National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	NANJI KALABHAI PATEL & COMPANY (NKPC), PLOT NO. 515, PHASE - II, NEW G.I.D.C, GUNDLAV, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6617	**Page No**	1 of 12
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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content -by Volumetric Method	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Dissolved Silica	IS 2386 (Part 7)
7	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Agregate	Organic Impurities	IS 2386 (Part 2)
8	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Agregate	Reduction in Alkalinity	IS 2386 (Part 7)
9	CHEMICAL- BUILDING MATERIAL	Curing Compound	pH	BS 7542
10	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Chlorides	IS 14959 (Part 2)
11	CHEMICAL- BUILDING MATERIAL	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC Cement	Alumina Oxide (Al2O3)	IS 4032
12	CHEMICAL- BUILDING MATERIAL	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC Cement	Calcium Oxide (CaO)	IS 4032
13	CHEMICAL- BUILDING MATERIAL	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC Cement	Chloride (Cl)	IS 4032
14	CHEMICAL- BUILDING MATERIAL	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC Cement	Ferric Oxide (Fe2O3)	IS 4032
15	CHEMICAL- BUILDING MATERIAL	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC Cement	Insoluble Residue	IS 4032
16	CHEMICAL- BUILDING MATERIAL	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC Cement	Loss on Ignition	IS 4032
17	CHEMICAL- BUILDING MATERIAL	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC Cement	Magnesium Oxide (MgO)	IS 4032
18	CHEMICAL- BUILDING MATERIAL	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC Cement	Silica (Sio2)	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC Cement	Sulphuric Anhydride (SO3)	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Sand	Loss on Ignition	IS 1917 (Part 1)
21	CHEMICAL- BUILDING MATERIAL	Sand	Silica	IS 1917 (Part 3)
22	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate	IS 2720 (Part 23)
23	CHEMICAL- SOIL AND ROCK	Soil	Loss on Ignition	BS 1377-3
24	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 (Part 22)/ASTM-2974
25	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (Part 26)
26	CHEMICAL- SOIL AND ROCK	Soil	Sulphate	IS 2720 (Part 27)
27	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Solids	IS 2720 (Part 21)
28	CHEMICAL- WATER	Construction Water	Acidity (To Neutralize 100 ml sample, 0.02N NaOH required)	IS 3025 (Part 22)
29	CHEMICAL- WATER	Construction Water	Alkalinity (To Neutralize 100 sample, 0.02 N H2SO4 required)	IS 3025 (Part 23)
30	CHEMICAL- WATER	Construction Water	Chloride (Cl) -by Argentometric Method	IS 3025 (Part 32)
31	CHEMICAL- WATER	Construction Water	Fixed Residue (Inorganic)	IS 3025 Part 18
32	CHEMICAL- WATER	Construction Water	pH -by Electrometric Method	IS 3025 (Part 11)
33	CHEMICAL- WATER	Construction Water	Sulphate as SO3 -by Gravimetric Method	IS 3025 (Part 24)
34	CHEMICAL- WATER	Construction Water	Total Dissolved Solids	IS 3025 (Part 16)
35	CHEMICAL- WATER	Construction Water	Total Suspended Solids -by Gravimetric Method	IS 3025 (Part 17)
36	CHEMICAL- WATER	Construction Water	Volatile Residue (Organic)	IS 3025 : Part 18
37	CHEMICAL- WATER	Drinking Water	Chloride - By Argentometric method	IS 3025 (Part 32)
38	CHEMICAL- WATER	Drinking Water	Clacium -by EDTA Titrimetric method	IS 3025 (Part 40)

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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
39	CHEMICAL- WATER	Drinking Water	Clorine Residual -by Idiometric Method	IS 3025 (Part 26)
40	CHEMICAL- WATER	Drinking Water	Flouride	IS 3025 (Part 60)
41	CHEMICAL- WATER	Drinking Water	Magnesium -by Gravimetric Method	APHA:3500 Mg-B
42	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
43	CHEMICAL- WATER	Drinking Water	pH - By Electometric Method	IS 3025 (Part 11)
44	CHEMICAL- WATER	Drinking Water	Sulpahte as SO4 by Gravimetric Method	IS 3025 (Part 24)
45	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS 3025 (Part 23)
46	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
47	CHEMICAL- WATER	Drinking Water	Total Hardness - by EDTA Method	IS 3025 (Part 21)
48	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
49	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Block Density	IS 6441 (Part 5)
50	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Compressive Strength	IS 6441 (Part 5)
51	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Dimensions (Height)	IS 2185 (Part 3)
52	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Dimensions (Length)	IS 2185 (Part 3)
53	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Dimensions (Width)	IS 2185 (Part 3)
54	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
55	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
56	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
57	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
58	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
59	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205

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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
60	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
61	MECHANICAL- BUILDINGS MATERIALS	Bitumen mix	Binder Content	IRC SP 11/ASTM D 2172
62	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Density	ASTM D 2726
63	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Flow	ASTM D 6927
64	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Stability	ASTM D 6927
65	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Compressive Strength	IS 1121 (Part 1)
66	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Scratch Hardness of Surface According to Mohs' Scale	IS 13630 (Part 13)
67	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Specific Gravity	IS 1124
68	MECHANICAL- BUILDINGS MATERIALS	Building Stone	True Specific Gravity	IS 1122
69	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Water Absorption	IS 1124
70	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Building Brick/Fly Ash Building Brick	Compressive Strength	IS 3495 (Part 1)
71	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Building Brick/Fly Ash Building Brick	Dimensions (Height)	IS 1077, IS 13757
72	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Building Brick/Fly Ash Building Brick	Dimensions (Length)	IS 1077, IS 13757
73	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Building Brick/Fly Ash Building Brick	Dimensions (Width)	IS 1077, IS 13757
74	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Building Brick/Fly Ash Building Brick	Efflorescence	IS 3495 (Part 3)
75	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Building Brick/Fly Ash Building Brick	Water Absorption	IS 3495 (Part 2)
76	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles/Pressed Ceramic (Vitrified) Tiles	Dimension (Rectangularity)	IS 15622
77	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles/Pressed Ceramic (Vitrified) Tiles	Dimension (Straightness)	IS 15622
78	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles/Pressed Ceramic (Vitrified) Tiles	Dimension (Surface Flatness)	IS 15622

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79	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles/Pressed Ceramic (Vitrified) Tiles	Dimensions (Length)	IS 15622
80	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles/Pressed Ceramic (Vitrified) Tiles	Dimensions (Thickness)	IS 15622
81	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles/Pressed Ceramic (Vitrified) Tiles	Dimensions (Width)	IS 15622
82	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles/Pressed Ceramic (Vitrified) Tiles	Water Absorption	IS 13630 (Part 2)
83	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (Part 4)
84	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4)
85	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
86	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material	IS 2386 (Part 2)
87	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
88	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
89	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Gradation - Sieve Analysis	IS 2386 (Part 1)
90	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
91	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Striping Value	IS 6241
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
94	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
95	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Finer than 75 microns	IS 2386 (Part 1)
96	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by MgSO4	IS 2386 (Part 5)
97	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by Na2SO4	IS 2386 (Part 5)

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98	MECHANICAL- BUILDINGS MATERIALS	Concrete Mix	Slump Test	IS 1199
99	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material	IS 2386 (Part 2)
100	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Gradation)	IS 2386 (Part 1)
101	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate/Sand	Bulk Density	IS 2386 (Part 3)
102	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate/Sand	Specific Gravity	IS 2386 (Part 3)
103	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate/Sand	Water Absorption	IS 2386 (Part 3)
104	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates/Sand	Finer than 75 micron	IS 2386 (Part 1)
105	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates/Sand	Soundness by MgSO4	IS 2386 (Part 5)
106	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates/Sand	Soundness by Na2SO4	IS 2386 (Part 5)
107	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Core/ Cube/Cylinders	Compressive Strength	IS 516 (Part 1(Sec-1))
108	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Core/ Cube/Cylinders	Permeability of Concrete	IS 516:Part 2:Sec 2
109	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Core/ Cube/Cylinders	Split Tensile Strength	IS 516 Part 1:Sec 1
110	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Block Density	IS 2185 (Part 1)
111	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1)
112	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimensions (Height)	IS 2185 (Part 1)
113	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimensions (Length)	IS 2185 (Part 1)
114	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimensions (Width)	IS 2185 (Part 1)
115	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (Part 1)
116	MECHANICAL- BUILDINGS MATERIALS	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC	Compressive Strength	IS 4031 (Part 6)

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117	MECHANICAL- BUILDINGS MATERIALS	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC	Density	IS 4031 (Part 11)
118	MECHANICAL- BUILDINGS MATERIALS	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC	Fineness by Blaine's air Permeability (OPC,PPC)	IS 4031 (Part 2)
119	MECHANICAL- BUILDINGS MATERIALS	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC	Fineness by Dry Sieving	IS 4031 (Part 1)
120	MECHANICAL- BUILDINGS MATERIALS	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC	Setting Time - Final	IS 4031 (Part 5)
121	MECHANICAL- BUILDINGS MATERIALS	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC	Setting Time - Initial	IS 4031 (Part 5)
122	MECHANICAL- BUILDINGS MATERIALS	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC	Soundness - Le Chatelier	IS 4031 (Part 3)
123	MECHANICAL- BUILDINGS MATERIALS	OPC -33 Grade OPC -43 Grade OPC -53 Grade PPC	Standard Consistency	IS 4031 (Part 4)
124	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Abrasion Resistance	IS 15658 Annex.E
125	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Compressive Strength	IS 15658 Annex.D
126	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Dimensions (Height)	IS 15658 Annex.B
127	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Dimensions (Length)	IS 15658 Annex.B
128	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Dimensions (Width)	IS 15658 Annex.B
129	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Flexural Strength/Breaking Load	IS 15658 Annex.G
130	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Water Absorption	IS 15658 Annex.C
131	MECHANICAL- BUILDINGS MATERIALS	Plain & Chequered Tiles	Flatness of Surface	IS 13801 Annex B
132	MECHANICAL- BUILDINGS MATERIALS	Plain & Chequered Tiles	Perpendicularity	IS 13801 Annex C
133	MECHANICAL- BUILDINGS MATERIALS	Plain & Chequered Tiles	Resistance to Wear	IS 13801 Annex G
134	MECHANICAL- BUILDINGS MATERIALS	Plain & Chequered Tiles	Straightness	IS 13801 Annex D
135	MECHANICAL- BUILDINGS MATERIALS	Plain & Chequered Tiles	Water Absorption	IS 13801 Annex E

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136	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement & Structural Steel	% Elongation	IS 1608 (Part 1)
137	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement & Structural Steel	Bend Test	IS 1599
138	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement & Structural Steel	Ultimate Tensile Strength	IS 1608 (Part 1)
139	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement & Structural Steel	Yield Strength	IS 1608 (Part 1)
140	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Re-bend Test	IS 1786
141	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
142	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
143	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
144	MECHANICAL- SOIL AND ROCK	Rock	Rock Hardness	IS 13630 (Part 13)
145	MECHANICAL- SOIL AND ROCK	Rock	Uniaxial Compressive Strength	IS 9143
146	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 13030
147	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
148	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test - Cc	IS 2720 (Part 15)
149	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test - CV	IS 2720 (Part 15)
150	MECHANICAL- SOIL AND ROCK	Soil	Digital Plate Load Test	JGS 1521
151	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil by Core Cutter (FMC)	IS 2720 (Part 29)
152	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil by Sand Replacement (FMC)	IS 2720 (Part 28)

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153	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
154	MECHANICAL- SOIL AND ROCK	Soil	Gradation - Grain Size Analysis (Wet Sieving)	IS 2720 (Part 4)
155	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis - by Hydrometer (Clay)	IS 2720 (Part 4)
156	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis - by Hydrometer (Silt)	IS 2720 (Part 4)
157	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
158	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
159	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
160	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
161	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
162	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
163	MECHANICAL- SOIL AND ROCK	Soil	Permeability By Constant Head Method	IS 2720 (Part 17)
164	MECHANICAL- SOIL AND ROCK	Soil	Permeability By Falling Head Method	IS 2720 (Part 17)
165	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
166	MECHANICAL- SOIL AND ROCK	SOIL	Relative Density (Max.)	IS 2720 (Part 14)
167	MECHANICAL- SOIL AND ROCK	SOIL	Relative Density (Min.)	IS 2720 (Part 14)
168	MECHANICAL- SOIL AND ROCK	Soil	Shear Strength By Triaxial - CU (Angle of Fricition - Phi)	IS 2720 (Part 12)
169	MECHANICAL- SOIL AND ROCK	Soil	Shear Strength By Triaxial - CU (Cohesion - C)	IS 2720 (Part 12)
170	MECHANICAL- SOIL AND ROCK	Soil	Shear Strength By Triaxial - UU (Angle of Fricition - Phi)	IS 2720 (Part 11)
171	MECHANICAL- SOIL AND ROCK	Soil	Shear Strength By Triaxial - UU (Cohesion - C)	IS 2720 (Part 11)

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172	MECHANICAL- SOIL AND ROCK	Soil	Shear strength Direct Shear Test (Angle of Fricition - Phi)	IS 2720 (Part 13)
173	MECHANICAL- SOIL AND ROCK	Soil	Shear strength Direct Shear Test (Cohesion - C)	IS 2720 (Part 13)
174	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
175	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity - Fine Grained Soil	IS 2720 (Part 3/Sec 1
176	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
177	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength (UCS)	IS 2720 (Part 10)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Site Facility				
1	MECHANICAL- SOIL AND ROCK	Deflection of Pavement	Benkelman Beam	IRC 081
2	MECHANICAL- SOIL AND ROCK	Field Load Test	Deformation and Strength of Soil by Plate Loading Test (EV2)	DIN 18134
3	MECHANICAL- SOIL AND ROCK	Field Load Test	Pile Load Test (LOAD)	IS 2911 (Part 4)
4	MECHANICAL- SOIL AND ROCK	Field Load Test	Pile Load Test (SETTLEMENT)	IS 2911 (Part 4)
5	MECHANICAL- SOIL AND ROCK	Field Load Test	Plate Load Test (LOAD)	IS 1888
6	MECHANICAL- SOIL AND ROCK	Field Load Test	Plate Load Test (SETTLEMENT)	IS 1888
7	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil by Core Cutter (FDD)	IS 2720 (Part 29)
8	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil by Sand Replacement (FDD)	IS 2720 (Part 28)
9	MECHANICAL- SOIL AND ROCK	Soil	Dynamic Cone Penetration Test	IS 4968 (Part 1)
10	MECHANICAL- SOIL AND ROCK	Soil	Field CBR	IS 2720 (Part 31)
11	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration - N Value	IS 2131
12	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Rapid Moisture Meter	IS 2720 (Part 2/Sec 5
13	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Pile Integrity test	ASTM D 5882
14	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Cover Meter Test	BS 1881 (Part 204)
15	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half cell Potential Test	ASTM C876

SCOPE OF ACCREDITATION

Laboratory Name :	NANJI KALABHAI PATEL & COMPANY (NKPC), PLOT NO. 515, PHASE - II, NEW G.I.D.C, GUNDLAV, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
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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
16	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Pile Integrity Test	IS 14893
17	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 4(Sec-1))
18	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforcement Concrete Structures	Depth of Carbonation	IS:516(Part 5/Sec 3)
19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforcement Concrete Structures	Rebound Hammer Test	IS 516 (Part 5 (Sec-4))