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Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	IS 9103
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	Aggregates	Chloride	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Aggregates	Dissolved Silica	IS 2386 (P-7)
8	CHEMICAL- BUILDING MATERIAL	Aggregates	Organic Impurities	IS 2386 (P-2)
9	CHEMICAL- BUILDING MATERIAL	Aggregates	Reduction in Alkalinity	IS 2386 (P-7)
10	CHEMICAL- BUILDING MATERIAL	Cement	Alumina	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement	Calcium Oxide	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement	Chloride	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement	Insoluble Residue	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement	Iron Oxide	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement	Loss on Ignition	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement	Magnesia	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement	Silica	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement	Sulphide Sulphur	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	Fly Ash	Alumina + Iron Oxide	IS 1727
20	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkalis	IS 1727
21	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss of Ignition	IS 1727
22	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia	IS 1727
23	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica	IS 1727
24	CHEMICAL- BUILDING MATERIAL	Fly Ash	Total Sulphur	IS 1727
25	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	IS 228 (P-1)
26	CHEMICAL- METALS & ALLOYS	Carbon Steel	Chromium	IS 228 (P-6)
27	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	IS 228 (P-2)
28	CHEMICAL- METALS & ALLOYS	Carbon Steel	Nickel	IS 228 (P-5)
29	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorus	IS 228 (P-3)
30	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	IS 228 (P-9)
31	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 228 (P-1)
32	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 228 (P-6)
33	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 228 (P-2)
34	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 228 (P-5)
35	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	IS 228 (P-3)
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Suplhur	IS 228 (P-9)
37	CHEMICAL- ORES & MINERALS	Iron ores	Alumina Al2O3	IS 1493 (P-1)

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38	CHEMICAL- ORES & MINERALS	Iron ores	Iron (Fe)	IS 1493 (P-1)
39	CHEMICAL- ORES & MINERALS	Iron ores	Loss on Ignition	ISO 11536
40	CHEMICAL- ORES & MINERALS	Iron ores	Silica SiO2	IS 1493 (P-1)
41	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Alumina	IS 1760 (P-3)
42	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Calcium Oxide (CaO)	IS 1760 (P-3)
43	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Loss on ignition	IS 1760 (P-3)
44	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Magnesium Oxide (MgO)	IS 1760 (P-3)
45	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Silica	IS 1760 (Part 2)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonical Nitrogen	APHA-4500 NH3C
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	BOD	IS 3025 Part 44
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	COD	APHA 5220B
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	APHA 4500-OB
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Solids	APHA 2540-C
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride	APHA 4500-FD
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexavalent Chromium	APHA 3500-Cr, B
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate	IS 3025(P-34)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil and Grease	APHA 5220-B
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oxygen absorbed in 4 Hours	IS 3025(P-63)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH Value	APHA 4500 H+ B

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57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphorus	APHA 4500, P, D
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Silica	APHA 4500-SiO2C
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Suspended Solids	APHA 2540-D
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	APHA 2540-B
61	CHEMICAL- SOLID FUELS	Coal & Coke	Ash Content	IS 1350 (P-1)
62	CHEMICAL- SOLID FUELS	Coal & Coke	Calorific Value	IS 1350 (P-2)
63	CHEMICAL- SOLID FUELS	Coal & Coke	Fixed Carbon	IS 1350 (P-1)
64	CHEMICAL- SOLID FUELS	Coal & Coke	Moisture Content	IS 1350 (P-1)
65	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile Matter	IS 1350 (P-1)
66	CHEMICAL- WATER	Drinking Water	Acidity	IS 3025(P-22)
67	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025(P-23)
68	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025(P-40)
69	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025(P-32)
70	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 4500-FD
71	CHEMICAL- WATER	Drinking Water	Iron	IS 3025(P-53)
72	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025(P-46)
73	CHEMICAL- WATER	Drinking Water	Nitrate	IS 3025(P-34)
74	CHEMICAL- WATER	Drinking Water	Odour	IS 3025(P-5)
75	CHEMICAL- WATER	Drinking Water	pH	IS 3025(P-11)
76	CHEMICAL- WATER	Drinking Water	Residual Chlorine	IS 3025(P-26)
77	CHEMICAL- WATER	Drinking Water	Suspended Solids	IS 3025(P-17)
78	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025(P-16)
79	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025(P-21)
80	CHEMICAL- WATER	Drinking Water	Total Solids	IS 3025(P-15)
81	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025(P-10)
82	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 3025(P-22)
83	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025(P-32)
84	CHEMICAL- WATER	Water for construction purpose	In-organic Solids	IS 3025(P-18)

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85	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS 3025(P-18)
86	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025(P-11)
87	CHEMICAL- WATER	Water for construction purpose	Sulphate	IS 3025(P-24)
88	CHEMICAL- WATER	Water for construction purpose	Total Alkalinity	IS 3025(P-23)
89	CHEMICAL- WATER	Water for construction purpose	Total Solids	IS 3025(P-15)
90	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Setting Time	IS 8142
91	MECHANICAL- BUILDINGS MATERIALS	Amixtures	Compressive Strength	IS 516
92	MECHANICAL- BUILDINGS MATERIALS	Bituminous Core	Bitumen Content	IRC SP-11
93	MECHANICAL- BUILDINGS MATERIALS	Bituminous Core	Density	MS - 2
94	MECHANICAL- BUILDINGS MATERIALS	Bituminous Core	Grading	MoRTH
95	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495(P-2) / IS 2180
96	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (P-1)/IS 2180
97	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 1077
98	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 1077
99	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 1077
100	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3995 (P-3)/ IS 2180
101	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (P-4)
102	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (P-11)
103	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (P-5)
104	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness	IS 4031 (P-2)
105	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (P-5)

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106	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatlier	IS 4031 (P-3)
107	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Cube	Compressive Strength	IS 516
108	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fine Value	IS 2386(P-4)
109	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion	IS 2386 (P-4)
110	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (P-3)
111	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (P-4)
112	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (P-1)
113	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (P-1)
114	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (P-4)
115	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Moisture Content	IS 2386 (P-3)
116	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (P-1)
117	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (P-3)
118	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material	IS 2386 (P-2)
119	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386
120	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump	IS 1199
121	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (P-3)
122	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Fineness Modulus	IS 2386 (P-1)
123	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Moisture Content	IS 2386 (P-3)
124	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (P-1)

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125	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (P-3)
126	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Material	IS 2386 (P-2)
127	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (P-3)
128	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
129	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness	IS 1727
130	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle retained on 45 micron sieve	IS 1727
131	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
132	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Compressive Strength	IS 516(P-4)
133	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Water Absorption	IS 5758
134	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion	IS 15658
135	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
136	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS 15658
137	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
138	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement and Structural Steel	Bend Test	IS 1599
139	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement and Structural Steel	Elongation	IS 1608(P-1)
140	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement and Structural Steel	Hardness (HRB)	IS 1586(P-1)
141	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement and Structural Steel	Hardness (HRC)	IS 1586(P-1)

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142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement and Structural Steel	Mass per Meter	IS 1786
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement and Structural Steel	Re-Bend Test	IS 1786
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement and Structural Steel	Tensile Strength	IS 1608(P-1)
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement and Structural Steel	Yield Stress	IS 1608(P-1)
146	MECHANICAL- SOIL AND ROCK	Clays & Soil	Grain Size Analysis	IS 2720(P-4)
147	MECHANICAL- SOIL AND ROCK	Clays & Soil	Liquid Limit	IS 2720(P-5)
148	MECHANICAL- SOIL AND ROCK	Clays & Soil	Max Dry Density (Heavy Compaction)	IS 2720(P-8)
149	MECHANICAL- SOIL AND ROCK	Clays & Soil	Max Dry Density (Light Compaction)	IS 2720(P-7)
150	MECHANICAL- SOIL AND ROCK	Clays & Soil	Optimum Moisture Content (Heavy Compaction)	IS 2720(P-8)
151	MECHANICAL- SOIL AND ROCK	Clays & Soil	Optimum Moisture Content (Light Compaction)	IS 2720(P-7)
152	MECHANICAL- SOIL AND ROCK	Clays & Soil	Plastic Limit	IS 2720(P-5)
153	MECHANICAL- SOIL AND ROCK	Clays & Soil	Plasticity Index	IS 2720(P-5)
154	MECHANICAL- SOIL AND ROCK	Clays & Soils	California Bearing Ratio (CBR)	IS 2720(P-16)
155	MECHANICAL- SOIL AND ROCK	Natural Stone	Hardness (Mohr`s)	IS 13630(P-13)
156	MECHANICAL- SOIL AND ROCK	Natural Stone	Moisture Content	IS 13030
157	MECHANICAL- SOIL AND ROCK	Natural Stone	Specific Gravity	IS 1122
158	MECHANICAL- SOIL AND ROCK	Natural Stone	Transverse Strength	IS 1121(P-2)

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159	MECHANICAL- SOIL AND ROCK	Natural Stone	Water Absorption	IS 1124