



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

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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 Testing				
1	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Alkali Content as K ₂ O	ASTM C311
2	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Alkali Content as Na ₂ O	ASTM C311
3	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Alumina	ASTM C114
4	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Calcium Oxide	ASTM C114
5	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Chloride Content	ASTM C114
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Ferric Oxide	ASTM C114
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Insoluble Residue	ASTM C114
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Insoluble Residue	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Loss on Ignition	ASTM C114
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Loss on Ignition	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Magnesia Oxide	ASTM C114
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Magnesia Oxide	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Silica	ASTM C114
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Sulphuric Anhydride	ASTM C114
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC / PPC)	Sulphuric Anhydride	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Alkali Content as K ₂ O	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Alkali Content as Na ₂ O	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Alumina	IS 4032
19	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Calcium Oxide	IS 4032



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ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

2 of 22

Validity

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20	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Chloride Content	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Ferric Oxide	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Silica	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity - Dissolved Silica	IS-2386 Part 7
24	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity - Reduction in Alkali	IS 2386 Part 7
25	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity - Dissolved Silica	IS 2386, Part 7
26	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity - Reduction in Alkali	IS 2386, Part 7
27	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impurities	IS 2386, Part 2
28	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impurities	ASTM C40
29	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkali	ASTM C114
30	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkali	IS 4032
31	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide	ASTM C114
32	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide	IS 1727
33	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride	IS 4032
34	CHEMICAL- BUILDING MATERIAL	Fly Ash	Combined Ferric Oxide and Alumina	ASTM C311
35	CHEMICAL- BUILDING MATERIAL	Fly Ash	Combined Ferric Oxide and Alumina	IS 1727
36	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	ASTM C311
37	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS 1727
38	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia	ASTM C311
39	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia	IS 1727



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ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

3 of 22

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40	CHEMICAL- BUILDING MATERIAL	Fly Ash	Moisture Content	ASTM C114
41	CHEMICAL- BUILDING MATERIAL	Fly ash	Moisture Content	IS 3812, Part 1
42	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica	ASTM C311
43	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica	IS 1727
44	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride	IS 1727
45	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride	ASTM C114
46	CHEMICAL- BUILDING MATERIAL	Gypsum	Calcium Oxide	IS 1288
47	CHEMICAL- BUILDING MATERIAL	Gypsum	Combined Water	IS 1288
48	CHEMICAL- BUILDING MATERIAL	Gypsum	Free Lime	IS 2547, Part 1
49	CHEMICAL- BUILDING MATERIAL	Gypsum	Loss on Ignition	IS 2547, Part 1
50	CHEMICAL- BUILDING MATERIAL	Gypsum	Silica and Acid insoluble	IS 1288
51	CHEMICAL- BUILDING MATERIAL	Gypsum	Sulphur Trioxide	IS 1288
52	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Acid Soluble Chloride	BS 1881 Part-124
53	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Acid Soluble Sulphate	BS 1881 Part-124
54	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Determination of Cement in Hardened Concrete	ASTM C1084
55	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Determination of Cement in Hardened Concrete	IS-516 Part-11
56	CHEMICAL- METALS & ALLOYS	Reinforcement Steel Bars	Carbon	IS-228 Part-1
57	CHEMICAL- METALS & ALLOYS	Reinforcement Steel Bars	Manganese	IS-228 Part-2
58	CHEMICAL- METALS & ALLOYS	Reinforcement Steel Bars	Phosphorous	IS-228 Part-3
59	CHEMICAL- METALS & ALLOYS	Reinforcement Steel Bars	Silicon	IS-228 Part-8



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ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

4 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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60	CHEMICAL- METALS & ALLOYS	Reinforcement Steel Bars	Sulphur	IS-228 Part-9
61	CHEMICAL- METALS & ALLOYS	Structural Steel	Carbon	IS-228 Part-1
62	CHEMICAL- METALS & ALLOYS	Structural Steel	Manganese	IS-228 Part-2
63	CHEMICAL- METALS & ALLOYS	Structural Steel	Phosphorous	IS-228 Part-3
64	CHEMICAL- METALS & ALLOYS	Structural Steel	Silicon	IS-228 Part-8
65	CHEMICAL- METALS & ALLOYS	Structural Steel	Sulphur	IS-228 Part-9
66	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Acidity	IS 3025, Part 22
67	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Ammoniacal Nitrogen	IS 3025, Part 34
68	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Biological Oxygen Demand (BOD), 3 days at 27 °C	IS 3025, Part 44
69	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Dissolved Oxygen	IS 3025, Part 38
70	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Nitrate	IS 3025, Part 34
71	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Nitrite	IS 3025, Part 34
72	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Oil & Grease	IS 3025, Part 39
73	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	pH	IS 3025, Part 11
74	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Phosphates	IS 3025, Part 31, Section 1
75	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Potassium	IS 3025, Part 45
76	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Sodium	IS 3025, Part 45
77	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Sulphate	IS 3025, Part 24, Section 1
78	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Total Kjeldahl Nitrogen (as NH ₃ -N)	IS 3025, Part 34
79	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Total Solids	IS 3025, Part 15



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

5 of 22

Validity

03/12/2024 to 02/12/2028

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80	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Total Suspended Solids, Non-filtrable Residue	IS 3025, Part 17
81	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage / Waste water	Volatile and Fixed Residue	IS 3025, Part 18
82	CHEMICAL- SOIL AND ROCK	Soil	Chloride (Acid soluble)	BS 1377, Part 3
83	CHEMICAL- SOIL AND ROCK	Soil	Chloride (Water soluble)	BS 1377, Part 3
84	CHEMICAL- SOIL AND ROCK	Soil	pH value	IS 2720, Part 26
85	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate	IS 2720, Part 27
86	CHEMICAL- WATER	Construction Water	Acidity	IS-3025 Part-22
87	CHEMICAL- WATER	Construction Water	Alkalinity	IS-3025 Part-23
88	CHEMICAL- WATER	Construction Water	Chloride Content	IS 3025, Part 32
89	CHEMICAL- WATER	Construction Water	Inorganic Impurities (Fixed Solids)	IS 3025, Part 18
90	CHEMICAL- WATER	Construction Water	Organic Impurities (Volatile Solids)	IS 3025, Part 19
91	CHEMICAL- WATER	Construction Water	pH	IS 3025, Part 11
92	CHEMICAL- WATER	Construction Water	Sulphate (SO ₃)	IS-3025 Part-24 Section-1
93	CHEMICAL- WATER	Construction Water	Suspended Solids	IS 3025, Part 17
94	CHEMICAL- WATER	Drinking water	Alkalinity	IS 3025, Part 23
95	CHEMICAL- WATER	Drinking water	Aluminum	IS 3025, Part 55
96	CHEMICAL- WATER	Drinking Water	Aluminum	IS 3025, Part 55
97	CHEMICAL- WATER	Drinking water	Ammoniacal nitrogen	IS 3025, Part 34
98	CHEMICAL- WATER	Drinking water	Calcium	IS 3025, Part 40
99	CHEMICAL- WATER	Drinking water	Chloride as Cl	IS 3025, Part 32
100	CHEMICAL- WATER	Drinking water	Colour	IS 3025, Part 4
101	CHEMICAL- WATER	Drinking water	Fluoride	IS 3025, Part 60
102	CHEMICAL- WATER	Drinking water	Free Residual Chlorine	IS 3025, Part 26
103	CHEMICAL- WATER	Drinking water	Hexavalent Chromium	IS 3025, Part 52
104	CHEMICAL- WATER	Drinking water	Magnesium	IS 3025, Part 46
105	CHEMICAL- WATER	Drinking water	Odour	IS 3025, Part 5
106	CHEMICAL- WATER	Drinking water	pH	IS 3025, Part 11
107	CHEMICAL- WATER	Drinking water	Phenolic Compound	IS 3025, Part 43, Section 1

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ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

6 of 22

Validity

03/12/2024 to 02/12/2028

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108	CHEMICAL- WATER	Drinking water	Phosphate	IS 3025, Part 31, Section 1
109	CHEMICAL- WATER	Drinking water	Potassium	IS 3025, Part 45
110	CHEMICAL- WATER	Drinking water	Silica	IS 3025, Part 35
111	CHEMICAL- WATER	Drinking water	Sodium	IS 3025, Part 45
112	CHEMICAL- WATER	Drinking water	Specific Conductivity	IS 3025, Part 14
113	CHEMICAL- WATER	Drinking water	Sulphate as SO ₄	IS 3025, Part 24, Section 1
114	CHEMICAL- WATER	Drinking water	Taste	IS 3025, Part 7 & 8
115	CHEMICAL- WATER	Drinking water	Total Dissolved Solids	IS 3025, Part 16
116	CHEMICAL- WATER	Drinking water	Total Hardness as CaCO ₃	IS 3025, Part 21
117	CHEMICAL- WATER	Drinking water	Total Iron as Fe	IS 3025, Part 53
118	CHEMICAL- WATER	Drinking water	Turbidity	IS 3025, Part 10
119	CHEMICAL- WATER	Ground water	Alkalinity	IS 3025, Part 23
120	CHEMICAL- WATER	Ground water	Ammoniacal nitrogen	IS 3025, Part 34
121	CHEMICAL- WATER	Ground water	Calcium	IS 3025, Part 40
122	CHEMICAL- WATER	Ground water	Chloride as Cl	IS 3025, Part 32
123	CHEMICAL- WATER	Ground water	Colour	IS 3025, Part 4
124	CHEMICAL- WATER	Ground water	Fluoride	IS 3025, Part 60
125	CHEMICAL- WATER	Ground water	Free Residual Chlorine	IS 3025, Part 26
126	CHEMICAL- WATER	Ground water	Hexavalent Chromium	IS 3025, Part 52
127	CHEMICAL- WATER	Ground water	Magnesium	IS 3025, Part 46
128	CHEMICAL- WATER	Ground water	Odour	IS 3025, Part 5
129	CHEMICAL- WATER	Ground water	pH	IS 3025, Part 11
130	CHEMICAL- WATER	Ground water	Phenolic Compound	IS 3025, Part 43, Section 1
131	CHEMICAL- WATER	Ground water	Phosphate	IS 3025, Part 31, Section 1
132	CHEMICAL- WATER	Ground water	Potassium	IS 3025, Part 45
133	CHEMICAL- WATER	Ground water	Silica	IS 3025, Part 35
134	CHEMICAL- WATER	Ground water	Sodium	IS 3025, Part 45
135	CHEMICAL- WATER	Ground water	Specific Conductivity	IS 3025, Part 14
136	CHEMICAL- WATER	Ground Water	Sulphate as SO ₄	IS 3025, Part 24, Section 1
137	CHEMICAL- WATER	Ground water	Taste	IS 3025, Part 7 & 8
138	CHEMICAL- WATER	Ground water	Total Dissolved Solids	IS 3025, Part 16
139	CHEMICAL- WATER	Ground water	Total Hardness as CaCO ₃	IS 3025, Part 21



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ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

7 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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140	CHEMICAL- WATER	Ground water	Total Iron as Fe	IS 3025, Part 53
141	CHEMICAL- WATER	Ground water	Turbidity	IS 3025, Part 10
142	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Bulk Density	IS 6441, Part 1
143	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compressive Strength	IS 6441, Part 5
144	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimensions: Height	IS 2185, Part 3
145	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimensions: Length	IS 2185, Part 3
146	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimensions: width	IS 2185, Part 3
147	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Drying Shrinkage	IS 6441, Part 2
148	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Moisture Content	IS 6441, Part 1
149	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Thermal Conductivity	IS 3346
150	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity @ 60°C	IS 1206, Part 2
151	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Bitumen Content	ASTM D2172
152	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208, Part 1
153	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Elastic Recovery	IS-15462
154	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
155	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
156	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Industrial Viscosity @ 60°C	IS 1206, Part 1
157	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity @135 °C	IS 1206, Part 3
158	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
159	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Marshal Stability	ASTM D6927
160	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

8 of 22

Validity

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161	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
162	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in TriChloroEthane	IS 1216
163	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
164	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bitumen Content	ASTM D2172
165	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bitumen Content	IRC SP 112
166	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D2726
167	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow	ASTM D6927
168	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Indirect Tensile Strength	ASTM D6931
169	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Indirect Tensile Strength	ASTM D6931
170	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
171	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Resistance of Compacted Asphalt Mixtures to Moisture Induced Damage	AASHTO T283
172	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Stripping Value	IS 6241
173	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Compressive Strength	IS 3495, Part 1
174	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension: Length	IS 1077
175	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension: Width	IS 1077
176	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions: Height	IS 1077
177	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Efflorescence	IS 3495, Part 3
178	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Water Absorption	IS 3495, Part 2
179	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031, Part 11
180	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Dimensions: Length	IS 1237

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TC-9140

Page No

9 of 22

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181	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Dimensions: Thickness	IS 1237
182	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Dimensions: Width	IS 1237
183	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Flatness	IS 1237
184	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Perpendicularity	IS 1237
185	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor tiles	Straightness	IS 1237
186	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Floor Tiles	Water Absorption	IS 1237
187	MECHANICAL- BUILDINGS MATERIALS	Ceramic Glazed Tiles	Chemical Reistance	IS-13630 Part-8
188	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Dimensions: Length	IS 13801
189	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Dimensions: Thickness	IS 13801
190	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Dimensions: Width	IS 13801
191	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Flatness	IS 13801
192	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Perpendicularity	IS 13801
193	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Resistance to Wear	IS 13801
194	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Straightness	IS 13801
195	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Transverse Strength	IS 13801
196	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Water Absorption	IS 13801
197	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fine Value	IS 2386, Part 4
198	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	ASTM C29
199	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386, Part 3
200	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	ASTM C142



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

10 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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201	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Coal & Lignite	ASTM C123
202	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Coal & Lignite	IS 2386, Part 2
203	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386, Part 4
204	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	BS EN933-3
205	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386, Part 1
206	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Finer than 75 microns	ASTM C117
207	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Finer than 75 microns	IS 2386, Part 1
208	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	BS EN933-4
209	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386, Part 1
210	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	ASTM C131
211	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386, Part 4
212	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion	ASTM C131
213	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Test	IS 2386, Part 4
214	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (2.36 mm to 80 mm)	ASTM C136
215	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (2.36 mm to 80 mm)	IS 2386, Part 1
216	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Magensium Sulphate	ASTM C88
217	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness By Magnesium Sulphate Solution	IS 2386, Part 5
218	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate	ASTM C88
219	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness By Sodium Sulphate Solution	IS 2386, Part 5
220	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	ASTM C127



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 11 of 22

Validity 03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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
221	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386, Part 3
222	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386, Part 3
223	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Clay Lumps	IS 2386, Part 2
224	MECHANICAL- BUILDINGS MATERIALS	Concrete Beams	Transverse Strength	IS 5758
225	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow and Solid)	Block Density	IS 2185, Part 1 (Annex. C)
226	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow and Solid)	Compressive Strength	IS 2185, Part 1 (Annex. D)
227	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow and Solid)	Dimensions	IS 2185, Part 1 (Annex. B)
228	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow and Solid)	Drying Shrinkage	IS 2185, Part 1 (Annex. F)
229	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow and Solid)	Water Absorption	IS 2185, Part 1 (Annex. E)
230	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	ASTM C42
231	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS-516 Part-4
232	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Indirect Tensile Strength	IS 516
233	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
234	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube & Cylinder	Compressive Strength	ASTM C39
235	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube & Cylinder	Compressive Strength	IS-516 Part-1 Section-1
236	MECHANICAL- BUILDINGS MATERIALS	Concrete Cylinder	Indirect Tensile Strength	ASTM C496
237	MECHANICAL- BUILDINGS MATERIALS	Concrete Cylinder	Indirect Tensile Strength	IS 5816
238	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	ASTM C29
239	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386, Part 3
240	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	ASTM C142



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

Validity 03/12/2024 to 02/12/2028

Page No 12 of 22

Last Amended on 20/03/2025

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
241	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	IS 2386, Part 2
242	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material	IS 2386, Part 1
243	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Determination of Light weight Pieces (Coal & Lignite)	IS 2386, Part 2
244	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Determination of Light Weight Pieces (Coal and Lignite)	ASTM C123
245	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Fineness Modulus	IS 2386, Part 1
246	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75 microns	ASTM C117
247	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75 μ IS sieve	IS 2386, Part 1
248	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurity	IS 2386, Part 2
249	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis 10mm, 4.75mm, 2.36mm, 1.18mm, 0.600mm, 0.300 mm, 0.150mm	ASTM 136
250	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis 10mm, 4.75mm, 2.36mm, 1.18mm, 0.600mm, 0.300mm, 0.150mm	IS 2386, Part 1
251	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS 2386, Part 3
252	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Magnesium Sulphate	ASTM C88
253	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness By Magnesium Sulphate Solution	IS 2386, Part 5
254	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate	ASTM C88
255	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness By Sodium Sulphate Solution	IS 2386, Part 5
256	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	ASTM C128
257	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386, Part 3
258	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386, Part 3
259	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727



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

13 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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
260	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	ASTM C109
261	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
262	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Density	ASTM C311
263	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Density	IS-1727
264	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Drying Shrinkage	ASTM C157
265	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Drying Shrinkage	IS 4031, Part 10
266	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by Blaine air permeability	IS 1727
267	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blaine's Air Permeability	ASTM C430
268	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	ASTM C618
269	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
270	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Material Retained on 45 microns sieve	ASTM C430
271	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle Retained on 45 Micron Sieve(wet sieving)	IS 1727
272	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave	ASTM C151
273	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave	IS 1727
274	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave	IS 4031, Part 3
275	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	ASTM C311
276	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Compressive Strength	IS-3495 Part-1
277	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension: Height	IS 12894
278	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension: Length	IS 12894
279	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension: Width	IS 12894



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

14 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on

20/03/2025

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
280	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Water Absorption	IS-3495 Part-2
281	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	ASTM C143
282	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS-1199
283	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Breaking Strength	IS-13630 Part-6
284	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Crazing Resistance	IS-13630 Part-9
285	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Dimension: Width	IS-13630 Part-1
286	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Dimensions: Length	IS-13630 Part-1
287	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Dimensions: Thickness	IS-13630 Part-1
288	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Flatness	IS-13630 Part-1
289	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Frost Resistance	IS-13630 Part-10
290	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Modulus of Rupture	IS-13630 Part-6
291	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Moisture Expansion	IS-13630 Part-3
292	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Resistance to thermal Shock	IS-13630 Part-5
293	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Scratch Hardness (Mohr's Scale)	IS-13630 Part-13
294	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Squareness	IS-13630 Part-1
295	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Surface Quality	IS-13630 Part-1
296	MECHANICAL- BUILDINGS MATERIALS	Glazed Ceramic Tiles	Water Absorption	IS-13630 Part-2
297	MECHANICAL- BUILDINGS MATERIALS	Granular Sub-Base (GSB) / Wet Mix Macadam (WMM)	Sieve Analysis 75mm, 53mm, 26.5mm, 9.5mm, 4.75mm, 2.36mm, 0.85mm, 0.425mm, 0.075mm	IS 2386, Part 4
298	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Compressive Strength	IS 2542, Part 1, Section 5



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

15 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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
299	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Dry Bulk Density	IS 2542, Part 1, Section 5
300	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Freedom from Coarse Particles	IS 2542, Part 1, Section 8
301	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Normal Consistency	IS 2542, Part 1, Section 2
302	MECHANICAL- BUILDINGS MATERIALS	Gypsum Plaster	Setting Time	IS 2542, Part 1, Section 3
303	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Bending Strength	IS 5758 Annexure-C
304	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Dimensions: Height	IS 5758
305	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Dimensions: Length	IS 5758
306	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Dimensions: Width	IS 5758
307	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Transverse Strength	IS 5758
308	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Water Absorption	IS 5758
309	MECHANICAL- BUILDINGS MATERIALS	Lime Stone / Sand Stone / Kota Stone	Durability	IS 1126
310	MECHANICAL- BUILDINGS MATERIALS	Lime Stone / Sand Stone / Kota Stone	Resistance to Wear	IS 1706
311	MECHANICAL- BUILDINGS MATERIALS	Lime Stone / Sand Stone / Kota Stone	Transverse Strength	IS 1121, Part 2
312	MECHANICAL- BUILDINGS MATERIALS	Lime Stone / Sand Stone / Kota Stone	Water Absorption	IS 1124
313	MECHANICAL- BUILDINGS MATERIALS	Marble / Granite Stone	Apparent Porosity	IS 1124
314	MECHANICAL- BUILDINGS MATERIALS	Marble / Granite Stone	Compressive Strength	IS 1121, Part 3
315	MECHANICAL- BUILDINGS MATERIALS	Marble / Granite Stone	Mohr's Hardness	IS 13630, Part 13
316	MECHANICAL- BUILDINGS MATERIALS	Marble / Granite Stone	Specific Gravity	IS 1130
317	MECHANICAL- BUILDINGS MATERIALS	Marble / Granite Stone	Water Absorption	IS 1130
318	MECHANICAL- BUILDINGS MATERIALS	Micro Silica / Silica Fumes	Compressive Strength at 7 days	IS 1727



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

16 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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
319	MECHANICAL- BUILDINGS MATERIALS	Micro Silica / Silica Fumes	Specific gravity	IS 1727
320	MECHANICAL- BUILDINGS MATERIALS	Micro-Silica / Silica fumes	Material retained on 45 micron sieve (Wet Sieving)	IS 1727
321	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion Resistance	IS-15658
322	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension: Height	IS 15658
323	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions: Length	IS 15658
324	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions: Width	IS 15658
325	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Thickness of Wearing Layer	IS-15658
326	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
327	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	water Absorption	IS 15658
328	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Compressive Strength	ASTM C109
329	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Compressive Strength	IS 4031, Part 6
330	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Consistency	ASTM C187
331	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Consistency	IS 4031, Part 4
332	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Density	ASTM C188
333	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Density	IS 4031, Part 11
334	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Drying Shrinkage	ASTM C157
335	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Drying Shrinkage	IS 4031, Part 10
336	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Final Setting Time	ASTM C191
337	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Final setting time	IS 4031, Part 5
338	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Fineness by Blaine air permeability	ASTM C204



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

17 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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
339	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Finesses By Blaine air permeability	IS 4031, Part 2
340	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Initial Setting Time	ASTM C191
341	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Initial Setting Time	IS 4031, Part 5
342	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Soundness by Autoclave	ASTM C151
343	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Soundness By Autoclave	IS 4031, Part 3
344	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC) / Ordinary Portland Cement (OPC)	Soundness by Lechatellier	IS 4031, Part 3
345	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	0.2% proof stress / yield stress	IS-1608 Part-1
346	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	Bend Test (Mandrel Size (mm) 6, 8, 10, 12, 16, 18, 20, 22, 25, 28 and 32)	IS 1599
347	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	ELongation	IS-1608 Part-1
348	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	Mass per meter run	IS 1786
349	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	Rebend test (Mandrel Size (mm) 16, 20, 24, 32, 40, 48, 50, 60, 64, 72, 75, 80, 84, 96, 100, 112, 116, 120, 125, 136, 140, 150, 175, 200, 224 and 256)	IS 1786
350	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bars	Reduction in Area	IS-1608 Part-1
351	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bars	Ultimate Tensile Strength	IS-1608 Part-1
352	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tile	Chemical Resistance	IS-13630 Part-8
353	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Breaking Strength	IS-13630 Part-6
354	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Crazing Resistance	IS-13630 Part-9
355	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Dimensions: Length	IS-13630 Part-1
356	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Dimensions: Thickness	IS-13630 Part-1



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

18 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on

20/03/2025

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
357	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Dimensions: Width	IS-13630 Part-1
358	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Flatness	IS-13630 Part-1
359	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Frost Resistance	IS-13630 Part-10
360	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Modulus of Rupture	IS-13630 Part-6
361	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Moisture Expansion	IS-13630 Part-3
362	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Resistance to Thermal Shock	IS-13630 Part-5
363	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Scratch Hardness (Mohr's Scale)	IS-13630 Part-13
364	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Squareness	IS-13630 Part-1
365	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Surface Quality	IS-13630 Part-1
366	MECHANICAL- BUILDINGS MATERIALS	Vitrified Tiles	Water Absorption	IS-13630 Part-2
367	MECHANICAL- MECHANICAL PROPERTIES OF METALS	GI Barbed wire	Dimensions: Length	IS 278
368	MECHANICAL- MECHANICAL PROPERTIES OF METALS	GI Barbed wire	Dimensions: Thickness	IS-278
369	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	0.2% proof stress / yield stress	IS-1608 Part-1
370	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Elongation	IS-1608 Part-1
371	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Length	IS 4923
372	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Mass / meter	IS-4923
373	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Ultimate Tensile Strength	IS-1608 Part-1



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

19 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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
374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Sections (Structural Steel)	Width	IS-4923
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS / GI Barbed wire	Breaking Load	IS-1608 Part-1
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS / GI Barbed wire	Tensile Strength	IS-1608 Part-1
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Pipes (Tube)	Diameter	IS 1239, Part 1
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Pipes (Tube)	Elongation %	IS-1608 Part-1
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Pipes (Tube)	Mass / meter	IS 1239, Part 1
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Pipes (Tube)	Tensile Strength	IS-1608 Part-1
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Pipes (Tube)	Thickness	IS 1239, Part 1
382	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
383	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
384	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
385	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
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes and Pipes	Flattening Test	IS-2328



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

20 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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
387	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Tubular Steel Poles	Tensile Strength	IS-1608 Part-1
388	MECHANICAL- SOIL AND ROCKS	Granular sub-base (GSB) / Wet Mix Macadam (WMM)	California Bearing Ratio (CBR)	IS 2720, Part 16
389	MECHANICAL- SOIL AND ROCKS	Granular sub-base (GSB) / Wet Mix Macadam (WMM)	Liquid Limit	IS 2720, Part 5
390	MECHANICAL- SOIL AND ROCKS	Granular sub-base (GSB) / Wet Mix Macadam (WMM)	Maximum Dry Density	IS 2720, Part 8
391	MECHANICAL- SOIL AND ROCKS	Granular sub-base (GSB) / Wet Mix Macadam (WMM)	Optimum Moisture Content	IS 2720, Part 8
392	MECHANICAL- SOIL AND ROCKS	Granular sub-base (GSB) / Wet Mix Macadam (WMM)	Plastic Limit	IS 2720, Part 5
393	MECHANICAL- SOIL AND ROCKS	Rock	Point Load Strength Index	IS 8764
394	MECHANICAL- SOIL AND ROCKS	Rock	Tensile Strength by Brazilian Test	IS 10082, Clause 4
395	MECHANICAL- SOIL AND ROCKS	Rock	Uniaxial Compressive Strength	IS 9143
396	MECHANICAL- SOIL AND ROCKS	Soil	California Bearing Ratio	IS 2720, Part 16
397	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear - Cohesion	IS 2720, Part 13
398	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear - Phi	IS 2720, Part 13
399	MECHANICAL- SOIL AND ROCKS	Soil	Free Swell Index	IS 2720, Part 40
400	MECHANICAL- SOIL AND ROCKS	Soil	Grain Size Analysis	IS 2720, Part 4
401	MECHANICAL- SOIL AND ROCKS	Soil	Heavy Compaction - (Maximum Dry Density)	IS 2720, Part 8
402	MECHANICAL- SOIL AND ROCKS	Soil	Heavy Compaction - (Optimum Moisture Content)	IS 2720, Part 8
403	MECHANICAL- SOIL AND ROCKS	Soil	Light Compaction - (Maximum Dry Density)	IS 2720, Part 7
404	MECHANICAL- SOIL AND ROCKS	Soil	Light Compaction - (Optimum moisture content)	IS 2720, Part 7
405	MECHANICAL- SOIL AND ROCKS	Soil	Liquid Limit by Mechanical Method	IS 2720, Part 5
406	MECHANICAL- SOIL AND ROCKS	Soil	Permeability by Constant Head Test	IS 2720 Part 17, Cl. 5

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

21 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on

20/03/2025

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407	MECHANICAL- SOIL AND ROCKS	Soil	Plastic Limit	IS 2720, Part 5
408	MECHANICAL- SOIL AND ROCKS	Soil	Shrinkage Limit	IS 2720, Part 6
409	MECHANICAL- SOIL AND ROCKS	Soil	Specific Gravity	IS 2720, Part 3, Section 1
410	MECHANICAL- SOIL AND ROCKS	Soil	Swelling Pressure	IS 2720, Part 41
411	MECHANICAL- SOIL AND ROCKS	Soil	Unconfined Compressive Strength	IS 2720, Part 10
412	MECHANICAL- SOIL AND ROCKS	Soil	Water Content by Oven Drying Method	IS 2720, Part 2, Section 1
413	MECHANICAL- SOIL AND ROCKS	Stones	Apparent Porosity	IS 1124
414	MECHANICAL- SOIL AND ROCKS	Stones	Apparent Specific Gravity	IS 1124
415	MECHANICAL- SOIL AND ROCKS	Stones	Compressive Strength	IS 1121, Part 1
416	MECHANICAL- SOIL AND ROCKS	Stones	Mohs Hardness	IS 13630, Part 13
417	MECHANICAL- SOIL AND ROCKS	Stones	Split Tensile Strength	IS 1121, Part 3
418	MECHANICAL- SOIL AND ROCKS	Stones	Water Absorption	IS 1124



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ISO/IEC 17025:2017

Certificate Number

TC-9140

Page No

22 of 22

Validity

03/12/2024 to 02/12/2028

Last Amended on 20/03/2025

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Site Testing				
1	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386, Part 3
2	MECHANICAL- SOIL AND ROCKS	Soil	Dry Density of Soil by Core-Cutter method	IS 2720, Part 29
3	MECHANICAL- SOIL AND ROCKS	Soil	Dry Density of Soil by Sand Replacement method	IS 2720, Part 28
4	MECHANICAL- SOIL AND ROCKS	Soil	Earth Resistivity	IS 3043, Cl. 40
5	MECHANICAL- SOIL AND ROCKS	Soil	Modulus of Sub-grade Reaction (k-value)	IS 9214
6	MECHANICAL- SOIL AND ROCKS	Soil	Plate Load Test	IS 1888
7	MECHANICAL- SOIL AND ROCKS	Soil	Standard Penetration Test (N Value)	IS 2131
8	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Half Cell Potential Test	IS-516 Part-5 Section-2
9	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Load test (Bridges)	IRC SP-51
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, Section 1
12	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Carbonation Test	IS-516 Part-5 Section-3