National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DELTA TESTING AND RESEARCH LABORATORIES, PLOT NO- 91,SUDARSHAN VIHAR COMPLEX, PATNA, BIHAR, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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	Bentonite	pH	IS:6186
2	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Al203	IS:4032
3	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	CaO	IS: 4032 clause 4.7.2 (EDTA method)
4	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Fe2O3	IS: 4032 clause 4.5.2 (EDTA method)
5	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	SiO2	IS 4032
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Portland Slag Cement)	Chloride Content	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Portland Slag Cement)	Insoluble Residue	IS: 4032
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Portland Slag Cement)	Loss on Ignition	IS: 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Portland Slag Cement)	MgO	IS: 4032 clause 4.8.1 Gravemetric method
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Portland Slag Cement)	Potassium Oxide (K2O)	IS:4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Portland Slag Cement)	SO3	IS: 4032
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Portland Slag Cement)	Sodium Oxide (Na2O)	IS:4032
13	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate / Fine Aggregate	Alkali Aggregate Reactivity 1. Reduction in Alkalinity	IS: 2386(P-VII)
14	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate / Fine Aggregate	Alkali Aggregate Reactivity 1. Total Dissolved Silica	IS: 2386(P-VII)
15	CHEMICAL- BUILDING MATERIAL	Concrete Admixture (Admixture, Accelerator, Retarder)	Ash Content	IS 9103
16	CHEMICAL- BUILDING MATERIAL	Concrete Admixture (Admixture, Accelerator, Retarder)	Chloride ion content	IS 6925
17	CHEMICAL- BUILDING MATERIAL	Concrete Admixture (Admixture, Accelerator, Retarder)	Dry Material Content	IS: 9103
18	CHEMICAL- BUILDING MATERIAL	Concrete Admixture (Admixture, Accelerator, Retarder)	pH	IS: 9103

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19	CHEMICAL- BUILDING MATERIAL	Concrete Admixture (Admixture, Accelerator, Retarder)	Relative Density	IS:9103
20	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impurities Test	IS:2386(Pt-II)
21	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Chloride	BS:1881(Part-124) & BS:812(Part-117)
22	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Potassium Oxide	BS:1881(Part-124)
23	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Sodium Oxide	BS:1881(Part-124)
24	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Sulphate	BS:1881(Part-124)
25	CHEMICAL- BUILDING MATERIAL	Micro Silica	Alkalies as Na2O	IS:4032
26	CHEMICAL- BUILDING MATERIAL	Micro Silica	Loss on Ignition	IS: 1727
27	CHEMICAL- BUILDING MATERIAL	Micro Silica	Moisture	IS:15388
28	CHEMICAL- BUILDING MATERIAL	Micro Silica	SiO2	IS:1727
29	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Al2O3	IS:1727
30	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	CaO	IS:1727
31	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Fe2O3	IS:1727
32	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Loss on Ignition	IS :1727
33	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	MgO	IS: 1727 clause 5.9 Gravemetric method
34	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	SiO2	IS: 1727
35	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	So3	IS:1727
36	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Total Chloride	IS:4032

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37	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Ferrous & Non Ferrous	Anodic Coating	IS:5523
38	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Ferrous & Non- Ferrous	Mass of Zinc Coating	IS:6745
39	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Ferrous & Non- Ferrous	Powder Coating (Micrometer Method)	IS:101 (P-III/ Sec-2)
40	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Ferrous & Non- Ferrous	Thickness of Zinc Coating	IS:1573
41	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Ferrous & Non- Ferrous	Uniformity of Zinc Coating	IS:2633
42	CHEMICAL- METALS & ALLOYS	Ferrous Low Alloys Steel, Plain carbon Steel	Carbon	IS:228 (P-I)
43	CHEMICAL- METALS & ALLOYS	Ferrous Low Alloys Steel, Plain carbon Steel	Chromium	IS:228(P-VI)
44	CHEMICAL- METALS & ALLOYS	Ferrous Low Alloys Steel, Plain carbon Steel	Manganese	IS:228 (P-II)
45	CHEMICAL- METALS & ALLOYS	Ferrous Low Alloys Steel, Plain carbon Steel	Nickel	IS:228 (P-V)
46	CHEMICAL- METALS & ALLOYS	Ferrous Low Alloys Steel, Plain carbon Steel	Phosphorus	IS:228(P-III)
47	CHEMICAL- METALS & ALLOYS	Ferrous Low Alloys Steel, Plain carbon Steel	Silicon	IS:228 (P-VIII)
48	CHEMICAL- METALS & ALLOYS	Ferrous Low Alloys Steel, Plain carbon Steel	Sulphur	IS:228(P-IX)
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS:228 (P-I)
50	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS:228(P-VI)
51	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS:228(P-II)
52	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS:228(P-V)
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS:228(P-III)

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54	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS:228(P-VIII)
55	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS:228(P-IX)
56	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate	IS:2720 (Pt-XXIII)
57	CHEMICAL- SOIL AND ROCK	Soil	pH	IS:2720 (Pt-XXVI)
58	CHEMICAL- SOIL AND ROCK	Soil	Sulphate (as SO4)	IS:2720 (Pt-XXVII)
59	CHEMICAL- SOIL AND ROCK	Soil	Total Organic Matter	IS:2720 (Pt-XXII)
60	CHEMICAL- WATER	Construction Water	pH	IS: 3025 (Pt-XI)
61	CHEMICAL- WATER	Drinking Water	Calcium (Ca)	IS : 3025 (Pt-XL)
62	CHEMICAL- WATER	Drinking Water	Chloride	IS:3025 (Pt-XXXII)
63	CHEMICAL- WATER	Drinking Water	Colour Hazan Units	IS: 3025 (Pt-IV)
64	CHEMICAL- WATER	Drinking Water	Iron (Fe)	IS:3025 (Pt-LIII)
65	CHEMICAL- WATER	Drinking Water	Magnesium (Mg)	IS :3025 (Pt-XLVI)
66	CHEMICAL- WATER	Drinking Water	Odour	IS :3025 (Pt-V)
67	CHEMICAL- WATER	Drinking Water	pH	IS :3025 (Pt-XI)
68	CHEMICAL- WATER	Drinking Water	Potassium (as K)	IS :3025 (Pt-XLV)
69	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS :3025(Pt-XXVI)
70	CHEMICAL- WATER	Drinking Water	Sodium (as Na)	IS : 3025 (Pt-XLV)
71	CHEMICAL- WATER	Drinking Water	Sulphate (as So4)	IS: 3025 (Pt-XXIV)
72	CHEMICAL- WATER	Drinking Water	Taste	IS :3025 (Pt-VII & VIII)
73	CHEMICAL- WATER	Drinking Water	Total alkalinity as Calcium Carbonate	IS 3025 (Pt-XXIII)
74	CHEMICAL- WATER	Drinking Water	Total Dissolved Solid	IS :3025(Pt-XVI)
75	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS :3025 (Pt-XXI)
76	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Pt-X)
77	CHEMICAL- WATER	Water for construction purpose	Acidity	IS: 3025(Pt-XXII)
78	CHEMICAL- WATER	Water for construction purpose	Alkalinity	IS: 3025 (Pt- XXIII)
79	CHEMICAL- WATER	Water for construction purpose	Chloride	IS: 3025(Pt-XXXII)

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80	CHEMICAL- WATER	Water for construction purpose	Inorganic Matter	IS : 3025 (Pt-XVIII)
81	CHEMICAL- WATER	Water for construction purpose	Organic Matter	IS: 3025 (Pt-XVIII)
82	CHEMICAL- WATER	Water for construction purpose	Sulphate	IS: 3025 (Pt-XXIV)
83	CHEMICAL- WATER	Water for construction purpose	Total Dissolved Solid	IS : 3025 (Pt-XVI)
84	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solid	IS: 3025 (Pt-XVII)
85	MECHANICAL- BUILDINGS MATERIALS	Bitumen / Modified Bitumen Emulsion/primer PMB CRMB NRMB	Residue on 600 micron sieve	IS:8887:
86	MECHANICAL- BUILDINGS MATERIALS	Bitumen / Modified Bitumen Emulsion/primer PMB CRMB NRMB	Softening Point	IS:1205
87	MECHANICAL- BUILDINGS MATERIALS	Bitumen / Modified Bitumen Emulsion/primer PMB CRMB NRMB	Solubility in trichloroethylene	IS:1216
88	MECHANICAL- BUILDINGS MATERIALS	Bitumen / Modified Bitumen Emulsion/primer PMB CRMB NRMB	Specific Gravity	IS:1202
89	MECHANICAL- BUILDINGS MATERIALS	Bitumen / Modified Bitumen Emulsion/primer PMB CRMB NRMB	Storage stability test after 24 Hours	IS:8887
90	MECHANICAL- BUILDINGS MATERIALS	Bitumen / Modified Bitumen Emulsion/primer PMB CRMB NRMB	Ductility	IS:1208
91	MECHANICAL- BUILDINGS MATERIALS	Bitumen / Modified Bitumen Emulsion/primer PMB CRMB NRMB	Flash point (open cup)	IS:1448 (Pt-68)
92	MECHANICAL- BUILDINGS MATERIALS	Bitumen / Modified Bitumen Emulsion/primer PMB CRMB NRMB	Residue on 600 micron sieve	IS:8887:
93	MECHANICAL- BUILDINGS MATERIALS	Bitumen / Modified Bitumen Emulsion/primer PMB CRMB NRMB	Penetration at 25°C ,100gm, 5 sec., 0.1mm	IS 1203
94	MECHANICAL- BUILDINGS MATERIALS	Bitumen mix material	Binder / Bitumen Content	IRC SP11
95	MECHANICAL- BUILDINGS MATERIALS	Bitumen mix material	Density	ASTM D 2726-17
96	MECHANICAL- BUILDINGS MATERIALS	Bitumen mix material	Marshal Stability	ASTM D 6927
97	MECHANICAL- BUILDINGS MATERIALS	Bitumen mix material	Stripping Value	IS:6241
98	MECHANICAL- BUILDINGS MATERIALS	Blocks (Hollow & Solid)	Block Density	IS:2185 (Pt-I)
99	MECHANICAL- BUILDINGS MATERIALS	Blocks (Hollow & Solid)	Compressive Strength	IS: 2185 (Part-I)
100	MECHANICAL- BUILDINGS MATERIALS	Blocks (Hollow & Solid)	Water Absorption	IS: 2185 (Part-I)

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101	MECHANICAL- BUILDINGS MATERIALS	Blocks (Hollow & Solids)	Dimension (Thickness)	IS:2185 (Part-I)
102	MECHANICAL- BUILDINGS MATERIALS	Blocks (Hollow & Solids)	Dimension (Width)	IS:2185 (Part-I)
103	MECHANICAL- BUILDINGS MATERIALS	Blocks (Hollow & Solids)	Drying Shrinkage	IS:2185 (Part-I)
104	MECHANICAL- BUILDINGS MATERIALS	Blocks (Hollow&Solid)	Dimension (Length)	IS:2185 (Part-I)
105	MECHANICAL- BUILDINGS MATERIALS	Brick 1. Burnt Clay Brick 2. Fly Ash Brick 3. Fly Ash Lime Brick 4. Sewer Bricks	Efflorescence	IS:3495 (Pt-III)
106	MECHANICAL- BUILDINGS MATERIALS	Brick 1. Burnt Clay Brick 2. Fly Ash Brick 3. Fly Ash Lime Brick 4. Sewer Bricks	Water Absorption	IS:3495(Pt-II)
107	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Compressive strength	IS:3495(Pt-I)
108	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Height)	IS 1077
109	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Length)	IS 1077
110	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Width)	IS 1077
111	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Brick	Dimension (a) Height	13757
112	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Brick	Dimension (a) Length	IS 13757
113	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Brick	Compressive Strength	IS 3495 (Part -1)
114	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Brick	Dimension (a) Width	IS 13757
115	MECHANICAL- BUILDINGS MATERIALS	Cement 1. OPC 2. PSC 3. PPC	Compressive Strength (a) 24 ± ½ Hrs (b) 72 ± 1Hrs (c) 168 ± 2Hrs (d) 678±4Hrs	IS:4031(Pt-VI)
116	MECHANICAL- BUILDINGS MATERIALS	Cement 1. OPC 2. PSC 3. PPC	Consistency	IS:4031(Pt-IV)
117	MECHANICAL- BUILDINGS MATERIALS	Cement 1. OPC 2. PSC 3. PPC	Density	IS:4031(Pt-XI)
118	MECHANICAL- BUILDINGS MATERIALS	Cement 1. OPC 2. PSC 3. PPC	Setting time (a) Initial	IS:4031 (Pt-V)

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119	MECHANICAL- BUILDINGS MATERIALS	Cement 1. OPC 2. PSC 3. PPC	Setting Time a) Final	IS:4031 (Pt-V)
120	MECHANICAL- BUILDINGS MATERIALS	Cement 1. OPC 2. PSC 3. PPC	Fineness by Blaine Air permeability Method	IS:4031 (Pt-II)
121	MECHANICAL- BUILDINGS MATERIALS	Cement 1. OPC 2. PSC 3. PPC	Soundness by Lechatlier expansion Method	IS:4031(Pt-III)
122	MECHANICAL- BUILDINGS MATERIALS	Cement 1. OPC 2. PSC 3. PPC	Soundness by Autoclave expansion method	IS:4031 (Pt-III)
123	MECHANICAL- BUILDINGS MATERIALS	Cement 1. PPC	Drying shrinkage (For PPC/OPC and PSC)	IS:4031 (Pt-X)
124	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension Thickness	IS:13801
125	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension Length	IS:1237
126	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension Thickness	IS:1237
127	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension Width	IS:1237
128	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension Length	IS:13801
129	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension Width	IS:13801
130	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Squareness & Plainness and Straightness	IS:1237
131	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Squareness & Plainness and Straightness	IS:13801
132	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Thickness of waring layer	IS:1237
133	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Thickness of wearing layer	IS:13801
134	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Water Absorption	IS:1237
135	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Water Absorption	IS:13801
136	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Wet Transverse Strength	IS:1237
137	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Wet Transverse Strength	IS:13801

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138	MECHANICAL- BUILDINGS MATERIALS	Ceramic products 1.Glazed Tile 2.Unglazed Tile 3.Vitrified Tile 4. AR Tile	Thermal shock	IS 13630 (Part-V)
139	MECHANICAL- BUILDINGS MATERIALS	Ceramic products 1.Glazed Tile 2.Unglazed Tile 3.Vitrified Tile 4. AR Tile	Dimension & Surface quality Length width Thickness	IS 13630(Part-I)
140	MECHANICAL- BUILDINGS MATERIALS	Ceramic products 1.Glazed Tile 2.Unglazed Tile 3.Vitrified Tile 4. AR Tiles	Breaking Load	IS 13630 (Part-VI)
141	MECHANICAL- BUILDINGS MATERIALS	Ceramic products 1.Glazed Tile 2.Unglazed Tile 3.Vitrified Tile 4. AR Tiles	Modulus of rupture	IS 13630 (Part-VI)
142	MECHANICAL- BUILDINGS MATERIALS	Ceramic products 1.Glazed Tile 2.Unglazed Tile 3.Vitrified Tile 4. AR Tiles	Resistance to acid / alkali	IS 13630 (Part-VIII)
143	MECHANICAL- BUILDINGS MATERIALS	Ceramic products 1.Glazed Tile 2.Unglazed Tile 3.Vitrified Tile 4. AR Tiles	Resistance to house Hold Chemical	IS 13630 (Part-VIII)
144	MECHANICAL- BUILDINGS MATERIALS	Ceramic products 1.Glazed Tile 2.Unglazed Tile 3.Vitrified Tile 4. AR Tiles	Resistance to Staining	IS 13630 (Part-VIII)
145	MECHANICAL- BUILDINGS MATERIALS	Ceramic products 1.Glazed Tile 2.Unglazed Tile 3.Vitrified Tile 4. AR Tiles	Scratch Hardness	IS 13630(Part-XIII)
146	MECHANICAL- BUILDINGS MATERIALS	Ceramic products 1.Glazed Tile 2.Unglazed Tile 3.Vitrified Tile 4. AR Tiles	Water Absorption	IS 13630 (Part-II)
147	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 Percent Fine Value	IS:2386(Pt-IV)
148	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	75 micron Passing	IS 2386 (Part-I)
149	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS:2386 (PtIII)
150	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay and Lumps	IS 2386 (Part-I)
151	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Coal and Lignite	IS 2386 (Part-I)
152	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS:2386 (Pt-IV)
153	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS:2386 (Pt-I)
154	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS:2386(Pt-I)
155	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS:2386 (Pt-IV)
156	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS:2386 (Pt-IV)

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157	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (IS Sieve Size, mm :-125,90, 80, 63, 40, 20, 16, 12.5, 10.0, 4.75, 2.36)	IS:2386(Pt-I)
158	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS:2386 (Pt-V)
159	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 (Pt-III)
160	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS:2386(Pt-III)
161	MECHANICAL- BUILDINGS MATERIALS	Concrete	ACT for Compressive Strength	IS 9013
162	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixture	Air Content	IS:1199 (Part-4)
163	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixture	Bleeding Test	IS:9103
164	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixture	Compressive Strength	IS 516 (Part-I) Sec-1
165	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixture	Flexural Strength	IS 516 (Part-I) Sec-1
166	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixture	Setting Time (Initial and Final Setting Time)	IS:1199 (Pt-VII)
167	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	75 micron Passing	IS 2386 (Part-I)
168	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS:2386(Pt-III)
169	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay and Lumps	IS:2386 (Part-I)
170	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Coal and Lignite	IS 2386 (Part-I)
171	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (IS Sieve Size, mm :- 10, 4.75, 2.36, 1.18, 0.600, 0.300, 0.150)	IS:2386 (Pt-I)
172	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS:2386 (Pt-V)
173	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS:2386(Pt-III)
174	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS:2386(Pt-III)

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175	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Dimensions Length	IS 2202 (Part-I)
176	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Dimensions Thickness	IS 2202 (Part-I)
177	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Dimensions Width	IS 2202 (Part-I)
178	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	End Immersion Test	IS 2202 (Part-I)
179	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Glue adhesion Test	IS 2202 (Part-I)
180	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Knife Test	IS 2202(Part-I)
181	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive strength	IS:1727
182	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blain Air Permeability Method	IS:1727
183	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS:1727
184	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Residue 45 micron Sieve (Wet Sieving)	IS:1727
185	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave expansion Method	IS:1727
186	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS:1727
187	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	IS 516 (Part-I) Sec-1
188	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	RCPT	ASTM C-1202
189	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Split Tensile Strength	IS 516 (Part-I) Sec-1
190	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Water Permeability	IS 516 (Part-II) Sec-1
191	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Cube, Core)	Compressive Strength	IS 516 (Part-I) Sec-1
192	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Moisture Movement	IS 2185 (Part-I)
193	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Compressive Strength	IS:1727

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194	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Percent Retain on 45 micron Sieve	IS:1727
195	MECHANICAL- BUILDINGS MATERIALS	N/mm2	Compressive Strength	IS 3495 (part-1)
196	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Moisture Content	IS 13030
197	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Apparent Specific Gravity	IS:1124
198	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Compressive Strength	IS 1121 (Part-I)
199	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Dry Density	IS:13030
200	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Durability	IS:1126
201	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Porosity (True and Apparent)	IS:1124:1974
202	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Scratch Hardness	IS 13630 (Part-XIII)
203	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Specific Gravity	IS:1122
204	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Transverse Strength	IS 1121(Part-III)
205	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Water Absorption	IS:1124
206	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension Thickness	IS:15658
207	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension Width	IS:15658
208	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS:15658
209	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension Length	IS:15658
210	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Thickness of Wearing Layer	IS:15658
211	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS:15658
212	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash- Lime Brick	Dimension (a) Length	IS 12894

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213	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash- Lime Brick	Dimension (a) Width	IS 12894
214	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash- Lime Brick	Dimension (a) Height	IS 12894
215	MECHANICAL- BUILDINGS MATERIALS	Sewer Brick	Compressive Strength	IS 3495 (part)
216	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension (a) Height	IS 4885
217	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension (a) Length	IS 4885
218	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension (a) Width	IS 4885
219	MECHANICAL- BUILDINGS MATERIALS	Teak Wood	Density	IS 1708 (Part-II)
220	MECHANICAL- BUILDINGS MATERIALS	Timber	Moisture Content	IS 1708 (Part-I)
221	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Compressive Strength, N/mm2 168 ± 2Hrs	IS 4031(Part-VI)
222	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Compressive Strength, N/mm2 72 ± 1Hrs	IS 4031(Part-VI)
223	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Final Setting Time	IS 4031(Part-V)
224	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Initial Setting Time	IS 4031 (Part-V)
225	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non- Ferrous Metals and Products (Welded Sample)	Bend Test (Root/ Face/Side)	IS 3600 (Part-V)
226	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non- Ferrous Metals and Products (Welded Sample)	Transverse Tensile Strength	ASME Sec- IX
227	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non- Ferrous Metals and Products (Welded Sample)	Transverse tensile test	IS 3600 (Part III)
228	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non- Ferrous Products (Reinforced Steel Bars, GI Pipe, Structural Steel,Glavinized Steel, Steel Tube, MS pipe, Fastner (Bolts, Screw and Studs), Hollow Steel Section, CRC Sheet, GI Barbed Wires, Statinless Steel Plate, Sheet, Strip)	Bend	IS:1599

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229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non- Ferrous Products (Reinforced Steel Bars, GI Pipe, Structural Steel,Glavinized Steel, Steel Tube, MS pipe, Fastner (Bolts, Screw and Studs), Hollow Steel Section, CRC Sheet, GI Barbed Wires, Statinless Steel Plate, Sheet, Strip)	Dimension Test	IS:1730
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non- Ferrous Products (Reinforced Steel Bars, GI Pipe, Structural Steel,Glavinized Steel, Steel Tube, MS pipe, Fastner (Bolts, Screw and Studs), Hollow Steel Section, CRC Sheet, GI Barbed Wires, Statinless Steel Plate, Sheet, Strip)	Elongation	IS 1608 (Part-I)
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non- Ferrous Products (Reinforced Steel Bars, GI Pipe, Structural Steel,Glavinized Steel, Steel Tube, MS pipe, Fastner (Bolts, Screw and Studs), Hollow Steel Section, CRC Sheet, GI Barbed Wires, Statinless Steel Plate, Sheet, Strip)	Mass	IS:1732
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non- Ferrous Products (Reinforced Steel Bars, GI Pipe, Structural Steel,Glavinized Steel, Steel Tube, MS pipe, Fastner (Bolts, Screw and Studs), Hollow Steel Section, CRC Sheet, GI Barbed Wires, Statinless Steel Plate, Sheet, Strip)	Tensile Strength	IS 1608 (Part-I)
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non- Ferrous Products (Reinforced Steel Bars, GI Pipe, Structural Steel,Glavinized Steel, Steel Tube, MS pipe, Fastner (Bolts, Screw and Studs), Hollow Steel Section, CRC Sheet, GI Barbed Wires, Statinless Steel Plate, Sheet, Strip)	Yield Stress by off set method (software)	IS 1608 (Part-I)
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals & Products (Welded Sample)	Transverse Tensile Strength	IS 3600 (Part-III)
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Bend	IS:1599
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven-Ply strand wire for Prestressed concrete	0.2% Proof Load	IS 1608 (Part-I)
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven-Ply strand wire for Prestressed concrete	Breaking Load	IS 1608 (Part-I)
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven-Ply strand wire for Prestressed concrete	Breaking Load	IS:14268
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven-Ply strand wire for Prestressed concrete	Elongation at break	IS:14268

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240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven-Ply strand wire for Prestressed concrete	Lay Length	IS:14268
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven-Ply strand wire for Prestressed concrete	Mass	IS:14268
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing coupler	Slip Test	IS:16172
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing coupler	Tensile/ Breaking Load	IS 1608 (Part-I)
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel pipes/tubes	Flattening Test	IS:2328
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar (Reinforcement Steel)	Elongation	IS1608 (Part-I)
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar (Reinforcement Steel)	Mass	IS:1786
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar (Reinforcement Steel)	Re Bend	IS:1786
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar (Reinforcement steel)	Tensile Strength N/mm2	IS 1608 (Part-I)
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar (Reinforcement steel)	Total Elongation at max force	IS:1608 & IS:16172
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar (Reinforcement steel)	Yield Stress by off set method (software)	IS 1608 (Part-I)
251	MECHANICAL- SOIL AND ROCK	Soil	CBR Value (Lab)	IS 2720 (Part-XVI)
252	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test Cohesion intercept C Value	IS 2720 (Part-XIII)
253	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test Internal friction phi value	IS 2720 (Part-XIII)
254	MECHANICAL- SOIL AND ROCK	Soil	Grain Size analysis 4.75mm, 2.0mm, 0.425mm & 0.075mm	IS 2720 (Part-IV)

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255	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-V)
256	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-V)
257	MECHANICAL- SOIL AND ROCK	Soil	Proctor test (Heavy Compaction) 1. MDD	IS 2720 (Part-VIII)
258	MECHANICAL- SOIL AND ROCK	Soil	Proctor test (Heavy Compaction) 1. OMC	IS 2720 (Part-VIII)
259	MECHANICAL- SOIL AND ROCK	Soil	Proctor test (Light Compaction) 1. MDD	IS 2720 (Part-VII)
260	MECHANICAL- SOIL AND ROCK	Soil	Proctor test (Light Compaction) 1. OMC	IS 2720 (Part-VII)
261	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part-II)
262	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM/WBM/Blankeing Material	CBR Value (Lab)	IS 2720 (Part-XVI)
263	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM/WBM/Blanketing Material	Coefficient of Curvature	IS:1498
264	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM/WBM/Blanketing Material	Coefficient of Uniformity	IS:1498
265	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM/WBM/Blanketing Material	Liquid Limit	IS 2720 (Part-V)
266	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM/WBM/Blanketing Material	Plastic Limit	IS 2720 (Part-V)
267	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM/WBM/Blanketing Material	Proctor Test (Heavy Compaction) (a) M.D.D.	IS 2720 (Part-VIII)
268	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM/WBM/Blanketing Material	Proctor Test (Heavy Compaction) (a) O.M.C.	IS 2720 (Part-VIII)
269	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM/WBM/Blanketing Material	Proctor Test (Light Compaction) (a) O.M.C.	IS 2720 (Part-VII)
270	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM/WBM/Blanketing Material	Proctor Test (Light Compaction) (b) M.D.D.	IS 2720 (Part-VII)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Density (By Core Cutter Method)	IS 2720 (Part-XXIX)
2	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM/WBM/Blanketing Material	Density by Sand replacement Method	IS 2720 (Part-XXVIII)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer	IS 516 (Part-5/Sec-4)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic Pulse Velocity	IS 516 (Part-5/ Sec-1)