



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**LANDMARK MATERIAL TESTING AND RESEARCH
LABORATORY PRIVATE LIMITED**

has been assessed and accredited in accordance with the standard

ISO/IEC 17043: 2010

**"Conformity Assessment - General Requirements for Proficiency
Testing"**

for its facilities at

G200, RIICO INDUSTRIAL AREA, MANSAROVAR, JAIPUR, RAJASTHAN, INDIA

in the field of

PROFICIENCY TESTING PROVIDER

Certificate Number: PC-1011

Issue Date: 12/06/2022

Valid Until:

11/06/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this PT Provider, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity : Landmark Material Testing and Research Laboratory

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PTP Name :

LANDMARK MATERIAL TESTING AND RESEARCH LABORATORY PRIVATE LIMITED,
G200, RIICO INDUSTRIAL AREA, MANSAROVAR, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard

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Validity

12/06/2022 to 11/06/2024

Last Amended on

27/06/2022

S.No	Discipline/ Sub-discipline	Proficiency Testing Scheme/ Type of PT Item/ Matrix	Measurand/ Characteristic/ Type of measurand/ Type of characteristic/ Analyte/ Parameter
1	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Admixture	Ash Content
2	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Admixture	Chloride Ion Concentration
3	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Admixture	Dry Material Content
4	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Admixture	pH
5	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Admixture	Relative Density
6	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Bitumen Emulsion	Stability to mixing with cement
7	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Cement	Alumina
8	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Cement	Calcium Oxide
9	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Cement	Ferric Oxide
10	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Cement	Insoluble Residue
11	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Cement	Loss on Ignition
12	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Cement	Magnesium Oxide
13	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Cement	Silica
14	TESTING-CHEMICAL	Simultaneous Scheme/ Building Material: Cement	Sulphate (as SO ₃)
15	TESTING-CHEMICAL	Simultaneous Scheme/ Metal & Its Alloy: Seel(Carbon Steel/ Alloy Steel)	Manganese



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16	TESTING-CHEMICAL	Simultaneous Scheme/ Metal & Its Alloy: Seel(Carbon Steel/ Alloy Steel)	Silicon
17	TESTING-CHEMICAL	Simultaneous Scheme/ Metal & Its Alloy: Seel(Carbon Steel/ Alloy Steel))	Carbon
18	TESTING-CHEMICAL	Simultaneous Scheme/ Metal & Its Alloy: Seel(Carbon Steel/ Alloy Steel))	Sulphur
19	TESTING-CHEMICAL	Simultaneous Scheme/ Metal & Its Alloy: Steel (Carbon Steel/Alloy Steel)	Mass of Zinc Coating
20	TESTING-CHEMICAL	Simultaneous Scheme/ Metal & Its Alloy: Steel(Carbon Steel / Alloy Steel)	Phosphorus
21	TESTING-CHEMICAL	Simultaneous Scheme/ Soil & Rock: Soil	Chloride Content
22	TESTING-CHEMICAL	Simultaneous Scheme/ Soil & Rock: Soil	Organic Matter
23	TESTING-CHEMICAL	Simultaneous Scheme/ Soil & Rock: Soil	pH
24	TESTING-CHEMICAL	Simultaneous Scheme/ Soil & Rock: Soil	Sulphate Content
25	TESTING-CHEMICAL	Simultaneous Scheme/ Solid Fuels: Coal	Ash Content
26	TESTING-CHEMICAL	Simultaneous Scheme/ Solid Fuels: Coal	Calorific Value
27	TESTING-CHEMICAL	Simultaneous Scheme/ Solid Fuels: Coal	Moisture Content
28	TESTING-CHEMICAL	Simultaneous Scheme/ Solid Fuels: Coal	Volatile Matter
29	TESTING-CHEMICAL	Simultaneous Scheme/ Water: Water for Construction Purpose	Chloride (as Cl)



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30	TESTING-CHEMICAL	Simultaneous Scheme/ Water: Water for Construction Purpose	Inorganic Matter Content
31	TESTING-CHEMICAL	Simultaneous Scheme/ Water: Water for Construction Purpose	Organic Matter Content
32	TESTING-CHEMICAL	Simultaneous Scheme/ Water: Water for Construction Purpose	pH
33	TESTING-CHEMICAL	Simultaneous Scheme/ Water: Water for Construction Purpose	Sulphate (as SO ₃ O)
34	TESTING-CHEMICAL	Simultaneous Scheme/ Water: Water for Construction Purpose	Total Suspended Solid
35	TESTING-CHEMICAL	Simultaneous Scheme/ Water: Water for Construction Purpose	Volume of 0.02 N H ₂ SO ₄ Required to Neutralize 100ml Sample of water using Mixed Indicator
36	TESTING-CHEMICAL	Simultaneous Scheme/ Water: Water for Construction Purpose	Volume of 0.02 N NaOH Required to Neutralize 100ml Sample of water using Phenolphthalein Indicator
37	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: AAC Block	Bulk Density
38	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: AAC Block	Compressive Strength
39	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: AAC Block	Moisture Content
40	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen Emulsion	Coagulation of Emulsion at low Temperature
41	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen Emulsion	Coating Ability and Water Resistance
42	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen Emulsion	Distillation Test
43	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen Emulsion	Miscibility with water



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44	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen Emulsion	Particle Charge
45	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen Emulsion	Storage Stability After 24hr
46	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/ Emulsion	Residue on 600 micron
47	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Absolute Viscosity @ 60 degree celsius
48	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Ductility
49	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Elastic Recovery at 15 degree Celsius
50	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Flash Point
51	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Kinematic Viscosity @ 135 degree celsius
52	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Penetration Test
53	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Residue by Evaporation
54	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Softening Point
55	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Solubility in Trichloroethylene
56	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Specific gravity
57	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Viscosity by Saybolt furol viscometer at 25 degree celsius & at 50 degree celsius



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58	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bitumen/Emulsion	Water content
59	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bituminous Mix	Bitumen Content
60	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bituminous Mix	Density
61	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bituminous Mix	Marshall Stability
62	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bituminous Mix	Maximum Theoretical Specific Gravity (Gmm)
63	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Bituminous Mix	Tensile Strength Ratio
64	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Building Bricks	Compressive Strength
65	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Building Bricks	Dimension test
66	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Building Bricks	Water Absorption
67	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Cement	Compressive Strength
68	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Cement	Consistency
69	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Cement	Density
70	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Cement	Fineness (Blaine Air Permeability Method)
71	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Cement	Fineness Test (Dry)
72	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Cement	Initial Setting Time / Final Setting Time



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73	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Cement	Soundness (Autoclave)
74	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Cement	Soundness (Le-Chatelier method)
75	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse aggregate/ballast	10% Fine Value
76	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse aggregate/ballast	Bulk Density
77	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse aggregate/ballast	Crushing Value
78	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse aggregate/ballast	Elongation Index
79	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse aggregate/ballast	Flakiness Index
80	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse Aggregate/ballast	Impact Value
81	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse aggregate/ballast	Los Angeles Abrasion Value
82	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse aggregate/ballast	Sieve Analysis (Gradation)
83	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse aggregate/ballast	Soundness
84	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse aggregate/ballast	Specific gravity
85	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Coarse aggregate/ballast	Water Absorption
86	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Concrete	Compressive Strength (Cube/Core)
87	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Concrete	Compressive strength by accelerated curing



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88	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Concrete	Density
89	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Concrete	Flexural Strength Test
90	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Concrete	Permeability Test
91	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Concrete	Spilt Tensile Strength test
92	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Concrete	Workability by slump test
93	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Fine Aggregate	Bulk Density
94	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Fine Aggregate	Materials finer than 75 micron
95	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Fine Aggregate	Sand Equivalent Value
96	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Fine Aggregate	Sieve Analysis (Gradation)
97	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Fine Aggregate	Soundness
98	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Fine Aggregate	Specific gravity
99	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Fine Aggregate	Water Absorption
100	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Flyash	Fineness (Blain Air Permeability Method)
101	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Flyash	Residue on 45 micron
102	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Flyash	Soundness (Autoclave)



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103	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Flyash	Soundness (Le-Chatelier method)
104	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: GI Pipe	Nominal Mass
105	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: GI Pipe	Outside Diameter
106	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: GI Pipe	Thickness
107	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Hollow & Solid Concrete Blocks	Block density
108	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Hollow & Solid Concrete Blocks	Compressive Strength
109	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Hollow & Solid Concrete Blocks	Water Absorption
110	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Modified Bitumen	Separation Difference in Softening Point
111	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Paver Block	Abrasion Resistance
112	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Paver Block	Compressive Strength
113	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Paver Block	Dimension test
114	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Paver Block	Water Absorption
115	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Thermoplastic Pipes	Density
116	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Thermoplastic Pipes	Mean Outside Diameter



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S.No	Discipline/ Sub-discipline	Proficiency Testing Scheme/ Type of PT Item/ Matrix	Measurand/ Characteristic/ Type of measurand/ Type of characteristic/ Analyte/ Parameter
117	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Thermoplastic Pipes	Wall Thickness
118	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/ Ceramic/ Vitrified)	Bulk Density
119	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/ Ceramic/ Vitrified)	Thickness
120	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/ Ceramic/ Vitrified)	Water Absorption
121	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/ Ceramic/ Vitrified)	Wet Transverse Strength
122	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/Ceramic/Vitrified)	Breaking Strength
123	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/Ceramic/Vitrified)	Flatness
124	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/Ceramic/Vitrified)	Modulus of Rupture
125	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/Ceramic/Vitrified)	Perpendicularity
126	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/Ceramic/Vitrified)	Rectangularity
127	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/Ceramic/Vitrified)	Resistance to wear



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128	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/Ceramic/Vitrified)	Scratch Hardness of Surface (Moh's Scale)
129	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/Ceramic/Vitrified)	Straightness
130	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Tiles (Concrete/Ceramic/Vitrified)	Water Absorption
131	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Wood/Timber	Moisture Content
132	TESTING-MECHANICAL	Simultaneous Scheme/ Building Material: Wood/Timber	Specific gravity
133	TESTING-MECHANICAL	Simultaneous Scheme/ Building Materials: Plywood	Density
134	TESTING-MECHANICAL	Simultaneous Scheme/ Building, Infrastructure & Construction Materials: Plywood	Moisture Content
135	TESTING-MECHANICAL	Simultaneous Scheme/ Metal & Its Alloy: Seel(Carbon Steel/ Alloy Steel)	Elongation
136	TESTING-MECHANICAL	Simultaneous Scheme/ Metal & Its Alloy: Seel(Carbon Steel/ Alloy Steel)	Nominal Mass
137	TESTING-MECHANICAL	Simultaneous Scheme/ Metal & Its Alloy: Seel(Carbon Steel/ Alloy Steel)	Tensile Strength
138	TESTING-MECHANICAL	Simultaneous Scheme/ Metal & Its Alloy: Seel(Carbon Steel/ Alloy Steel)	Yield Strength
139	TESTING-MECHANICAL	Simultaneous Scheme/ Paper & Paper Products: Paper	Burst strength
140	TESTING-MECHANICAL	Simultaneous Scheme/ Paper & Paper Products: Paper	Cobb Test



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141	TESTING-MECHANICAL	Simultaneous Scheme/ Paper & Paper Products: Paper	Grammage
142	TESTING-MECHANICAL	Simultaneous Scheme/ Paper & Paper Products: Paper	Tensile strength
143	TESTING-MECHANICAL	Simultaneous Scheme/ Paper & Paper Products: Paper	Thickness
144	TESTING-MECHANICAL	Simultaneous Scheme/ Rubber and Rubber Products: Natural Rubber & Products	Density
145	TESTING-MECHANICAL	Simultaneous Scheme/ Rubber and Rubber Products: Natural Rubber & Products	Shore A hardness
146	TESTING-MECHANICAL	Simultaneous Scheme/ Rubber and Rubber Products: Natural Rubber & Products	Tear Strength
147	TESTING-MECHANICAL	Simultaneous Scheme/ Rubber and Rubber Products: Natural Rubber & Products	Tensile Strength
148	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Bentonite	Fineness
149	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Bentonite	Sand Content
150	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Bentonite	Swelling Power
151	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Rock	Brazilian Strength test
152	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Rock	Modulus of Elasticity
153	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Rock	Point Load Strength Index



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154	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Rock	Poisson ratio
155	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Rock	Relative Density
156	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Rock	Unconfined Compressive Strength
157	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Rock	Water content
158	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Stone	Apparent Porosity
159	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Stone	Apparent Specific Gravity
160	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Stone	Compressive Strength
161	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Stone	Scratch Hardness (Mohs' Scale)
162	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Stone	True Specific Gravity
163	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Natural Stone	Water Absorption
164	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Consolidation (Cc)
165	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Density by Core Cutter
166	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Density by Sand Replacement
167	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Direct Shear Test- Cohesion Intercept (C)
168	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Direct Shear Test-Angle of Shear Resistance (phi)



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169	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Earth Resistivity Test
170	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Free Swell Index
171	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Heavy Compaction Test - Dry Density
172	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Heavy Compaction Test - Moisture Content
173	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Light Compaction Test - Dry Density
174	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Light Compaction Test - Moisture Content
175	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Permeability Test (Constant Head)
176	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Permeability Test (Falling Head)
177	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Rapid Determination of moisture content using calcium carbide
178	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Swelling Pressure
179	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Tri-axial without pore water pressure -Angle of Shear Plane (phi)
180	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Tri-axial without pore water pressure Cohesion (C)
181	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil	Unconfined Compressive Strength
182	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil /Bentonite	California Bearing Ratio (CBR)
183	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil /Bentonite	Dry sieve analysis



National Accreditation Board for Testing and Calibration Laboratories

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Accreditation Standard ISO/IEC 17043: 2010

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Validity 12/06/2022 to 11/06/2024 **Last Amended on** 27/06/2022

S.No	Discipline/ Sub-discipline	Proficiency Testing Scheme/ Type of PT Item/ Matrix	Measurand/ Characteristic/ Type of measurand/ Type of characteristic/ Analyte/ Parameter
184	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil /Bentonite	Hydrometer Analysis
185	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil /Bentonite	Liquid Limit
186	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil /Bentonite	Specific gravity
187	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil /Bentonite	Wet Sieve Analysis
188	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil/ Bentonite	Plastic Limit
189	TESTING-MECHANICAL	Simultaneous Scheme/ Soil & Rock: Soil/Bentonite	Shrinkage Limit
190	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Fabric/Textile	Breaking Force by Grab Method
191	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Fabric/Textile	Breaking Force by Strip Method
192	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Fabric/Textile	Bursting Strength (Ball Burst MMethod)
193	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Fabric/Textile	Bursting Strength (Diaphragm Bursting Tester)
194	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Fabric/Textile	Mass per Unit Area
195	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Fabric/Textile	Tear resistance
196	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Fabric/Textile	Tensile Strength
197	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Fabric/Textile	Threads per Unit Length
198	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Geo Textile	Index Puncture Resistance



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S.No	Discipline/ Sub-discipline	Proficiency Testing Scheme/ Type of PT Item/ Matrix	Measurand/ Characteristic/ Type of measurand/ Type of characteristic/ Analyte/ Parameter
199	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Geo Textile	Mass per Unit Area
200	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Geo Textile	Static Puncture Strength (CBR Push Through)
201	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Geo Textile	Wide Width Tensile Strength
202	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Geogrid	Tensile Strength
203	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Geogrid	Thickness (Rib & Junction)
204	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Yarn	Determination of Twist
205	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Yarn	Linear Density of Spun Yarn
206	TESTING-MECHANICAL	Simultaneous Scheme/ Textile: Yarn	Single Thread Strength
207	TESTING-MECHANICAL	Simultaneous Scheme/ Textiles: Geo Textile	Trapezoid Tearing Strength
208	TESTING-NON-DESTRUCTIVE	Sequential Scheme/ Building Material: Concrete	Carbonation
209	TESTING-NON-DESTRUCTIVE	Sequential Scheme/ Building Material: Concrete	Cover Depth
210	TESTING-NON-DESTRUCTIVE	Sequential Scheme/ Building Material: Concrete	Pile Integrity Test
211	TESTING-NON-DESTRUCTIVE	Sequential Scheme/ Building Material: Reinforced Cement Concrete	Half Cell Potential
212	TESTING-NON-DESTRUCTIVE	Sequential Scheme/ Building Material: Reinforced Cement Concrete	Rebound Hammer Number
213	TESTING-NON-DESTRUCTIVE	Sequential Scheme/ Building Material: Reinforced Concrete Structures	Ultrasonic Pulse Velocity (UPV)