National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ECON LABORATORY AND CONSULTANCY, VILL-KHABARWALA, POST-JAINTANWALA, GARHICANTT, DEHRADUN, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 1 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia as NH3	SOP,SP-207,Issue No.01 and Based on CPCB Guidelines: 2018
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Arsenic as As	Lab SOP ECON/As/01-2020 based on CPCB Guidelines 2018.
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Benzene as C6H6	IS:5182 (Part-11)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Benzene(a) Pyrene (BaP)	IS 5182 (Part-12)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Carbon Monoxide as CO	IS: 5182 (P-10)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead as Pb	IS: 5182 (P-22), Air Acetylene Method
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nickel as Ni	Lab SOP ECON/Ni/01-2020 based on CPCB Guidelines
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS:5182 (P-6)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone as O3	IS 5182 (P- 9),Colorimetric Method
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter PM- 2.5	IS 5182 (P-24)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter PM10	IS:5182 (P-23)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS:5182 (P-2)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emision	Oxides of Nitrogen (as NOx)	IS 11255 (Part 7)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon Dioxide as CO2	IS 13270
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon Monoxide as CO	IS 13270
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (Part 1)
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide	IS 11255 (Part 2)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 2 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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18	CHEMICAL- BUILDING MATERIAL	Accelerator	Appearance	IS 9103
19	CHEMICAL- BUILDING MATERIAL	Accelerator	pH Value	IS 9103
20	CHEMICAL- BUILDING MATERIAL	Accelerator	Relative Density at 27oC	IS:9103
21	CHEMICAL- BUILDING MATERIAL	Accelerator	Soild Content	IS 9103
22	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
23	CHEMICAL- BUILDING MATERIAL	Admixtures	Ash Content	IS 9103
24	CHEMICAL- BUILDING MATERIAL	Admixtures	Chloride Content	IS 6925
25	CHEMICAL- BUILDING MATERIAL	CONCRETE	CHLORIDE	BS 1881
26	CHEMICAL- BUILDING MATERIAL	CONCRETE	SULPHATE	BS 1881
27	CHEMICAL- BUILDING MATERIAL	Micro Silica	Loss on Ignition	ASTM:C 114
28	CHEMICAL- BUILDING MATERIAL	Micro Silica	Moisture Content	ASTC:C 114
29	CHEMICAL- BUILDING MATERIAL	Micro Silica	Silicon Dioxide as SiO2	ASTM:C 114
30	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	ALUMINIUM PRODUCT	THICKNESS OF ANODIZING COATING	IS 5523
31	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	STEEL PRODUCT	MASS OF ZINC COATING	IS 6745
32	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	steel product	uniformity of coating	IS 2633
33	CHEMICAL- METALS & ALLOYS	MILD STEEL	CARBON	IS 228
34	CHEMICAL- METALS & ALLOYS	MILD STEEL	MANGANESE	IS 228
35	CHEMICAL- METALS & ALLOYS	MILD STEEL	PHOSPHOROUS	IS 228

SCOPE OF ACCREDITATION

Laboratory Name : ECON LABORATORY AND CONSULTANCY, VILL-KHABARWALA, POST-JAINTANWALA, GARHICANTT, DEHRADUN, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 3 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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
36	CHEMICAL- METALS & ALLOYS	MILD STEEL	SILICON	IS 228
37	CHEMICAL- METALS & ALLOYS	MILD STEEL	SULPHUR	IS 228
38	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CARBON	IS 228
39	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CHROMIUM	IS 228
40	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MANGANESE	IS 228
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228
42	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 228
43	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SULPHUR	IS 228
44	CHEMICAL- METALS & ALLOYS	STAINLESS STELL	PHOSPHOROUS	IS 228
45	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Bulk Density	IS: 2720 Part 28
46	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Calcium	ECON/STP/08 based on GOI Manual
47	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Conductivity	ECON/STP/03 based on GOI Manual
48	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Magnesium	ECON/STP/08 based on GOI Manual
49	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Moisture Content	IS:2720 part 18
50	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nitrogen	ECON/STP/17 based on GOI Manual
51	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Carbon and Organic Matter	IS:2720 part 22
52	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS:2720 part 26
53	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Phosphorous	ECON/STP/10 based on GOI Manual
54	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Potassium	ECON/STP/07 based on GOI Manual

SCOPE OF ACCREDITATION

Laboratory Name : ECON LABORATORY AND CONSULTANCY, VILL-KHABARWALA, POST-JAINTANWALA, GARHICANTT, DEHRADUN, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 4 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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
55	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium	ECON/STP/06 based on GOI Manual
56	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Iron as Fe	ECOn/SOP/02, Soil Testing manual, Department of Agriculture Coorporation Ministry of Agricultural,
57	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Solid Content	IS 2720 (Part-21)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Kjeldhal Nitrogen (TKN)	IS 14684
59	CHEMICAL- POLLUTION & ENVIRONMENT	Soild Waste	Calcium as Ca	EPA 3050 B, USEPA 6010 :B
60	CHEMICAL- POLLUTION & ENVIRONMENT	Soild Waste	Calorific value	IS:1350 (Part-II) :
61	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Chloride as Cl	EPA 670/02-007:
62	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Moisture Content	EPA 9001:10
63	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Total Phosphate as P	IS 10158, UPEPA B
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Alkalinity as CaCO3	APHA-22nd Ed-.2320 B Titration Method
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonia (NH3-N)	IS:3025 (P-34)
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Arsenic as As	IS 3025 (Part-37)
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen Demand (BOD)	IS: 3025 (P-44) Ad.1 BOD 3-days at 27 ºC
68	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Cadmium as Cd	IS 3025 (Part-41) AAS Method
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as Ca	APHA-22nd Ed-3500Ca-B EDTA Method
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand (COD)	APHA-22nd Ed- 5220B Open Reflux Method
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride as Cl	APHA-22nd Ed- 4500-CL B Argentometric Method
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chlorine (Free Residual)	APHA-22nd Ed-4500 Cl-F- PD Ferrous Tritmetric Method

SCOPE OF ACCREDITATION

Laboratory Name :	ECON LABORATORY AND CONSULTANCY, VILL-KHABARWALA, POST-JAINTANWALA, GARHICANTT, DEHRADUN, UTTARAKHAND, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5507
Page No	5 of 15
Validity	08/09/2021 to 07/09/2023
Last Amended on	-

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
73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chromium (Hexavalent)	APHA-22nd -3500Cr-B, Calorimetric
74	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Conductivity	APHA-22nd Ed-2510 B
75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper as Cu	IS 3025 (Part-42) AAS Method
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen (DO)	APHA-22nd Ed-4500 -OC Winkler Method with Azide Modification
77	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride as F	APHA-22nd Ed-4500- D SPANDS Method
78	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hardness as CaCO3	APHA-22nd Ed-2340 C EDTA Method
79	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA-22nd Ed -3500Fe-B Phenanthroline Method
80	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead as Pb	IS 3025 (Part-47) AAS Method
81	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium as Mg	APHA-22nd Ed-3500-Mg B Calculation Method
82	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel as Ni	IS 3025 (Part-54) AAS Method
83	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate (NO3)	IS:3025 (P-34)
84	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA-22nd Ed- 5520B Partition Gravimetric Method
85	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA-22nd Ed-4500 H+B
86	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phenolic Compounds as C6H5OH	APHA-22nd Ed-5530D
87	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphorous (P)	APHA-22nd Ed-4500 P D Stannous Chloride Method
88	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium	APHA-22nd Ed-3500K-B Flame Photometric Method
89	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Silica (SiO2)	APHA-22nd Ed-4500-SiO2-C Molybdosilicate Method
90	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium	APHA-22nd Ed-3500Na-B Flame Photometric Method

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 6 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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91	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Solids- Fixed & Volatile	APHA-22nd Ed- 2540 E 550ºC
92	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate as SO4	APHA-22nd Ed- 4500SO4-2 E Turbidity Method
93	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Chromium as Cr	IS 3025 (52), AAS Method
94	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	APHA-22nd Ed- 2540 C 180ºC
95	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	APHA-22nd Ed- 2540 D 103-105ºC
96	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Turbidity	APHA-22nd Ed- 2130 B Nephlometric Method
97	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc as Zn	IS 3025 (Part-49) AAS Method
98	CHEMICAL- POLLUTION & ENVIRONMENT	Waste(Liquid/Slurry/Sludge/Solid/Semi Solid	% Moisture Content Loss on Ignition at 105oC	IS 2720 (Part-2)
99	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	pH	ECON/SOP/SW/01 Based on EPA 9045D:
100	CHEMICAL- POLLUTION & ENVIRONMENT	Water Water	Acidity as CaCO3	APHA-22nd Ed-2310
101	CHEMICAL- WATER	Construction Water	chloride	IS 3025 P-32
102	CHEMICAL- WATER	Construction water	inorganic solid	IS:3025 (Part-16)
103	CHEMICAL- WATER	Construction Water	Neutralization value with 0.02N NAOHfor 100 ml sample	IS 3025 (Part-22)
104	CHEMICAL- WATER	Construction water	Organic solid	IS:3025 (Part-16)
105	CHEMICAL- WATER	Construction Water	pH@25	IS 3025 (Part-11)
106	CHEMICAL- WATER	Construction Water	Sulphate as SO4	IS 3025 P-24
107	CHEMICAL- WATER	Construction Water	Total Suspended Solid	IS 3025 part-17
108	CHEMICAL- WATER	Drinking Water	Cadmium as Cd	IS 3025(P-41) AAA Method
109	CHEMICAL- WATER	Neutralization value with 0.02N H2SO4 for 100 ml sample	Construction Water	IS:3025 Part-23
110	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Acidity as CaCO3	APHA-22nd Ed-2310 B Titrimetric Method
111	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Alkalinity as CaCO3	IS 3025
112	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Ammonia (NH3-N)	IS 3025 (Part 34)
113	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Arsenic as As	IS 3025 (Part-37) Silver Diethyldithiocarbamate Method

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 7 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Boron as B	IS 3025 (Part-57) Curcumin Method
115	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Calcium as Ca	IS 3025 (Part 40)
116	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Chloride as Cl	IS 3025
117	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Chlorine (Free Residual)	IS 3025
118	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Chromium (Hexavalent)	IS 3025 (Part 52)
119	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Conductivity	IS 3025
120	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Copper as Cu	IS 3025 (Part-42) AAS Method
121	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Dissolved Oxygen (DO)	APHA-22nd Ed-4500C
122	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Fluoride as F	IS 3025 (Part 60)
123	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Hardness as CaCO3	IS 3025
124	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Iron as Fe	IS 3025 (Part 53)
125	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Lead as Pb	IS 3025 (Part-47) AAS Method
126	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Magnesium as Mg	IS 3025 (Part 46)
127	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Manganese as Mn	IS 3025 (Part-59)
128	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Nickel as Ni	IS 3025 (Part-54) AAS Method
129	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Nitrate (NO3)	IS 3025 (Part 34)
130	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	pH @ 25 °C	IS 3025
131	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Phenolic Campound as C6H5OH	IS 3025 (Part-43) AmAntipyrene Method
132	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Phosphorus as P	APHA-22nd Ed 2012-4500 P D Stannous Chloride Method
133	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Potassium	IS 3025 (Part 45)
134	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Selenium as Se	IS 3025 (P-56) AAA Method
135	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Silica (SiO2)	IS 3025 (Part 35)
136	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Sodium as Na	IS 3025 (Part 45)
137	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Sulphate as SO4	IS 3025 (Part-24) Turbidity Method
138	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Temperature	IS 3025
139	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Total Dissolved Solids	IS 3025
140	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Total suspended solids	IS 3025
141	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Turbidity	IS 3025

SCOPE OF ACCREDITATION

Laboratory Name : ECON LABORATORY AND CONSULTANCY, VILL-KHABARWALA, POST-JAINTANWALA, GARHICANTT, DEHRADUN, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 8 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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142	CHEMICAL- WATER	Potable, Domestic, Surface, Ground, Process Water	Zinc as Zn	IS 3025 (P-49) AAS Method
143	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	IMPACT VALUE	IS 2386 (Part-4)
144	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part-3)
145	MECHANICAL- BUILDINGS MATERIALS	Admixture	pH Value	IS 9103
146	MECHANICAL- BUILDINGS MATERIALS	Admixture	Relative Density	IS 9103
147	MECHANICAL- BUILDINGS MATERIALS	Aggregates	Coating and Stripping of Bitumen Aggregate Mix	IS 6241
148	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility, cm	IS 1208
149	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point, °C	IS 1209
150	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point, °C	IS 1209
151	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration, 0.1mm at 25 (°C)	IS 1203
152	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point,°C	IS 1205
153	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in Trichloroethylene	IS 1216
154	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
155	MECHANICAL- BUILDINGS MATERIALS	Bitumenous Mix (DBM, BC, BM, PC)	Binder Content	IRC SP-11
156	MECHANICAL- BUILDINGS MATERIALS	Bitumenous Mix concrete, (BM, BC, DBM)	Marshall Flow	ASTM 6927
157	MECHANICAL- BUILDINGS MATERIALS	Bitumenous Mix, (DBM, BC, BM, PC)	Marshal stability	ASTM D 6927
158	MECHANICAL- BUILDINGS MATERIALS	Cement concrete fresh	Slump Test	IS:1199 (Part-2)
159	MECHANICAL- BUILDINGS MATERIALS	clay/ fuel ash lime Bricks	Compressive strength	IS 3495(Part-1)
160	MECHANICAL- BUILDINGS MATERIALS	clay/ fuel ash Lime Bricks	DIMENSION	IS 1077

SCOPE OF ACCREDITATION

Laboratory Name : ECON LABORATORY AND CONSULTANCY, VILL-KHABARWALA, POST-JAINTANWALA, GARHICANTT, DEHRADUN, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 9 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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
161	MECHANICAL- BUILDINGS MATERIALS	clay/ fuel ash lime Bricks	water absorption	is 3495(Part-2)
162	MECHANICAL- BUILDINGS MATERIALS	clay/fuel ash Lime Bricks	efflorescence	is 3495(Part-3)
163	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine aggregate	Deleterious Meterials (Clay Lumps)	IS 2386 (P-2)
164	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine aggregate	Materials Finer than 75 µm	IS 2386 (P-1)
165	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	10 % FINES VALUE	IS 2386 (P-4)
166	MECHANICAL- BUILDINGS MATERIALS	coarse aggregate	crushing value	IS 2386 (P-4)
167	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	ELONGATION INDEX	IS 2386 (Part-1)
168	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	LOS ANGLES ABRASION VALUE	IS 2386 (P-4)
169	MECHANICAL- BUILDINGS MATERIALS	COARSE AND FINE AGGREGATE	BULK DENSITY	IS 2386 (P-3)
170	MECHANICAL- BUILDINGS MATERIALS	coarse and fine aggregate	sieve analysis	IS 2386 (P-1)
171	MECHANICAL- BUILDINGS MATERIALS	coarse and fine aggregate	soundness test	IS 2386(P-5)
172	MECHANICAL- BUILDINGS MATERIALS	coarse and fine aggregate	specific gravity	IS 2386 (Part-3)
173	MECHANICAL- BUILDINGS MATERIALS	coarse and Fine aggregate	water absorption	IS 2386 (P-3)
174	MECHANICAL- BUILDINGS MATERIALS	Coarse/ Fine Aggregate	Deleterious material (Coal & Lignite)	IS:2386 (P-2)
175	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Arris / Chamfer Depth	IS 15658
176	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Arris / Chamfer Width	IS 15658
177	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Aspect Ratio (L/T)	IS 15658
178	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Compressive Strength	IS 15658
179	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Dimension Length Width Thickness	IS 15658

SCOPE OF ACCREDITATION

Laboratory Name : ECON LABORATORY AND CONSULTANCY, VILL-KHABARWALA, POST-JAINTANWALA, GARHICANTT, DEHRADUN, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 10 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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180	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Plan Area (ASP	IS 15658
181	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Thickness of Wearing Layer	IS 15658
182	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Water Absorption	IS 15658
183	MECHANICAL- BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Wearing Face Area (ASW)	IS 15658
184	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516(Part-4)
185	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurites	IS 2386 (P-2)
186	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base and Wet Mix Macadam Material	Water Absorption	IS:2386 (Part-1)
187	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base Material	California Bearing ratio	IS 2720 (Part-16)
188	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base Material	Heavy Compaction -Maximum Dry density	IS:2720 (Part-8)
189	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base Material	Heavy Compaction- Optimum Moisture Content	IS:2720 (Part-8)
190	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base Material	Liquid limit	IS:2720 (Part-5)
191	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base Material	Plastic Limit	IS 2720 (Part-5)
192	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base Material (0.075-75 mm)	Sieve Analysis	IS:2720 (Part-1)
193	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cubes	Compressive Strength	IS 516
194	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Retained on 45 µ Sieve, Variation from average	ASTM:C 1240
195	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Accelerated Pozzolonic Strength activity with Portland cement at 7 days % of control	ASTM:C 1240
196	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Retained on 45 µ Sieve	ASTM:C 1240
197	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Fineness By dry Sieving	IS:4031 (Part-1)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 11 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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198	MECHANICAL- BUILDINGS MATERIALS	OPC/PSC	COMPRESSIVE STRENGTH	IS 4031 (Part-6)
199	MECHANICAL- BUILDINGS MATERIALS	OPC/PSC	CONSISTENCY	IS4031 (Part-4)
200	MECHANICAL- BUILDINGS MATERIALS	OPC/PSC	DENSITY	IS 4031 (Part-11)
201	MECHANICAL- BUILDINGS MATERIALS	OPC/PSC	FINENESS by Blaine's method	IS:4031 (Part-2)
202	MECHANICAL- BUILDINGS MATERIALS	OPC/PSC	Setting Time (Initial & Final)	IS 4031 (Part-5)
203	MECHANICAL- BUILDINGS MATERIALS	OPC/PSC	SOUNDNESS by Le chatlier	IS 4031 (Part-3)
204	MECHANICAL- BUILDINGS MATERIALS	Permeability Test	Depth of Water Penetration Under Pressure	IS 516(Part-2/Sec.-1)
205	MECHANICAL- BUILDINGS MATERIALS	PPC	COMPRESSIVE STRENGTH	IS 4031 (part-6)
206	MECHANICAL- BUILDINGS MATERIALS	PPC	Consistency	IS 4031 (Part-4)
207	MECHANICAL- BUILDINGS MATERIALS	PPC	DENSITY	IS 4031 (Part-11)
208	MECHANICAL- BUILDINGS MATERIALS	PPC	DRYING SHRINKAGE	IS 4031 (Part-10)
209	MECHANICAL- BUILDINGS MATERIALS	PPC	FINENESS by Blaine's method	IS 4031 (Part-2)
210	MECHANICAL- BUILDINGS MATERIALS	PPC	Setting Time (Initial & Final)	IS 4031 (Part-5)
211	MECHANICAL- BUILDINGS MATERIALS	PPC	SOUNDNESS by Autoclave method	IS 4031 (Part-3)
212	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar, Structural Steel, M.S. Pipe,Bolt, Nut, MS Plate,	Rockwell Hardness Test	IS 1586(Part-1),A,B and C Scale
213	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement steel	Nominal mass per meter	IS 1786
214	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement steel, Structural Steel	Yield strength	IS 1608 (P-1)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 12 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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215	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement steel, Structural Steel, M.S. Pipe, G.I. Pipe.	Elongation	IS:1608 (P-1)
216	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement steel, Structural Steel, M.S. Pipe, G.I. Pipe.	Tensile Strength	IS:1608 (P-1)
217	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness By Dry and Wet sieve	IS 6186
218	MECHANICAL- SOIL AND ROCK	Bentonite	Gel Formation Index	IS 6186
219	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
220	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
221	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling Power	IS 6186
222	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part-16)
223	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear test Cohesion(C)	IS 2720 (Part-13)
224	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear test, Angle of Internal Friction	IS 2720 (Part-13)
225	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
226	MECHANICAL- SOIL AND ROCK	Soil	Grain Size analysis (0.075 to 4.75 mm)	IS:2720 (Part-4)
227	MECHANICAL- SOIL AND ROCK	Soil	Grain Size analysis (19 to 0.075mm)	IS:2720 (Part-4)
228	MECHANICAL- SOIL AND ROCK	Soil	Grain Size By Hydrometer analysis (0.075mm to 0.002 mm)	IS: 2720 (Part-4)
229	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction -Maximum Dry Density	IS:2720 (Part-8)
230	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction- Optimum Moisture Content	IS:2720,(Part-8), RA
231	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction -Maximum Dry Density	IS:2720 (Part-7)
232	MECHANICAL- SOIL AND ROCK	soil	Light Compaction-Optimum Moisture Content	IS 2720 (Part-7)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 13 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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233	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
234	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
235	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3)
236	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part-2)
237	MECHANICAL- TEXTILE MATERIALS	Fibres	Diameter	UNI EN 14889-2
238	MECHANICAL- TEXTILE MATERIALS	Fibres	Length	UNI EN:14889-2
239	MECHANICAL- TEXTILE MATERIALS	Fibres	Linear Density	UNI EN 14889-2
240	MECHANICAL- TEXTILE MATERIALS	Fibres	Tensile Strength	UNI EN 14889-2
241	MECHANICAL- TEXTILE MATERIALS	Geo Textiles	Resistance to Punching	DIN 53857/2
242	MECHANICAL- TEXTILE MATERIALS	Geo Textiles	Resistance to Punching	DIN 54307
243	MECHANICAL- TEXTILE MATERIALS	Geo Textiles	Tensile Strength	DIN 53857/2
244	MECHANICAL- TEXTILE MATERIALS	Geo Textiles	THIKNESS	DIN 53857/2
245	MECHANICAL- TEXTILE MATERIALS	PVC Membrane	Thickness	DIN 53370
246	MECHANICAL- TEXTILE MATERIALS	PVC Membrane	Elongation at Break	DIN 53455
247	MECHANICAL- TEXTILE MATERIALS	PVC Membrane	Shear Strength of Splice with Bitumen	DIN 16726
248	MECHANICAL- TEXTILE MATERIALS	PVC Membrane	Tear Resistance	DIN 53363
249	MECHANICAL- TEXTILE MATERIALS	PVC Membrane	Tensile Strength	DIN 53455
250	MECHANICAL- TEXTILE MATERIALS	PVC Membrane	Thickness	DIN 53370
251	MECHANICAL- TEXTILE MATERIALS	PVC Membrane	Water Absorption	DIN 53495

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5507	**Page No**	14 of 15
Validity	08/09/2021 to 07/09/2023	**Last Amended on**	-

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252	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Rebound Hammer Test	Rebound Hammer	IS 13311 (Part-2)
253	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Ultrasonic Pulse Velocity Test	Ultrasonic Pulse Velocity Test	IS 516 (Part-5/Sec.-1)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5507 **Page No** 15 of 15

Validity 08/09/2021 to 07/09/2023 **Last Amended on** -

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Noise Level	IS:9876
2	MECHANICAL- SOIL AND ROCK	Soil	Field density by Core cutting method	IS 2720 (Part 29)
3	MECHANICAL- SOIL AND ROCK	Soil	Field density by Sand replacement method	IS 2720, (Part 28)
4	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131