICAL- SOIL AND ROCK	Rock	Abrasiveness	As per SOP
62	MECHANICAL- SOIL AND ROCK	Rock	Direct Shear Strength - Angle of Shearing Resistance	IS: 12634
63	MECHANICAL- SOIL AND ROCK	Rock	Direct Shear Strength - Cohesion	IS: 12634
64	MECHANICAL- SOIL AND ROCK	Rock	Dry Density using Saturation and Buoyancy Technique	IS: 13030
65	MECHANICAL- SOIL AND ROCK	Rock	Hardness by Schmidt Impact Hammer Method	IS: 12608:Clause 4.0
66	MECHANICAL- SOIL AND ROCK	Rock	Modulus of Elasticity	IS: 9221
67	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS: 8764
68	MECHANICAL- SOIL AND ROCK	Rock	Poisson's Ratio	IS: 9221
69	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability Index	IS: 10050
70	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS: 1124
71	MECHANICAL- SOIL AND ROCK	Rock	Swelling Strain	IS: 14396 (Part 3)
72	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength by Brazilian Test	IS: 10082

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73	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression - Angle of Shearing Resistance	IS: 13047
74	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression - Cohesion	IS:13047
75	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS: 9143
76	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS: 1124
77	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS: 2720 (PART-16)
78	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Compression Index (Cc)	IS: 2720 (PART-15)
79	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Pre Consolidation Pressure	IS: 2720 (PART-15)
80	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Undrained, Angle of Shearing Resistance	IS: 2720 (PART-13)
81	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Undrained, Cohesion	IS: 2720 (PART-13)
82	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS: 2720 (PART-40)
83	MECHANICAL- SOIL AND ROCK	SOIL	Grain Size Analysis (0.075 to 4.75 mm)	IS: 2720 (PART-4)
84	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density	IS: 2720 (PART-8)
85	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS: 2720 (PART-8)
86	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Casagrade Apparatus	IS: 2720 (PART-5)
87	MECHANICAL- SOIL AND ROCK	Soil	Permeability by Falling Head Method	IS: 2720 (PART-17)
88	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS: 2720 (PART-5)
89	MECHANICAL- SOIL AND ROCK	Soil	Relative Density - Maximum Density & Minimum Density	IS: 2720 (PART-14)
90	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS: 2720 (PART-6)
91	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS: 2720 (PART-3/SEC 1)

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92	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Angle of Shearing Resistance	IS: 2720 (PART-11)
93	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Cohesion	IS: 2720 (PART-11)
94	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS: 2720 (PART-10)
95	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Oven Drying Method	IS: 2720 (PART-II)
96	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	CONCRETE	ULTRASONIC PULSE VELOCITY (BY UPV INSTRUMENT)	IS 516(PART-5/SEC-1)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	CONCRETE	REBOUND NUMBER (BY REBOUND HAMMER)	IS 516 (PART-5/SEC-4)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	CONCRETE	ULTRASONIC PULSE VELOCITY (BY UPV INSTRUMENT)	IS 516(PART-5/SEC-1)