National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 1 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Ion Content	IS 9103
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Bitumen	Soluble in Trichloroethylene	IS 1216
7	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Soluble in Trichloroethylene	IS 1216
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Aluminium as Al2O3	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Calcium as CaO	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Chloride	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Insoluble Residue	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Iron as Fe2O3	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Loss on Ignition	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Magnesia as MgO	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Silica as SiO2	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Sulphuric Anhydride as SO3	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Coarse Aggregates	Alkali Reactivity	IS 2386 (Part 7)
18	CHEMICAL- BUILDING MATERIAL	Coarse Aggregates	Soluble Chloride as Cl	BS 812 (Part 117)

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 2 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
19	CHEMICAL- BUILDING MATERIAL	Coarse Aggregates	Sulphate as SO3	BS 812 (Part 118)
20	CHEMICAL- BUILDING MATERIAL	Fine Aggregates	Alkali Reactivity	IS 2386 (Part 7)
21	CHEMICAL- BUILDING MATERIAL	Fly Ash	Aluminum Oxide Al2O3	IS 1727
22	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide CaO	IS 1727
23	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chlorides as Cl	IS 4032
24	CHEMICAL- BUILDING MATERIAL	Fly Ash	Ferric Oxide Fe2O3	IS 1727
25	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS 1727
26	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesium Oxide MgO	IS 1727
27	CHEMICAL- BUILDING MATERIAL	Fly Ash	Reactive Silica	IS 3812 (Part 1)
28	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silicon Dioxide SiO2	IS 1727
29	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphate as SO3	IS 1727
30	CHEMICAL- BUILDING MATERIAL	Mortar/ Hardened Concrete	Chloride	BS 1881 (Part 124)
31	CHEMICAL- BUILDING MATERIAL	Mortar/ Hardened Concrete	Ratio of Ingredient	ASTM C1084
32	CHEMICAL- BUILDING MATERIAL	Mortar/ Hardened Concrete	Sulphate	BS 1881 (Part 124)
33	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Barbed Wire/ Fencing Wire	Mass of Zinc Coating	IS 4826
34	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Low Alloy Steel (Reinforcement Steel Bar/ MBCB/ Structural Steel)	Mass of Zinc Coating	IS 6745
35	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Reinforcement Steel Bar/ MBCB/ Structural Steel)	Carbon	IS 228 (Part 1)
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Reinforcement Steel Bar/ MBCB/ Structural Steel)	Manganese	IS 228 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 3 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
37	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Reinforcement Steel Bar/ MBCB/ Structural Steel)	Phosphorous	IS 228 (Part 3)
38	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Reinforcement Steel Bar/ MBCB/ Structural Steel)	Silicon	IS 228 (Part 8)
39	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Reinforcement Steel Bar/ MBCB/ Structural Steel)	Sulphur	IS 228 (Part 9)
40	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part 24)
41	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 32)
42	CHEMICAL- WATER	Drinking Water	Color	IS 3025 (Part 4)
43	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 (Part 46)
44	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025 (Part 11)
45	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS 3025 (Part 26)
46	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24)
47	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS 3025 (Part 23)
48	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
49	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part 21)
50	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
51	CHEMICAL- WATER	Water for Construction Purpose	Chloride	IS 3025 (Part 32)
52	CHEMICAL- WATER	Water for Construction Purpose	Inorganic Solids	IS 3025 (Part 18)
53	CHEMICAL- WATER	Water for Construction Purpose	Limits of Acidity	IS 3025 (Part 22)
54	CHEMICAL- WATER	Water for Construction Purpose	Limits of Alkalinity	IS 3025 (Part 23)
55	CHEMICAL- WATER	Water for Construction Purpose	Organic Solids	IS 3025 (Part 18)
56	CHEMICAL- WATER	Water for Construction Purpose	pH Value	IS 3025 (Part 11)
57	CHEMICAL- WATER	Water for Construction Purpose	Sulphate	IS 3025 (Part 24)
58	CHEMICAL- WATER	Water for Construction Purpose	Total Suspended Matter	IS 3025 (Part 17)
59	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Block Density	IS 6441 (Part 1)
60	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441 (Part 5)
61	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension (Length)	IS 2185 (Part 3)
62	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension (Thickness)	IS 2185 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name :	UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10987	**Page No**	4 of 15
Validity	15/09/2022 to 14/09/2024	**Last Amended on**	09/05/2023

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
63	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension (Width)	IS 2185 (Part 3)
64	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Drying Shrinkage	IS 6441 (Part 2)
65	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity at 60 °C	IS 1206 (Part 2)
66	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
67	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
68	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
69	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity at 135 °C	IS 1206 (Part 3)
70	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
71	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
72	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coagulation of Emulsion at Low Temperature	IS 8887
73	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability and Water Resistance	IS 8887
74	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Ductility	IS 1208
75	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility with Water	IS 8887
76	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Penetration	IS 1203
77	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Evaporation	IS 8887
78	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 micron Sieve	IS 8887
79	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to Mixing with Cement	IS 8887
80	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability after 24 Hours	IS 8887
81	MECHANICAL- BUILDINGS MATERIALS	Bituminous Job Mix (BM/DBM/BC)	Marshall Stability	ASTM D6927

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 5 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
82	MECHANICAL- BUILDINGS MATERIALS	Bituminous Job Mix (BM/DBM/BC)	Binder Content	IRC SP-11
83	MECHANICAL- BUILDINGS MATERIALS	Bituminous Job Mix (BM/DBM/BC)	Density	ASTM D2726
84	MECHANICAL- BUILDINGS MATERIALS	Bituminous Job Mix (BM/DBM/BC)	Flow Value	ASTM D6927
85	MECHANICAL- BUILDINGS MATERIALS	Bituminous Job Mix (BM/DBM/BC)	Stripping Value of Aggregate	IS 6241
86	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/DBM/BC)	Mastic Hardness Number	IS 1195
87	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension (Height)	IS 1077
88	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension (Length)	IS 1077
89	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension (Width)	IS 1077
90	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/ Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
91	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/ Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
92	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/ Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
93	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
94	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
95	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
96	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness, Specific Surface Area (By Blaine Method)	IS 4031 (Part 2)
97	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Autoclave	IS 4031 (Part 3)
98	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier	IS 4031 (Part 3)
99	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Specific Gravity	IS 4031 (Part 11)
100	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4)

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 6 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
101	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension (Thickness)	IS 1237
102	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension (Thickness)	IS 13801
103	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension (Width)	IS 1237
104	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimension (Width)	IS 13801
105	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Finish	IS 1237
106	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Finish	IS 13801
107	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Flatness	IS 1237
108	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Flatness	IS 13801
109	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Perpendicularity	IS 1237
110	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Perpendicularity	IS 13801
111	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Resistance to Wear	IS 1237
112	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Resistance to Wear	IS 13801
113	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Straightness	IS 1237
114	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Thickness of Wearing Layer	IS 1237
115	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Thickness of Wearing Layer	IS 13801
116	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Water Absorption	IS 1237
117	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Water Absorption	IS 13801
118	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles Straightness	Straightness	IS 13801
119	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Chemical Resistance	IS 13630 (Part 7)

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 7 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
120	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Crazing Resistance	IS 13630 (Part 9)
121	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Length)	IS 13630 (Part 1)
122	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Thickness)	IS 13630 (Part 1)
123	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Width)	IS 13630 (Part 1)
124	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Hardness (Mohs)	IS 13630 (Part 13)
125	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Resistance to Staining	IS 13630 (Part 8)
126	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Surface Quality	IS 13630 (Part 1)
127	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Thermal Shock Resistance	IS 13630 (Part 5)
128	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
129	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10 % Fines Value	IS 2386 (Part 4)
130	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Impact Value	IS 2386 (Part 4)
131	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
132	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Clay & Lumps	IS 2386 (Part 2)
133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Coal & Lignite	IS 2386 (Part 2)
134	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
135	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
136	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Finer than 75 micron	IS 2386 (Part 1)
137	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
138	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles Abrasion Value	IS 2386 (Part 4)

SCOPE OF ACCREDITATION

Laboratory Name :	UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10987	**Page No**	8 of 15
Validity	15/09/2022 to 14/09/2024	**Last Amended on**	09/05/2023

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
139	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve Size: 80 mm, 63 mm, 40 mm, 20 mm, 16 mm, 12.5 mm, 10 mm, 4.75 mm, 2.36 mm)	IS 2386 (Part 1)
140	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness as MgSO4	IS 2386 (Part 5)
141	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness as Na2SO4	IS 2386 (Part 5)
142	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
143	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
144	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
145	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
146	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Coal & Lignite	IS 2386 (Part 2)
147	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Finer than 75 micron	IS 2386 (Part 1)
148	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS 2386 (Part 2)
149	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sand Equivalent Value	IS 2720 (Part 37)
150	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (Sieve Size: 10 mm, 4.75 mm, 2.36 mm, 1.18 mm, 0.600 mm, 0.300 mm, 0.150 mm)	IS 2386 (Part 1)
151	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt Content	IS 2386 (Part 2)
152	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness as MgSO4	IS 2386 (Part 5)
153	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness as Na2SO4	IS 2386 (Part 5)
154	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
155	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 9 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
156	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension (Height)	IS 13757
157	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension (Length)	IS 13757
158	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension (Width)	IS 13757
159	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete/ Concrete Mix	Slump	IS 1199 (Part 2)
160	MECHANICAL- BUILDINGS MATERIALS	GSB/ WMM	Gradation	IS 2386 (Part 1)
161	MECHANICAL- BUILDINGS MATERIALS	GSB/ WMM	Impact Value	IS 2386 (Part 4)
162	MECHANICAL- BUILDINGS MATERIALS	GSB/ WMM	Los Angeles Abrasion Value	IS 2386 (Part 4)
163	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Beam	Flexural Strength	IS 516 (Part 1, Section 1)
164	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube/ Concrete Mix	Compressive Strength	IS 516 (Part 1, Section 1)
165	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube/ Concrete Mix	Density	IS 1199 (Part 3)
166	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete/ Fresh Concrete/ Concrete Mix	Split Tensile Strength	IS 516 (Part 1, Section 1)
167	MECHANICAL- BUILDINGS MATERIALS	Paver Block/ Interlocking Block	Abrasion Resistance (Dry Condition)	IS 15658
168	MECHANICAL- BUILDINGS MATERIALS	Paver Block/ Interlocking Block	Abrasion Resistance (Wet Condition)	IS 15658
169	MECHANICAL- BUILDINGS MATERIALS	Paver Block/ Interlocking Block	Compressive Strength	IS 15658
170	MECHANICAL- BUILDINGS MATERIALS	Paver Block/ Interlocking Block	Dimension (Length)	IS 15658
171	MECHANICAL- BUILDINGS MATERIALS	Paver Block/ Interlocking Block	Dimension (Thickness)	IS 15658
172	MECHANICAL- BUILDINGS MATERIALS	Paver Block/ Interlocking Block	Dimension (Width)	IS 15658
173	MECHANICAL- BUILDINGS MATERIALS	Paver Block/ Interlocking Block	Flexural Strength Breaking Load	IS 15658
174	MECHANICAL- BUILDINGS MATERIALS	Paver Block/ Interlocking Block	Thickness of Wearing Layer	IS 15658

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 10 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
175	MECHANICAL- BUILDINGS MATERIALS	Paver Block/ Interlocking Block	Water Absorption	IS 15658
176	MECHANICAL- BUILDINGS MATERIALS	Stone Granite/ Marble	Compressive Strength	IS 1121 (Part 1)
177	MECHANICAL- BUILDINGS MATERIALS	Stone Granite/ Marble	Dimension (Length)	IS 1130
178	MECHANICAL- BUILDINGS MATERIALS	Stone Granite/ Marble	Dimension (Thickness)	IS 1130
179	MECHANICAL- BUILDINGS MATERIALS	Stone Granite/ Marble	Dimension (Width)	IS 1130
180	MECHANICAL- BUILDINGS MATERIALS	Stone Granite/ Marble	Durability	IS 1126
181	MECHANICAL- BUILDINGS MATERIALS	Stone Granite/ Marble	Hardness (Mohs)	IS 13630 (Part 13)
182	MECHANICAL- BUILDINGS MATERIALS	Stone Granite/ Marble	Specific Gravity	IS 1124
183	MECHANICAL- BUILDINGS MATERIALS	Stone Granite/ Marble	Water Absorption	IS 1124
184	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Barbed Wire/ Fencing Wire	Diameter	IS 278
185	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Barbed Wire/ Fencing Wire	Mass of Wire	IS 278
186	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials & Alloys Products Structural Steel	Mass	IS 808
187	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials & Alloys Products Structural Steel	Re-bend Test	IS 1786
188	MECHANICAL- MECHANICAL PROPERTIES OF METALS	G.I Pipe	Bend Test	IS : 2329
189	MECHANICAL- MECHANICAL PROPERTIES OF METALS	G.I Pipe	Hydrostatic Pressure Test	IS : 1239 (PT-1)
190	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MBCB/ Ferrous Materials & Alloys Products Structural Steel	% Elongation at Break	IS 1608 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 11 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MBCB/ Ferrous Materials & Alloys Products Structural Steel	Bend Test	IS 1599
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MBCB/ Ferrous Materials & Alloys Products Structural Steel	Rockwell Hardness	IS 1586 (Part 1)
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MBCB/ Ferrous Materials & Alloys Products Structural Steel	Rockwell Hardness	IS 1586 (Part 1)
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MBCB/ Ferrous Materials & Alloys Products Structural Steel	Tensile Strength	IS 1608 (Part 1)
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MBCB/ Ferrous Materials & Alloys Products Structural Steel	Yield Stress	IS 1608 (Part 1)
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube/ G.I. Pipe/ M.S. Pipe	% Elongation at Break	IS 1608 (Part 1)
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube/ G.I. Pipe/ M.S. Pipe	Dimension	IS 1239 (Part 1)
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube/ G.I. Pipe/ M.S. Pipe	Flattening Test above 50 mm Diameter	IS 2328
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube/ G.I. Pipe/ M.S. Pipe	Mass	IS 1239 (Part 1)
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube/ G.I. Pipe/ M.S. Pipe	Tensile Strength	IS 1608 (Part 1)
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube/ G.I. Pipe/ M.S. Pipe	Yield Stress	IS 1608 (Part 1)
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	% Elongation at Break	IS 1608 (Part 1)
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Bend Test	IS 1599
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Mass per meter	IS 1786

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 12 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
205	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Re-bend Test	IS 1786
206	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Ultimate Tensile Strength	IS 1608 (Part 1)
207	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Yield Stress	IS 1608 (Part 1)
208	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Dry Sieve (150 micron)	IS 6186
209	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Dry Sieve (75 micron)	IS 6186
210	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Wet Sieve (150 micron)	IS 6186
211	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Wet Sieve (45 micron)	IS 6186
212	MECHANICAL- SOIL AND ROCK	Bentonite	Gel Formation Index	IS 6186, A-5
213	MECHANICAL- SOIL AND ROCK	Bentonite	Marsh Cone Viscosity	ASTM D6910
214	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
215	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
216	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling Index	IS 6186
217	MECHANICAL- SOIL AND ROCK	GSB/ WMM	CBR Value	IS 2720 (Part 16)
218	MECHANICAL- SOIL AND ROCK	GSB/ WMM	Liquid Limit	IS 2720 (Part 5)
219	MECHANICAL- SOIL AND ROCK	GSB/ WMM	Maximum Dry Density (MDD)	IS 2720 (Part 8)
220	MECHANICAL- SOIL AND ROCK	GSB/ WMM	Optimum Moisture Content (OMC)	IS 2720 (Part 8)
221	MECHANICAL- SOIL AND ROCK	GSB/ WMM	Plastic Limit	IS 2720 (Part 5)
222	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 13 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
223	MECHANICAL- SOIL AND ROCK	Rock	Point Load Test	IS 8764
224	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
225	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
226	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
227	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (C.B.R.)	IS 2720 (Part 16)
228	MECHANICAL- SOIL AND ROCK	Soil	Coefficient of Consolidation	IS 2720 (Part 15)
229	MECHANICAL- SOIL AND ROCK	Soil	Compression Index	IS 2720 (Part 15)
230	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Internal Friction, Phi)	IS 2720 (Part 13)
231	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion Intercept, C Value)	IS 2720 (Part 13)
232	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
233	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (4.75 mm, 2.0 mm, 0.425 mm, 0.075 mm)	IS 2720 (Part 4)
234	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
235	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
236	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
237	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
238	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
239	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
240	MECHANICAL- SOIL AND ROCK	Soil	Permeability Test	IS 2720 (Part 17)
241	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 14 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
242	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
243	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (Angle of Internal Friction, Phi)	IS 2720 (Part 11 & 12)
244	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test Cohesion Intercept, C Value	IS 2720 (Part 11 & 12)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : UTTARAKHAND MATERIAL TESTING LABORATORY, BHATT COMPLEX, KAMALUAGANJA ROAD, HALDWANI, NAINITAL, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10987 **Page No** 15 of 15

Validity 15/09/2022 to 14/09/2024 **Last Amended on** 09/05/2023

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
Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Bridge Load Test	IRC SP-51
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Carbonation Test	IS 516 (Part 5, Section 3)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell Potential Test	IS 516 (Part 5, Section 2)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Pile Integrity Test	ASTM D5882
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer Test	IS 516 (Part 5, Section 4)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test (UPV)	IS 516 (Part 5, Section 1)