National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INFRA TEST INVESTIGATION AND RESEARCH CENTRE, 1ST FLOOR,174/4, SMART TOWER LINK ROAD, COLONELS ENCLAVE,, ROORKEE, HARIDWAR, UTTARAKHAND, 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	Acid Resistance Brick	Dimension Width	IS 4860
2	MECHANICAL- BUILDINGS MATERIALS	Acid Resistance Bricks	Dimension Thickness	IS 4860
3	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Air Content	IS:9103
4	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Compressive Strength	IS:516
5	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Flexural Strength	IS 516 : Part 1 : Sec 1
6	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Length Change/Drying Shrinkage	IS 516 : Part 6
7	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Loss of Workability	IS:9103
8	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Setting Time	IS:1199(Part 7)
9	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Slump	IS 9103
10	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Test for bleeding	IS 9103
11	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Water Content	IS:9103
12	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Block (AAC)	Block Density	IS 2185 (Part 4)
13	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Block (AAC)	Block Density	IS 6441(Part 1)
14	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Block (AAC)	Compressive Strength	IS 2185 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Block (AAC)	Dimension Length	IS 2185 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Block (AAC)	Dimension Width	IS 2185 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Block (AAC)	Water absorption	IS 2185 (Part 4)
18	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Blocks (AAC)	Compressive Strength	IS 6441 (Part 5)

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19	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Blocks (AAC)	Dimension Length	IS 2185 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Blocks (AAC)	Dimension Thickness	IS 2185 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Blocks (AAC)	Dimension Thickness	IS 2185 (Part 4)
22	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Concrete Blocks (AAC)	Dimension Width	IS 2185 (Part 4)
23	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Absolute viscosity	IS 1206 (Part 2)
24	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Ductility	IS 1208
25	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Fire point	IS 1209
26	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Flash point	IS 1209
27	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Kinematic Viscosity	IS 1206 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Loss on heating	IS 1212
29	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Penetration	IS 1203
30	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Softening point	IS 1205
31	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Solubility in Trichloroethylene	IS 1216
32	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Specific gravity	IS 1202
33	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Allied Materials ,Modified Bitumen, PMB,CRMB, NRMB	Viscosity ratio(RTFOT Residue)	IS 1206 (Part 2)
34	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coagulation of emulsion at low temperature	IS 8887
35	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability and Water Resistance	IS 8887
36	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Ductility	IS1208
37	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility with water	IS 8887

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38	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Penetration	IS 1203
39	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Evaporation	IS 8887
40	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 micron IS Sieve	IS 8887
41	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Solubility in Trichloroethylene	IS 1216
42	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to Mixing With Cement	IS 8887
43	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability after 24 Hours	IS 8887
44	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by saybolt furol viscometer	IS 3117
45	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material	Binder/ Bitumen Content	ASTM D 2172
46	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material	Binder/ Bitumen Content	IRC SP 11
47	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material	Density	ASTM D 2726
48	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material	Flow Value	ASTM D 6927
49	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material	Gradation (Sieving)	IS 2386 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material	Marshal stability	ASTM D 6927
51	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix Material	Theoretical Maximum Specific Gravity	ASTM D 2041
52	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick, Fly ash Brick & Fly ash lime Brick, sewer brick, Acid Resistance Brick	Compressive strength	IS 3495 (Part 1)
53	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick, Fly ash Brick & Fly ash lime Brick, sewer brick, Acid Resistance Brick	Water absorption	IS 3495 (Part 2)
54	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick, Fly ash Brick & Fly ash lime Brick, Sewer Bricks	Efflorescence	IS 3495 (Part 3)
55	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension Length	IS 1077
56	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension Thickness	IS 1077

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57	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension Width	IS 1077
58	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength (168 ± 2Hrs)	IS 4031(Part 6)
59	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength (672 ± 4Hrs)	IS 4031(Part 6)
60	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength (72 ± 1Hrs)	IS 4031(Part 6)
61	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
62	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031(Part 11)
63	MECHANICAL- BUILDINGS MATERIALS	Cement	Drying shrinkage	IS 4031 (Part 10)
64	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting time	IS 4031(Part 5)
65	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine air permeability	IS 4031(Part 2)
66	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031(Part 5)
67	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness By Autoclave method	IS 4031(Part 3)
68	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness By Le-Chatelier method	IS 4031(Part 3)
69	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension Length	IS 1237
70	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension Thickness	IS 1237
71	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension Width	IS 1237
72	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Flatness of the tiles surface	IS 1237
73	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Perpendicularity	IS 1237
74	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Straightness	IS 1237
75	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Thickness of wearing Layer	IS 13801

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76	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water absorption	IS 1237
77	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Wet Transverse strength	IS 1237
78	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension Length	IS 13801
79	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension Thickness	IS 13801
80	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension Width	IS 13801
81	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Flatness of the tiles surface	IS 13801
82	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Perpendicularity	IS 13801
83	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Straightness	IS 13801
84	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Thickness of wearing layer	IS 13801
85	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Water absorption	IS 13801
86	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Wet Transverse strength	IS 13801
87	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Surface Moisture	CPWD specifiaction volume-1,Chapter-4,Appendix-B,Clause-4.1.1.5
88	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Surface Moisture	IS 2386(Part-3)
89	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Toatal Deleterious Material	IS 2386(Part-1&2)
90	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fines Value (Ton)	BS 812 (Part 111)
91	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fines Value (Ton)	IS 2386 (Part 4)
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk density	IS 2386(Part 3)
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)

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94	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious materials Clay & Lumps	IS 2386 (Part 2)
95	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
96	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS:2386(Part 1)
97	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
98	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Organic Impurities	IS 2386 (Part 2)
99	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (2.36 to 125)mm	IS 2386 (Part 1)
100	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (Part-5)
101	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
102	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
103	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Arris/ Chamfer (Depth)	IS 15658
104	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Arris/ Chamfer (Width)	IS 15658
105	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Aspect Ratio, (L/T)	IS15658 (Annex-B)
106	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Compressive Strength	IS 15658 (Annex-D)
107	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Dimension Length	IS 15658(Annex-B)
108	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Dimension Thickness	IS 15658 (Annex-B)
109	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Dimension Width	IS 15658 (Annex-B)
110	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Flexural strength/ Breaking load	IS 15658 (Annex-G)
111	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Plan Area, Asp	IS 15658 (Annex-B)
112	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Squareness	IS 15658

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113	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Thickness of Wearing layer	IS 15658 (Annex-B)
114	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Visual inspection	IS 15658
115	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Water Absorption	IS 15658 (Annex-C)
116	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Wearing face area, (Asw)	IS 15658 (Annex-B)
117	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube & Core	Compressive strength	IS 516
118	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk density	IS 2386(Part 3)
119	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking of sand	IS: 2386 (Part 3)
120	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious materials Clay & Lumps	IS 2386 (Part 2)
121	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 microns	IS 2386 (Part 1)
122	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS (2386 (Part 2)
123	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (10mm to 150 microns)	IS 2386 (Part 1)
124	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt Content	CPWD specifiaction volume-1,Chapter-3,Appendix-C (Clause-3.1.3.2)
125	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness	IS 2386(Part-5)
126	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
127	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Surface Moisture	CPWD specifiaction volume-1,Chapter-4,Appendix-B,Clause-4.1.1.5
128	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Surface Moisture	IS 2386 (Part-3)
129	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Total Deleterious Materials	IS 2386(Part-1&2)
130	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)

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131	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive strength	IS 1727
132	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blain Permeability Method	IS 1727
133	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
134	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Moisture Content	IS 3812 (Part1 & 2)
135	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Residue retained on 45 micron (Wet Sieving)	IS 1727
136	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness Autoclave expansion	IS 1727
137	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
138	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimension Length	IS 13757
139	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimension Thickness	IS 13757
140	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimension Width	IS 13757
141	MECHANICAL- BUILDINGS MATERIALS	Fly ash lime Brick	Dimension Length	IS 12894
142	MECHANICAL- BUILDINGS MATERIALS	Fly ash lime Bricks	Dimension Thickness	IS 12894
143	MECHANICAL- BUILDINGS MATERIALS	Fly ash lime Bricks	Dimension Width	IS 12894
144	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Air Content	IS 1199 (Part-4)
145	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Density	IS 1199 : Part 3
146	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Setting Time	IS 1199 : Part 7
147	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199 (Part-2)
148	MECHANICAL- BUILDINGS MATERIALS	Glass Beads	Gradation	BS 6088
149	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile, Unglazed Tile, Vitrified Tile	Bulk Density	IS 13630(Part-2)

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150	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile, Unglazed Tile, Vitrified Tile	Dimension (Length, Width, Thickness)	IS 15622
151	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile, Unglazed Tile, Vitrified Tile	Modulus of rupture	IS 13630(Part 6)
152	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile, Unglazed Tile, Vitrified Tile	Modulus of Rupture	IS 4457
153	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile, Unglazed Tile, Vitrified Tile	Resistance to acids and Alkalis	IS 13630(Part-7&8)
154	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile, Unglazed Tile, Vitrified Tile	Resistance to House Hold Chemical and Swimming Pool water	IS 13630(Part-7&8)
155	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile, Unglazed Tile, Vitrified Tile	Resistance to Staining	IS 13630(Part-7&8)
156	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile, Unglazed Tile, Vitrified Tile	Resistance to Thermal Shock	IS 13630(Part-5)
157	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile, Unglazed Tile, Vitrified Tile	Scratch Hardness	IS 13630(Part 13)
158	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile, Unglazed Tile, Vitrified Tile, Vitreous Acid Resistance Tiles	Dimension (Length, Width, Thickness)	IS 13630 (Part 1)
159	MECHANICAL- BUILDINGS MATERIALS	Glazed Tile,Unglazed Tile, Vitrified Tile	Water Absorption	IS 13630(Part 2)
160	MECHANICAL- BUILDINGS MATERIALS	Glazed Tiles, Unglazed Tiles, Vitrified Tiles	Breaking Strength	IS 13630 (Part 6)
161	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516 : Part 1 : Sec 1
162	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Drying Shrinkage	IS 516 : Part 6
163	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	IS 516 : Part 1 : Sec 1
164	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Beam	Flexural Strength	IS 516
165	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Block Density	IS 2185 (Part 1)
166	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Block Density	IS 2185 (Part 2)
167	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1)

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168	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 2)
169	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension Length	IS 2185 (Part 1)
170	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension Length	IS 2185 (Part 2)
171	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension Thickness	IS 2185 (Part 1)
172	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension Thickness	IS 2185 (Part 2)
173	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension Width	IS 2185 (Part 1)
174	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension Width	IS 2185 (Part 2)
175	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water absorption	IS 2185 (Part 1)
176	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water absorption	IS 2185 (Part 2)
177	MECHANICAL- BUILDINGS MATERIALS	Mastic Asphalt	Hardness Test	IS 1195
178	MECHANICAL- BUILDINGS MATERIALS	Micri Silica	Moisture Content	IS 15388
179	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Compressive Strength	IS 1727
180	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Material retained on 45micron IS sieve	IS 1727
181	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs, Channels,Edging,Quadrants and Other Associated Fittings	Compressive Strength	IS 516(Part-4)
182	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs, Channels,Edging,Quadrants and Other Associated Fittings	Dimensions	IS 5758
183	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs, Channels,Edging,Quadrants and Other Associated Fittings	Water Absorption	IS 5758
184	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension Length	IS 4860
185	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension Length	IS 4885
186	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension Thickness	IS 4885

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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
187	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension Width	IS 4885
188	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Breaking Strength	IS 4457
189	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Dimension (Length, Width, Thickness)	IS 4457
190	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Resistance to Acids and Alkalies	IS 4457
191	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Resistance to Concentrated Nitric Acid and Sulphuric Acid	IS 4457
192	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Resistance to Household Chemical and swimming pool water	IS 4457
193	MECHANICAL- BUILDINGS MATERIALS	Vitreous Acid Resistance Tiles	Water Absorption	IS 4457
194	MECHANICAL- SOIL AND ROCK	Bentonite	Density	IS: 2911 (Part 1, Section 2)
195	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness	IS 6186
196	MECHANICAL- SOIL AND ROCK	Bentonite	Free Swell Index	IS 2720 (Part 40)
197	MECHANICAL- SOIL AND ROCK	Bentonite	Gel Formation Index	IS 6186
198	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (Part 5)
199	MECHANICAL- SOIL AND ROCK	Bentonite	Loss on Ignition	IS 6186
200	MECHANICAL- SOIL AND ROCK	Bentonite	Marsh Viscosity	ASTM D 6910
201	MECHANICAL- SOIL AND ROCK	Bentonite	Matter Soluble In Water	IS 6186
202	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture	IS 6186
203	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
204	MECHANICAL- SOIL AND ROCK	Natural Stone	Apparent Specific Gravity	IS 1124

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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
205	MECHANICAL- SOIL AND ROCK	Natural Stone	Compressive Strength	IS 1121 (Part 1)
206	MECHANICAL- SOIL AND ROCK	Natural Stone	Durability	IS 1126
207	MECHANICAL- SOIL AND ROCK	Natural Stone	Moisture Content	IS 1124
208	MECHANICAL- SOIL AND ROCK	Natural Stone	Porosity (True and Apparent)	IS 1124
209	MECHANICAL- SOIL AND ROCK	Natural Stone	Resistance to wear	IS 1706
210	MECHANICAL- SOIL AND ROCK	Natural Stone	Scratch Hardness	IS 13630 (Part 13)
211	MECHANICAL- SOIL AND ROCK	Natural Stone	Specific Gravity	IS 1124
212	MECHANICAL- SOIL AND ROCK	Natural Stone	Tensile strength	IS 1121 (Part 3)
213	MECHANICAL- SOIL AND ROCK	Natural Stone	Transverse Strength	IS 1121 (Part 2)
214	MECHANICAL- SOIL AND ROCK	Natural Stone	Water absorption	IS 1124
215	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Free Swell Index	IS: 2720 (Part 40)
216	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Grain size analysis (Sieve Analysis)	IS 2720 (Part 4)
217	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Grain size analysis (Sieve Analysis)	IS 2720 (Part 4)
218	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Bulk Density	IS: 2720 (Part 3)
219	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	CBR	IS 2720 (Part 16)
220	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Heavy Compaction (MDD)	IS 2720 (Part 8)
221	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Heavy Compaction (OMC)	IS 2720 (Part 2)
222	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Light Compaction (MDD)	IS 2720 (Part 7)
223	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Light Compaction (OMC)	IS 2720 (Part 2)

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224	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Liquid Limit	IS 2720 (Part 5)
225	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Moisture Content	IS: 2720 (Part 2)
226	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Plastic limit	IS 2720 (Part 5)
227	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Shrinkage Limit	IS 2720 (Part 6)
228	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Specific Gravity	IS 2720 (Part 3/ Sec-2)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil and Rock	ELECTRICAL RESISTIVITY TEST	IS:15736
2	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Field density by Core cutting method	IS 2720 (Part 29)
3	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Field density by Sand replacement method	IS 2720 (Part 28)
4	MECHANICAL- SOIL AND ROCK	Soil Earthwork, Sub grade, Sub Base, Non Bituminous,GSB, WBM, WMM	Standard Penetration	IS 2131
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Material-Reinforced Concrete Structure	Half Cell Potential	ASTM C876
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure/Cement concrete/ Structural Members	Carbonation Test	BS EN 14630
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure/Cement concrete/ Structural Members	Carbonation Test	IS 516 (Part 5/Sec 3)
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure/Cement concrete/ Structural Members	Rebound Hammer Test	IS 516 : Part 5 : Sec 4
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure/Cement concrete/ Structural Members	Ultra Sonic Pulse Velocity	IS 516 (Part 5/Sec 1)