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Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixtures	Ash Content	IS: 9103
2	CHEMICAL- BUILDING MATERIAL	Admixtures	Chloride ion content	IS: 6925
3	CHEMICAL- BUILDING MATERIAL	Admixtures	Dry Material Content	IS: 9103
4	CHEMICAL- BUILDING MATERIAL	Admixtures	pH	IS: 9103
5	CHEMICAL- BUILDING MATERIAL	Admixtures	Relative Density	IS: 9103
6	CHEMICAL- BUILDING MATERIAL	Aggregates	Alkali aggregate reactivity a. Silica Released (SC) b. Reduction in Alkalinity (RC)	IS: 2386 (P-7)
7	CHEMICAL- BUILDING MATERIAL	Aggregates	Chloride (%)	BS: 812 (P-117)
8	CHEMICAL- BUILDING MATERIAL	Aggregates	Sulphate (%)	BS: 812 (P-118)
9	CHEMICAL- BUILDING MATERIAL	Bitumen	Loss on Heating	IS: 1212
10	CHEMICAL- BUILDING MATERIAL	Bitumen	Solubility in Trichloroethylene	IS: 1216
11	CHEMICAL- BUILDING MATERIAL	Cement	Alumina as Al2O3	IS: 4032
12	CHEMICAL- BUILDING MATERIAL	Cement	Calcium (as CaO)	IS: 4032
13	CHEMICAL- BUILDING MATERIAL	Cement	Chloride (as Cl)	IS: 4032
14	CHEMICAL- BUILDING MATERIAL	Cement	Insoluble Residue	IS: 4032
15	CHEMICAL- BUILDING MATERIAL	Cement	Iron as Fe2O3	IS: 4032
16	CHEMICAL- BUILDING MATERIAL	Cement	Loss on Ignition	IS: 4032
17	CHEMICAL- BUILDING MATERIAL	Cement	Magnesia as MgO	IS: 4032
18	CHEMICAL- BUILDING MATERIAL	Cement	Silica as SiO2	IS: 4032

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19	CHEMICAL- BUILDING MATERIAL	Cement	Sulphur as Sulphide (S)	IS: 4032
20	CHEMICAL- BUILDING MATERIAL	Cement	Sulphuric Anhydride	IS: 4032
21	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkali (as Na2O)	IS: 4032
22	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide	IS: 1727
23	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride	IS: 4032
24	CHEMICAL- BUILDING MATERIAL	Fly Ash	Combined Ferric Oxide and Alumina	IS: 1727
25	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS: 1727
26	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia (as MgO)	IS: 1727
27	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica(as SiO2)	IS: 1727
28	CHEMICAL- BUILDING MATERIAL	Fly Ash	Total Sulphur (as SO3)	IS: 1727
29	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Chloride (%)	IS: 14959 (Part-2)
30	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Sulphate (%)	IS: 4032
31	CHEMICAL- BUILDING MATERIAL	Micro Silica	Alkali (as Na2O)	IS: 4032
32	CHEMICAL- BUILDING MATERIAL	Micro Silica	Loss on Ignition (% by mass)	IS: 1727
33	CHEMICAL- BUILDING MATERIAL	Micro Silica	Moisture (% by mass)	IS: 15388
34	CHEMICAL- BUILDING MATERIAL	Micro Silica	Silica (% by mass)	IS: 1727
35	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Alkali Content (as Na2O)	IS: 4032
36	CHEMICAL- BUILDING MATERIAL	Tile	Chemical Resistance	IS: 13630(Part 7 & 8)
37	CHEMICAL- BUILDING MATERIAL	Tile	Stain Resistance	IS: 13630 (Part 7 & 8)

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38	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Aluminium Section	Anodic Coating	IS: 5523
39	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Aluminium section	Powder Coating (Dry Film Thickness)	IS: 101, Part 3, Sec-2
40	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	GI Sheet/ GI Pipe	Mass of Zinc Coating	IS: 6745
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228: (P-1)
42	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228: (P-6)
43	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 228: (P-2)
44	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228: (P-5)
45	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 228: (P-3)
46	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 228: (P-8)
47	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 228: (P-9)
48	CHEMICAL- METALS & ALLOYS	Strand Wire	Phosphorus	IS 228: (P-3)
49	CHEMICAL- METALS & ALLOYS	Strand Wire	Sulphur	IS 228: (P-9)
50	CHEMICAL- METALS & ALLOYS	Structural Steel	Carbon	IS 228: (P-1)
51	CHEMICAL- METALS & ALLOYS	Structural Steel	Manganese	IS 228: (P-2)
52	CHEMICAL- METALS & ALLOYS	Structural Steel	Phosphorous	IS 228: (P-3)
53	CHEMICAL- METALS & ALLOYS	Structural Steel	Silicon	IS 228: (P-8)
54	CHEMICAL- METALS & ALLOYS	Structural Steel	Sulphur	IS 228: (P-9)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	calcium Carbonate	IS:2720 (P-23)

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56	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter, % by mass	IS 2720 (P-22)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH value	IS:2720 (P-26)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Potassium	based on Manual for soil of Ministry of Agriculture and forest.)issue date 09.05: 2019
59	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium	based on Manual for soil of Ministry of Agriculture and forest.)issue date 09.05: 2019
60	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Soluble solids	IS :2720(P-21)
61	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Water soluble sulphates	IS:2720 (P-27)
62	CHEMICAL- WATER	Water for construction purpose	Acidity (to neutralized 100 ml sample by 0.02 N NaOH)	IS:456
63	CHEMICAL- WATER	Water for construction purpose	Alkalinity (to neutralized 100 ml sample by 0.02 N H2SO4)	IS:456
64	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS:3025(P-32)
65	CHEMICAL- WATER	Water for construction purpose	Inorganic Solid	IS:3025(P- 18)
66	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS:3025(P-18)
67	CHEMICAL- WATER	Water for construction purpose	pH value	IS:3025(P- 11)
68	CHEMICAL- WATER	Water for construction purpose	Sulphates as SO3	IS:3025(P-24)
69	CHEMICAL- WATER	Water for construction purpose	Total Suspended solid	IS:3025(P-17)
70	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS:6441(Part-5)
71	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Block Density	IS:6441(Part-1)
72	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimensions	IS:2185(Part-3)
73	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Drying Shrinkage	IS:6441(Part-2)
74	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Water Absorption	IS:2185(Part-1)
75	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	10% Fine Value	IS:2386(Part-4)

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76	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Abrasion Value	IS:2386(Part-4)
77	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Bulk Density	IS:2386(Part-3)
78	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Crushing Value	IS:2386(Part-4)
79	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Deleterious Material	IS:2386(Part-2)
80	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Elongation Index	IS:2386(Part-1)
81	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Flakiness Index	IS:2386(Part-1)
82	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Impact Value	IS:2386(Part-4)
83	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Organic Impurities	IS:2386(Part-2)
84	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Sieve Analysis	IS:2386(Part-1)
85	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Soundness	IS:2386(Part-5)
86	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Specific gravity	IS:2386(Part-3)
87	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Stripping Value	IS:6241
88	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Water Absorption	IS:2386(Part-3)
89	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Fine)	Bulk Density	IS:2386(Part-3)
90	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Fine)	Bulking	IS:2386(Part-3)
91	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Fine)	Deleterious Material	IS:2386(Part-2)
92	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Fine)	Organic Impurities	IS:2386(Part-2)
93	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Fine)	Sieve Analysis	IS:2386(Part-1)
94	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Fine)	Soundness	IS:2386(Part-5)

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95	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Fine)	Specific Gravity	IS:2386(Part-3)
96	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Fine)	Water Absorption	IS:2386(Part-3)
97	MECHANICAL- BUILDINGS MATERIALS	Bricks(Clay, Fly Ash ,Lime ,Sewer)	Compressive Strength	IS:3495 (Part-1)
98	MECHANICAL- BUILDINGS MATERIALS	Bricks(Clay,Fly Ash ,Lime ,Sewer)	Dimensions (Height)	IS:1077
99	MECHANICAL- BUILDINGS MATERIALS	Bricks(Clay,Fly Ash ,Lime ,Sewer)	Dimensions (Length)	IS:1077
100	MECHANICAL- BUILDINGS MATERIALS	Bricks(Clay,Fly Ash ,Lime ,Sewer)	Dimensions (Width)	IS:1077
101	MECHANICAL- BUILDINGS MATERIALS	Bricks(Clay,Fly Ash ,Lime ,Sewer)	Drying Shrinkage	IS:4139
102	MECHANICAL- BUILDINGS MATERIALS	Bricks(Clay,Fly Ash ,Lime ,Sewer)	Efflorescence	IS:3495(Part-3)
103	MECHANICAL- BUILDINGS MATERIALS	Bricks(Clay,Fly Ash ,Lime ,Sewer)	Water Absorption	IS:3495 (Part-2)
104	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PS C)	Compressive Strength	IS:4031(Part-6)
105	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PS C)	Consistency	IS:4031 Part 4
106	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PS C)	Final setting Time	IS:4031(Part 5)
107	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PS C)	Fineness (Blaine's)	IS:4031(Part-2)
108	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PS C)	Initial setting Time	IS:4031(Part-5)
109	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PS C)	Soundness (Le Chatelier)	IS:4031(Part-3)
110	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PS C)	Soundness(Autoclave)	IS:4031(Part-3)
111	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PS C)	sp gravity	IS:4031(Part-11)
112	MECHANICAL- BUILDINGS MATERIALS	Cement(PPC/PS C)	Drying Shrinkage	IS:4031(Part-10)
113	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516

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114	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
115	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Dimensions	IS:4020 (Part 2)
116	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	End immersion Test	IS:4020 (Part 13)
117	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Glue adhesion Test	IS:4020 (Part 15)
118	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Impact Indention	IS 4020 (Part 5)
119	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Knife Test	IS:4020 (Part 14)
120	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Squareness Test	IS:4020 (Part 2)
121	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness (Specific Surface by Blaine's Method)	IS 1727
122	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
123	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness (By Autoclave)	IS 1727
124	MECHANICAL- BUILDINGS MATERIALS	Fly Ash /Micro Silica	Compressive Strength	IS 1727
125	MECHANICAL- BUILDINGS MATERIALS	Fly Ash /Micro Silica	Lime Reactivity (Average Compressive Strength)	IS 1727
126	MECHANICAL- BUILDINGS MATERIALS	Fly Ash /Micro Silica	Particle Retained On 45 Micron Sieve (Wet Sieving)	IS 1727
127	MECHANICAL- BUILDINGS MATERIALS	Fly Ash /Micro Silica	Specific Gravity	IS 1727
128	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete with Admixture (Admixture as per IS: 9103: 1999)	Compressive strength % of control sample	IS: 516
129	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete with Admixture (Admixture as per IS: 9103: 1999)	Slump	IS: 516
130	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion Value	IS 15658
131	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS:15658
132	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension	IS 15658

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133	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS 15658
134	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Split Tensile Strength	IS 15658
135	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Thickness of Wearing Layer	IS 15658
136	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
137	MECHANICAL- BUILDINGS MATERIALS	Tiles (Cement Concrete)	Flatness	IS 1237
138	MECHANICAL- BUILDINGS MATERIALS	Tiles (Cement Concrete)	Perpendicularity	IS 1237
139	MECHANICAL- BUILDINGS MATERIALS	Tiles (Cement Concrete)	Resistance To Wear (Abrasion)	IS:1237
140	MECHANICAL- BUILDINGS MATERIALS	Tiles (Cement Concrete)	Straightness	IS 1237
141	MECHANICAL- BUILDINGS MATERIALS	Tiles (Cement Concrete)	Wet Transverse Strength	IS:1237
142	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Apparent, Relative And Bulk Density	IS:13630(part 2)
143	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Breaking Strength	IS:13630(Part-6)
144	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Modulus Of Rupture	IS:13630: part-6
145	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Scratch hardness (Moh,s Hardness)	IS: 13630(Part-13)
146	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Water Absorption	IS:13630 (Part- 2)
147	MECHANICAL- MECHANICAL PROPERTIES OF METALS	M.S. Wire	Tensile Strength	IS:1608(Part-1)
148	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation	IS:1608(Part-1)
149	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Mass/Meter	IS :1786

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150	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile strength	IS: 1608(Part-1)
151	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress/ 0.2 % Proof stress	IS: 1608(Part-1)
152	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Pre-Stressed Stranded Wire	Breaking load	IS:14268
153	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Pre-Stressed Stranded Wire	Length of Lay	IS:14268
154	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Pre-Stressed Stranded Wire	Mass of Strand	IS:14268
155	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Coupler	Elongation	IS:16172
156	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Coupler	Tensile Strength	IS:16172
157	MECHANICAL- SOIL AND ROCK	Marble /Granite /Natural Building Stone	Compressive Strength	IS:1121(Part-1)
158	MECHANICAL- SOIL AND ROCK	Marble /Granite /Natural Building Stone	Apparent Porosity	IS:1124
159	MECHANICAL- SOIL AND ROCK	Marble /Granite /Natural Building Stone	Mohs Hardness (Scratch Hardness)	IS:13630(Part-13)
160	MECHANICAL- SOIL AND ROCK	Marble /Granite /Natural Building Stone	Resistance to wear	IS:1706
161	MECHANICAL- SOIL AND ROCK	Marble /Granite /Natural Building Stone	Specific Gravity	IS:1124
162	MECHANICAL- SOIL AND ROCK	Marble /Granite /Natural Building Stone	Thickness	IS:1130
163	MECHANICAL- SOIL AND ROCK	Marble /Granite /Natural Building Stone	Transverse Strength	IS:1121(Part-2)
164	MECHANICAL- SOIL AND ROCK	Marble /Granite /Natural Building Stone	Water Absorption	IS:1124
165	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720(Part-5)

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166	MECHANICAL- SOIL AND ROCK	Soil	CBR Test	IS:2720(Part-16)
167	MECHANICAL- SOIL AND ROCK	Soil	Free Swelling Index	IS:2720(Part-40)
168	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet and dry sieve method)	IS:2720(Part-4)
169	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS:2720(Part-5)
170	MECHANICAL- SOIL AND ROCK	Soil	Maximum dry density by Heavy Compaction	IS:2720(Part-8)
171	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density by Light Compaction	IS:2720(Part-7)
172	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content by Heavy Compaction	IS:2720(Part-8)
173	MECHANICAL- SOIL AND ROCK	Soil	Optimum moisture content by Light Compaction	IS:2720(Part-7)
174	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS:2720(Part-3)
175	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure	Carbonation Test	IS-516(Part-5/Sec 3)
176	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure	Crack Depth measurement	IS-516(Part-5/Sec-1)
177	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure	Half Cell Potential difference Test	IS-516-(Part 5/Sec 2)
178	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure	Rebound Hammer Test	IS-516(Part-5/Sec 4)
179	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure	Ultrasonic Pulse Velocity	IS-516(Part-5/Sec-1)