National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9140 **Page No** 1 of 22

Validity 03/12/2022 to 02/12/2024 **Last Amended on** 18/05/2023

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	Cement (OPC / PPC)	Alkali Content as K2O	ASTM C311
2	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Alkali Content as K2O	IS-4032
3	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Alkali Content as Na2O	ASTM C311
4	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Alkali Content as Na2O	IS-4032
5	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Alumina	ASTM-C-114
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Alumina	IS-4032
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Calcium Oxide	ASTM-C-114
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Calcium Oxide	IS-4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Chloride Content	ASTM-C-114
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Chloride Content	IS-4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Ferric Oxide	ASTM-C-114
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Ferric Oxide	IS-4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Insoluble Residue	ASTM-C-114
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Insoluble Residue	IS-4032
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Loss on Ignition	ASTM-C-114
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Loss on Ignition	IS-4032
17	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Magnesia Oxide	ASTM-C-114
18	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Magnesia Oxide	IS-4032

SCOPE OF ACCREDITATION

Laboratory Name : ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9140 **Page No** 2 of 22

Validity 03/12/2022 to 02/12/2024 **Last Amended on** 18/05/2023

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	Cement (OPC / PPC)	Silica	ASTM-C-114
20	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	SIlica	IS-4032
21	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Sulphuric Anhydride	ASTM-C-114
22	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Sulphuric Anhydride	IS-4032
23	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity - Dissolved Silica	ASTM-C-289
24	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity - Dissolved Silica	IS-2386 Part 7
25	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity - Reduction in Alkali	ASTM-C-289
26	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity - Reduction in Alkali	IS 2386 Part 7
27	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Organic Impurities	IS-2386 Part 2
28	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Sulphate	BSEN1744 Part 1
29	CHEMICAL- BUILDING MATERIAL	Coarse Aggrgeate	Chloride	IS-14959 Part 1
30	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity - Dissolved Silica	ASTM-C-289
31	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity - Dissolved Silica	IS-2386 Part-7
32	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity - Reduction in Alkali	ASTM-C-289
33	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity - Reduction in Alkali	IS-2386 Part-7
34	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impurities	IS-2386 Part-2
35	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impuruties	ASTM-C-40
36	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Sulphate	BSEN1744 Part-1
37	CHEMICAL- BUILDING MATERIAL	Fine Aggretae	Chloride	IS-14959 Part-1

SCOPE OF ACCREDITATION

Laboratory Name : ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9140 **Page No** 3 of 22

Validity 03/12/2022 to 02/12/2024 **Last Amended on** 18/05/2023

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
38	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkali	ASTM-C-114
39	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkali	IS-4032
40	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide	ASTM-C-114
41	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide	IS-1727
42	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride	IS-4032
43	CHEMICAL- BUILDING MATERIAL	Fly Ash	Combined Ferric Oxide and Alumina	ASTM-C-311
44	CHEMICAL- BUILDING MATERIAL	Fly Ash	Combined Ferric Oxide and Alumina	IS-1727
45	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	ASTM-C-311
46	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS-1727
47	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia	ASTM-C-311
48	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia	IS-1727
49	CHEMICAL- BUILDING MATERIAL	Fly Ash	Moisture Content	ASTM-C-114
50	CHEMICAL- BUILDING MATERIAL	Fly ash	Moisture Content	IS-3812 Part-1
51	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica	ASTM-C-311
52	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica	IS-1727
53	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride	IS-1727
54	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhyride	ASTM-C-114
55	CHEMICAL- BUILDING MATERIAL	Gypsum	Calcium Oxide	IS-1288
56	CHEMICAL- BUILDING MATERIAL	Gypsum	Combined Water	IS-1288

SCOPE OF ACCREDITATION

Laboratory Name : ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9140 **Page No** 4 of 22

Validity 03/12/2022 to 02/12/2024 **Last Amended on** 18/05/2023

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
57	CHEMICAL- BUILDING MATERIAL	Gypsum	Free Lime	IS-2547 Part-1
58	CHEMICAL- BUILDING MATERIAL	Gypsum	Loss on Ignition	IS-2547 Part-1
59	CHEMICAL- BUILDING MATERIAL	Gypsum	Silica and Acid insoluble	IS-1288
60	CHEMICAL- BUILDING MATERIAL	Gypsum	Sulphur Trioxide	IS-1288
61	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Acid Soluble Chloride	BS-1881 Part-124
62	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Acid Soluble Sulphate	BS-1881 Part-124
63	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Ratio Analysis for Determination of Calcium Oxide and Silica (% by mass)	ASTM C1084
64	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Ratio Analysis for Determination of Calcium Oxide and Silica (% by mass)	IS-516 Part-11
65	CHEMICAL- METALS & ALLOYS	Reinforcement Steel Bars	Carbon	IS-228 Part-1
66	CHEMICAL- METALS & ALLOYS	Reinforcement Steel Bars	Manganese	IS-228 Part-2
67	CHEMICAL- METALS & ALLOYS	Reinforcement Steel Bars	Phosphorous	IS-228 Part-3
68	CHEMICAL- METALS & ALLOYS	Reinforcement Steel Bars	Silicon	IS-228 Part-8
69	CHEMICAL- METALS & ALLOYS	Reinforcement Steel Bars	Sulphur	IS-228 Part-9
70	CHEMICAL- METALS & ALLOYS	Structural Steel	Carbon	IS-228 Part-1
71	CHEMICAL- METALS & ALLOYS	Structural Steel	Manganese	IS-228 Part-2
72	CHEMICAL- METALS & ALLOYS	Structural Steel	Phosphorous	IS-228 Part-3
73	CHEMICAL- METALS & ALLOYS	Structural Steel	Silicon	IS-228 Part-8
74	CHEMICAL- METALS & ALLOYS	Structural Steel	Sulphur	IS-228 Part-9

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	5 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
75	CHEMICAL- SOIL AND ROCK	Soil	Chloride (Acid soluble)	BS-1377 Part-3
76	CHEMICAL- SOIL AND ROCK	Soil	Chloride (Water soluble)	BS-1377 Part-3
77	CHEMICAL- SOIL AND ROCK	Soil	pH value	IS-2720 Part-26
78	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate	IS-2720 Part-27
79	CHEMICAL- WATER	Construction Water	Acidity	IS-3025 Part-22
80	CHEMICAL- WATER	Construction Water	Alkalinity	IS-3025 Part-23
81	CHEMICAL- WATER	Construction Water	Inorganic Impurities (Fixed Solids)	IS-3025 Part-18
82	CHEMICAL- WATER	Construction Water	Organic Impurities (Volatile Solids)	IS-3025 Part-19
83	CHEMICAL- WATER	Construction Water	pH	IS-3025 Part-11
84	CHEMICAL- WATER	Construction Water	Sulphate (SO3)	IS-3025 Part-24 Section-1
85	CHEMICAL- WATER	Construction Water	Suspended Solids	IS-3025 Part-17
86	CHEMICAL- WATER	Construction Water ml	Chloride Content	IS-3025 Part-32
87	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Bulk Density	IS-6441 Part-1
88	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compressive Strength	IS-6441 Part-5
89	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimensions: Height	IS-2185 Part-3
90	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimensions: Length	IS-2185 Part-3
91	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimensions: width	IS-2185 Part-3
92	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Drying Shrinkage	IS-6441 Part-2
93	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Moisture Content	IS-6441 Part-1
94	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Thermal Conductivity	IS-3346
95	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity @ 60°C	IS-1206 Part-2

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	6 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
96	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Bitumen Content	ASTM D 2172
97	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
98	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Elastic Recovery	IS-15462
99	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS-1209
100	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
101	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Industrial Viscosity @ 60°C	IS-1206
102	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity @135 °C	IS-1206 Part-3
103	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS-1212
104	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Marshal Stability	ASTM D 6927
105	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
106	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
107	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in TriChloroEthane	IS-1216
108	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS-1202
109	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bitumen Content	ASTM-D-2172
110	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bitumen Content	SP-11
111	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM-D-2726
112	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow	ASTM-D-6927
113	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Indirect Tensile Strength	ASTM D6931

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	7 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
114	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Job Mix Formula for Determination of Marshall Stability, Marshall Flow, Binder Content and Density	MORTH
115	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM-D-6927
116	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Retained Tensile Strength	ASTM D6931
117	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Stripping Value	IS 6241
118	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Tensile Strength Ratio	AASHTO T283
119	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Compressive Strength	IS 3495 Part-1
120	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension: Length	IS 1077
121	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension: Width	IS 1077
122	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions: Height	IS-1077
123	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Efflorescence	IS 3495 Part: 3
124	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Water Absorption	IS 3495 Part-2
125	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part: 11)
126	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Compressive Strength	ASTM-C-109
127	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Consistency	ASTM C187
128	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Consistency	IS 4031 Part-4
129	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Density	ASTM C188
130	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Density	IS-4031 Part-11
131	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Drying Shrinkage	ASTM C157

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-9140
Page No	8 of 22
Validity	03/12/2022 to 02/12/2024
Last Amended on	18/05/2023

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
132	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Drying Shrinkage	IS 4031 (Part: 10)
133	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Final Setting Time	ASTM C191
134	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Final setting time	IS 4031 (Part: 5)
135	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Fineness by Blaine air permeability	ASTM-C-204
136	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Finesses By Blaine air permeability	IS 4031 (Part-2)
137	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Initial Setting Time	ASTM C191
138	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Initial Setting Time	IS 4031 (Part: 5)
139	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Soundness by Autoclave	ASTM C151
140	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Soundness By Autoclave	IS 4031 (Part: 3)
141	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Soundness by Lechatellier	IS 4031 (Part: 3)
142	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 Part-6
143	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Dimensions: Length	IS-1237
144	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Dimensions: Thickness	IS-1237
145	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Dimensions: Width	IS-1237
146	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Flatness	IS-1237
147	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Perpendicularity	IS-1237
148	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor tiles	Straightness	IS-1237
149	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Water Absorption	IS-1237
150	MECHANICAL- BUILDINGS MATERIALS	Ceramic Glazed Tiles	Chemical Reistance	IS-13630 Part-8

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	9 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
151	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Dimensions: Length	IS-13801
152	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Dimensions: Thickness	IS-13801
153	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Dimensions: Width	IS-13801
154	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Flatness	IS-13801
155	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Perpendicularity	IS-13801
156	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Resistance to Wear	IS-13801
157	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Straightness	IS-13801
158	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Transverse Strength	IS-13801
159	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Water Absorption	IS-13801
160	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fine Value	IS 2386 Part-4
161	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	ASTM-C29
162	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 Part-3
163	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	ASTM-C-142
164	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Coal & Lignite	ASTM-C-123
165	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Coal & Lignite	IS-2386 Part-2
166	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 Part-4
167	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	BS EN933-3
168	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 Part-1
169	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Finer than 75 microns	ASTM-C-117

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	10 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
170	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Finer than 75 microns	IS-2386 Part-1
171	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	BS EN933-4
172	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 Part-1
173	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	ASTM-C-131
174	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	impact Value	IS 2386 Part-4
175	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion	ASTM-C-131
176	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Test	IS 2386 (Part:4)
177	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	ASTM-C-136
178	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 Part-1
179	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Magensium Sulphate	ASTM-C-88
180	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness By Magnesium Sulphate Solution	IS 2386 Part-5
181	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate	ASTM-C-88
182	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness By Sodium Sulphate Solution	IS 2386 Part-5
183	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	ASTM-C-29/C
184	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 Part-3
185	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 Part-3
186	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Clay Lumps	IS-2386 Part-2
187	MECHANICAL- BUILDINGS MATERIALS	Concrete Beams	Transverse Strength	IS-5758
188	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow and Solid)	Block Density	IS-2185 Part-1 (Annex. C)

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-9140
Page No	11 of 22
Validity	03/12/2022 to 02/12/2024
Last Amended on	18/05/2023

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
189	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow and Solid)	Compressive Strength	IS-2185 Part-1 (Annex. D)
190	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow and Solid)	Dimensions	IS-2185 Part-1 (Annex. B)
191	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow and Solid)	Drying Shrinkage	IS-2185 Part-1 (Annex. F)
192	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow and Solid)	Water Absorption	IS-2185 Part-1 (Annex. E)
193	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	ASTM-C-42
194	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS-516 Part-4
195	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Indirect Tensile Strength	IS-516
196	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
197	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube & Cylinder	Compressive Strength	ASTM-C-39
198	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube & Cylinder	Compressive Strength	BS-1881-116
199	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube & Cylinder	Compressive Strength	IS-516 Part-1 Section-1
200	MECHANICAL- BUILDINGS MATERIALS	Concrete Cylinder	Compressive Strength	IS-456
201	MECHANICAL- BUILDINGS MATERIALS	Concrete Cylinder	Indirect Tensile Strength	ASTM-C-496/C
202	MECHANICAL- BUILDINGS MATERIALS	Concrete Cylinder	Indirect Tensile Strength	IS-5816
203	MECHANICAL- BUILDINGS MATERIALS	Concrete Design Mix	Design Mix by Accelerated Curing	IS-9013
204	MECHANICAL- BUILDINGS MATERIALS	Concrete Design Mix	Design Mix by Normal Curing	IS-9013
205	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	ASTM-C-29/c
206	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 Part-3
207	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS-2386 Part-3

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	12 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
208	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	ASTM-C-142
209	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	IS 2386 Part-2
210	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Coal & Lignite	IS 2386 Part-2
211	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Coal and Lignite	ASTM-C-123
212	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material	IS-2386 Part-1
213	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Fineness Modulus	IS-2386 Part-1
214	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75 microns	ASTM-C-117
215	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75 µ IS sieve	IS 2386 Part-1
216	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurity	IS 2386 Part-2
217	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	ASTM-136
218	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 Part-1
219	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS-2386 Part-3
220	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Magnesium Sulphate	ASTM-C-88
221	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness By Magnesium Sulphate Solution	IS 2386 Part-5
222	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate	ASTM-C-88
223	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness By Sodium Sulphate Solution	IS 2386 Pt -5
224	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	ASTM-C-29/C
225	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 Part-3
226	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 Part-3

SCOPE OF ACCREDITATION

Laboratory Name : ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9140 **Page No** 13 of 22

Validity 03/12/2022 to 02/12/2024 **Last Amended on** 18/05/2023

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
227	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727
228	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	ASTM-C-109
229	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS-1727
230	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Density	ASTM-C-311
231	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Density	IS-1727
232	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Drying Shrinkage	ASTM-C-157
233	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Drying Shrinkage	IS-4031 Part-10
234	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by Blaine air permeability	IS 1727
235	MECHANICAL- BUILDINGS MATERIALS	FLy Ash	Fineness by Blaine's Air Permeability	ASTM-C-430
236	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	ASTM C618
237	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS-1727
238	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Material Retained on 45 microns sieve	ASTM-C-430
239	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle Retained on 45 Micron Sieve(wet sieving)	IS 1727
240	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave	ASTM-C-151
241	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave	IS-1727
242	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave	IS-4031 Part-3
243	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	ASTM C311
244	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Compressive Strength	IS-3495 Part-1
245	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension: Height	IS 12894

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	14 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
246	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension: Length	IS 12894
247	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension: Width	IS 12894
248	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Water Absorption	IS-3495 Part-2
249	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	ASTM-C-143
250	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS-1199
251	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Breaking Strength	IS-13630 Part-6
252	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Crazing Resistance	IS-13630 Part-9
253	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Dimension: Width	IS-13630 Part-1
254	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Dimensions: Length	IS-13630 Part-1
255	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Dimensions: Thickness	IS-13630 Part-1
256	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Flatness	IS-13630 Part-1
257	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Frost Resistance	IS-13630 Part-10
258	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Modulus of Rupture	IS-13630 Part-6
259	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Moisture Expansion	IS-13630 Part-3
260	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Resistance to thermal Shock	IS-13630 Part-5
261	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Scratch Hardness (Mohr's Scale)	IS-13630 Part-13
262	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Squareness	IS-13630 Part-1
263	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Surface Quality	IS-13630 Part-1
264	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Water Absorption	IS-13630 Part-2

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	15 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
265	MECHANICAL- BUILDINGS MATERIALS	GSB / WMM	Job Mix (MDD)	MORTH 5
266	MECHANICAL- BUILDINGS MATERIALS	GSB / WMM	Job Mix (OMC)	MORTH 5
267	MECHANICAL- BUILDINGS MATERIALS	GSB / WMM	Sieve Analysis	IS-2386 Part-4
268	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Compressive Strength	IS-2542 Part-1 Section-5
269	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Dry Bulk Density	IS-2542 Part-1 Section-5
270	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Freedom from Coarse Particles	IS-2542 Part-1 Section-8
271	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Normal Consistency	IS-2542 Part-1 Section-2
272	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Setting Time	IS-2542 Part-1 Section-3
273	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Compressive Strength	IS-516 Part-4
274	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Compressive Strength	IS-5758
275	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Dimensions: Height	IS-5758
276	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Dimensions: Length	IS-5758
277	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Dimensions: Width	IS-5758
278	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Transverse Strength	IS-5758
279	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Water Absorption	IS-5758
280	MECHANICAL- BUILDINGS MATERIALS	Lime Stone / Sand Stone / Kota Stone	Durability	IS-1126
281	MECHANICAL- BUILDINGS MATERIALS	Lime Stone / Sand Stone / Kota Stone	Resistance to Wear	IS-1706
282	MECHANICAL- BUILDINGS MATERIALS	Lime Stone / Sand Stone / Kota Stone	Transverse Strength	IS-1121 Part-2
283	MECHANICAL- BUILDINGS MATERIALS	Lime Stone / Sand Stone / Kota Stone	Water Absorption	IS-1124

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	16 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
284	MECHANICAL- BUILDINGS MATERIALS	Marble / Granite Stone	Apparent Porosity	IS-1124
285	MECHANICAL- BUILDINGS MATERIALS	Marble / Granite Stone	Compressive Strength	IS-1121 Part-1
286	MECHANICAL- BUILDINGS MATERIALS	Marble / Granite Stone	Mohr's Hardness	IS-13630 Part-13
287	MECHANICAL- BUILDINGS MATERIALS	Marble / Granite Stone	Specific Gravity	IS-1130
288	MECHANICAL- BUILDINGS MATERIALS	Marble / Granite Stone	Water Absorption	IS-1130
289	MECHANICAL- BUILDINGS MATERIALS	Micro Silica / Silica Fumes	Compressive Strength at 7 days	IS-1727
290	MECHANICAL- BUILDINGS MATERIALS	Micro Silica / Silica Fumes	Specific gravity	IS-1727
291	MECHANICAL- BUILDINGS MATERIALS	Micro-Silica / Silica fumes	Material retained on 45 micron sieve (Wet Sieving)	IS 1727
292	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion Resistance	IS-15658
293	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension: Height	IS 15658
294	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions: Length	IS 15658
295	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions: Width	IS 15658
296	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Thickness of Wearing Layer	IS-15658
297	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
298	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	water Absorption	IS 15658
299	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	0.2% proof stress / yield stress	IS-1608 Part-1
300	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	Bend Test	IS-1599
301	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bars	Bend Test	IS-1599
302	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	ELongation	IS-1608 Part-1

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	17 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
303	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	Mass per meter run	IS-1786
304	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	Rebend test	IS-1786
305	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bars	Rebend Test	IS-1786
306	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bars	Reduction in Area	IS-1608 Part-1
307	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	Ultimate Tensile Strength	IS-1608 Part-1
308	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tile	Chemical Resistance	IS-13630 Part-8
309	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Breaking Strength	IS-13630 Part-6
310	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Crazing Resistance	IS-13630 Part-9
311	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Dimensions: Length	IS-13630 Part-1
312	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Dimensions: Thickness	IS-13630 Part-1
313	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Dimensions: Width	IS-13630 Part-1
314	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Flatness	IS-13630 Part-1
315	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Frost Resistance	IS-13630 Part-10
316	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Modulus of Rupture	IS-13630 Part-6
317	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Moisture Expansion	IS-13630 Part-3
318	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Resistance to Thermal Shock	IS-13630 Part-5
319	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Scratch Hardness (Mohr's Scale)	IS-13630 Part-13
320	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Squareness	IS-13630 Part-1
321	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Surface Quality	IS-13630 Part-1

SCOPE OF ACCREDITATION

Laboratory Name :	ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9140	**Page No**	18 of 22
Validity	03/12/2022 to 02/12/2024	**Last Amended on**	18/05/2023

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
322	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Water Absorption	IS-13630 Part-2
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	GI Barbered wire	Dimensions: Length	IS-278
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	GI Barbered wire	Dimensions: Thickness	IS-278
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	0.2% proof stress / yield stress	IS-1608 Part-1
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Elongation	IS-1608 Part-1
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Length	IS-4923
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Mass / meter	IS-4923
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Outside Dia.	IS-4923
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Ultimate Tensile Strength	IS-1608 Part-1
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Width	IS-4923
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS / GI Barbered wire	Breaking Load	IS-1608 Part-1
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS / GI Barbered wire	Tensile Strength	IS-1608 Part-1
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Pipes (Tube)	Diameter	IS-1239 Part-1
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Pipes (Tube)	Elongation %	IS-1608 Part-1

SCOPE OF ACCREDITATION

Laboratory Name : ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9140 **Page No** 19 of 22

Validity 03/12/2022 to 02/12/2024 **Last Amended on** 18/05/2023

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
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Pipes (Tube)	Mass / metre	IS-1239 Part-1
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Pipes (Tube)	Tensile Strength	IS-1608 Part-1
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Pipes (Tube)	Thickness	IS-1239 Part-1
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Hollow Sections, High strength steel bars, Steel Tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angle, Reinforced Coupler and Bar	Bend Test	IS-1599
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Hollow Sections, High strength steel bars, Steel Tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angle, Reinforced Coupler and Bar	Elongation	IS-1608 Part-1
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Hollow Sections, High strength steel bars, Steel Tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angle, Reinforced Coupler and Bar	Reduction in Area	IS-1608 Part-1
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Hollow Sections, High strength steel bars, Steel Tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angle, Reinforced Coupler and Bar	Ultimate Tensile Strength	IS-1608 Part-1
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes and Pipes	Flattening Test	IS-2328
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubular Steel Poles	Tensile Strength	IS-1608 Part-1
345	MECHANICAL- SOIL AND ROCK	GSB / WMM	California Bearing Ratio (CBR)	IS-2720 Part-16 RA2021
346	MECHANICAL- SOIL AND ROCK	GSB / WMM	Liquid Limit	IS-2720 Part-5
347	MECHANICAL- SOIL AND ROCK	GSB / WMM	Maximum Dry Density	IS-2720 Part-8
348	MECHANICAL- SOIL AND ROCK	GSB / WMM	Optimum Moisture Content	IS-2720 Part-8
349	MECHANICAL- SOIL AND ROCK	GSB / WMM	Plastic Limit	IS-2720 Part-5 RA2020

SCOPE OF ACCREDITATION

Laboratory Name : ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9140 **Page No** 20 of 22

Validity 03/12/2022 to 02/12/2024 **Last Amended on** 18/05/2023

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
350	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS 8764
351	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength by Brazilian Test	IS 10082, Cl.4
352	MECHANICAL- SOIL AND ROCK	Rock	Uniaxial Compressive Strength	IS 9143
353	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS: 2720 (Part 16)
354	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS 2720 (Part 13)
355	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Phi	IS-2720 Part-13
356	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
357	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS: 2770 (Part 4)
358	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - (Maximum Dry Density)	IS: 2720 (Part 8)
359	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - (Optimum Moisture Content)	IS-2720 Part-8
360	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - (Maximum Dry Density)	IS 2720 (Part 7)
361	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - (Optimum moisture content)	IS-2720 Part-7
362	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Mechanical Method	IS: 2720 (Part 5)
363	MECHANICAL- SOIL AND ROCK	Soil	Permeability by Constant Head Test	IS 2720 Part 17, Cl. 5
364	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
365	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS-2720 Part-5
366	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 / Sec 1)
367	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
368	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)

SCOPE OF ACCREDITATION

Laboratory Name : ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9140 **Page No** 21 of 22

Validity 03/12/2022 to 02/12/2024 **Last Amended on** 18/05/2023

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
369	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Oven Drying Method	IS 2720 (Part 2),Section 1
370	MECHANICAL- SOIL AND ROCK	Stones	Apparent Porosity	IS-1124
371	MECHANICAL- SOIL AND ROCK	Stones	Apparent Specific Gravity	IS-1124
372	MECHANICAL- SOIL AND ROCK	Stones	Compressive Strength	IS-1121 Part-1
373	MECHANICAL- SOIL AND ROCK	Stones	Mohs Hardness	IS-13630 Part-13
374	MECHANICAL- SOIL AND ROCK	Stones	Split Tensile Strength	IS-1121 Part-3
375	MECHANICAL- SOIL AND ROCK	Stones	Water Absorption	IS-1124

SCOPE OF ACCREDITATION

Laboratory Name : ENGG. RESEARCH LABS, OSCAR GYM BUILDING BABLIANA ROAD GANGYAL JAMMU., JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9140 **Page No** 22 of 22

Validity 03/12/2022 to 02/12/2024 **Last Amended on** 18/05/2023

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	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil by Core-Cutter method	IS: 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil by Sand Replacement method	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Soil	Earth Resistivity	IS 3043, Cl. 40
4	MECHANICAL- SOIL AND ROCK	Soil	Modulus of Sub-grade Reaction (k-value)	IS-9214
5	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
6	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test (N Value)	IS: 2131
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Half Cell Potential Test	IS-516 Part-5 Section-2
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Load test (Bridges)	IRC-SP –51
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Load test (Buildings)	IS-456
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer Test	IS 516 (Part 5/ Sec 4)
11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Sec 1)
12	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Carbonation Test	IS-516 Part-5 Secton-3