National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SHRI JASNATH ENGINEERING TESTING LABORATORY, C-97, GOKUL PATH, VAISHALI NAGAR, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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	Autoclaved Aerated Concrete Blocks	Bulk Density	IS 6441 (Part-1)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Compressive Strength	IS 6441 (Part-5)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Dimensions (Height)	IS 2185 (Part-3)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Dimensions (Length)	IS 2185 (Part-3)
5	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Dimensions (Width)	IS 2185 (Part-3)
6	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Moisture Content	IS 6441 (Part-1)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix / Core	Bitumen Content	ASTM D 2172
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix / Core	Density	ASTM D 2726
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix / Core	Marshall Flow Value	IS 17127
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix / Core	Marshall Stability	IS 17127
14	MECHANICAL- BUILDINGS MATERIALS	Bricks / Heavy Duty Burnt Clay Building Bricks / Pulverized Fuel Ash-Lime Brick	Bulk Density	IS 2180
15	MECHANICAL- BUILDINGS MATERIALS	Bricks / Heavy Duty Burnt Clay Building Bricks / Pulverized Fuel Ash-Lime Brick	Compressive Strength	IS 3495 (Part-1)
16	MECHANICAL- BUILDINGS MATERIALS	Bricks / Heavy Duty Burnt Clay Building Bricks / Pulverized Fuel Ash-Lime Brick	Dimension (Height)	IS 1077 / IS 12894
17	MECHANICAL- BUILDINGS MATERIALS	Bricks / Heavy Duty Burnt Clay Building Bricks / Pulverized Fuel Ash-Lime Brick	Dimension (Length)	IS 1077/ IS 12894
18	MECHANICAL- BUILDINGS MATERIALS	Bricks / Heavy Duty Burnt Clay Building Bricks / Pulverized Fuel Ash-Lime Brick	Dimension (Width)	IS 1077 / IS 12894

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19	MECHANICAL- BUILDINGS MATERIALS	Bricks / Heavy Duty Burnt Clay Building Bricks / Pulverized Fuel Ash-Lime Brick	Efflorescence	IS 3495 (Part-3)
20	MECHANICAL- BUILDINGS MATERIALS	Bricks / Heavy Duty Burnt Clay Building Bricks / Pulverized Fuel Ash-Lime Brick	Water Absorption	IS 3495 (Part-2)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part-6)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part-4)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part-11)
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part-5)
25	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness (dry sieving)	IS 4031 (Part-1)
26	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness Blain air permeability	IS 4031 (Part-2)
27	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part-5)
28	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-chatalier	IS 4031 (Part-3)
29	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Length)	IS 1237
30	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Thickness)	IS 1237
31	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Width)	IS 1237
32	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Flatness of Surface	IS 1237
33	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Perpendicularity of Tile	IS 1237
34	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Straightness of Tile	IS 1237
35	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Thickness of Wearing Surface	IS 1237
36	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS 1237
37	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Wet Transverse Strength	IS 1237

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38	MECHANICAL- BUILDINGS MATERIALS	Ceramic / Vitrified Tile	Flatness	IS 13630 (Part-1)
39	MECHANICAL- BUILDINGS MATERIALS	Ceramic / Vitrified Tiles	Breaking Strength	13630 (Part-6)
40	MECHANICAL- BUILDINGS MATERIALS	Ceramic / Vitrified Tiles	Bulk Density	IS 13630 (Part-2)
41	MECHANICAL- BUILDINGS MATERIALS	Ceramic / Vitrified Tiles	Straightness	IS 13630 (Part-1)
42	MECHANICAL- BUILDINGS MATERIALS	Ceramic / Vitrified Tiles	Water Absorption	IS 13630 (Part-2)
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% fines Value	IS 2386 (Part-4)
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose / Compacted)	IS 2386 (Part-3)
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing value	IS 2386 (Part-4)
46	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
47	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)
48	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Materials finer than 75 micron	IS 2386 (Part-1)
49	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soft Fragments	IS 2386 (Part-2)
50	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by MgSo4 &Na2So4	IS 2386 (Part-5)
51	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part-3)
52	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / Ballast	Abrasion Value	IS 2386 (Part-4)
53	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / Ballast	Impact Value	IS 2386 (Part-4)
54	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / Ballast	Sieve Analysis (Sieve Size: 2.36 mm to 80mm)	IS 2386 (Part-1)
55	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / Ballast	Water Absorption	IS 2386 (Part-3)
56	MECHANICAL- BUILDINGS MATERIALS	Concrete (Core)	Compressive Strength (Core)	IS 516 (Part-4)

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57	MECHANICAL- BUILDINGS MATERIALS	Concrete (Cube)	Compressive Strength (Cube)	IS 516
58	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose / Compacted)	IS 2386 (Part-3)
59	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part-3)
60	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay lumps	IS 2386 (Part-2)
61	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials finer than 75 micron	IS 2386 (Part-1)
62	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve analysis / Fineness Modulus (Sieve size: 150 Micron to 10 mm)	IS 2386 (Part-1)
63	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content By Volumetric Method	CPWD (Vol-1) Clause - 3.1 3.2 (Appendix - C)
64	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by MgSo4 & Na2So4	IS 2386 (Part-5)
65	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part-3)
66	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part-3)
67	MECHANICAL- BUILDINGS MATERIALS	Flush Door / Door Shutters	Dimension (Height)	IS 4020 (Part-2)
68	MECHANICAL- BUILDINGS MATERIALS	Flush Door / Door Shutters	Dimension (Thickness)	IS 4030 (Part-2)
69	MECHANICAL- BUILDINGS MATERIALS	Flush Door / Door Shutters	Dimension (Width)	IS 4020 (Part-2)
70	MECHANICAL- BUILDINGS MATERIALS	Flush Door / Door Shutters	End Emersion	IS 4020 (Part-13)
71	MECHANICAL- BUILDINGS MATERIALS	Flush Door / Door Shutters	Glue Adhesion	IS 4020 (Part-15)
72	MECHANICAL- BUILDINGS MATERIALS	Flush Door / Door Shutters	Knife Test	IS 4020 (Part-14)
73	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
74	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Density	IS 1727

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75	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness By Blain air permeability	IS 1727
76	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by wet sieving	IS 1727
77	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
78	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Moisture Content	IS 2720 (Part-2)
79	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Le-chatalier	IS 1727
80	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Workability by Slump Test	IS 1199 (Part-2)
81	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Block Density	IS 2185 (Part I) Annexure C
82	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Compressive Strength	IS 2185 (Part I) Annexure D
83	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Dimension (Length)	IS 2185 (Part 1) Annexure B
84	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Dimension (Width)	IS 2185 (Part 1) Annexure B
85	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Dimensions (Height)	IS 2185 (Part 1) Annexure B
86	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Water Absorption	IS 2185 (Part I) Annexure E
87	MECHANICAL- BUILDINGS MATERIALS	Lime	Compressive Strength	IS 6932 (Part-7)
88	MECHANICAL- BUILDINGS MATERIALS	Lime	Final Setting Time	IS 6932 (Part-11)
89	MECHANICAL- BUILDINGS MATERIALS	Lime	Fineness (Wet sieving)	IS 6932 (Part-4)
90	MECHANICAL- BUILDINGS MATERIALS	Lime	Initial Setting Time	IS 6932 (Part-11)
91	MECHANICAL- BUILDINGS MATERIALS	Lime	Soundness by Le-chatalier	IS 6932 (Part-9)
92	MECHANICAL- BUILDINGS MATERIALS	Lime	Specific Gravity (Density)	IS 4031 (Part-11)
93	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Compressive Strength	IS 1727

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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
94	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Density	IS 1727
95	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Fineness by wet sieving	IS 1727
96	MECHANICAL- BUILDINGS MATERIALS	Natural / Building Stone (Marble/Granite/Slate/Quartz)	Apparent Porosity	IS 1124
97	MECHANICAL- BUILDINGS MATERIALS	Natural / Building Stone (Marble/Granite/Slate/Quartz)	Apparent Specific Gravity	IS 1124
98	MECHANICAL- BUILDINGS MATERIALS	Natural / Building Stone (Marble/Granite/Slate/Quartz)	Compressive Strength	IS 1121 (Part-1)
99	MECHANICAL- BUILDINGS MATERIALS	Natural / Building Stone (Marble/Granite/Slate/Quartz)	True Specific Gravity	IS 1122
100	MECHANICAL- BUILDINGS MATERIALS	Natural / Building Stone (Marble/Granite/Slate/Quartz)	Water Absorption	IS 1124
101	MECHANICAL- BUILDINGS MATERIALS	Paver Block / Interlocking Tile	Dimension (Thickness)	IS 15658
102	MECHANICAL- BUILDINGS MATERIALS	Paver Block / Interlocking Tile	Dimensions (Length)	IS 15658
103	MECHANICAL- BUILDINGS MATERIALS	Paver Block / Interlocking Tile	Dimensions (Width)	IS 15658
104	MECHANICAL- BUILDINGS MATERIALS	Paver Block / Interlocking Tile	Visual Inspection	IS 15658
105	MECHANICAL- BUILDINGS MATERIALS	Paver Block / Interlocking Tile	Water Absorption	IS 15658
106	MECHANICAL- BUILDINGS MATERIALS	Paver Block / Interlocking Tile	Compressive Strength	IS 15658
107	MECHANICAL- BUILDINGS MATERIALS	Plywood / Shuttering Plywood	Density	IS 1734 (Part-1)
108	MECHANICAL- BUILDINGS MATERIALS	Plywood / Shuttering Plywood	Moisture Content	IS 1734 (Part-1)
109	MECHANICAL- BUILDINGS MATERIALS	Wood / Timber	Moisture Content	IS 1708 (Part-1)
110	MECHANICAL- BUILDINGS MATERIALS	Wood / Timber	Specific Gravity	IS 1708 (Part-2)
111	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
112	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS 8764

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113	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
114	MECHANICAL- SOIL AND ROCK	Rock	Uniaxial compressive Strength Test	IS 9143
115	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
116	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part-16)
117	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cc)	IS 2720 (Part-15)
118	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cv)	IS 2720 (Part-15)
119	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion and Angle of Internal Friction)	IS 2720 (Part-13)
120	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
121	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Dry and Wet Sieve Analysis) (Sieve Size: 75 Micron to 100 mm)	IS 2720 (Part-4)
122	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Hydrometer Method) - (Sieve Size: 75 Micron to 100 mm)	IS 2720 (Part-4)
123	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction (OMC)	IS 2720 (Part-8)
124	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction (MDD)	IS 2720 (Part-8)
125	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part-7)
126	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part-7)
127	MECHANICAL- SOIL AND ROCK	Soil	Permeability	IS 2720 (Part-17)
128	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part-6)
129	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test without the Measurement of Pore Water Pressure (Angle of Shear Plane 'Phi')	IS 2720 (Part-11)

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130	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test without the Measurement of Pore Water Pressure (Cohesion 'C')	IS 2720 (Part-11)
131	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720, Part-10
132	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part-2)
133	MECHANICAL- SOIL AND ROCK	Soil / Bentonite	Liquid Limit	IS 2720 (Part-5)
134	MECHANICAL- SOIL AND ROCK	Soil / Bentonite	Plastic Limit	IS 2720 (Part-5)
135	MECHANICAL- SOIL AND ROCK	Soil / Bentonite	Specific Gravity	IS 2720 (Part-3), Section-I
136	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	Abrasion Value	IS 2386 (Part-4)
137	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	California Bearing Ratio	IS 2720 (Part-16)
138	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	Elongation Index	IS 2386 (Part-1)
139	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	Flakiness Index	IS 2386 (Part-1)
140	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	Heavy compaction (Maximum Dry Density)	IS 2720 (Part-8)
141	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	Heavy compaction (Optimum Moisture Content)	IS 2720 (Part-8)
142	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	Impact Value	IS 2386 (Part-4)
143	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	Liquid Limit	IS 2720 (Part-5)
144	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	Plastic Limit	IS 2720 (Part-5)
145	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	Sieve Analysis / Gradation	IS 2386 (Part-1)
146	MECHANICAL- SOIL AND ROCK	Sub Base Non Bituminous Material (GSB, WMM, WBM)	Water Absorption	IS 2386 (Part-3)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	In Place Dry Density of Soils by Core Cutter Method	IS 2720 (Part-29)
2	MECHANICAL- SOIL AND ROCK	Soil	In Place Dry Density of Soils by Sand Replacement Method	IS 2720 (Part-28)
3	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
4	MECHANICAL- SOIL AND ROCK	Soil	Rapid Determination of Water Content from the Gas Pressure using Calcium Carbide	IS 2720 (Part II) Section 5
5	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test (SPT)	IS 2131
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Rebound Hammer Test	IS 13311 (Part-2)
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Ultrasonic Pulse Velocity Test	IS 516 (part- 5/sec.-1)