



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

<b>Laboratory Name :</b>	CIMEC TECHNOLOGIES PVT. LTD., 23/H, MELDI ESTATE, GOTA, AHMEDABAD, GUJARAT, INDIA	<b>Page No</b>	1 of 17
<b>Accreditation Standard</b>	ISO/IEC 17025:2017	<b>Last Amended on</b>	02/12/2023
<b>Certificate Number</b>	TC-5549		
<b>Validity</b>	19/11/2023 to 18/11/2025		

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Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	IS 6925 (Turbidimetric method )
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	Aggregate	Soundness	IS 2386(Pt-5)
7	CHEMICAL- BUILDING MATERIAL	Aggregates	Acid Soluble Chloride Content	BS EN 1744-5
8	CHEMICAL- BUILDING MATERIAL	Aggregates	Acid Soluble Sulphate	BS EN 1744-1
9	CHEMICAL- BUILDING MATERIAL	Aggregates	Alkali Aggregate Reactivity - Dissolved Silica	IS 2386 (Pt-7)
10	CHEMICAL- BUILDING MATERIAL	Aggregates	Alkali Aggregate Reactivity - Reduction in Alkalinity	IS 2386 (Pt-7)
11	CHEMICAL- BUILDING MATERIAL	Aggregates	Total Alkali Content As Na <sub>2</sub> O Equivalent	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Aggregates	Water Soluble Chloride Content	BS EN 1744-1
13	CHEMICAL- BUILDING MATERIAL	Aggregates	Water Soluble Sulphate	BS EN 1744-1
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Alkali Content as Na <sub>2</sub> O Equivalent	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Aluminum Oxide	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Calcium Oxide	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Chloride Content	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Insoluble Residue	IS 4032



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19	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Iron Oxide	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Loss On Ignition	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Magnesia	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Potassium Oxide	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Ratio Of Percentage of Alumina to that of iron oxide	Chem/Cement/9 (Issue No. 1)
24	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Ratio of Percentage of Lime to Percentage of Silica,Alumina and Iron Oxide	Chem/cement/10 issue no.01
25	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Silica	IS 4032
26	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Sodium Oxide	IS 4032
27	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Sulphide Sulphur	IS 4032
28	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Tetra Calcium Alumino Ferrite	Chem/Cement/16 (Issue No. 1)
29	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Total Sulphur Content calculated As Sulphuric Anhydride (SO <sub>3</sub> )	IS 4032
30	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Tricalcium Aluminate Content (C3A)	Chem/cement/14 issue no.01
31	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC/SRPC)	Tricalcium Silicate Content (C3S)	Chem/cement/15 issue no.01
32	CHEMICAL- BUILDING MATERIAL	Cement Concrete & Mortar (Fresh & Hardened)	Chloride Migration Coefficient of Concrete	NT Built 492
33	CHEMICAL- BUILDING MATERIAL	Cement Concrete and Mortar (Fresh & Hardened)	Ability to Resist Chloride Ion Penetration (Rapid Chloride Penetration)	ASTM C 1202
34	CHEMICAL- BUILDING MATERIAL	Cement Concrete and Mortar (Fresh & Hardened)	Determination of Chloride Content	BS 1881 (Pt-124)
35	CHEMICAL- BUILDING MATERIAL	Cement Concrete and Mortar (Fresh & Hardened)	Determination of Sulphate Content	BS 1881 (Pt-124)
36	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	(CaO+CaS+(1/2 MgO)+Al <sub>2</sub> O <sub>3</sub> )/(SiO <sub>2</sub> +MnO)	Chem/GGBS/08 issue no. 01



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37	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	(CaO+MgO+Al <sub>2</sub> O <sub>3</sub> )/(SiO <sub>2</sub> )	Chem/GGBS/07 issue no.01
38	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Alumina Oxide as (Al <sub>2</sub> O <sub>3</sub> )	IS 4032
39	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Calcium Oxide as (CaO)	IS 4032
40	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Calcium Sulphide (CaS)	Chem/GGBS/10 (Issue No.1)
41	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	CaO+MgO+1/3(Al <sub>2</sub> O <sub>3</sub> )/SiO <sub>2</sub> +2/3(Al <sub>2</sub> O <sub>3</sub> )	Chem/GGBS/09(Issue No. 1)
42	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Chloride Content	IS 4032
43	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Insoluble Residue	IS 4032
44	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Loss on ignition	IS 4032
45	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Magnesium Oxide	IS 4032
46	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Manganese Oxide	IS 4032
47	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Moisture Content	IS 16714 (Annx-B)
48	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Silica	IS 4032
49	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Sulphate (SO <sub>3</sub> )	IS 4032
50	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace Slag	Sulphide Sulphur	IS 4032
51	CHEMICAL- BUILDING MATERIAL	Pozzolanic material (As Pozzolana / As Admixture /Silica Fumes)	Alkali as equivalent sodium oxide (Na <sub>2</sub> O)	IS 3812 (Pt-2)(Annx-B)
52	CHEMICAL- BUILDING MATERIAL	Pozzolanic material (As Pozzolana / As Admixture /Silica Fumes)	Alkali as equivalent sodium oxide (Na <sub>2</sub> O)	IS 3812(Pt-1)(Annx-C)
53	CHEMICAL- BUILDING MATERIAL	Pozzolanic Material (As Pozzolana / As Admixture /Silica Fumes)	Available Alkali Na <sub>2</sub> O	IS 4032
54	CHEMICAL- BUILDING MATERIAL	Pozzolanic material (As Pozzolana / As Admixture /Silica Fumes)	Combined ferric oxide and Alumina	IS 1727
55	CHEMICAL- BUILDING MATERIAL	Pozzolanic Material (As Pozzolana / As Admixture /Silica Fumes)	Loss On Ignition	IS 1727





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56	CHEMICAL- BUILDING MATERIAL	Pozzolanic Material (As Pozzolana / As Admixture /Silica Fumes)	Magnesium Oxide	IS 1727
57	CHEMICAL- BUILDING MATERIAL	Pozzolanic material (As Pozzolana / As Admixture /Silica Fumes)	Moisture Content	IS 15388
58	CHEMICAL- BUILDING MATERIAL	Pozzolanic material (As Pozzolana / As Admixture /Silica Fumes)	Moisture Content	IS 3812 (Pt-1) (Annx-C)
59	CHEMICAL- BUILDING MATERIAL	Pozzolanic material (As Pozzolana / As Admixture /Silica Fumes)	Moisture Content	IS 3812(Pt-2) (Annx-C)
60	CHEMICAL- BUILDING MATERIAL	Pozzolanic Material (As Pozzolana / As Admixture /Silica Fumes)	Reactive Silica	Cement and Concrete Research, Volume 38, Issue 1, January 2008, Pages 104-106
61	CHEMICAL- BUILDING MATERIAL	Pozzolanic Material (As Pozzolana / As Admixture /Silica Fumes)	Silicon Dioxide (SiO <sub>2</sub> )	IS 1727
62	CHEMICAL- BUILDING MATERIAL	Pozzolanic material (As Pozzolana / As Admixture /Silica Fumes)	Silicon dioxide + Aluminium Oxide+Iron Oxide	Chem/Flyash/07 issue no. 1
63	CHEMICAL- BUILDING MATERIAL	Pozzolanic material (As Pozzolana / As Admixture /Silica Fumes)	Total Chlorides	IS 4032
64	CHEMICAL- BUILDING MATERIAL	Pozzolanic material (As Pozzolana / As Admixture /Silica Fumes)	Total Sulphur as Sulphur Trioxide (SO <sub>3</sub> )	IS 1727
65	CHEMICAL- BUILDING MATERIAL	Tiles	Resistance to acids and alkalies (with the excepting of hydrofluoric acid and its compounds)	IS 13630 (Pt-8)
66	CHEMICAL- BUILDING MATERIAL	Tiles	Resistance to House hold Chemicals & Swimming pool water cleaners except to cleaning agent, containing hydrofluoric acid and its compound	IS 13630 (Pt-8)
67	CHEMICAL- BUILDING MATERIAL	Tiles	Resistance to staining of glazed tiles	IS 13630 (Pt-8)
68	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Moisture Content	IS 16715 (Annx-B)
69	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Silica	IS 4032
70	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Aluminium Oxide	IS 4032
71	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Calcium Oxide	IS 4032



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72	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Calcium Sulphide (CaS)	Chem/UGGBS/04 (Issue No.1)
73	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	CaO+CaS+1/2(MgO)+Al <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> +MnO	Chem/UGBS/03(Issue No. 1)
74	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	CaO+MgO+1/3(Al <sub>2</sub> O <sub>3</sub> )/SiO <sub>2</sub> +2/3(Al <sub>2</sub> O <sub>3</sub> )	Chem/UGGBS/01(Issue No. 1)
75	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	CaO+MgO+Al <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub>	Chem/UGBS/02(Issue No. 1)
76	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Chloride Content	IS 4032
77	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Insoluble Residue	IS 4032
78	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Loss On Ignition	IS 4032
79	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Magnesium oxide (MgO)	IS 4032
80	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Manganese oxide (MnO)	IS 4032
81	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Sulphate (SO <sub>3</sub> )	IS 4032
82	CHEMICAL- BUILDING MATERIAL	Ultrafine Ground Granulated Blast furnace Slag	Sulphide Sulphur	IS 4032
83	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Chromium	ASTM E 415
84	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Manganese	ASTM E 415
85	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Molybdenum	ASTM E 415
86	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Nickel	ASTM E 415
87	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Carbon	ASTM E 415
88	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Copper	ASTM E 415
89	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Phosphorous	ASTM E 415
90	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Silicon	ASTM E 415



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91	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Sulphur	ASTM E 415
92	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Vanadium	ASTM E 415
93	CHEMICAL- WATER	Construction Water	Chlorides as Cl	IS 3025 (Pt- 32)
94	CHEMICAL- WATER	Construction Water	Inorganic solids	IS 3025 (Part 18)
95	CHEMICAL- WATER	Construction Water	Organic solids	IS 3025 (Part 18)
96	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
97	CHEMICAL- WATER	Construction Water	Sulphates as SO <sub>3</sub>	IS 3025 (Pt-24, Sec-1))
98	CHEMICAL- WATER	Construction Water	Suspended matter	IS 3025 (Part 17)
99	CHEMICAL- WATER	Construction Water	Vol of 0.02N NaOH required to neutralize 100ml sample	IS 3025 (Part 22)
100	CHEMICAL- WATER	Construction Water	Vol. of 0.02N H <sub>2</sub> SO <sub>4</sub> Required to neutralize 100ml sample using mixed indicator	IS 3025 (Part 23)
101	CHEMICAL- WATER	Construction Water	Vol. Of 0.1 N HCL required to Neutralize 200 ml sample using methyl orange as an indicator	IS 3025 (Pt-23)
102	CHEMICAL- WATER	Construction Water	Vol. Of 0.1 N NaOH required to Neutralize 200 ml of sample using phenolphthalein as an indicator	IS 3025 (Pt-22)
103	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Density	IS 516(Pt-2; Sec-1)
104	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Drying Shrinkage	IS 516 (Pt-6)
105	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Moisture Movement	IS 516 (Pt-6)
106	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Block Density In Oven Dry Condition	IS 6441(Pt-1)
107	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Compressive Strength	IS 6441(Pt-5)
108	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Dimension (Height)	IS 2185 (Pt-3)
109	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Dimension (Length)	IS 2185 (Pt-3)
110	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Dimension (Width)	IS 2185 (Pt-3)





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111	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Drying Shrinkage	IS 6441(Pt-2)
112	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Thermal Conductivity	IS 3346
113	MECHANICAL- BUILDINGS MATERIALS	Bitumen	kinematic Viscosity 135°C	IS 1206 (Pt-3)
114	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25°C	IS 1203
115	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
116	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility at 25°C(Test on residue from rolling thin film oven test)	IS 1208 (Pt-1)
117	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point (Cleveland Open Cup)	IS 1448 (Pt-69)
118	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility In Trichloroethylene	IS 1216
119	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity at 60°C	IS 1206 (Pt-2)
120	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
121	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
122	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Viscosity ratio at 60°C (Test on residue from rolling thin film oven test)	IS 1206 (Pt-2)
123	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder content	ASTM D2172
124	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow	ASTM D 6927
125	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal Stability	ASTM D 6927
126	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Mastic Hardness Number	IS 1195
127	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D2726
128	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Pt-1)



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129	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 1077
130	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 12894
131	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 1077
132	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 12894
133	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 1077
134	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 12894
135	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495(Part-3)
136	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495(Part-2)
137	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Compressive Strength	IS 4031(Pt-6)
138	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Fineness (Blain Air Permeability)	IS 4031(Pt-2)
139	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Setting Time (Final)	IS 4031(Pt-5)
140	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Setting Time (Initial)	IS 4031(Pt-5)
141	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Soundness ( Auto Clave)	IS 4031(Pt-3)
142	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Soundness (Le-Chatilier)	IS 4031(Pt-3)
143	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Specific gravity	IS 4031 (Pt-11)
144	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Standard Consistency	IS 4031(Pt-4)
145	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Strength	IS 13630 (Pt-6)
146	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Length)	IS 13630 (Pt-1)
147	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Width)	IS 13630 (Pt-1)





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148	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimensions (Thickness)	IS 13630 (Pt-1)
149	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of Rupture	IS 13630 (Pt-6)
150	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Resistance to staining of glazed tiles	IS 13630 (Pt-8)
151	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Scratch/Hardness, Mohs Scale	IS 13630 (Pt-1)
152	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Surface Quality	IS 13630 (Pt-1)
153	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Pt-2)
154	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	10 % Fine Value	IS 2386 (Pt-4)
155	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Abrasion Value	IS 2386 (Pt-4)
156	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Bulk density	IS 2386(Pt-3)
157	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Combined Flakiness & Elongation Index	Mech/Aggregate/04 issue no.01
158	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Crushing Value	IS 2386(Pt-4)
159	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Elongation Index	IS 2386(Pt-1)
160	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Flakiness Index	IS 2386(Pt-1)



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161	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Impact Value	IS 2386(Pt-4)
162	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Material finer than 75 $\mu$	IS 2386(Pt-1)
163	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Specific Gravity	IS 2386(Pt-3)
164	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Stripping value	IS 6241
165	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Surface Moisture	IS 2386(Pt-3)
166	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Total Deleterious Materials	IS 2386 (Pt-2)
167	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Water Absorption	IS 2386(Pt-3)
168	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Concrete/Bassalt/GSB/WMM/WBM/BM/DBM/BC/Close graded premix/Surface Dressing /Open graded premix/Seal coat/Micro Surfacing/Mastic Asphalt)	Sieve Analysis	IS 2386(Pt-1)
169	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Abrasion Resistance	IS 15658 (Annx-E)
170	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Compressive Strength	IS 15658 (Annx-D)
171	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Flexural Strength	IS 15658 (Annx-G)
172	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Length	IS 15658
173	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Tensile Splitting Strength	IS 15658 (Annx-F)



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174	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Thickness	IS 15658
175	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Thickness of wearing layer	IS 15658
176	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Water Absorption	IS 15658 (Annx-C)
177	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Width	IS 15658
178	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Natural sand/Crushed sand/Manufacture sand /Concrete/GSB/WMM/WBM/BM/DBM/BC /Close graded premix/Surface Dressing/Open graded premix/Seal coat/Micro Surfacing)	Total Deleterious Materials	IS 2386(Pt-2)
179	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Natural sand/Crushed sand/Manufacture sand/Concrete/GSB/WMM/WBM/BM/DBM/BC /Close graded premix/Surface Dressing/Open graded premix/Seal coat/Micro Surfacing)	Bulk density	IS 2386(Pt-3)
180	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Natural sand/Crushed sand/Manufacture sand/Concrete/GSB/WMM/WBM/BM/DBM/BC /Close graded premix/Surface Dressing/Open graded premix/Seal coat/Micro Surfacing)	Determination of Clay, Fine Silt and Fine Dust (Sedimentation Method)	IS 2386(Pt-2)
181	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Natural sand/Crushed sand/Manufacture sand/Concrete/GSB/WMM/WBM/BM/DBM/BC /Close graded premix/Surface Dressing/Open graded premix/Seal coat/Micro Surfacing)	Material Finer than 75 Micron IS Sieve	IS 2386(Pt-1)
182	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Natural sand/Crushed sand/Manufacture sand/Concrete/GSB/WMM/WBM/BM/DBM/BC /Close graded premix/Surface Dressing/Open graded premix/Seal coat/Micro Surfacing)	Sand Equivalent Value	IS 2720(Pt-37)
183	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Natural sand/Crushed sand/Manufacture sand/Concrete/GSB/WMM/WBM/BM/DBM/BC /Close graded premix/Surface Dressing/Open graded premix/Seal coat/Micro Surfacing)	Specific Gravity	IS 2386(Pt-3)
184	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Natural sand/Crushed sand/Manufacture sand/Concrete/GSB/WMM/WBM/BM/DBM/BC /Close graded premix/Surface Dressing/Open graded premix/Seal coat/Micro Surfacing)	Water Absorption	IS 2386(Pt-3)
185	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Natural sand/Crushed sand/Manufacture sand/Concrete/GSB/WMM/WBM/BM/DBM/BC /Close graded premix/Surface Dressing/Open graded premix/Seal coat/Micro Surfacing)	Sieve Analysis	IS 2386(Pt-1)





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186	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Natural sand/Crushed sand/Manufacture sand/Concrete/GSB/WMM/WBM/BM/DBM/BC /Close graded premix/Surface Dressing/Open graded premix/Seal coat/Micro Surfacing)	Organic Impurities	IS 2386 (Pt-2)
187	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blastfurnace Slag	Fineness (By Blaine's permeability Method)	IS 4031(Pt-2)
188	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blastfurnace Slag	Slag Activity Index	IS 4031 (Pt-6)
189	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Accelerated Curing Test	IS 9013
190	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516
191	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516 (Part-1, Sec 1)
192	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Concrete Core	IS 516 (Part 4)
193	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Depth of Water Penetration Under Pressure	IS 516 ( Part 2 ,Sec 1)
194	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	IS 516 (Part-1; Sec 1)
195	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Split Tensile test	IS 516 (Part-1; Sec 1)
196	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Water Permeability Test	DIN 1048 (Pt-5)
197	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Water Permeability Test	IRS CBC
198	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Block Density	IS 2185 (Pt-1) (Annx-C)
199	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Pt-1) (Annx-D)
200	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Height)	IS 2185 (Pt-1)
201	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Length)	IS 2185 (Pt-1)
202	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Width)	IS 2185 (Pt-1)
203	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Drying Shrinkage	IS 2185 (Pt-1) (Annx-F)



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204	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Moisture Movement	IS 2185 (Pt-1) (Annx-G)
205	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (Pt-1) (Annx-E)
206	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials (As Pozzolana / As Admixture /Silica Fumes)	Compressive Strength	IS 1727
207	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials (As Pozzolana / As Admixture /Silica Fumes)	Fineness by Blain permeability apparatus	IS 1727
208	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials (As Pozzolana / As Admixture /Silica Fumes)	Lime reactivity - Avg. compressive strength	IS 1727
209	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials (As Pozzolana / As Admixture /Silica Fumes)	Particle retained on 45 micron IS Sieve	IS 1727
210	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials (As Pozzolana / As Admixture /Silica Fumes)	Soundness (By Autoclave Method)	IS 1727
211	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Dimension (Height)	IS 5758
212	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Bending Strength	IS 5758 (Annx-C)
213	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Dimension (Length)	IS 5758
214	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Dimension (Thickness)	IS 5758
215	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Water Absorption	IS 5758 (Annx-D)
216	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Couplers	Distance of fracture from coupler	IS 16172 (Annx-B)
217	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Couplers	Location of Fracture	IS 16172 (Annx.-B)
218	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Couplers	Static Tensile Test	IS 16172 (Annex B)
219	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Bend Test	IS 1599
220	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation %	IS 1608 (Pt-1)
221	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	mass/metre	IS 1786
222	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Re-bend Test	IS 1786



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223	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Tensile Strength	IS 1608 (Pt-1)
224	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress	IS 1608 Part 1
225	MECHANICAL- BUILDINGS MATERIALS	Stone	Apparent Specific Gravity	IS 1124
226	MECHANICAL- BUILDINGS MATERIALS	Stone	Compressive Strength	IS 1121 (Part-1)
227	MECHANICAL- BUILDINGS MATERIALS	Stone	Hardness (Moh Scale)	IS 13630 (Part 13)
228	MECHANICAL- BUILDINGS MATERIALS	Stone	Moisture content	IS 13030
229	MECHANICAL- BUILDINGS MATERIALS	Stone	Porosity	IS 1124
230	MECHANICAL- BUILDINGS MATERIALS	Stone	Resistance to wear by Abrasion	IS 1706
231	MECHANICAL- BUILDINGS MATERIALS	Stone	True Specific Gravity	IS 1122
232	MECHANICAL- BUILDINGS MATERIALS	Stone	Water Absorption	IS 1124
233	MECHANICAL- BUILDINGS MATERIALS	Structural Steel	Bend Test	IS 1599
234	MECHANICAL- BUILDINGS MATERIALS	Structural Steel	Elongation %	IS 1608 (Pt-1)
235	MECHANICAL- BUILDINGS MATERIALS	Structural Steel	Tensile Strength	IS 1608 (Pt-1)
236	MECHANICAL- BUILDINGS MATERIALS	Structural Steel	Yield Stress	IS 1608 (Pt-1)
237	MECHANICAL- BUILDINGS MATERIALS	Tubes & Pipes	Tensile Strength	IS 1608 (Pt-1)
238	MECHANICAL- BUILDINGS MATERIALS	Tubes & Pipes	Bend Test	IS 1599
239	MECHANICAL- BUILDINGS MATERIALS	Tubes & Pipes	Elongation	IS 1608 (Pt-1)
240	MECHANICAL- BUILDINGS MATERIALS	Tubes & Pipes	Flattening Test	IS 1239(Pt-1)
241	MECHANICAL- BUILDINGS MATERIALS	Tubes & Pipes	Yield Stress	IS 1608 (Pt-1)





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242	MECHANICAL- SOIL AND ROCK	Pile Load Test (Vertical Load)	Pile Load Test (Vertical Load)	IS 2911 (Pt-4)
243	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Angle of Internal Friction using Direct Shear Test (DUU)	IS 2720 (Pt-13)
244	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	California Bearing Ratio	IS 2720 (Part 16)
245	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Cohesion using Direct Shear Test (DUU)	IS 2720 (Part 13)
246	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Dry Density using Heavy compaction	IS 2720 (Part-8)
247	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Dry Density using Light compaction	IS 2720 (Part-7)
248	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Free Swell Index	IS 2720 (Part 40)
249	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Grain size analysis (Hydrometer method)	IS 2720 (Pt-4)
250	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Liquid Limit	IS 2720 (Part 5)
251	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Plastic limit	IS 2720 (Part 5)
252	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Plasticity Index	IS 2720 (Pt-5)
253	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Shrinkage Limit	IS 2720 (Pt-6)
254	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Specific Gravity	IS 2720 (Part 3 /Sec I and II)
255	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Water content (Oven dry method)	IS 2720(Pt-2)



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256	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Water content using Heavy compaction	IS 2720 (Part-8)
257	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Water content using Light compaction	IS 2720 (Part-7)
258	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Sieve Analysis by Dry Sieving	IS 2720 (Part 4)
259	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Sieve Analysis by Wet Sieving	IS 2720 (Part 4)
260	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Free Swell Index	IS 2720 (Pt-40)
261	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Free Swell Index	IS 2720 (Pt-40)
262	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Liquid Limit	IS 2720 (Pt-5)
263	MECHANICAL- SOIL AND ROCK	Soil (Natural Soil/Fly Ash for Road Work/GSB/LTSB/CTSB/WBM/CCCSB/WMM /Blanketing Material/Filler Material)	Plasticity Index	IS 2720 (Pt-5)



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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Pile Load Test ( Lateral Load)	Pile Load Test ( Lateral Load)	IS 2911 (Pt-4)
2	MECHANICAL- SOIL AND ROCK	Pile Load Test (Pull Out Test)	Pile Load Test (Pull Out Test)	IS 2911
3	MECHANICAL- SOIL AND ROCK	Pile Load Test (Vertical Load)	Pile Load Test (Vertical Load)	IS 2911 (Pt-4)
4	MECHANICAL- SOIL AND ROCK	Plate Load Test	Plate Load Test	IS 1888
5	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Bridges & Spans	Span Load Test	IRC:SP:51
6	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete pile	High-Strain Dynamic Testing of Deep Foundations	ASTM D 4945
7	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Pile	Ultrasonic Cross holeTesting	ASTM D6760
8	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Pile (upto 55 m)	Low strain Pile Integrity test	ASTM D 5882
9	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Cover Meter Test	BS 1881-204
10	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Determination of Crack Depth using UPV Tester	IS 516 ( Pt- 5, Sec-1)
11	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity Tests	IS 516 (Pt-5,Sec-1)
12	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete structures	Rebound Hammer Test	IS 516 (Pt-5, Sec 4)