National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA CONSULTANT SERVICES, TESTING LABORATORY, 256A, M.G.ROAD, PURBASAN, HARIDEVPUR, KOLKATA, WEST BENGAL, 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
LOCATION 1-256A, M.G.ROAD, PURBASAN, HARIDEVPUR, KOLKATA, WEST BENGAL, INDIA Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Coarse aggregates and Fine aggregates	Alkali Aggregates Reaction a) Concentration of Silica	IS:2386 (Part VII)
2	CHEMICAL- BUILDING MATERIAL	Coarse Aggregates and Fine Aggregates	Alkali aggregates reaction b) Reduction in alkalinity	IS:2386(VII)
3	CHEMICAL- BUILDING MATERIAL	Fly ash	Aluminum Oxide	IS:1727
4	CHEMICAL- BUILDING MATERIAL	Fly ash	Iron Oxide	IS:1727
5	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on Ignition	IS:1727
6	CHEMICAL- BUILDING MATERIAL	Fly ash	SO3	IS:1727
7	CHEMICAL- BUILDING MATERIAL	Flyash	Chloride	IS:4032
8	CHEMICAL- BUILDING MATERIAL	Flyash	Magnesium oxide	IS:1727
9	CHEMICAL- BUILDING MATERIAL	Flyash	Silica	IS:1727
10	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement - OPC/PPC/PSC/ COMPOSITE /WHITE CEMENT	Loss on Ignition	IS:4032
11	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement - OPC/PPC/PSC/ COMPOSITE/WHITE CEMENT	Chloride content	IS:4032
12	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement - OPC/PPC/PSC/COMPOSITE/WHITE CEMENT/AGGREGATES	Sulphuric Anhydride	IS:4032
13	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement - OPC/PPC/PSC/COMPOSITE/WHITE CEMENT/GGBS/AGGREGATES	Calcium Oxide	IS:4032
14	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement - OPC/PPC/PSC/COMPOSITE/WHITE CEMENT/GGBS/AGGREGATES	Silica	IS:4032
15	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement - OPC/PSC/PPC/COMPOSITE/WHITE CEMENT	Iron Oxide	IS:4032
16	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement - PPC/ COMPOSITE	Insoluble Residue	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement - PSC/COMPOSITE/GGBS/AGGREGATES	Sulphide Sulphur (as S)	IS:4032
18	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement - PSC/OPC/WHITE CEMENT/GGBS	Insoluble Residue	IS:4032

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19	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement -OPC/PPC/PSC/COMPOSITE CEMMENT/WHITE CEMENT/GGBS/AGGREGATES	Magnesia (as MgO)	IS:4032
20	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement -OPC/PPC/PSC/COMPOSITE/WHITE CEMENT/GGBS	Alumina	IS:4032
21	CHEMICAL- METALS & ALLOYS	Cast iron & pig iron	Carbon	IS:12308(P-11)
22	CHEMICAL- METALS & ALLOYS	Cast iron and Pig iron	Chromium	IS:12308 (Part 8)
23	CHEMICAL- METALS & ALLOYS	Cast Iron and Pig Iron	Manganese	IS:12308 (Part 10)
24	CHEMICAL- METALS & ALLOYS	Cast Iron and Pig iron	Nickel	IS:12308 (Part -7)
25	CHEMICAL- METALS & ALLOYS	Cast Iron and Pig Iron	Phosphorous	IS:12308 (Part 5)
26	CHEMICAL- METALS & ALLOYS	Cast Iron and Pig iron	Silicon	IS:12308 (Part-6)
27	CHEMICAL- METALS & ALLOYS	High alloy steel /Stainless steel	Chromium	IS:228 (Part-6)
28	CHEMICAL- METALS & ALLOYS	High Alloy Steel/ Stainless Steel	Silicon	IS:228(Part -8)
29	CHEMICAL- METALS & ALLOYS	High Alloy steel/ Stainless steel	Sulphur	IS:228(Part-9)
30	CHEMICAL- METALS & ALLOYS	High alloy Steel/Stainless Steel	Carbon	IS:228(Part 1)
31	CHEMICAL- METALS & ALLOYS	High alloy Steel/Stainless Steel	Manganese	IS:228(Part 2)
32	CHEMICAL- METALS & ALLOYS	High alloy Steel/Stainless Steel	Nickel	IS:228 (Part -5)
33	CHEMICAL- METALS & ALLOYS	High alloy Steel/Stainless Steel	Phosphorous	IS:228(Part-3)
34	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel and low alloy steel	Carbon	IS:228 (Part 1)
35	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel and low alloy steel	Chromium	IS:228(Part-6)
36	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel and low alloy steel	Manganese	IS:228(Part -2)
37	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel and low alloy steel	Nickel	IS:228(Part -5)

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38	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel and low alloy steel	Phosphorus	IS:228(Part-3)
39	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel and low alloy steel	Silicon	IS:228(Part -8)
40	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel and low alloy steel	Sulphur	IS:228(Part 9)
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal welded coupons	Hardness Test (HRB)	IS:1586 (Part 1)
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium and Aluminium Alloy Products	% Elongation	ASTM B 557
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium and Aluminium Alloy Products	% Elongation	IS:1608(Part 1)
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium and Aluminium Alloy Products	Tensile Strength	ASTM B 557
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium and Aluminium Alloy Products	Tensile Strength	IS:1608(Part1)
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Material and Alloy Products (Round, Flat, Strip & Pipe)	% Elongation	IS:1608(Part 1)
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Material and Alloy Products (Round, Flat, Strip & Pipe)	Tensile Strength	IS:1608(Part 1)
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous metal welded coupons	Transverse Root and Face Bend on Butt Weld	IS:3600 (Part 5)
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous metal welded coupons	Transverse Side Bend on Butt Weld	IS:3600(Part 5)
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products(Reinforced Couplers for Mechanical Splicing of bars in concrete)	Total Elongation	IS:1608 (Part 1))
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Bolt and Rivets)	Shear Strength	IS:5242

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52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Bolt,Screw,Stud and Fasteners)	% Elongation	ISO:6892(Part-1)
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Bolt,Screw,Stud and Fasteners)	% Reduction in area	IS:1608 pt 1
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Bolt,Screw,Stud and Fasteners)	Tensile Strength	ISO: 6892 (Part 1)
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Nuts)	Proof Load Test	IS:1367(Part 6)
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Pipes and Tubes)	Bend Test	IS:2329
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Pipes and Tubes)	Flattening test	IS:2328
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Plates, Channels, Angles, Beams, Squares, Bars, Round Bars, Flats, Hollow Sections, Tubes or Pipes, Rivets)	% Elongation	ASTM A 370
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Plates, Channels, Angles, Beams, Squares, Bars, Round Bars, Flats, Hollow Sections, Tubes or Pipes, Rivets)	Tensile Strength	ASTM A 370
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Plates, Channels, Angles, Beams, Squares, Bars, Round Bars, Flats, Hollow Sections, Tubes or Pipes, Rivets)	Yield Stress	ASTM A 370
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Plates, Channels, Angles,Beams,Squares, Bars, Round Bars, Flats, Hollow Sections,Tubes or Pipes)	Bend test	IS:1599
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Plates, Channels, Angles,Beams,Squares, Bars, Round Bars, Flats, Hollow Sections,Tubes or Pipes)	Yield Stress	IS:1608(Part 1)
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Plates, Channels, Angles,Beams,Squares, Bars, Round Bars, Flats, Hollow Sections,Tubes or Pipes, Bolt Screw, Stud, fastners and nut)	Rockwell Hardness (HRB)	IS:1586 (Part-1)
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Plates, Channels, Angles,Beams,Squares, Bars, Round Bars, Flats, Hollow Sections,Tubes or Pipes, Rivets ets)	% Elongation	IS:1608(Part 1)
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Plates, Channels, Angles,Beams,Squares, Bars, Round Bars, Flats, Hollow Sections,Tubes or Pipes, Rivets)	Tensile Strength	IS:1608(Part 1)

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66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Plates, Channels, Angles,Beams,Squares, Bars, Round Bars, Flats, Hollow Sections,Tubes or Pipes, Rivets, Bolt, Screw, Stud, fastners and nut ets)	Rockwell Hardness (HRC)	IS:1586(Part 1)
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Reinforced couplers for Mechanical splicing of bars in concrete)	Location of Failure	IS:16172(Annex B)
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy products (Reinforced couplers for Mechanical splicing of bars in concrete)	Static Tensile Strength	IS:1608 (Part 1)
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials and Alloy Products (Rivet)	Dump test	IS:3298
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products (Bolt ,Screw, Stud, Fastener)	0.2% proof load	IS:1608 (Part-1)
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products (Bolt, Screw, Stud, Fasteners)	Yield Stress	IS:1608(Part 1)
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal welded coupons	Bend (Root bend, Face bend, Side bend)	ASME Section IX
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal welded coupons	Hardness Test (HRC)	IS:1586 (Part 1)
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal welded coupons	Tensile Strength	ASME Section -IX
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal welded coupons	Transverse Tensile Strength	IS:3600(Part 3)
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	% Elongation	ASTM A 370
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	% Elongation	IS:1608(Part 1)
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	0.2% Proof Stress	ASTM A 370

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79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	0.2% Proof Stress	IS:1608(Part 1)
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement steel (Rebar)	Bend Test	IS:1599
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement steel (Rebar)	Bend test	ISO:7438
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	Re-bend Test	IS:1786
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	Re-bend Test	ISO: 15630 (Part 1)
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	Tensile Strength	ASTM A 370
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	Tensile strength	IS:1608(Part 1)
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	Total Elongation	ASTM A 370
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	Total Elongation	IS:1608(Part 1)
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	Weight per meter	IS:1786
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	Weight per Meter	ISO: 15630 (Part 1)
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	Yield Stress	ASTM A 370
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel (Rebar)	Yield Stress	IS:1608(Part 1)

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LOCATION 2 - 996A, M.G.ROAD, PURBASAN, HARIDEVPUR, KOLKATA, WEST BENGAL, INDIA Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash	IS:9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS:6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS:9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH value	IS:9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS:9103
6	CHEMICAL- BUILDING MATERIAL	Admixture	Specific Gravity	ASTM C 494/C 494M
7	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloy	Nickel	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Chromium	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Magnesium	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Manganese	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium alloys	Titanium	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium alloys	Copper	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium alloys	Iron	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Zinc	ASTM E 1251
15	CHEMICAL- METALS & ALLOYS	Aluminium and Its alloys	Silicon	ASTM E 1251
16	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel / Alloy Steel	Nitrogen	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel / Alloy Steel	Vanadium	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Plain Carbon steel /Alloy steel	Cobalt	ASTM E 415

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19	CHEMICAL- METALS & ALLOYS	Plain Carbon steel and alloy steel	Sulphur	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel/ Alloy Steel	Aluminium	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel/ Alloy Steel	Carbon	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel/ Alloy Steel	Chromium	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel/ Alloy Steel	Copper	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel/ Alloy steel	Molybdenum	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel/ Alloy Steel	Nickel	ASTM E 415
26	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel/ Alloy steel	Phosphorous	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Plain Carbon steel/Alloy steel	Manganese	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Plain carbon steel/Alloy steel	Silicon	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1086
30	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E 1086
31	CHEMICAL- METALS & ALLOYS	Stainless steel	Cobalt	ASTM E 1086
32	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E 1086
33	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E 1086
34	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E 1086
35	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E 1086
36	CHEMICAL- METALS & ALLOYS	Stainless steel	Nitrogen	IS:228 (Part 23)
37	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	ASTM E 1086

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38	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E 1086
39	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E 1086
40	CHEMICAL- METALS & ALLOYS	Stainless steel	Vanadium	ASTM E 1086
41	CHEMICAL- SOIL AND ROCK	Soil	pH Value	BS:1377(Part 3)
42	CHEMICAL- SOIL AND ROCK	Soil	pH value	IS:2720(Part 26)
43	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate	BS: 1377(Part 3)
44	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate	IS:2720(Part 27)
45	CHEMICAL- SOIL AND ROCK	Soil	Water soluble chloride(water extract)	BS:1377(Part 3)
46	CHEMICAL- WATER	Construction Water	Total Suspended Solids (TSS)	IS:3025(Part 17)
47	CHEMICAL- WATER	Construction Water	Acidity	IS:3025(Part 22)
48	CHEMICAL- WATER	Construction Water	Alkalinity	IS:3025 (Part 23)
49	CHEMICAL- WATER	Construction Water	Chloride	IS:3025(Part 32)
50	CHEMICAL- WATER	Construction Water	Filterable Residue (TDS)	IS:3025(Part-16)
51	CHEMICAL- WATER	Construction Water	pH value	IS:3025(Part 11)
52	CHEMICAL- WATER	Construction Water	Sulphates	IS:3025(Part 24)
53	CHEMICAL- WATER	Construction Water	Total Inorganic Solids	IS:3025(Part 18)
54	CHEMICAL- WATER	Construction Water	Total organic Solids	IS:3025 (Part 18)
55	CHEMICAL- WATER	Drinking Water	Calcium	APHA 23rd Edition 3500-Ca-B
56	CHEMICAL- WATER	Drinking Water	Chloride	IS:3025(Part 32)
57	CHEMICAL- WATER	Drinking Water	Colour	IS:3025(Part 4)
58	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	IS:3025(Part 26)
59	CHEMICAL- WATER	Drinking Water	Magnesium	APHA 23rd Edition 3500-Mg-B
60	CHEMICAL- WATER	Drinking Water	Odour	IS:3025(Part 5)
61	CHEMICAL- WATER	Drinking Water	pH Value	IS:3025(Part 11)
62	CHEMICAL- WATER	Drinking Water	Sulphates	IS:3025(Part 24)
63	CHEMICAL- WATER	Drinking Water	Taste	IS:3025(Part 7&8)

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64	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS:3025(Part 23)
65	CHEMICAL- WATER	Drinking Water	Total Dissolved Solid	IS:3025(Part 16)
66	CHEMICAL- WATER	Drinking Water	Total Hardness	APHA 23rd Edition 2340-C
67	MECHANICAL- BUILDINGS MATERIALS	Autoclaved cellular aerated Concrete blocks	Bulk Density	IS:6441 (Part 1)
68	MECHANICAL- BUILDINGS MATERIALS	Autoclaved cellular aerated Concrete blocks	Compressive Strength	IS:6441(Part 5)
69	MECHANICAL- BUILDINGS MATERIALS	Autoclaved cellular aerated Concrete blocks	Thermal Conductivity	IS:3346
70	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute viscosity	ASTM D 2171/ D 2171 M
71	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS:1206(Part -2)
72	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	ASTM D 113
73	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
74	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS:1448 (P69)
75	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic viscosity	ASTM D 2170/D 2170M
76	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206(Part 3)
77	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on heating	IS:1212
78	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	ASTM D 5/D 5 M
79	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
80	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	ASTM D 36/D 36M
81	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS:1205
82	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in trichloroethylene	IS:1216
83	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific gravity	IS 1202

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84	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Viscosity ratio	ASTM D 2171/ ASTM D 2171M
85	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Viscosity ratio	IS:1206(Part 2)
86	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Ductility	IS 1208
87	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility with water	IS:8887 (Annexure H)
88	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Particle Charge	IS:8887 (Annexure E)
89	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Penetration	IS:1203
90	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by evaporation	IS:8887(Annexure J)
91	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 micron Sieve	IS:8887 (Annexure B)
92	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Solubility in Trichloroethylene	IS:1216
93	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to mixing with cement	IS:8887 (Annexure G)
94	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability after 24h	IS:8887 (Annexure D)
95	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay fly ash bricks)	Dimension (Width)	IS:13757
96	MECHANICAL- BUILDINGS MATERIALS	Bricks (burnt clay fly ash bricks)	Compressive strength	IS:3495(Part1)
97	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay fly ash bricks)	Efflorescence	IS:3495 part 3
98	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay fly-ash brinks)	Dimension(Height)	IS: 13757
99	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay flyash bricks)	Dimension (Length)	IS:13757
100	MECHANICAL- BUILDINGS MATERIALS	Bricks (Common burnt clay bricks)	Effloroscence	IS:3495 (Part 3)
101	MECHANICAL- BUILDINGS MATERIALS	Bricks (Common Burnt clay Bricks)	Compressive strength	IS:3495(Part 1)
102	MECHANICAL- BUILDINGS MATERIALS	Bricks (common burnt clay bricks)	Dimension (Length)	IS:1077

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103	MECHANICAL- BUILDINGS MATERIALS	Bricks (Common burnt clay bricks)	Dimension (Width)	IS:1077
104	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt Clay fly-ash bricks)	Water Absorption	IS:3495(Part-2)
105	MECHANICAL- BUILDINGS MATERIALS	Bricks(common burnt clay bricks)	Dimension (Height)	IS:1077
106	MECHANICAL- BUILDINGS MATERIALS	Bricks(Common Burnt clay bricks)	Water absorption	IS:3495(Part2)
107	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC,PSC & Composite)	Density	IS:4031(Part 11)
108	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC,PSC & Composite)	Fineness by Dry Sieving	IS:4031(Part-1)
109	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC,PSC & Composite)	Soundness by Autoclave	IS:4031(Part 3)
110	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC,PSC & Composite)	Soundness by La-Chatelier	IS:4031(Part 3)
111	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC,PSC ,Composite and GGBS)	Fineness By Blain	IS:4031 (Part -2)
112	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC,PSC, Composite, Cement mortar and Cement Base Wall Putty and GGBS)	Compressive Strength	IS:4031 (Part-6)
113	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC,PSC, Composite, Cement mortar and Cement Base Wall Putty and GGBS)	Final Setting Time	IS:4031 (Part 5)
114	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC,PSC, Composite, Cement mortar and Cement Base Wall Putty and GGBS)	Normal Consistency	IS:4031(Part 4)
115	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC,PSC, Composite, GGBS, Cement mortar and Cement Base Wall Putty)	Initial setting time	IS:4031(Part 5)
116	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Strength	IS:13630(P-6)
117	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Strength	ISO: 10545 (Part 4)
118	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of rupture	IS: 13630 (Part 6)
119	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of rupture	ISO:10545 (Part -4)
120	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS:13630 (Part-2)
121	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	ISO: 10545 (Part 3)

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122	MECHANICAL- BUILDINGS MATERIALS	Ceramic Unglazed Vitreous Acid Resistance tiles	Breaking Strength	IS:4457(Annexure D)
123	MECHANICAL- BUILDINGS MATERIALS	Ceramic Unglazed Vitreous acid resistance tiles	Modulus of Rupture	IS:4457 (Annex D)
124	MECHANICAL- BUILDINGS MATERIALS	Ceramic Unglazed Vitreous acid resistance tiles	Water absorption	IS:4457 (Annex C)
125	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS:2386(Part 4)
126	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Soundness by Na2So4	IS:2386(Part 5)
127	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS:6241
128	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate & Ballast	Specific Gravity	IS:2386 (Part 3)
129	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate, Ballast, GSB, WMM, WBM and Blanket	Abrasion value	IS:2386(Part 4)
130	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate, Ballast, GSB, WMM, WBM and Blanket	AIV	IS:2386(Part 4)
131	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate, Ballast, GSB, WMM, WBM and Blanket	Water Absorption	IS:2386(Part 3)
132	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate, GSB, WMM, WBM and Blanket	Combined Flakiness & Elongation	IS:2386 (Part 1)
133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fines value	IS:2386 (P-4)
134	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	75 micron sieving	IS: 2386 (Part 1)
135	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Compacted)	IS 2386 (Part 3)
136	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density(Loose)	IS:2386(Part 3)
137	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS: 2386(Part 1)
138	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness index	IS:2386 (Part 1)
139	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by Mg2SO4	IS 2386 (Part 5)
140	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates & Ballast	Sieve analysis	IS:2386 (Part 1)

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141	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates and Fine Aggregates	Coal & Lignite	IS:2386 (Part 2)
142	MECHANICAL- BUILDINGS MATERIALS	Coarse and fine aggregates	Clay Lumps	IS:2386(Part 2)
143	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength (Cube)	IS:516
144	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS: 516
145	MECHANICAL- BUILDINGS MATERIALS	Concrete	Permeability	BS EN 12390 - 8
146	MECHANICAL- BUILDINGS MATERIALS	Concrete	Permeability	IS:516(Part2/Sec1)
147	MECHANICAL- BUILDINGS MATERIALS	Concrete	RCPT	ASTM C 1202
148	MECHANICAL- BUILDINGS MATERIALS	Concrete	Water Absorption	IS:2185(Part 1)
149	MECHANICAL- BUILDINGS MATERIALS	Concrete (Core)	Compressive Strength	IS:516(Part 4)
150	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	75 Micron sieving	IS:2386(Part 1)
151	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Specific gravity	IS:2386(Part3)
152	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Bulk Density (Compacted)	IS:2386 (Part 3)
153	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk density (Loose)	IS:2386(Part 3)
154	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Fineness modulus	ASTM C 136
155	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Sieve Analysis	IS: 2386(Part 1)
156	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Silt Content	IS:2386(Part 2)
157	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness by Na2SO4	IS:2386 (Part 5)
158	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness Mg2SO4	IS:2386(Part 5)
159	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Water absorption	IS:2386(Part 3)

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160	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by wet sieving by 45 micron IS sieve	ASTM C 430
161	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Autoclave	ASTM C 151
162	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	ASTM C 188
163	MECHANICAL- BUILDINGS MATERIALS	Flyash	Fineness by Blain air permeability	IS:1727
164	MECHANICAL- BUILDINGS MATERIALS	Flyash	Fineness by wet sieving(by 45 Mic)	IS:1727
165	MECHANICAL- BUILDINGS MATERIALS	Flyash	Soundness by Autoclave	IS:4031 (Part 3)
166	MECHANICAL- BUILDINGS MATERIALS	Flyash	Specific Gravity	IS:1727
167	MECHANICAL- SOIL AND ROCK	Clay & Soil	Sieve Analysis	IS:2720(Part 4)
168	MECHANICAL- SOIL AND ROCK	Clay & Soil, Granular Materials , GSB,WMM,WBM & Blanketing Materials	Heavy Compaction Test - Optimum Moisture Content	IS:2720(Part 8)
169	MECHANICAL- SOIL AND ROCK	Clay & Soil, Granular Materials, GSB,WMM, WBM & Blanketing materials	Heavy Compaction Test - Maximum Dry Density	IS:2720(Part 8)
170	MECHANICAL- SOIL AND ROCK	Clay and Soil	Specific Gravity	IS:2720(Part-3), Sec-1
171	MECHANICAL- SOIL AND ROCK	Clay, Soil, Granular material	Free Swell index	IS:2720(Part 40)
172	MECHANICAL- SOIL AND ROCK	Clay, Soil, Granular material, GSB, WMM, WBM & Blanket	Light Compaction Test- Maximum Dry Density	IS:2720 (Part 7)
173	MECHANICAL- SOIL AND ROCK	Clay, Soil, Granular material, GSB, WMM, WBM & Blanket	Light Compaction Test- Optimum Moisture Content	IS:2720(Part 7)
174	MECHANICAL- SOIL AND ROCK	Clay, Soil, Granular material, GSB, WMM, WBM & Blanket	Liquid Limit	IS:2720(Part 5)
175	MECHANICAL- SOIL AND ROCK	Clay, Soil, Granular material, GSB, WMM, WBM & Blanket	Plastic Limit	IS:2720 (Part 5)
176	MECHANICAL- SOIL AND ROCK	Clay, Soil, Granular material, GSB, WMM, WBM & Blanket	Water Content	IS:2720(Part 2)
177	MECHANICAL- SOIL AND ROCK	Natural Building stone	Apparent Specific gravity	IS:1124
178	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Apparent porosity	IS:1124

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179	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Compressive Strength	IS:1121(Part 1)
180	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Resistance to wear by abrasion	IS:1706
181	MECHANICAL- SOIL AND ROCK	Natural Building Stones	True Porosity	IS:1124
182	MECHANICAL- SOIL AND ROCK	Natural Building Stones	True Specific Gravity	IS:1122
183	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS:1124