



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	SHREE BALAJI TEST HOUSE PVT.LTD.(TESTING DIVISION), FCA- 560, CHAWLA COLONY, BALLABGARH, FARIDABAD, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6681	Page No	1 of 32
Validity	06/02/2020 to 05/02/2022	Last Amended on	08/07/2020

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LOCATION 1-FCA- 560, CHAWLA COLONY, BALLABGARH, FARIDABAD, HARYANA, INDIA Permanent Facility				
1	CHEMICAL-ATMOSPHERIC POLLUTION	AMBIENT AIR	Ammonia(NH3)	SBTHPL/SOP/A-01
2	CHEMICAL-ATMOSPHERIC POLLUTION	AMBIENT AIR	Oxides of Nitrogen(NO2)	IS:5182 (Part-6)
3	CHEMICAL-ATMOSPHERIC POLLUTION	AMBIENT AIR	Particulate Matter PM10	IS:5182 (Part-23)
4	CHEMICAL-ATMOSPHERIC POLLUTION	AMBIENT AIR	Particulate Matter PM2.5	SBTHPL/SOP /A-03
5	CHEMICAL-ATMOSPHERIC POLLUTION	AMBIENT AIR	Sulphur Dioxide(SO2)	IS:5182 (Part-2)
6	CHEMICAL-ATMOSPHERIC POLLUTION	AMBIENT NOISE	Ambient Noise (Leq dB (A), L max,L min, L-10, L-90)	IS 1989 and ISO 1996 (Part 2)
7	CHEMICAL- BUILDING MATERIAL	Admixture	Ash content	IS: 9103
8	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride ion content	IS: 6925
9	CHEMICAL- BUILDING MATERIAL	Admixture	Dry material content	IS: 9103
10	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS: 9103



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11	CHEMICAL- BUILDING MATERIAL	Admixture	Relative density	IS: 9103
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Aluminium as Al ₂ O ₃	IS 4032 cl. 4.6.1 (Gravimetric mtd)
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Calcium as CaO	IS 4032 cl. 4.7.2 (EDTA mtd)
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Iron as Fe ₂ O ₃	IS 4032 cl. 4.5.2 (EDTA method)
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Loss on Ignition	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Magnesia as MgO	IS 4032 cl. 4.8.2 (EDTA mtd)
17	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Silica as SiO ₂	IS: 4032
18	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Sulphide Sulphur(S)	IS: 4032
19	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Sulphuric anhydride as SO ₃	IS: 4032
20	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Magnanese oxide MnO	IS:4032



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21	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Chloride	IS: 4032
22	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)/GGB S	Insoluble Residue	IS: 4032
23	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chlorides as Cl	IS:4032
24	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphate as SO ₃	IS:1727
25	CHEMICAL- BUILDING MATERIAL	Rock stone, Coarse & Fine aggregate	Calcium Carbonate	BS 1377 (Part 3)
26	CHEMICAL- BUILDING MATERIAL	Rock stone, Coarse & Fine aggregate	Soluble Chloride as Cl	BS 1377 (Part 3)
27	CHEMICAL- BUILDING MATERIAL	Rock stone, Coarse & Fine aggregate	Sulphate as SO ₃ (Acid Extract)	BS 1377 (Part 3) Gravimetric
28	CHEMICAL- BUILDING MATERIAL	Thermoplastic Road Marking Material	CaCO ₃ & Inert Fillers	ASTM D 4797
29	CHEMICAL- BUILDING MATERIAL	Thermoplastic Road Marking Material	Titanium Dioxide (TiO ₂)	ASTM D 4797
30	CHEMICAL- METALS & ALLOYS	Aluminium Sheets	Anodized Thickness	Clause 2.3 of IS 5523
31	CHEMICAL- METALS & ALLOYS	Reinforcement steel bar / MCB / Ferrous Materials & alloys products Structural Steel	Carbon (C)	IS: 228(Part-1)



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32	CHEMICAL- METALS & ALLOYS	Reinforcement steel bar / MBCB / Ferrous Materials & alloys products Structural Steel	Galvanization	Clause 5 of IS : 6745
33	CHEMICAL- METALS & ALLOYS	Reinforcement steel bar / MBCB / Ferrous Materials & alloys products Structural Steel	Phosphorous (P)	IS: 228(Part-3)
34	CHEMICAL- METALS & ALLOYS	Reinforcement steel bar / MBCB / Ferrous Materials & alloys products Structural Steel	Sulphur (S)	IS: 228(Part- 9)
35	CHEMICAL- SOIL AND ROCK	Clays, Soil	Calcium Carbonate	IS: 2720 (Part 23)
36	CHEMICAL- SOIL AND ROCK	Clays, Soil	Chloride	IS: 6825
37	CHEMICAL- SOIL AND ROCK	Clays, Soil	Nitrogen(N)	IS 14684
38	CHEMICAL- SOIL AND ROCK	Clays, Soil	Organic Matter	IS: 2720 (Part- 22)
39	CHEMICAL- SOIL AND ROCK	Clays, Soil	pH	IS: 2720 (Part 26)
40	CHEMICAL- SOIL AND ROCK	Clays, Soil	Phosphorous(P ₂ O ₅)	IS 10158 / USEPA 6010 B
41	CHEMICAL- SOIL AND ROCK	Clays, Soil	Potassium(K ₂ O)	USEPA 6010 B, EPA Method 3050 B



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42	CHEMICAL- SOIL AND ROCK	Clays, Soil	Soluble Solids	IS: 2720 (Part- 21)
43	CHEMICAL- SOIL AND ROCK	Clays, Soil	Soluble Chlorides as Cl	IS 2720 (Part 27) / BS:1377 (Part-3)
44	CHEMICAL- SOIL AND ROCK	Clays, Soil	Soluble Sulphate as SO ₃	IS 2720 (Part 27) / BS:1377 (Part-3)
45	CHEMICAL- SOIL AND ROCK	Clays/Soil	Organic Carbon	IS: 2720 (Part 22)
46	CHEMICAL- WATER	Drinking Water	Chloride	IS:3025 (Part-32)
47	CHEMICAL- WATER	Drinking Water	Coliforms	IS:1622
48	CHEMICAL- WATER	Drinking Water	Color	IS:3025 (Part-4)
49	CHEMICAL- WATER	Drinking Water	Color,Hazen Units	IS:3025(Part- 4)
50	CHEMICAL- WATER	Drinking Water	E.Coli / Escherichia coli	IS:1622
51	CHEMICAL- WATER	Drinking Water	Iron	IS:3025 (Part-53)
52	CHEMICAL- WATER	Drinking Water	Iron	IS:3025(Part-53)
53	CHEMICAL- WATER	Drinking Water	Odour	IS:3025 (Part-5)
54	CHEMICAL- WATER	Drinking Water	pH	IS:3025 (Part-11)
55	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS:3025 (Part-26)
56	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS:3025(Part-26)
57	CHEMICAL- WATER	Drinking Water	Sulphate	IS:3025 (Part-24)
58	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS:3025 (Part-23)
59	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS:3025(Part-23)
60	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS:3025 (Part-16)
61	CHEMICAL- WATER	Drinking Water	Total Hardness	IS:3025 (Part-21)
62	CHEMICAL- WATER	Drinking Water	Turbidity	IS:3025 (Part-10)



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63	CHEMICAL- WATER	Drinking Water	Turbidity	IS:3025(Part-10)
64	CHEMICAL- WATER	Water (for construction purpose)	Acidity (ml of 0.02 'N' NaOH used to neutralize the 100 ml of the water sample)	IS:3025 (Part-23)
65	CHEMICAL- WATER	Water (for construction purpose)	Alkalinity (ml of 0.02 'N' H ₂ SO ₄ used to neutralize the 100 ml of the water sample)	IS:3025 (Part-22)
66	CHEMICAL- WATER	Water (for construction purpose)	Chloride	IS:3025 (Part-32)
67	CHEMICAL- WATER	Water (for construction purpose)	Inorganic Solids	IS:3025 (Part-16)
68	CHEMICAL- WATER	Water (for construction purpose)	Organic Solids	IS:3025 (Part-18)
69	CHEMICAL- WATER	Water (for construction purpose)	pH	IS:3025 (Part-11)
70	CHEMICAL- WATER	Water (for construction purpose)	pH Value	IS:3025 (Part-11)
71	CHEMICAL- WATER	Water (for construction purpose)	Sulphate	IS: 3025 (Part-24)
72	CHEMICAL- WATER	Water (for construction purpose)	Total Suspended Material	IS:3025 (Part-17)



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73	CHEMICAL- WATER	Water(for Construction purpose)	pH	IS: 3025 (Part 11)
74	MECHANICAL- BUILDINGS MATERIALS	Admixture	Air content	IS: 9103
75	MECHANICAL- BUILDINGS MATERIALS	Admixture	Bleeding	IS: 9103
76	MECHANICAL- BUILDINGS MATERIALS	Admixture	Flexural strength	IS: 516
77	MECHANICAL- BUILDINGS MATERIALS	Admixture	Length change	IS: 1199
78	MECHANICAL- BUILDINGS MATERIALS	Admixture	Time of setting	IS: 8142
79	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water content	IS: 9103 (Part-3)
80	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Appearance colour	Visual smelling
81	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Boiling water test	ASTM D3625 / IS 14982 Annex D
82	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Flash point	IS : 1448
83	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Nitrogen content	Morth Appendix 4
84	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Pour point	IS 1448 (Part 10) Sec 2
85	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Retained Marshall stability	Morth spec. Appendix 4



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86	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Solubility in diesel(HDO/LDO)	Morth Appendix 4
87	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Specific Gravity 27°C	IS: 1202
88	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Stripping value	IS: 6241
89	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Thermal Stability at 163°C	IS: 6241
90	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Total base value	ASTM D664
91	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Under water coating test	IS : 6241
92	MECHANICAL- BUILDINGS MATERIALS	Anti stripping agent	Water content	IS : 1448
93	MECHANICAL- BUILDINGS MATERIALS	Barbed wire / fencing wire	Diameter	IS 278 2009
94	MECHANICAL- BUILDINGS MATERIALS	Barbed wire / fencing wire	Mass of wire	IS: 278
95	MECHANICAL- BUILDINGS MATERIALS	Barbed wire / fencing wire	Mass of zinc coating	IS: 4826
96	MECHANICAL- BUILDINGS MATERIALS	Barbed wire / fencing wire	Tension test	IS:1608 (Part-1)
97	MECHANICAL- BUILDINGS MATERIALS	Barbed wire / fencing wire	Wrapping test	IS 1755
98	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Fineness	IS: 6186
99	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Gel Formation Index	IS: 6186, A-5



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100	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Moisture	IS: 6186
101	MECHANICAL- BUILDINGS MATERIALS	Bentonite	pH	IS: 6186
102	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Sand Content	IS 6186
103	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Swelling	IS: 6186
104	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Viscosity at 30°C	IS: 6186, A-7
105	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion (Cationic Type)	Water Content	IS:1211
106	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Distillation in % by volume of distillate recovered at 360 degree C	ASTM D-244
107	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Coagulation of emulsion @ low temperature	Annexure C of IS:8887
108	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Determination of coating ability & water resistance	Annexure F of IS:8887
109	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Determination of mixing with cement	Annexure G of IS:8887
110	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Ductility	IS: 1208



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111	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Miscibility with water	Annexure H of IS:8887
112	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Particle Charge	Annexure E of IS:8887
113	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Penetration	IS: 1203
114	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Residue at 360 degree C	IS 1213
115	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Residue by evaporation	Annexure J of IS:8887
116	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Residue on 600 Micron sieve	Annexure B of IS:8887
117	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Solubility in trichloroethylene	IS:1216
118	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Storage stability after 24 hour	Annexure D of IS:8887
119	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion(Cationic Type)	Viscosity by sayblot furol viscometer	IS: 3117
120	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension	Cl. 7 of IS:1237



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121	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Flatness	Annexure B of IS: 1237
122	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Perpendicularity	Annexure G of IS:1237
123	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Water absorption	Annexure D of IS:1237
124	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Wet transverse	Annexure F of IS:1237
125	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles	Chemical resistance	IS:13630 (Part-7)
126	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles	Water absorption	IS:13630 (Part-2)
127	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Curing Efficiency	BS 7542
128	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Ford Cup(B4) Viscosity	BS:7542
129	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Loss of Water in 72 Hrs.	BS:7542
130	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Specific Gravity	BS:7542
131	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Surface Drying Time	ASTM C 309
132	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Water Retention	ASTM C 156
133	MECHANICAL- BUILDINGS MATERIALS	G I Sheet / HDPE / Sheathing Duct	Transverse Load Rating Test	1800/I clause 1805.6.2 Test A,13,C,D
134	MECHANICAL- BUILDINGS MATERIALS	G I Sheet / HDPE / Sheathing Duct	Dimension	IRC-18-2000 APP



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135	MECHANICAL- BUILDINGS MATERIALS	G I Sheet / HDPE / Sheathing Duct	Load tension	1800/I clause 1805.6.2 Test A,13,C,D
136	MECHANICAL- BUILDINGS MATERIALS	G I Sheet / HDPE / Sheathing Duct	Water loss test	MORTH Specs : 2013
137	MECHANICAL- BUILDINGS MATERIALS	G I Sheet / HDPE / Sheathing Duct	Workability	1800/I clause 1805.6.2 Test A,13,C,D
138	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete/Fresh Concrete/concrete Mix	Compaction factor	Cl 5.2 of IS : 1199
139	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete/Fresh Concrete/concrete Mix	Compressive Strength of accelerated cured concrete specimen	IS: 516
140	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete/Fresh Concrete/concrete Mix	Compressive Strength of Concrete cube/Cylindrical	IS: 516
141	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete/Fresh Concrete/concrete Mix	Concrete water Permeability	DIN:1048 (Part-5)
142	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete/Fresh Concrete/concrete Mix	Density	IS : 1199
143	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete/Fresh Concrete/concrete Mix	Flexural Strength	IS:516



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144	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete/Fresh Concrete/concrete Mix	Slump	IS:1199
145	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete/Fresh Concrete/concrete Mix	Water absorption	IS:2185 (Part-2)
146	MECHANICAL- BUILDINGS MATERIALS	Paver block/ Interlocking block	Compressive strength	IS: 15658; Annexure D
147	MECHANICAL- BUILDINGS MATERIALS	Paver block/ Interlocking block	Dimension	IS: 15658 Annexure B
148	MECHANICAL- BUILDINGS MATERIALS	Paver block/ Interlocking block	Flexural Strength Breaking Load	IS:15658 Annexure G
149	MECHANICAL- BUILDINGS MATERIALS	Paver block/ Interlocking block	Thickness of wearing layer	IS: 15658; Cl6.2.3
150	MECHANICAL- BUILDINGS MATERIALS	Paver block/ Interlocking block	Visual inspection	IS : 15658
151	MECHANICAL- BUILDINGS MATERIALS	Paver block/ Interlocking block	Water absorption	IS : 15658 Annexure C
152	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Breaking load	IS:1608 (Part 1)
153	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Cross sectional area	IS : 14268
154	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Diameter	Annexure A-2 of IS :14268



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155	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Mass / Unit area	Annexure B-2 / A-2 of IS : 14268
156	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Relaxation test - 100 H	Cl 6.2.4 of IS: 14268
157	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Cross sectional area	Cl 15 of IS: 2062
158	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Bend test	IS : 1599
159	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Diameter	Cl 6.3 of IS: 1786
160	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Elongation	IS:1608(Part 1)
161	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Mass per meter	Cl 7.1of IS : 1786
162	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Rebend test	IS: 1786
163	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Reduction area	IS:1608 (Part 1)
164	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Rockwell hardness	IS: 1586 (Part 1)
165	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Thickness	Cl 15 of IS: 2062
166	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Ultimate Tensile Strength	IS 1608 (Part 1)
167	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel bar	Yield stress	IS: 1608 (Part 1)



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168	MECHANICAL- BUILDINGS MATERIALS	Rivets	Diameter	IS : 1929
169	MECHANICAL- BUILDINGS MATERIALS	Rivets	Dump test	IS: 1148
170	MECHANICAL- BUILDINGS MATERIALS	Rivets	Head Soundness Test	IS: 1148
171	MECHANICAL- BUILDINGS MATERIALS	Rivets	Shear test	IS : 5242
172	MECHANICAL- BUILDINGS MATERIALS	Steel Pipe Tube	Flattering Test	IS: 2328 cl- 6.1 & ISO 8492
173	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Binder Content	Appendix D of BS:3262 (Part 1)
174	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Cracking Resistance	AASHTO T 250
175	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Drying Time	As Per MORTH Spec. 2013
176	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Flow Resistance Test	AASHTO T-250
177	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Free Flow Test	As Per MORTH Spec. 2001
178	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Glass Beads Content	Appendix C,BS:3262 Part 1
179	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Gradation of Glass Beads(Type 1 & 2)	MORTH Spec.2014
180	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Luminance Test	AASHTO M249
181	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Refractive Index	BS 6088



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182	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Skid Resistance Test	Appendix K,BS 6044
183	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Softening Point- R&B	ASTM D 36
184	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	xiv) Coeff. Of retro-reflection	ASTM D1710-11/ BSEN 1436
185	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Yellowness Index Test	AASHTO M249-4/ASTM E2302
186	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material :	Roundness-Microscopic	BS: 6088
187	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Bend test	IS: 1599
188	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Cross sectional area	IS 14268
189	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Diameter	Cl 6.3 of IS: 1786
190	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Elongation	IS:1608 (Part 1)
191	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Mass per unit area	IS 14268-2017



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192	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Rebend test	IS : 1786
193	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Reduction area	IS:1608 (Part 1)
194	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Rockwell hardness	IS: 1586 (Part 1)
195	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Thickness(dia)	IS 1786
196	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Ultimate Tensile Strength	IS: 1608 (Part 1)
197	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB / Ferrous Materials & alloys products Structural Steel	Yield stress	IS:1608 (Part 1)
198	MECHANICAL- SOIL AND ROCK	Rock	Bulk Density	IS:13030
199	MECHANICAL- SOIL AND ROCK	Rock	Cerchar Abrasiveness Index	ASTM D7625 ISRM Method
200	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS:13030



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201	MECHANICAL- SOIL AND ROCK	Rock	Fractured Faces	ASTM D 5821
202	MECHANICAL- SOIL AND ROCK	Rock	Moisture Content	IS:13030
203	MECHANICAL- SOIL AND ROCK	Rock	Point Load Test	ASTM D5731
204	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS:13030
205	MECHANICAL- SOIL AND ROCK	Rock	Retained Tensile Strength	AASHTO T 283
206	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability Index	IS: 10050
207	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS:13030
208	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS: 9143
209	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS:13030
210	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Relative Density	IS 2720 (Part 14)
211	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	California Bearing Ratio (C.B.R.)-Soaked	IS: 2720 (Part 16 /AASHTO T193)
212	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Coefficient of Interface Friction	IS:13326 (Part 1)



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213	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Coefficient of permeability by Constant Head	IS : 2720 Part-36
214	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Compression index	IS:2720(Part-15)
215	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Consolidation Test	IS:2720(Part-15)
216	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Direct Shear Test, Fie value	IS:2720(P-13)
217	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Direct Shear Test, c value	IS: 2720 (Part-13)
218	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Free Swell Index	IS: 2720 (Part-40)
219	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Grain size Analysis -Wet	IS 2720 (Part-4)
220	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Heavy Compaction MDD/OMC	IS 2720 (Part 8)
221	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Light Compaction MDD	IS 2720 (Part 7)
222	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Light Compaction OMC	IS: 2720 (Part 7)



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223	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Liquid Limit	IS: 2720 (Part 5)
224	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Moisture content	IS: 2720 (Part 2)
225	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Permeability test	IS:2720 (Part-17)
226	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Plastic Limit	IS: 2720 (Part 5)
227	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Plasticity Index	IS: 2720(Part-5)
228	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Shrinkage Limit	IS: 2720 (Part 6)
229	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Tri axial shear Test (c value)	IS:2720 (Part-11 & 12)
230	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Tri axial shear Test (Fie Value)	IS:2720(Part-11 &12)
231	MECHANICAL- TEXTILE MATERIALS	Geogrid	Aperture Size & Number of Ribs/Meter	ASTM D5261
232	MECHANICAL- TEXTILE MATERIALS	Geogrid	Elongation	ASTM D6637
233	MECHANICAL- TEXTILE MATERIALS	Geogrid	Mass Per Square Meter	ASTM D5261



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234	MECHANICAL- TEXTILE MATERIALS	Geogrid	Tensile strength	ASTM D 6637
235	MECHANICAL- TEXTILE MATERIALS	Geotextile (Woven /Non Woven)	Apparent opening Size	ASTM D 4751
236	MECHANICAL- TEXTILE MATERIALS	Geotextile (Woven /Non Woven)	Elongation	ASTM D5035
237	MECHANICAL- TEXTILE MATERIALS	Geotextile (Woven /Non Woven)	Tensile Strength	ASTM D5035
238	MECHANICAL- TEXTILE MATERIALS	Geotextile (Woven /Non Woven)	Thickness	ASTM D5199/ IS:13162 (Part-3)
239	MECHANICAL- TEXTILE MATERIALS	Geotextile (Woven/ Non Woven)	Mass Per Square Meter	ASTM D 5261
240	MECHANICAL- WOOD AND WOOD PRODUCTS	Wood/ Timber/ Plywood	Moisture Content	IS:1708(Part-1)
241	MECHANICAL- WOOD AND WOOD PRODUCTS	Wood/ Timber/ Plywood	Specific Gravity	IS:1708-1986(P-2)



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LOCATION 1-FCA- 560, CHAWLA COLONY, BALLABGARH, FARIDABAD, HARYANA, INDIA Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Retro reflective Signboards/Road Studs	Coefficient of Retro-reflection- RL & QD	ASTM -E810-03 & ASTM-E1709
2	MECHANICAL- BUILDINGS MATERIALS	Bituminous/ concrete Road Section	Benkelman Beam Deflection Test (Bituminous Section)/FWD	IRC:81-1981 Ministry of Road Transport & Highway-Manual for Construction and Supervision of Bituminous Works, IRC, Year 2001
3	MECHANICAL- BUILDINGS MATERIALS	Bituminous/ concrete Road Section	Bridge Load Test (Bituminous and concrete Section)	IRCSP:51 Ministry of Road Transport & Highway-Manual for Construction and Supervision of Bituminous Works, IRC
4	MECHANICAL- BUILDINGS MATERIALS	Bituminous/ concrete Road Section	Surface evenness of Highway Pavements (Bituminous & Concrete Road)/NSV	IRCSP:16
5	MECHANICAL- BUILDINGS MATERIALS	Concrete Structure	Pile Load Test (Concrete Structure) a) Static Load Test	IS: 2911 (Part 4)
6	MECHANICAL- BUILDINGS MATERIALS	Concrete Structure	Pile Load Test(Concrete Structure) c) Lateral Load Test	IS: 2911 (Part 4)
7	MECHANICAL- BUILDINGS MATERIALS	Concrete Structure	Pile Load Test: Dynamic Load Test	IS: 2911 (Part 4)



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8	MECHANICAL- BUILDINGS MATERIALS	Concrete Structure	Pile Load Test: Pullout Test	IS: 2911 (Part 4)
9	MECHANICAL- SOIL AND ROCK	Soil	Dry Density- Core Cutting Method	IS: 2720 (Part 29)
10	MECHANICAL- SOIL AND ROCK	Soil	Dry Density- Sand Replacement Method	IS:2720 (Part 28)
11	MECHANICAL- SOIL AND ROCK	Soil	Ev2 Test	DIN:18134:2001/RDSO GE-14
12	MECHANICAL- SOIL AND ROCK	Soil	K-Value Test	IS: 9214
13	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS:1888
14	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test(Soil Investigation Test) N Value	IS:2131
15	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Electricals Resistivity Test	IS:15736
16	MECHANICAL- SOIL AND ROCK	Soil / Fly ash / Pond ash/GSB / WBM / WMM / CTSB	Soil Resistivity Test	IS: 3043
17	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Cappo Test	ASTM C 900
18	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Cover Depth Measurement	BS 811



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19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Pile Integrity Test	ASTM D5882
20	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer	IS:13311 (Part 2)
21	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test (UPV)	IS:516 (Part-5/Sec-1) / IS:13311 (Part 1)



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LOCATION 2 - FCA- 633/A, EAST CHAWLA COLONY, BALLABGARH, FARIDABAD, HARYANA, INDIA Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Boiling Water Test	ASTM D3625
2	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Mastic Hardness	IS:1195
3	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Mineral Matter (Ash)	IS: 1217
4	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Complex modulus and shear modulus	Annexure 1 IRC SP 53 ASTMD 7405
5	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Absolute Viscosity at 60 degree C	IS: 1206(Part-2)
6	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Bitumen Content /Binder Content Test	ASTM D- 2172,
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Ductility	IS 1208
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Elastic Recovery	IS: 15462/IRC SP 53-2010
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Flash point	IS 1448 Part-69 / IS 1209



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10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Frass Breaking Point	IS: 9381
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Kinematic Viscosity at 135 degree C (for vg grade)& 150 degree C (for modified)	IS: 1206(Part-3) / IS:73
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Loss in weight	IS: 9382
13	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Loss on heating	IS: 212
14	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Marshal Stability & Flow	ASTM D-6927
15	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Penetration	IS 1203
16	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Phase angle	AASHTO T 315
17	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Pour Point	IS:1448 (Part 10)
18	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Resilient Modulus	IRC:37



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19	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Retained Marshall Stability	IS:14982
20	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Separation	IS:15462
21	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Softening Point	IS 1205
22	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Solubility in HDO	IS:14982
23	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Solubility in LDO	IS:14982
24	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Solubility in trichloroethylene	IS:1216
25	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Specific Gravity	IS 1202
26	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Thermal Stability	IS: 14982
27	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Thin Film oven Test : Elastic recovery of half thread in ductilometer at 25°C	IS: 15462



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28	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Thin Film oven Test : Viscosity ratio at 60°C	IS: 1206
29	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Thin Film oven Test: Ductility at 25°C(cm)	IS: 1208
30	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Thin Film oven Test: Increase in softening point	IS: 1205
31	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Thin Film oven Test: Reduction in Penetration of residue	IS: 1203
32	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Viscosity	IS 1206
33	MECHANICAL- BUILDINGS MATERIALS	Bituminous Paving Industrial (PMB/CRMB)	Water content	IS: 1211
34	MECHANICAL- BUILDINGS MATERIALS	Burnt clay building bricks/ Fly ash bricks	Warpage	IS: 3495 (Part-4)
35	MECHANICAL- BUILDINGS MATERIALS	Burnt clay building bricks/ Fly ash bricks	Compressive Strength	IS: 3495(Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Burnt clay building bricks/ Fly ash bricks	Dimension	IS: 1077
37	MECHANICAL- BUILDINGS MATERIALS	Burnt clay building bricks/ Fly ash bricks	Dimension	IS: 1077
38	MECHANICAL- BUILDINGS MATERIALS	Burnt clay building bricks/ Fly ash bricks	Dimension	IS: 1077



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39	MECHANICAL- BUILDINGS MATERIALS	Burnt clay building bricks/ Fly ash bricks	Efflorescence	IS: 3495(Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Burnt clay building bricks/ Fly ash bricks	Water Absorption	IS: 3495(Part 2)
41	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)/GGB S	Compressive Strength/Slag activity Index: a) 7 days b) 28 days	IS: 4031(Part-6)
42	MECHANICAL- BUILDINGS MATERIALS	Cement-(OPC/PPC/PSC)/GGB S	Fineness: Blaine	IS:4031(Part-2)
43	MECHANICAL- BUILDINGS MATERIALS	Cement-(OPC/PPC/PSC)/GGB S	Fineness: Dry sieving	IS:4031(Part-1)
44	MECHANICAL- BUILDINGS MATERIALS	Cement-(OPC/PPC/PSC)/GGB S	Setting Time: Final Setting time	IS: 4031(Part-5)
45	MECHANICAL- BUILDINGS MATERIALS	Cement-(OPC/PPC/PSC)/GGB S	Setting Time: Initial Setting Time	IS: 4031(Part-5)
46	MECHANICAL- BUILDINGS MATERIALS	Cement-(OPC/PPC/PSC)/GGB S	Soundness: By Autoclave	IS: 4031(Part-3)
47	MECHANICAL- BUILDINGS MATERIALS	Cement-(OPC/PPC/PSC)/GGB S	Soundness: By Le-Chatelier	IS: 4031(Part-3)
48	MECHANICAL- BUILDINGS MATERIALS	Cement-(OPC/PPC/PSC)/GGB S	Specific Gravity	IS 4031 (Part-11)



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49	MECHANICAL- BUILDINGS MATERIALS	Cement-(OPC/PPC/PSC)/GGB S	Standard Consistency	IS: 4031(Part-4)
50	MECHANICAL- BUILDINGS MATERIALS	Cement-(OPC/PPC/PSC)/GGB S	Transverse strength	IS : 4031 (Part-8)
51	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Mortar Making Properties	IS 2386 (Part 6)
52	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10 % Fines Value	IS 2386 (Part-4)
53	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Impact Value	IS 2386 (Part 4)
54	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Alkali Reactivity	IS: 2386 (Part-7)
55	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
56	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Combined Flakiness & Elongation Index	IS 2386 (Part 1)
57	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386(Part 4)
58	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Material	IS: 2386 (Part-2)
59	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles Abrasion Value	IS 2386(Part 4)
60	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Material Finer than 75 micron	IS 2386(Part 1)
61	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Petrographic Examination	IS 2386 (Part 8)



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62	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Polished stone value	IS: 2386(Part -4) / BS: 812 (Part-114)
63	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis/ Particle Shape & Size/Material Finer/Gradation/Grain Size Analysis	IS 2386(Part 1)
64	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness: a) Na ₂ So ₄ b) MgSo ₄	IS: 2386(Part-5)
65	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386(Part 3)
66	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Stripping Value of aggregate	IS: 6241
67	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386(Part 3)
68	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Petrographic Examination	IS : 2386 (Part-8)
69	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt content	IS : 2386 (Part-2)
70	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Alkali Reactivity	IS: 2386(Part-7)
71	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386(Part 3)
72	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Material	IS: 2386(Part-2)
73	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sand equivalent Value	IS: 2720(Part-37)
74	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis/ Particle Shape & Size/Material Finer	IS 2386(Part 1)



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75	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness :a) Na ₂ SO ₄ b) MgSO ₄	IS: 2386(Part-5)
76	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386(Part 3)
77	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386(Part 3)