National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SIMCON TECHNOLOGY PRIVATE LIMITED, 21,KRISHNA PARK, R. C. TECHNICAL ROAD, CHANAKYAPURI, GOTA, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 01/12/2022 to 30/11/2024 **Last Amended on** 16/12/2022

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	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH Value	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Bentonite	pH Value	IS 6186
7	CHEMICAL- BUILDING MATERIAL	Boulder Spalls (Petrography)	Sulphuric anhydride (SO3)	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement	Alkali Content (Na2O+0.658K2O)	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement	Aluminum Oxide (Al2O3)	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement	Calcium Oxide (CaO)	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement	Chloride (Cl)	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement	Drying Shrinkage	IS:4031
13	CHEMICAL- BUILDING MATERIAL	Cement	Free Lime	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement	Insoluble residue including silica	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement	Iron Oxide (Fe2O3)	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement	Loss on Ignition	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement	Magnesium oxide(MgO)	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement	Silica (SiO2)	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	Cement	Sulphur Trioxide(SO3)	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Alkali Aggregate Reactivity- Rc	IS 2386 (Part 7)
21	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Alkali Aggregate Reactivity-Sc	IS 2386 (Part 7)
22	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Total Alkali Content As NA2O	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Total Sulphate Content As SO3	IS 4032
24	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Water Soluble Chloride Content	IS 14959 (Part-2)
25	CHEMICAL- BUILDING MATERIAL	Concrete	Chloride in Fresh Concrete	IS 14959 Part-1
26	CHEMICAL- BUILDING MATERIAL	Concrete	Chloride in Hardened Concrete	IS 14959 Part-2
27	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impurities	IS 2386 (Part 2)
28	CHEMICAL- BUILDING MATERIAL	Fly Ash	Aluminum Oxide (Al2O3)	IS 1727
29	CHEMICAL- BUILDING MATERIAL	Fly ASh	Chloride (Cl)	IS 4032
30	CHEMICAL- BUILDING MATERIAL	Fly Ash	Iron Oxide (Fe2O3)	IS 1727
31	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS 1727
32	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesium oxide(MgO)	IS 1727
33	CHEMICAL- BUILDING MATERIAL	Fly Ash	SiO2	IS 1727
34	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphur as Sulphur Trioxide(SO3)	IS 1727
35	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Aluminum Oxide (Al2O3)	IS 4032
36	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Calcium Oxide (CaO)	IS 4032
37	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Chloride (Cl)	IS 4032

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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
38	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Insoluble Residue	IS 4032
39	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Loss on Ignition(LOI)	IS 4032
40	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Magnesium oxide(MgO)	IS 4032
41	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Silica (SiO2)	IS 4032
42	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Total Sulphate Content As SO3	IS 4032
43	CHEMICAL- BUILDING MATERIAL	Micro silica / Silica fume	Silicon Dioxide(SIO2)	IS 1727
44	CHEMICAL- BUILDING MATERIAL	Micro silica/ Silica fume	Alkalies as Na2O	IS 4032
45	CHEMICAL- BUILDING MATERIAL	Micro silica/ Silica fume	Loss On Ignition	IS 1727
46	CHEMICAL- BUILDING MATERIAL	Micro silica/ Silica fume	Moisture Content	IS 15388
47	CHEMICAL- BUILDING MATERIAL	Soil/Sand	pH Value	IS 2720(Part-26)
48	CHEMICAL- BUILDING MATERIAL	Soil/Sand	Sulphate(as SO4)	IS 2720 (Part-27)
49	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon (C)	ASTM E-415
50	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon (C)	IS 8811
51	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium(Cr)	ASTM E-415
52	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium(Cr)	IS 8811
53	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt (Co)	ASTM E-415
54	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt (Co)	IS 8811
55	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper (Cu)	ASTM E-415
56	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper (Cu)	IS 8811

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57	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese (Mn)	ASTM E-415
58	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese (Mn)	IS 8811
59	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel(Ni)	ASTM E-415
60	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel(Ni)	IS 8811
61	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus (P)	ASTM E-415
62	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus (P)	IS 8811
63	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon (Si)	ASTM E-415
64	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon (Si)	IS 8811
65	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur (S)	ASTM E-415
66	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur (S)	IS 8811
67	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium (V)	ASTM E-415
68	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium (V)	IS 8811
69	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Manganese (Mn)	ASTM E 1086
70	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Phosphorus (P)	ASTM E 1086
71	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Carbon (C)	ASTM E 1086
72	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Carbon (C)	IS 9879
73	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Chromium(Cr)	ASTM E 1086
74	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Chromium(Cr)	IS 9879
75	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Copper (Cu)	ASTM E 1086

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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
76	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Copper (Cu)	IS 9879
77	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Manganese (Mn)	IS 9879
78	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Molybdenum(Mo)	ASTM E 1086
79	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Molybdenum(Mo)	IS 9879
80	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Nickel(Ni)	ASTM E 1086
81	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Nickel(Ni)	IS 9879
82	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Phosphorus (P)	IS 9879
83	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Silicon (Si)	ASTM E 1086
84	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Silicon (Si)	IS 9879
85	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Sulphur (S)	ASTM E 1086
86	CHEMICAL- METALS & ALLOYS	Stainless Steel Alloy	Sulphur (S)	IS 9879
87	CHEMICAL- WATER	Construction Water	Acidity	IS 3025 (Part-22)
88	CHEMICAL- WATER	Construction Water	Alkalinity	IS 3025(Part-23)
89	CHEMICAL- WATER	Construction Water	Chlorides (as Cl)	IS 3025(Part-32)
90	CHEMICAL- WATER	Construction Water	Fixed Residue	IS 3025(Part-18)
91	CHEMICAL- WATER	Construction Water	pH Value	IS 3025(Part-11)
92	CHEMICAL- WATER	Construction Water	Sulphate (SO3)	IS 3025 (Part-24)
93	CHEMICAL- WATER	Construction Water	Total Hardness	IS 3025(Part-21)
94	CHEMICAL- WATER	Construction Water	Total Suspended Solids	IS 3025(Part-17)
95	CHEMICAL- WATER	Construction Water	Volatile Residue	IS 3025(Part-18)
96	CHEMICAL- WATER	Water for construction purpose	Volume of 0.1 N HCl to neutralize 200 ml of sample (Alkalinity)	IRS-CBC-C.L.-4.3

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97	CHEMICAL- WATER	Water for construction purpose	Volume of 0.1 N NaOH to neutralize 200 ml of sample (Acidity)	IRS-CBC-C.L.-4.3
98	MECHANICAL- BUILDINGS MATERIALS	Autoclave Areated Block	Compressive Strength	IS 6441,Part-5
99	MECHANICAL- BUILDINGS MATERIALS	Autoclave Areated Block	Density	IS 6441, Part 1
100	MECHANICAL- BUILDINGS MATERIALS	Autoclave Areated Block	Dimension -Length	IS 2185 ,Part-3
101	MECHANICAL- BUILDINGS MATERIALS	Autoclave Areated Block	Dimension -Length	IS 2185 : Part-3
102	MECHANICAL- BUILDINGS MATERIALS	Autoclave Areated Block	Dimension -Width	IS 2185, Part-3
103	MECHANICAL- BUILDINGS MATERIALS	Autoclave Areated Block	Dimension-Height	IS 2185 Part-3
104	MECHANICAL- BUILDINGS MATERIALS	Autoclave Areated Block	Drying Shrinkage	IS 6441, Part 2
105	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495 (Part-1)
106	MECHANICAL- BUILDINGS MATERIALS	Brick	Efflorecence	IS 3495 (Part-3)
107	MECHANICAL- BUILDINGS MATERIALS	Brick	Sizes and Shapes (Height)	IS 1077
108	MECHANICAL- BUILDINGS MATERIALS	Brick	Sizes and Shapes (Length)	IS 1077
109	MECHANICAL- BUILDINGS MATERIALS	Brick	Sizes and Shapes (width)	IS 1077
110	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (Part-2)
111	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031(Part 6)
112	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
113	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031(Part 11)
114	MECHANICAL- BUILDINGS MATERIALS	Cement	Drying Shrinkage	IS:4031 (Part 10)

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115	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time (10 min. to 900 min.)	IS 4031 (Part-5)
116	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blain Air Permeability	IS 4031 (Part 2)
117	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031 (Part-1)
118	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time (5 min. to 600 min.)	IS 4031(Part 5)
119	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Autoclave Method	IS 4031 (Part 3)
120	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le Chatlier Method	IS 4031 (Part 3), Cl.5
121	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Length)	IS 13630 : Part-1
122	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Thickness)	IS 13630, Part-1
123	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Width)	IS 13630, Part-1
124	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of Rupture	IS 13630 , Part-6
125	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Surface Quality	IS 13630 : Part-1
126	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 : Part-2
127	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine Aggregate	Clay Lumps	IS 2386 (Part-2)
128	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine Aggregate	Coal & Lignite	IS 2386 (Part-2)
129	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine Aggregate	Soft Fragments (Soft Particles)	IS 2386 (Part-2)
130	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine Aggregate	Surface Moisture	IS 2386 Part 3
131	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fine Value	IS 2386 (Part-4)
132	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	ASTM C131/C131M
133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	ASTMC535

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134	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part-4)
135	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	ASTMC29/C29M-17a
136	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS:2386 (Part-3)
137	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part-4)
138	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
139	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)
140	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Grading (Sieve Analysis)	IS 2386 (Part-1)
141	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part-4)
142	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron sieves	ASTM C117
143	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron sieves	IS 2386 (Part-1)
144	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Petrographic Examination	IS 2386 (Part-8)
145	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness	ASTM C88/C88M
146	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS 2386 (Part-5)
147	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	ASTM C127
148	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part-3)
149	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	ASTM C127
150	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part-3)
151	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Grading (Sieve Analysis) (80mm - 0.075mm)	ASTM C136/C136M
152	MECHANICAL- BUILDINGS MATERIALS	Concrete	Drying Shrinkage & Moisture Movement	IS 1199

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153	MECHANICAL- BUILDINGS MATERIALS	Concrete	Drying Shrinkage & Moisture Movement	IS 516 (Part-6)
154	MECHANICAL- BUILDINGS MATERIALS	Concrete	Water Permeability of Concrete	IRS CBC, Appendix: G
155	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixtures	Air Content	IS 1199 : 1959 (part-4)
156	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixtures	Bleeding	IS 9103
157	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixtures	Compressive Strength	IS 516 (Part-1/Sec-1)
158	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixtures	Final Setting time	IS 1199 : Part-7
159	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixtures	Flexural strength	IS 516 (Part-1/Sec-1)
160	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixtures	Initial Setting time	IS 1199 : Part-7
161	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixtures	Length Change (Drying shrinkage)	IS:516- Part:6
162	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixtures	Water Content	IS 2386: Part-3
163	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixtures	Workability (Slump)	IS 1199 (Part-2)
164	MECHANICAL- BUILDINGS MATERIALS	Concrete Curing Compound	Drying Time Requirement	ASTM C 309-03 Clause No. 10.3
165	MECHANICAL- BUILDINGS MATERIALS	Concrete Curing Compound	Water Retention Properties	ASTM C-156-98
166	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part-3)
167	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Fine Agg.	IS 2386 PART 3
168	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grading (Sieve Analysis)	IS 2386 (Part-1)
169	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grading (Sieve Analysis) (4.75mm-0.075mm)	ASTM C136/C136M
170	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 micron sieves	ASTM C117
171	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 micron sieves	IS 2386 (Part-1)

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172	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Petrographic Examination	IS 2386 (Part-8)
173	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	CPWDSpesification Vol-1 Chap.-3 Nabhi Publication
174	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	ASTM C88/C88M
175	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS 2386 (Part-5)
176	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	ASTM C127
177	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part-3)
178	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	ASTM C-127
179	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part-3)
180	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	ASTM C29/C29M-17a
181	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727, Cl.10
182	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Drying Shrinkage	IS 1727, Cl.no.12
183	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blain Air Permeability	IS 1727, Cl.6.1
184	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727, Cl.9
185	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particles retained on 45 micron sieve	IS 1727,Cl.6.2
186	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave Method	IS 4031 (Part 3), Cl.6
187	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Le Chatelier Method	IS 4031 (Part 3), Cl.5
188	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727,Cl 15
189	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199 (Part 2) , Cl.4.3
190	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Fineness By Sp. Surface	IS 4031

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191	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Moisture Content	IS 16714 Appendix-B
192	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Moisture Content	IS 16715 Appendix-B
193	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Slag Activity Index (SAI)	IS 16715 table-2, Note-2
194	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete	Slag Activity Index(SAI)	16714 table-2, Note-2: 2018
195	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete - Beam	Flexural Strength	IS 516
196	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete - Core	Rapid Chloride Ion Penetration	ASTM C 1202
197	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube/Core	Compressive Strength	IS 516
198	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube/Core	COMPRESSIVE STRENGTH OF ACCELERATED-CURED CONCRETE (Boiling Water Method)	IS:9013
199	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube/Core	Density	IS:516 (Part 2/Sec1), Cl.4
200	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube/Core	Depth of Water Penetration	IS 516 (Part 2/Sec 1)
201	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Block	Compressive Strength	IS 2185 Part-1
202	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Block	Density	IS 2185 Part-1
203	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Block	Drying Shrinkage	IS 2185 Part-1
204	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Block	Moisture Movement	IS 2185,Part-1
205	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Block	Water Absorption	IS 2185 Part-1
206	MECHANICAL- BUILDINGS MATERIALS	Masonry Mortar	Compressive Strength of Masonry Mortar	IS 2250
207	MECHANICAL- BUILDINGS MATERIALS	Micro silica / Silica fume	Bulk Density	ASTM C-1240 - 10a, Cl. 19
208	MECHANICAL- BUILDINGS MATERIALS	Micro Silica / Silica Fume	Compressive Strength as percent at control sample	IS 1727

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209	MECHANICAL- BUILDINGS MATERIALS	Micro silica / Silica fume	Specific Gravity	IS 1727
210	MECHANICAL- BUILDINGS MATERIALS	Micro Silica/Silica Fume	Over size percent Retained on 45 micron	IS 1727
211	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion Resistance	IS 15658
212	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
213	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions -Length	IS 15658
214	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions-Thickness	IS 15658
215	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions-Width	IS 15658
216	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural strength/Breaking Load	IS 15658
217	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Plan Area/Wearing face Area	IS 15658
218	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Tensile Spliting Strength	IS 15658
219	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Thickness of wearing layer	IS 15658 , Annexure B
220	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
221	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire strand	Nominal cross sec area of Strand	IS 14268
222	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire Strand	Breaking Strength	IS 1608(Part 1)
223	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 wire strand	Elongation	IS 14268
224	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire strand	Length of Lay	IS 14268
225	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Wire strand	Nominal Diameter of Strand	IS 14268

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226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	7 wire strand	Nominal Mass	IS 14268
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	7 Wire strand	Percentage Difference in Diameter of Centre wire and Surrounding Wire of Strand	IS 14268
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coupler	Tensile Test	IS-1608 P-1
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials-Piping	Bend Test	IS 3589
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fillet Weld Joints, Ferrous Product	Fracture Test	ASME Sec. IX
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion welded joints and weld metal	Bend Test(Face bend and Root bend)	IS 3600 (Part-5)
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Mass per meter	IS 1786
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Rebend Test	IS 1786
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel/Structural Steel	0.2%Proof stress	IS 1608 (Part-1)
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel/Structural Steel	Bend Test	IS 1599
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel/Structural Steel	Elongation %	IS 1608(Part-1)
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel/Structural Steel	Tensile Strength	IS 1608 (Part-1)
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel/Structural Steel	Total Elongation % at max. force	IS 1608 (P-1)
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel/Structural Steel	Yield Strength	IS:1608 (Part-1)

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240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spiral welded pipes	Bend Test(Face bend and Root bend)	IS 5504
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld and Welded specimen	Transverse Tensile Strength	IS 3600 (Part-3)
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Steel Coupon Plate,Pipe and Weldments	Transverse Bend Test	ASME Sec.IX
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Steel Coupon Plate,Pipe and Weldments	Transverse Tensile Strength	ASME Sec.IX
244	MECHANICAL- SOIL AND ROCK	Bentonite	Dry Finess (75 micron)	IS 6186
245	MECHANICAL- SOIL AND ROCK	Bentonite	Dry Finesse (150 micron)	IS 6186
246	MECHANICAL- SOIL AND ROCK	Bentonite	Free Swelling Index	IS 2720 : Part-40
247	MECHANICAL- SOIL AND ROCK	Bentonite	Gel Formation Index	IS 6186
248	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 : Part 5
249	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
250	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
251	MECHANICAL- SOIL AND ROCK	Bentonite	Slurry Density	ASTM D4380
252	MECHANICAL- SOIL AND ROCK	Bentonite	Specific Gravity	IS 2720 :Part-3 :Sec- 1
253	MECHANICAL- SOIL AND ROCK	Bentonite	Swell Power	IS 6186
254	MECHANICAL- SOIL AND ROCK	Bentonite	Viscosity - Marsh Cone Funnel	ASTM D6910
255	MECHANICAL- SOIL AND ROCK	Bentonite	Wet Finess (45 micron)	IS 6186
256	MECHANICAL- SOIL AND ROCK	Boulder Spalls (Petrography)	Petrographic Analysis	IS 2386 : Part-8

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257	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Apparent Specific Gravity	IS 1124
258	MECHANICAL- SOIL AND ROCK	Natural Building Stone	True Specific Gravity	IS 1122
259	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Apparent Porosity	IS 1124
260	MECHANICAL- SOIL AND ROCK	Natural Building Stones	True Porosity	IS 1124
261	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS 1124
262	MECHANICAL- SOIL AND ROCK	Polymer	Density	ASTM D4380
263	MECHANICAL- SOIL AND ROCK	Polymer	Viscosity	ASTM D-6910
264	MECHANICAL- SOIL AND ROCK	Rock	Density using Saturation and Buoyancy Technique	IS 13030, Cl.6
265	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
266	MECHANICAL- SOIL AND ROCK	Rock	Porosity using Saturation and Buoyancy Technique	IS 13030,Cl.6
267	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability Index	IS 10050
268	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 13030
269	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
270	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030, Cl.4
271	MECHANICAL- SOIL AND ROCK	Soil	Consolidation(Cc)	IS:2720 (Part 15)
272	MECHANICAL- SOIL AND ROCK	Soil	Consolidation(Pc)	IS:2720 (Part 15)
273	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of internal friction (f))	IS:2720 (Part 13)
274	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion (Cc))	IS:2720 (Part 13)
275	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)

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276	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis by Wet Sieving (0.075 to 4.75)	IS 2720 (Part 4), Cl.4.3.1
277	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density	IS:2720 (Part 8)
278	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS:2720 (Part 8)
279	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Test-Clay	IS 2720 :Part-4
280	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Test-Silt	IS:2720 (Part 4)
281	MECHANICAL- SOIL AND ROCK	Soil	Laboratory CBR Test (Soaked)	IS:2720 (Part 16)
282	MECHANICAL- SOIL AND ROCK	Soil	Laboratory CBR Test (Unsoaked)	IS:2720 (Part 16)
283	MECHANICAL- SOIL AND ROCK	Soil	Laboratory Permeability Test (Constant Head Method)	IS:2720 (Part 17)
284	MECHANICAL- SOIL AND ROCK	Soil	Laboratory Permeability Test (Falling Head Method)	IS:2720 (Part 17)
285	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density	IS 2720 (Part 7)
286	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content	IS:2720 (Part 7)
287	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
288	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS: 2720 (Part 5)
289	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS:2720 (Part 6)
290	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/Sec 1)
291	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS:2720 (Part 41)
292	MECHANICAL- SOIL AND ROCK	Soil	Traiaxial Test (T.C.D)- Angle of internal friction (F)	IS:2720 (Part 12)
293	MECHANICAL- SOIL AND ROCK	Soil	Traiaxial Test (T.C.D)- Cohesion (C)	IS:2720 (Part 12)
294	MECHANICAL- SOIL AND ROCK	Soil	Traiaxial Test (T.C.U) -Angle of internal friction (F)	IS:2720 (Part 12)

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295	MECHANICAL- SOIL AND ROCK	Soil	Traiaxial Test (T.C.U) -Cohesion (C)	IS:2720 (Part 12)
296	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (T.U.U.) Angle of internal friction (f)	IS:2720 (Part 11)
297	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (T.U.U.) Cohesion (C)	IS:2720 (Part 11)
298	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS:2720 (Part 10)
299	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part-2)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Load Field Test	Cyclic Plate Load Test	IS 5249,Cl.6
2	MECHANICAL- SOIL AND ROCK	Load Field Test	Lateral Load Test	IS 2911(Part-4) Cl.8
3	MECHANICAL- SOIL AND ROCK	Load Field Test	Plate Load Test	IS 1888
4	MECHANICAL- SOIL AND ROCK	Load Field Test	Pull Out Test (Uplift)	IS 2911 Part-4 Cl. 9
5	MECHANICAL- SOIL AND ROCK	Load Field Test	Vertical Load Test(Compression) - Cyclic Load Method	IS 2911(Part-4) Cl. 7.3
6	MECHANICAL- SOIL AND ROCK	Load Field Test	Vertical Load Test(Compression) - Maintained Load Method	IS 2911(Part-4) Cl. 7.2
7	MECHANICAL- SOIL AND ROCK	Soil & Rock	Plate Load Test EV2/EV1	DIN 18134
8	MECHANICAL- SOIL AND ROCK	Soil & Rock -Field Test	Earth Resistivity Test (ERT)	IS 3043
9	MECHANICAL- SOIL AND ROCK	Soil Test At Site	Field CBR Test	IS 2720(Part- 31)
10	MECHANICAL- SOIL AND ROCK	Soil Test At Site	Field Density test by core cutter method	IS:2720 (Part 29)
11	MECHANICAL- SOIL AND ROCK	Soil Test At Site	Field Density test by Sand replacement method	IS:2720 (Part 28)
12	MECHANICAL- SOIL AND ROCK	Soil Test At Site	Field Moisture test by core cutter method	IS:2720 (Part 29)
13	MECHANICAL- SOIL AND ROCK	Soil Test At Site	Field Moisture test by Sand replacement method	IS:2720 (Part 28)
14	MECHANICAL- SOIL AND ROCK	Soil Test At Site	Modulus of Subgrade Reaction	IS 9214
15	MECHANICAL- SOIL AND ROCK	Soil Test At Site	Standard Penetration Test	IS:2131
16	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Material -Reinforced Concrete Structure	Low Strain Pile Integrity Testing	IRC 78 : Appendix 7 :Part-2

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17	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Rainforced Concrete Structures	Carbonation test	BS EN 14630
18	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Rainforced Concrete Structures	Cover Meter	BS 1881 Part 204
19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Rainforced Concrete Structures	Half-Cell Potential Test	ASTM C 876
20	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Rainforced Concrete Structures	Rebound Hammer	IS 13311 (Part 2)
21	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Rainforced Concrete Structures	Ultrasonic Pulse Velocity	ASTM C-597
22	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Rainforced Concrete Structures	Ultrasonic Pulse Velocity	IS 516 (Part 5/Sec.1)
23	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Reinforced Concrete Structures	Bridge (Span) Load Test (Bituminous & Concrete Section)	IRC SP : 51
24	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Reinforced Concrete Structures	High Strain Pile Dynamic Test	ASTM D 4945
25	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Reinforced Concrete Structures	High Strain Pile Dynamic Test	IRC 78
26	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Reinforced Concrete Structures	Low Strain Impact Integrity Testing of Deep Foundations	ASTM D 5882
27	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials-Reinforced Concrete Structure	Carbonation Test	IS 516 :Part-5 : Section-3

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28	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials-Reinforced Concrete Structure	Half Cell Potential Test	IS 516 :Part-5 :Section-2
29	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials-Reinforced Concrete Structure	Rebound Hammer Test	IS 516 :Part-5: Section-4
30	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Cross Hole Sonic Test on piles	Cross Hole Sonic Test	ASTM D 6760