National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	MATERIAL TECHNOLOGY & TESTING DIVISION, STRUCTWEL DESIGNERS & CONSULTANTS PVT. LTD., P-26, MIA HOUSE, MIDC INDUSTRY AREA, HINGNA ROAD, NAGPUR, MAHARASHTRA, 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	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	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Coarse	Chlorides	IS 14959 (Part 2)
7	CHEMICAL- BUILDING MATERIAL	Coarse	Sulphate	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Fine	Chlorides	IS14959 (Part 2)
9	CHEMICAL- BUILDING MATERIAL	Fine	Sulphate	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Fly Ash	Alumina (Al2O3)	IS 1727
11	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Fly Ash	Combined (Al2O3+Fe2O3)	IS 1727
13	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS: 1727
14	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia (MgO)	IS 1727
15	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica (SiO2)	IS 1727
16	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphur Trioxide (SO3)	IS 1727
17	CHEMICAL- BUILDING MATERIAL	Fresh Mortar & Concrete	Acid Soluble Chlorides	IS 14959 Part 1
18	CHEMICAL- BUILDING MATERIAL	Fresh Mortar & Concrete	Water Soluble Chlorides	IS 14959 Part 1

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19	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Aluminium Oxide (Al2O3)	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Calcium oxide (CaO)	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Chloride	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Ferric Oxide (Fe2O3)	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Insoluble Residue	IS 4032
24	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Loss on Ignition	IS 4032
25	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Magnesia (MgO)	IS 4032
26	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Silica (SiO2)	IS 4032
27	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Sulphuric Anhydride (SO3)	IS 4032
28	CHEMICAL- BUILDING MATERIAL	Harden Mortar & Concrete	Acid Soluble Chlorides	IS 14959 Part 2
29	CHEMICAL- BUILDING MATERIAL	Harden Mortar & Concrete	Water Soluble Chlorides	IS 14959 Part 2
30	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Aluminium Oxide (Al2O3)	IS 4032
31	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Calcium Oxide (CaO)	IS 4032
32	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Chloride	IS 4032
33	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Ferric Oxide (Fe2O3)	IS 4032
34	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Insoluble Residue	IS 4032
35	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Loss on Ignition	IS 4032
36	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Magnesia (MgO)	IS 4032
37	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Silica (SiO2)	IS 4032

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38	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Sulphuric Anhydride (SO3)	IS 4032
39	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Chloride	IS 4032
40	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Insoluble Residue	IS 4032
41	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Loss on Ignition	IS 4032
42	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Magnesia (MgO)	IS 4032
43	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Sulphur Trioxide (SO3)	IS 4032
44	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PPC)	Aluminium Oxide (Al2O3)	IS 4032
45	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Calcium Oxide (CaO)	IS 4032
46	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Chloride	IS 4032
47	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Ferric Oxide (Fe2O3)	IS 4032
48	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Insoluble Residue	IS 4032
49	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Loss on Ignition	IS 4032
50	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Magnesia (MgO)	IS 4032
51	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Silica (SiO2)	IS 4032
52	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Sulphuric Anhydride (SO3)	IS 4032
53	CHEMICAL- BUILDING MATERIAL	Silica Fumes	Loss on Ignition	IS 1727
54	CHEMICAL- BUILDING MATERIAL	Silica Fumes	Moisture	IS 15388
55	CHEMICAL- BUILDING MATERIAL	Silica Fumes	Silica (SiO2)	IS 1727
56	CHEMICAL- METALS & ALLOYS	Steels	Carbon (C)	IS 228 (Part 1)

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57	CHEMICAL- METALS & ALLOYS	Steels	Manganese (Mn)	IS 228 (Part 2)
58	CHEMICAL- METALS & ALLOYS	Steels	Phosphorus (P)	IS 228 (Part 3)
59	CHEMICAL- METALS & ALLOYS	Steels	Sulphur %(S)	IS 228 (Part 9)
60	CHEMICAL- SOIL AND ROCK	Soil	Chloride	BS 1377 Part 3 (Section 9.2.7) Volhard's Method
61	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 Part 22
62	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (Part-26)
63	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate (SO3)	IS 2720 Part 27
64	CHEMICAL- WATER	Construction water	Acidity (To neutralize 100 mL of water sample, 0.02N NaOH required)	IS 3025 (Part 22)
65	CHEMICAL- WATER	Construction water	Alkalinity (To neutralize 100 mL water sample, 0.02N H2SO4 required)	IS 3025 (Part 23)
66	CHEMICAL- WATER	Construction Water	Chloride	IS:3025 (Part 32)
67	CHEMICAL- WATER	Construction water	Filterable Residue (Toatal Dissolved Solids)	IS 3025 (Part 16)
68	CHEMICAL- WATER	Construction water	Fixed Residue (Inorganic Residue)	IS 3025 (Part 18)
69	CHEMICAL- WATER	Construction Water	Hardness of CaCO3 (EDTA method)	IS 3025 (Part 21)
70	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
71	CHEMICAL- WATER	Construction Water	Sulphate as SO3 (Sulphite)	IS 3025 (Part 24)
72	CHEMICAL- WATER	Construction water	Total Suspended solid	IS 3025 (Part 17)
73	CHEMICAL- WATER	Construction water	Volatile Residue (Organic Residue)	IS 3025 (Part 18)
74	MECHANICAL- BUILDINGS MATERIALS	Acid-Resistant Bricks	Acid Resistance	IS : 4860
75	MECHANICAL- BUILDINGS MATERIALS	Acid-Resistant Bricks	Resistance to Wear	IS : 4860
76	MECHANICAL- BUILDINGS MATERIALS	Acid-Resistant Bricks	Water Absorption	IS : 4860

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77	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Block	Compressive Strength.	IS 6441(Part 5)
78	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Block	Dimensions (Length)	IS 2185 (Part 3)
79	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Block	Moisture Content	IS 6441 (Part 1)
80	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Block	Density	IS 6441 (Part 1)
81	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Block	Dimension (Height)	IS 2185 Part 3
82	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Block	Dimension (Width)	IS 2185 Part 3
83	MECHANICAL- BUILDINGS MATERIALS	Beam (prism)	Flexural Strength	IS 516 (Part 1/Sec 1)
84	MECHANICAL- BUILDINGS MATERIALS	Bitumenous Mix	Density	ASTM D 2726 - 04
85	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D2172:
86	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 - (Part 1)
87	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
88	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions (Length)	IS 1077
89	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimenssion (Width)	IS 1077
90	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence.	IS 3495-(Part 3)
91	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption.	IS 3495 - (Part 2)
92	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Flyash Bricks	Compressive strength	IS 3495
93	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Flyash Bricks	Dimenssion (Height)	IS 1077
94	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Flyash Bricks	Dimenssion (Length)	IS 1077
95	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Flyash Bricks	Dimenssion (Width)	IS 1077

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96	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Flyash Bricks	Efflorescence	IS 3495 Part 3
97	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Flyash Bricks	Water Absorption	IS 3495 Part 2
98	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Compressive Strength	IS 4031- (Part 6)
99	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Density	IS 4031- Part 11
100	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Final Setting Time	IS 4031- Part 5
101	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Fineness by Sieving	IS 4031 (Part 1)
102	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Fineness by Specific Surface - Blain Air Permeability	IS 4031- Part 2
103	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Initial Setting Time	IS 4031- Part 5
104	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Normal Consistency	IS 4031- (Part 4)
105	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Soundness by Le-Chatelier	IS 4031- Part 3
106	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC)	Compressive Strength	IS 4031- (Part 6)
107	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC)	Density	IS 4031- Part 11
108	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC)	Final Setting Time	IS 4031 part 5
109	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC)	Fineness by dry Sieving	IS 4031 Part 1
110	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC)	Fineness by Specific Surface - Blain Air Permeability	IS 4031 Part 2
111	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC)	Inital Setting Time	IS 4031 Part 5
112	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC)	Normal Consistency	IS 4031 Part 4
113	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles Glazed/Unglazed	Dimensions (Length)	IS 13630 (Part 1)
114	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles Glazed/Unglazed	Scratch Hardness (Moh's Scale)	IS 13630 - (Part 13),

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115	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles Glazed/Unglazed	Water Absorption	IS 13630 - (Part 2),
116	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles Glazed/Unglazed	Dimension (Width)	IS 13630 Part 1
117	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles Glazed/Unglazed	Dimenssion (Thickness)	IS 13630 Part 1
118	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles Glazed/Unglazed	Surface Defects	IS 13630 Part 1
119	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value.	IS 2386 (Part 4)
120	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value - Los Angeles	IS 2386 (Part 4)
121	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 - (Part 4)
122	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material - coal & lignite & clay lumps	IS 2386 (Part 2)
123	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Dry Loose Bulk Density & Compacted Density	IS 2386 (Part 3)
124	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part - 1)
125	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part - 1)
126	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
127	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Organic Impurities	IS 2386 - (Part 2)
128	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis 80 mm to 4.75 mm (80, 63, 40, 20,16,12.5, 10, 4.75mm)	IS 2386 (Part - 1)
129	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness - By Magnesium Sulphate	IS 2386 (Part 5)
130	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness - By Sodium Sulphate	IS 2386 (Part 5)
131	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part - 3)
132	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241 (Part 1)

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133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part - 3)
134	MECHANICAL- BUILDINGS MATERIALS	Core	Water Permeability of Concrete	IS 516 (Part 2/Sec 1)
135	MECHANICAL- BUILDINGS MATERIALS	Core	Compressive Strength	IS 516 (Part 4)
136	MECHANICAL- BUILDINGS MATERIALS	Core	Density	IS 516 Part 2/Sec 1
137	MECHANICAL- BUILDINGS MATERIALS	Core	Split Tensile Strength	IS 516 Part 1/Sec 1
138	MECHANICAL- BUILDINGS MATERIALS	Core	Water Permeability of Concrete	DIN 1048
139	MECHANICAL- BUILDINGS MATERIALS	Cube	Compressive Strength of Cube	IS 516 Part 1/sec 1
140	MECHANICAL- BUILDINGS MATERIALS	Cube	Compressive Strength of Cylinder by Accelerated Curing	IS 9013
141	MECHANICAL- BUILDINGS MATERIALS	Cube	Split Tensile Test	IS 516 Part 1/Sec 1
142	MECHANICAL- BUILDINGS MATERIALS	Cube	Water Permeability	IS 516 Part 2/Sec 1
143	MECHANICAL- BUILDINGS MATERIALS	Cube	Water Permeability of Concrete	DIN 1048
144	MECHANICAL- BUILDINGS MATERIALS	Cylinder	Compressive strength of Cylinder	IS 516 Part 1/Sec1
145	MECHANICAL- BUILDINGS MATERIALS	Cylinder	Compressive Strength of Cylinder by Accelerated Curing	IS : 9013
146	MECHANICAL- BUILDINGS MATERIALS	Cylinder	Split Tensile Strength	IS 516 Part 1/Sec 1
147	MECHANICAL- BUILDINGS MATERIALS	Cylinder	Water Permeability	IS 516 Par 2/Sec 1
148	MECHANICAL- BUILDINGS MATERIALS	Cylinder	Water Permeability of Concrete	DIN 1048
149	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	End Immersion Test	IS 4020 Part 13
150	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Glue Adhesion Test	IS 4020 Part 15
151	MECHANICAL- BUILDINGS MATERIALS	Doors Shutters	Knife Test	IS 4020 Part 14

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152	MECHANICAL- BUILDINGS MATERIALS	Fine Aggreagte	Soundness - By Sodium Sulphate	IS 2386 (Part 5)
153	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS 2386(Part 3)
154	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material -coal and lignite & clay lumps	IS 2386 (Part 2)
155	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Dry Loose Bulk Density & Compacted Density	IS 2386 (Part 3)
156	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials Finer than 75 Micron	IS 2386 (Part 1)
157	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 - (Part 2)
158	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis 10mm to 0.150mm (10, 4.75 2.36, 1.18, 0.600, 0.300 and 0.150 mm)	IS 2386 (Part 1)
159	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness - By Magnesium Sulphate	IS 2386 (Part 5)
160	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
161	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
162	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
163	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Final Setting Time	IS: 4031
164	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Initial Setting Time	IS 4031
165	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
166	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle Retained on 45 micron	IS 1727
167	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Le Chatelier	IS 1727
168	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
169	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Surface by Blaine air permeability	IS 1727

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170	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Standard Consistency	IS:4031 (Part 4)
171	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199 (Part 2)
172	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Water Absorption	IS 2386 (Part-3)
173	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Fineness	IS 4031 Part 2
174	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Slag activity Index	IS 16714-
175	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Hollow Concrete Block Dimension (width)	IS 2185 Part 1
176	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Solid Concrete Block Dimension (Height)	IS 2185 Part 1
177	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Solid Concrete Block Dimension (Width)	IS 2185 part 1
178	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Hollow Concrete Block Density	IS 2185 (Part 1)
179	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Hollow Concrete Block Water Absorption	IS 2185 (Part 1)
180	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Hollow Concrete Block Compressive Strength.	IS 2185 (Part 1)
181	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Hollow Concrete Block Dimension (Length)	IS 2185 (Part 1)
182	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Solid Concrete Block Dimension (Length)	IS 2185 (Part 1)
183	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Hollow Concrete Block Dimension (Height)	IS 2185 Part 1
184	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Solid Concrete Block Density	IS 2185 (Part 1)
185	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Solid Concrete Block Water Absorption	IS 2185 (Part 1)
186	MECHANICAL- BUILDINGS MATERIALS	Masonry blocks and Hollow concrete Block	Solid Concrete Block Compressive Strength.	IS 2185 (Part 1)
187	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Compressive strength by percent over control sample	IS 1727
188	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Oversize percent retained on 45 micron IS Sieve	IS 1727

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189	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Oversize percent retained on 45 micron IS Sieve, variation from average percent	IS 1727
190	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Resistance to Wear	IS 1706
191	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Compressive Strength	IS 15658
192	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Dimension (Length)	IS 15658 :
193	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Dimension (Thickness)	IS 15658
194	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Dimension (Width)	IS 15658
195	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Flexural Strength	IS 15658
196	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Water Absorption	IS 15658
197	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Abrasion Resistance	IS 15658
198	MECHANICAL- BUILDINGS MATERIALS	Plain, Chequered Cement Concrete flooring tiles	Perpendicularity	IS 1237
199	MECHANICAL- BUILDINGS MATERIALS	Plain, Chequered Cement Concrete flooring tiles	Flatness	IS 1237
200	MECHANICAL- BUILDINGS MATERIALS	Plain, Chequered Cement Concrete flooring tiles	Resistance to wear	IS 1237
201	MECHANICAL- BUILDINGS MATERIALS	Plain, Chequered Cement Concrete flooring tiles	Straightness	IS 1237
202	MECHANICAL- BUILDINGS MATERIALS	Plain, Chequered Cement Concrete flooring tiles	Water Absorption	IS 13801
203	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs, Channels, Edging, Quadrants and Other Associated Fittings	Dimension (Height)	IS 5758
204	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs, Channels, Edging, Quadrants and Other Associated Fittings	Dimension (Length)	IS 5758
205	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs, Channels, Edging, Quadrants and Other Associated Fittings	Dimension (Width)	IS 5758
206	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs, Channels, Edging, Quadrants and Other Associated Fittings	Water Absorption	IS 5758

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207	MECHANICAL- BUILDINGS MATERIALS	Timber	Moisture content	IS 11215
208	MECHANICAL- BUILDINGS MATERIALS	Water Bound Macadam	Water Absorption	IS 2386 (Part-3)
209	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Water Absorption	IS 2386 (Part-3)
210	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bars And Wires For Concrete Reinforcement	% Elongation	IS 1608 Part 1
211	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bars And Wires For Concrete Reinforcement	Bend Test	IS 1599
212	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bars And Wires For Concrete Reinforcement	Mass Per Unit Length	IS 1786
213	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bars And Wires For Concrete Reinforcement	Re-Bend Test	IS 1786
214	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bars And Wires For Concrete Reinforcement	Ultimate Tensile Strength.	IS 1608 (part 1)
215	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bars And Wires For Concrete Reinforcement	Yield Strength.	IS 1608 (part 1)
216	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hollow Steel Sections For Structural Use	% Elongation	IS 1608 Part 1
217	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hollow Steel Sections For Structural Use	Tensile Strength	IS 1608 Part 1
218	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hollow Steel Sections For Structural Use	Yeild Strength	IS 1608 Part 1
219	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium And High Tensile Structural Steel	% Elongation	IS 1608 Part 1
220	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium And High Tensile Structural Steel	Bend Test	IS 1599

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221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium And High Tensile Structural Steel	Ultimate Tensile Strength	IS 1608 Part 1
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium And High Tensile Structural Steel	Yeild Strength	IS 1608 Part 1
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steel and Medium Tensile Steel Bars and Hard Drawn wires For Concrete Reinforcement	% Elongation	IS 1608 Part 1
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steel and Medium Tensile Steel Bars and Hard Drawn wires For Concrete Reinforcement	Ultimate Tensile Strength	IS 1608 Part 1
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steel and Medium Tensile Steel Bars and Hard Drawn wires For Concrete Reinforcement	Yeild Strength	IS 1608 Part 1
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes For Structural Purposes	% Elongation	IS 1608 Part 1
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes For Structural Purposes	Flattening Test	IS 2328
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes For Structural Purposes	Ultimate Tensile Strength	IS 1608 Part 1
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes For Structural Purposes	Yeild Strength	IS 1608 Part 1
230	MECHANICAL- SOIL AND ROCK	Flay Ash	Consolidation Test (Oedometer test)	IS 2720 (Part 15)
231	MECHANICAL- SOIL AND ROCK	Fly Ash	Direct Shear Test (Angle of Internal Friction)	IS 2720 (Part 13)
232	MECHANICAL- SOIL AND ROCK	Fly Ash	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
233	MECHANICAL- SOIL AND ROCK	Fly Ash	Grain Size Analysis including Hydrometer Analysis	IS 2720 (Part 4)
234	MECHANICAL- SOIL AND ROCK	Fly Ash	Liquid Limit	IS 2720 (Part 5)
235	MECHANICAL- SOIL AND ROCK	Fly Ash	Permeability Test (Falling Head Method)	IS 2720 (Part 17) Clause 6

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236	MECHANICAL- SOIL AND ROCK	Fly Ash	Plastic Limit	IS 2720 (Part 5)
237	MECHANICAL- SOIL AND ROCK	Fly Ash	Specific Gravity	IS 2720 (Part 3/Sec 2)
238	MECHANICAL- SOIL AND ROCK	Fly Ash	Water Content - Dry Density relation using Heavy Compaction (O.M.C)	IS 2720 (Part 8)
239	MECHANICAL- SOIL AND ROCK	Fly Ash	Water content - Dry Density Relation using Heavy Compaction.(M.D.D)	IS 2720 (Part 8)
240	MECHANICAL- SOIL AND ROCK	Granular Sub Base	Water Content - Dry Density relation using Heavy Compaction (M.D.D)	IS 2720 (Part-8)
241	MECHANICAL- SOIL AND ROCK	Granular Sub Base	California Bearing Ratio	IS 2720 (Part-16)
242	MECHANICAL- SOIL AND ROCK	Granular Sub Base	Water Content - Dry Density relation using Heavy Compaction (O.M.C)	IS 2720 (Part-8)
243	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
244	MECHANICAL- SOIL AND ROCK	Rock	Hardness by Mho's Scale	IS 13630 (Part 13)
245	MECHANICAL- SOIL AND ROCK	Rock	Permeability	IS 4348
246	MECHANICAL- SOIL AND ROCK	Rock	Point Load Test	IS 8764
247	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
248	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1122
249	MECHANICAL- SOIL AND ROCK	Rock	Split Tensile Strength by Brazillian Method	IS 10082
250	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
251	MECHANICAL- SOIL AND ROCK	Rock	Water Absorbtion	IS 1124
252	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030

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253	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Oedometer test)	IS 2720 (Part 15)
254	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Internal Friction)	IS 2720 (Part 13)
255	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
256	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720-(Part-40)
257	MECHANICAL- SOIL AND ROCK	Soil	Laboratory California Bearing Ratio	IS 2720 (Part 16)
258	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
259	MECHANICAL- SOIL AND ROCK	Soil	Permeability Test (Constant Head Method)	IS 2720 (Part 17) Clause 5
260	MECHANICAL- SOIL AND ROCK	Soil	Permeability Test (Falling Head Method)	IS 2720 (Part 17) Clause 6
261	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
262	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
263	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis including Hydrometer Analysis	IS 2720 (Part 4)
264	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/Section 1 & 2
265	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
266	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear by Unconsolidated Undrained (UU) Method Without Measurement of Pore Water Pressure (Angle of internal friction)	IS 2720 (Part 11)
267	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear by Unconsolidated Undrained (UU) Method Without Measurement of Pore Water Pressure (Cohesion)	IS 2720 (Part 11)
268	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
269	MECHANICAL- SOIL AND ROCK	Soil	water Content	IS 2720 (Part 2)

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270	MECHANICAL- SOIL AND ROCK	Soil	Water Content - Dry Density relation using Heavy Compaction (O.M.C)	IS 2720 (Part 8)
271	MECHANICAL- SOIL AND ROCK	Soil	Water content - Dry Density Relation using Heavy Compaction.(M.D.D)	IS 2720 (Part 8)
272	MECHANICAL- SOIL AND ROCK	Soil	Water Content - Dry Density relation using Light Compaction (M. D. D)	IS 2720 (Part 7)
273	MECHANICAL- SOIL AND ROCK	Soil	Water Content - Dry Density relation using Light Compaction (O.M.C)	IS 2720 (Part 7)
274	MECHANICAL- SOIL AND ROCK	Water Bound Macadam	California Bearing Ratio	IS 2720 (Part 16)
275	MECHANICAL- SOIL AND ROCK	Water Bound Macadam	Water Content - Dry Density relation using Heavy Compaction (M.D.D)	IS 2720 (Part-8)
276	MECHANICAL- SOIL AND ROCK	Water Bound Macadam	Water Content - Dry Density relation using Heavy Compaction (O.M.C)	IS 2720 (Part-8)
277	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	California Bearing Ratio	IS 2720 (Part-16)
278	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	Water Content - Dry Density relation using Heavy Compaction (M. D. D)	IS 2720 (Part 8)
279	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	Water Content - Dry Density relation using Heavy Compaction (O.M.C)	IS 2720 (Part-8)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Concrete Pile	Load Test on Pile	IS 2911 (Part 4)
2	MECHANICAL- SOIL AND ROCK	Rock	In-Situ Permeability (Test in Bed Rock)	IS 5529 (Part 2)
3	MECHANICAL- SOIL AND ROCK	Soil	Cyclic Plate Load Test	IS 5249 (Clause 6)
4	MECHANICAL- SOIL AND ROCK	Soil	Dynamic Cone Penetration Test (DCPT)	IS 4968 (Part 1)
5	MECHANICAL- SOIL AND ROCK	Soil	Dynamic Cone Penetration Test in shallow Pavement Applications	ASTM D6951-03
6	MECHANICAL- SOIL AND ROCK	Soil	Field California Bearing Ratio	IS 2720 (Part 31)
7	MECHANICAL- SOIL AND ROCK	Soil	Field Density by Core Cutter method	IS 2720 (Part 29)
8	MECHANICAL- SOIL AND ROCK	Soil	Field Density by Sand Replacement method	IS 2720 (Part 28)
9	MECHANICAL- SOIL AND ROCK	Soil	Ground Penetrating Radar Survey	ASTM D 6432-99
10	MECHANICAL- SOIL AND ROCK	Soil	In Situ Density By Water Replacement	IS 2720 (Part 33)
11	MECHANICAL- SOIL AND ROCK	Soil	In-Situ Permeability (Test in Overburden Soil)	IS 5529 (Part 1)
12	MECHANICAL- SOIL AND ROCK	Soil	Load Test on In-Situ Footing	IS 10042
13	MECHANICAL- SOIL AND ROCK	Soil	Measurement of Earth Resistivity	IS 3034 Clause 40
14	MECHANICAL- SOIL AND ROCK	Soil	Modulus Of Subgrade Reaction (K-value)	IS 9214
15	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
16	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test (SPT)	IS 2131
17	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Pile	Pile Integrity Test (50m)	IS 14893

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18	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Pile	Pile Intergrity Test (50m)	ASTM D5882
19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Bridge Span Test	IRC SP 51
20	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Carbonation Test	IS 516 (Part 5/Sec 3)
21	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Cover Meter Test	BS 1881 (Part 204)
22	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Half Cell Potential Test	IS 516 (Part 5/Sec 2)
23	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer	IS 516 (Part 5/Sec 4)
24	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Slab Load Test	IS : 456
25	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity Test	IS : 516 (Part 5, Sec 1)