National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 1 of 23

Validity 19/05/2023 to 18/05/2025 **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- BUILDING MATERIAL	Cement (OPC, PPC, PSC, SRPC, Composite)	Aluminum Oxide (Al2O3)	IS 4032
2	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC, SRPC, Composite)	Calcium Oxide (CaO)	IS 4032
3	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC, SRPC, Composite)	Chloride (Cl)	IS 4032
4	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC, SRPC, Composite)	Insoluble Residue	IS 4032
5	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC, SRPC, Composite)	Iron Oxide (Fe2O3)	IS 4032
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC, SRPC, Composite)	Loss on Ignition	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC, SRPC, Composite)	Magnesium Oxide (MgO)	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC, SRPC, Composite)	Silicon Dioxide (SiO2)	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC, SRPC, Composite)	Sulphuric Anhydride (SO3)	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity (Dissolved Silica)	IS 2386 (Part 7)
11	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity (Reduction in Alkalinity)	IS 2386 (Part 7)
12	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Chloride (Cl)	BS EN 1744-1
13	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Organic Impurities	IS 2386 (Part 2)
14	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Sulphate (SO3)	BS EN 1744-1
15	CHEMICAL- BUILDING MATERIAL	Concrete	Chloride (Cl)	IS 14959 (Part 2)
16	CHEMICAL- BUILDING MATERIAL	Concrete	Sulphate (SO3)	BS 1881 (Part 124)
17	CHEMICAL- BUILDING MATERIAL	Concrete Admixtures	Ash Content	IS 9103
18	CHEMICAL- BUILDING MATERIAL	Concrete Admixtures	Chloride Ion Content	IS 6925

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 2 of 23

Validity 19/05/2023 to 18/05/2025 **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
19	CHEMICAL- BUILDING MATERIAL	Concrete Admixtures	Dry Material Content	IS 9103
20	CHEMICAL- BUILDING MATERIAL	Concrete Admixtures	pH	IS 9103
21	CHEMICAL- BUILDING MATERIAL	Concrete Admixtures	Relative Density	IS 9103
22	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity (Dissolved Silica)	IS 2386 (Part 7)
23	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity (Reduction in Alkalinity)	IS 2386 (Part 7)
24	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Chloride (Cl)	BS EN 1744-1
25	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impurities	IS 2386 (Part 2)
26	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Sulphate (SO3)	BS EN 1744-1
27	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Aluminum Oxide (Al2O3)	IS 4032
28	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Calcium Oxide (CaO)	IS 4032
29	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Chloride (Cl)	IS 4032
30	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Insoluble Residue	IS 4032
31	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Loss on Ignition	IS 4032
32	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Magnesium Oxide (MgO)	IS 4032
33	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Manganese Oxide (MnO)	IS 4032
34	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Moisture Content	IS 16714 (Annex B)
35	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Silicon Dioxide (SiO2)	IS 4032
36	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Sulphuric Anhydride (SO3)	IS 4032
37	CHEMICAL- BUILDING MATERIAL	Pozzolana / Fly Ash	Aluminum Oxide (Al2O3)	IS 1727

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 3 of 23

Validity 19/05/2023 to 18/05/2025 **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
38	CHEMICAL- BUILDING MATERIAL	Pozzolana / Fly Ash	Chloride (Cl)	IS 4032
39	CHEMICAL- BUILDING MATERIAL	Pozzolana / Fly Ash	Iron Oxide (Fe2O3)	IS 1727
40	CHEMICAL- BUILDING MATERIAL	Pozzolana / Fly Ash	Loss on Ignition	IS 1727
41	CHEMICAL- BUILDING MATERIAL	Pozzolana / Fly Ash	Magnesium Oxide (MgO)	IS 1727
42	CHEMICAL- BUILDING MATERIAL	Pozzolana / Fly Ash	Moisture Content	IS 3812 (Part 1)
43	CHEMICAL- BUILDING MATERIAL	Pozzolana / Fly Ash	Silicon Dioxide (SiO2)	IS 1727
44	CHEMICAL- BUILDING MATERIAL	Pozzolana / Fly Ash	Total Sulphur (SO3)	IS 1727
45	CHEMICAL- BUILDING MATERIAL	Silica Fume / Micro Silica	Loss on Ignition	IS 1727
46	CHEMICAL- BUILDING MATERIAL	Silica Fume / Micro Silica	Moisture Content	IS 15388 (Table 1)
47	CHEMICAL- BUILDING MATERIAL	Silica Fume / Micro Silica	Silicon Dioxide (SiO2)	IS 1727
48	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium (Al)	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium (Al)	IS 8811
50	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron (B)	ASTM E415
51	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron (B)	IS 8811
52	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon (C)	ASTM E415
53	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon (C)	IS 8811
54	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium (Cr)	ASTM E415
55	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium (Cr)	IS 8811
56	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper (Cu)	ASTM E415

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Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 4 of 23

Validity 19/05/2023 to 18/05/2025 **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
57	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper (Cu)	IS 8811
58	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese (Mn)	ASTM E415
59	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese (Mn)	IS 8811
60	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum (Mo)	ASTM E415
61	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum (Mo)	IS 8811
62	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel (Ni)	ASTM E415
63	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel (Ni)	IS 8811
64	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium (Nb)	ASTM E415
65	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium (Nb)	IS 8811
66	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous (P)	ASTM E415
67	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous (P)	IS 8811
68	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon (Si)	ASTM E415
69	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon (Si)	IS 8811
70	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur (S)	ASTM E415
71	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur (S)	IS 8811
72	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium (Ti)	ASTM E415
73	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium (Ti)	IS 8811
74	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium (V)	ASTM E415
75	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium (V)	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 5 of 23

Validity 19/05/2023 to 18/05/2025 **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
76	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	ASTM E1086
77	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	IS 9879
78	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	ASTM E1086
79	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	IS 9879
80	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	ASTM E1086
81	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	IS 9879
82	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	ASTM E1086
83	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	IS 9879
84	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	ASTM E1086
85	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	IS 9879
86	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	ASTM E1086
87	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	IS 9879
88	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous (P)	ASTM E1086
89	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous (P)	IS 9879
90	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	ASTM E1086
91	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	IS 9879
92	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	ASTM E1086
93	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	IS 9879
94	CHEMICAL- SOIL AND ROCK	Bentonite	Gel Formation Index	IS 6186

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 6 of 23

Validity 19/05/2023 to 18/05/2025 **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
95	CHEMICAL- SOIL AND ROCK	Bentonite	Loss on Ignition	IS 6186
96	CHEMICAL- SOIL AND ROCK	Bentonite	pH	IS 6186
97	CHEMICAL- SOIL AND ROCK	Earthing Compound	Methylene Blue Index	ASTM C837
98	CHEMICAL- SOIL AND ROCK	Earthing Compound	pH	IS 2720 (Part 26)
99	CHEMICAL- SOIL AND ROCK	Soil	Chloride (Cl)	BS 1377 (Part 3)
100	CHEMICAL- SOIL AND ROCK	Soil	Organic Content	IS 2720 (Part 22)
101	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (Part 26)
102	CHEMICAL- SOIL AND ROCK	Soil	Sulphate (SO4)	IS 2720 (Part 27)
103	CHEMICAL- SOIL AND ROCK	Soil	TDS	IS 2720 (Part 21)
104	CHEMICAL- WATER	Construction Water	Acidity	IS 3025 (Part 22)
105	CHEMICAL- WATER	Construction Water	Alkanity	IS 3025 (Part 23)
106	CHEMICAL- WATER	Construction Water	Chlorides (Cl)	IS 3025 (Part 32)
107	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (Part 18)
108	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18)
109	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
110	CHEMICAL- WATER	Construction Water	Sulphite (SO3)	IS 3025 (Part 24/Sec 1)
111	CHEMICAL- WATER	Construction Water	Suspended Matter	IS 3025 (Part 17)
112	CHEMICAL- WATER	Construction Water	Total Dissolved Solid	IS 3025 (Part 16)
113	CHEMICAL- WATER	Ground Water, Bore Water	Calcium (Ca)	IS 3025 (Part 40)
114	CHEMICAL- WATER	Ground Water, Bore Water	Chlorides (Cl)	IS 3025 (Part 32)
115	CHEMICAL- WATER	Ground Water, Bore Water	Conductivity	IS 3025 (Part 14)
116	CHEMICAL- WATER	Ground Water, Bore Water	Magnesium (Mg)	IS 3025 (Part 46)
117	CHEMICAL- WATER	Ground Water, Bore Water	Organic Matter	IS 3025 (Part 18)
118	CHEMICAL- WATER	Ground Water, Bore Water	pH	IS 3025 (Part 11)
119	CHEMICAL- WATER	Ground Water, Bore Water	Sulphate (SO4)	IS 3025 (Part 24/Sec 1)

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Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 7 of 23

Validity 19/05/2023 to 18/05/2025 **Last Amended on** -

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120	CHEMICAL- WATER	Ground Water, Bore Water	Sulphite (SO3)	IS 3025 (Part 28)
121	CHEMICAL- WATER	Ground Water, Bore Water	Total Dissolved Solid	IS 3025 (Part 16)
122	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Bulk Density	ASTM C1693
123	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Bulk Density	IS 6441 (Part 1)
124	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Compressive Strength	ASTM C1693
125	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Compressive Strength	IS 6441 (Part 5)
126	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Dimension - Height	ASTM C1693
127	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Dimension - Height	IS 2185 (Part 3)
128	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Dimension - Length	ASTM C1693
129	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Dimension - Length	IS 2185 (Part 3)
130	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Dimension - Thickness	ASTM C1693
131	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Dimension - Thickness	IS 2185 (Part 3)
132	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Drying Shrinkage	ASTM C1693
133	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Drying Shrinkage	IS 6441 (Part 2)
134	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Moisture Content	ASTM C1693
135	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Moisture Content	IS 6441 (Part 1)
136	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
137	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
138	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
139	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 8 of 23

Validity 19/05/2023 to 18/05/2025 **Last Amended on** -

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140	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
141	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
142	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
143	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
144	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
145	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Compacted Density	ASTM D2726
146	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow Value	ASTM D6927
147	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
148	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Theoretical Maximun Density	ASTM D2041
149	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
150	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Height	IS 1077
151	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Height	IS 12894
152	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Height	IS 13757
153	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Length	IS 1077
154	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Length	IS 12894
155	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Length	IS 13757
156	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Width	IS 1077
157	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Width	IS 12894
158	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Width	IS 13757

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 9 of 23

Validity 19/05/2023 to 18/05/2025 **Last Amended on** -

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159	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
160	MECHANICAL- BUILDINGS MATERIALS	Bricks	Initial Rate of Absorption	IS 3495 (Part 5)
161	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
162	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Compressive Strength	IS 1121 (Part 1)
163	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Hardness (Mohs)	IS 13630 (Part 13)
164	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Specific Gravity	IS 1124
165	MECHANICAL- BUILDINGS MATERIALS	Building Stone	True Specific Gravity	IS 1122
166	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Water Absorption	IS 1124
167	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, SRPC, Composite)	Compressive Strength	IS 4031 (Part 6)
168	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, SRPC, Composite)	Consistency	IS 4031 (Part 4)
169	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, SRPC, Composite)	Density	IS 4031 (Part 11)
170	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, SRPC, Composite)	Drying Shrinkage	IS 4031 (Part 10)
171	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, SRPC, Composite)	Final Setting Time	IS 4031 (Part 5)
172	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, SRPC, Composite)	Fineness by Blaine Air Permeability	IS 4031 (Part 2)
173	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, SRPC, Composite)	Fineness by Dry Sieving	IS 4031 (Part 1)
174	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, SRPC, Composite)	Initial Setting Time	IS 4031 (Part 5)
175	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, SRPC, Composite)	Soundness by Le-Chatelier	IS 4031 (Part 3)
176	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, SRPC, Composite)	Transverse Strength	IS 4031 (Part 8)
177	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension - Breadth	IS 1237

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 10 of 23

Validity 19/05/2023 to 18/05/2025 **Last Amended on** -

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178	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension - Length	IS 1237
179	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension - Thickness	IS 1237
180	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Straightness	IS 1237 (Annex D)
181	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Thickness of Wearing Layer	IS 1237
182	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS 1237 (Annex E)
183	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Wet Transverse Strength	IS 1237 (Annex F)
184	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Breaking Strength	IS 13630 (Part 6)
185	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Bulk Density	IS 13630 (Part 2)
186	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Dimension - Length	IS 13630 (Part 1)
187	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Dimension - Thickness	IS 13630 (Part 1)
188	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Dimension - Width	IS 13630 (Part 1)
189	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Hardness (Mohs)	IS 13630 (Part 13)
190	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Modulus of Rupture	IS 13630 (Part 6)
191	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Rectangularity	IS 13630 (Part 1)
192	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Straightness	IS 13630 (Part 1)
193	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Surface Flatness- Centre Curvature	IS 13630 (Part 1)
194	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Surface Flatness- Edge Curvature	IS 13630 (Part 1)
195	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Surface Flatness-Warpage	IS 13630 (Part 1)
196	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Water Absorption	IS 13630 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 11 of 23

Validity 19/05/2023 to 18/05/2025 **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
197	MECHANICAL- BUILDINGS MATERIALS	Checkered Cement Concrete Tiles	Dimension - Breadth	IS 13801
198	MECHANICAL- BUILDINGS MATERIALS	Checkered Cement Concrete Tiles	Dimension - Length	IS 13801
199	MECHANICAL- BUILDINGS MATERIALS	Checkered Cement Concrete Tiles	Dimension - Thickness	IS 13801
200	MECHANICAL- BUILDINGS MATERIALS	Checkered Cement Concrete Tiles	Straightness	IS 13801
201	MECHANICAL- BUILDINGS MATERIALS	Checkered Cement Concrete Tiles	Thickness of Wearing Layer	IS 13801
202	MECHANICAL- BUILDINGS MATERIALS	Checkered Cement Concrete Tiles	Water Absorption	IS 13801
203	MECHANICAL- BUILDINGS MATERIALS	Checkered Cement Concrete Tiles	Wet Transverse Strength	IS 13801
204	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% fines Value	IS 2386 (Part 4)
205	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4)
206	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
207	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
208	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Materials	IS 2386 (Part 2)
209	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
210	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
211	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
212	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Resistivity	AASHTO T288
213	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm to 100mm)	IS 2386 (Part 1)
214	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by MgSO4	IS 2386 (Part 5)
215	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2SO4	IS 2386 (Part 5)

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 12 of 23

Validity 19/05/2023 to 18/05/2025 **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
216	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
217	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241
218	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
219	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 (Part 1/Sec 1)
220	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow / Solid)	Block Density	IS 2185 (Part 1)
221	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow / Solid)	Compressive Strength	IS 2185 (Part 1)
222	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow / Solid)	Dimension - Height	IS 2185 (Part 1)
223	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow / Solid)	Dimension - Length	IS 2185 (Part 1)
224	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow / Solid)	Dimension - Width	IS 2185 (Part 1)
225	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow / Solid)	Drying Shrinkage	IS 2185 (Part 1)
226	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow / Solid)	Moisture Movement	IS 2185 (Part 1)
227	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow / Solid)	Water Absorption	IS 2185 (Part 1)
228	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
229	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube / Cylinder	Compressive Strength	IS 516 (Part 1/Sec 1)
230	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube / Cylinder	Compressive Strength of Accelerated Cured Concrete	IS 9013
231	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube / Cylinder	Split Tensile Strength	IS 516 (Part 1/Sec 1)
232	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube / Cylinder / Core	Density of Hardened Concrete	IS 516 (Part 2/Sec 1)
233	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube / Cylinder / Core	Depth of Water Penetration Under Pressure	IS 516 (Part 2/Sec 1)
234	MECHANICAL- BUILDINGS MATERIALS	Concrete Cylinder	Depth of Water Penetration Under Pressure	IRS Concrete Bridge Code

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 13 of 23

Validity 19/05/2023 to 18/05/2025 **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
235	MECHANICAL- BUILDINGS MATERIALS	Concrete Cylinder	Modulus of Elasticity (E Value)	IS 516 (Part 8/Sec 1)
236	MECHANICAL- BUILDINGS MATERIALS	Concrete Cylinder / Core	Rapid Chloride Ion Penetration	ASTM C1202
237	MECHANICAL- BUILDINGS MATERIALS	Concrete Mix Design	Slump Cone Test	IS 1199 (Part 2)
238	MECHANICAL- BUILDINGS MATERIALS	Concrete Prism	Drying Shrinkage	IS 516 (Part 6)
239	MECHANICAL- BUILDINGS MATERIALS	Concrete Prism	Moisture Movement	IS 516 (Part 6)
240	MECHANICAL- BUILDINGS MATERIALS	Construction Admixture / Water Proofing Compound / Bonding Products	Marsh Cone Test	ASTM D6910
241	MECHANICAL- BUILDINGS MATERIALS	Earthing Electrode / Conductors	Bend Test	IEC 62561-2
242	MECHANICAL- BUILDINGS MATERIALS	Earthing Electrode / Conductors	Coating Adherence Test	IEC 62561-2
243	MECHANICAL- BUILDINGS MATERIALS	Earthing Electrode / Conductors	Coating Thickness	IEC 62561-2
244	MECHANICAL- BUILDINGS MATERIALS	Earthing Electrode / Conductors	Elongation after Fracture	ISO 6892 (Part 1)
245	MECHANICAL- BUILDINGS MATERIALS	Earthing Electrode / Conductors	Resistivity	IEC 62561-2
246	MECHANICAL- BUILDINGS MATERIALS	Earthing Electrode / Conductors	Ultimate Tensile Strength	ISO 6892 (Part 1)
247	MECHANICAL- BUILDINGS MATERIALS	Earthing Electrode / Conductors	Weight/meter	ISO 6892 (Part 1)
248	MECHANICAL- BUILDINGS MATERIALS	Earthing Electrode / Conductors	Yield Stress	ISO 6892 (Part 1)
249	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
250	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Materials	IS 2386 (Part 2)
251	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75 micron	IS 2386 (Part 1)
252	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (150 microns to 10mm)	IS 2386 (Part 1)
253	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by MgSO4	IS 2386 (Part 5)

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 14 of 23

Validity 19/05/2023 to 18/05/2025 **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
254	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Na2SO4	IS 2386 (Part 5)
255	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
256	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
257	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Compressive Strength	IS 4031 (Part 6)
258	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Fineness by Blaine Air Permeability	IS 4031 (Part 2)
259	MECHANICAL- BUILDINGS MATERIALS	Grouts	Bleeding	ASTM C 940
260	MECHANICAL- BUILDINGS MATERIALS	Grouts	Compressive Strangth	BS 6319 (Part 2)
261	MECHANICAL- BUILDINGS MATERIALS	Grouts	Compressive Strangth	BS EN 12808 (Part 3)
262	MECHANICAL- BUILDINGS MATERIALS	Grouts	Compressive Strangth	ISO 13007 (Part 4)
263	MECHANICAL- BUILDINGS MATERIALS	Grouts	Compressive Strength	IS 17190
264	MECHANICAL- BUILDINGS MATERIALS	Grouts	Expansion	ASTM C 940
265	MECHANICAL- BUILDINGS MATERIALS	Grouts	Flexural Strength	BS 6319 (Part 3)
266	MECHANICAL- BUILDINGS MATERIALS	Grouts	Flexural Strength	BS EN 12808 (Part 3)
267	MECHANICAL- BUILDINGS MATERIALS	Grouts	Flexural Strength	IS 17190
268	MECHANICAL- BUILDINGS MATERIALS	Grouts	Flexural Strength	ISO 13007 (Part 4)
269	MECHANICAL- BUILDINGS MATERIALS	Grouts	Shrinkage	BS EN 12808 (Part 4)
270	MECHANICAL- BUILDINGS MATERIALS	Grouts	Shrinkage	IS 17190
271	MECHANICAL- BUILDINGS MATERIALS	Grouts	Shrinkage	ISO 13007 (Part 4)
272	MECHANICAL- BUILDINGS MATERIALS	Grouts	Tensile Strength	ASTM C 307

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 15 of 23

Validity 19/05/2023 to 18/05/2025 **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
273	MECHANICAL- BUILDINGS MATERIALS	Grouts	Tensile Strength	BS 6319 (Part 7)
274	MECHANICAL- BUILDINGS MATERIALS	Grouts	Transverse Deformation	IS 17190
275	MECHANICAL- BUILDINGS MATERIALS	Grouts	Transverse Deformation	ISO 13007 (Part 2)
276	MECHANICAL- BUILDINGS MATERIALS	Grouts	Water Absorption	BS EN 12808 (Part 5)
277	MECHANICAL- BUILDINGS MATERIALS	Grouts	Water Absorption	IS 17190
278	MECHANICAL- BUILDINGS MATERIALS	Grouts	Water Absorption	ISO 13007 (Part 4)
279	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Adhesion Strength	EN 1015-12
280	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Compressive Strangth	ASTM C 109
281	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Compressive Strangth	EN 1015-11
282	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Compressive Strangth	IS 2250
283	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Flexural Strength	ASTM C 348
284	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Flexural Strength	EN 1015-11
285	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Flow	EN 1015-3
286	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Pot Life	EN 1015-9
287	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Setting Time	IS 4031 (Part 5)
288	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Split Tensile Strength	ASTM C 1660
289	MECHANICAL- BUILDINGS MATERIALS	Mortar / Plaster	Tensile Strength	ASTM C 307
290	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658 (Annex D)
291	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Cross Sectional Area	IS 15658 (Annex B)

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 16 of 23

Validity 19/05/2023 to 18/05/2025 **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
292	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS 15658 (Annex G)
293	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Split Tensile Strength	IS 15658 (Annex F)
294	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Thickness of Wearing Layer	IS 15658 (Annex B)
295	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658 (Annex C)
296	MECHANICAL- BUILDINGS MATERIALS	Pozzolana / Fly Ash	Compressive Strength	IS 1727
297	MECHANICAL- BUILDINGS MATERIALS	Pozzolana / Fly Ash	Consistency	IS 1727
298	MECHANICAL- BUILDINGS MATERIALS	Pozzolana / Fly Ash	Density	IS 1727
299	MECHANICAL- BUILDINGS MATERIALS	Pozzolana / Fly Ash	Final Setting Time	IS 1727
300	MECHANICAL- BUILDINGS MATERIALS	Pozzolana / Fly Ash	Finesness by Blaine Air Permeability	IS 1727
301	MECHANICAL- BUILDINGS MATERIALS	Pozzolana / Fly Ash	Initial Setting Time	IS 1727
302	MECHANICAL- BUILDINGS MATERIALS	Pozzolana / Fly Ash	Lime Reactivity	IS 1727
303	MECHANICAL- BUILDINGS MATERIALS	Pozzolana / Fly Ash	Particles Retained on 45 micron Sieve	IS 1727
304	MECHANICAL- BUILDINGS MATERIALS	Pozzolana / Fly Ash	Soundness by Le-Chaterlier	IS 1727
305	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Bending Strength	IS 5758 (Annex C)
306	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Compressive Strength	IS 516 (Part 4)
307	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Dimension - Height	IS 5758 (Annex B)
308	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Dimension - Length	IS 5758 (Annex B)
309	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Dimension - Thickness	IS 5758 (Annex B)
310	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerb	Water Absorption	IS 5758 (Annex D)

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 17 of 23

Validity 19/05/2023 to 18/05/2025 **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
311	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	Coating Thickness	IS 13620
312	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	Elongation at Maximum Force	IS 1608 (Part 1)
313	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	Rebend Test	IS 1786
314	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	Weight/meter	IS 1786
315	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar & Structural Steel	Bend Test	IS 1599
316	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar & Structural Steel	Elongation after Fracture	IS 1608 (Part 1)
317	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar & Structural Steel	Ultimate Tensile Strength	IS 1608 (Part 1)
318	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar & Structural Steel	Yield Stress	IS 1608 (Part 1)
319	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bars	Adhesion of Coating	IS 13620
320	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Couplers	Elongation at Maximum Force	IS 1608 (Part 1)
321	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Couplers	Slip Test	IS 16172 (Annex C)
322	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Couplers	Ultimate Tensile Strength	IS 1608 (Part 1)
323	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	0.2% Proof Load	IS 1608 (Part 1)
324	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Average Diameter of Surrounding Wire	IS 14268 (Annex A)
325	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Bow Height	IS 14268
326	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Breaking Strength / Ultimate Tensile Load	IS 1608 (Part 1)
327	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Depth of Indentation	IS 14268
328	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Diameter of Centre Wire	IS 14268 (Annex A)

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 18 of 23

Validity 19/05/2023 to 18/05/2025 **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
329	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Difference in Diameter of Centre Wire & Surrounding Wire	IS 14268 (Annex A)
330	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Elongation	IS 14268
331	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Length of Indentation	IS 14268
332	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Length of Lay	IS 14268 (Annex A)
333	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Modulus of Elasticity	IS 1608 (Part 1)
334	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Nominal Cross Sectional Area	IS 14268 (Annex B)
335	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Nominal Diameter of Strand	IS 14268 (Annex A)
336	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Nominal Mass per Unit Length	IS 14268 (Annex B)
337	MECHANICAL- BUILDINGS MATERIALS	Seven Ply Strand Wire	Spacing of Indentation	IS 14268
338	MECHANICAL- BUILDINGS MATERIALS	Silica Fume / Micro Silica	Compressive Strength	IS 1727
339	MECHANICAL- BUILDINGS MATERIALS	Silica Fume / Micro Silica	Particles Retained on 45 micron Sieve	IS 1727
340	MECHANICAL- BUILDINGS MATERIALS	Tiles Adhesives	Adjustment Time	IS 15477 (Annex D)
341	MECHANICAL- BUILDINGS MATERIALS	Tiles Adhesives	Deformability	IS 15477 (Annex F)
342	MECHANICAL- BUILDINGS MATERIALS	Tiles Adhesives	Open Time	IS 15477 (Annex C)
343	MECHANICAL- BUILDINGS MATERIALS	Tiles Adhesives	Shear Adhesion Strength	IS 15477 (Annex B)
344	MECHANICAL- BUILDINGS MATERIALS	Tiles Adhesives	Slip	IS 15477 (Annex E)
345	MECHANICAL- BUILDINGS MATERIALS	Tiles Adhesives	Tensile Adhesion Strength	IS 15477 (Annex A)
346	MECHANICAL- SOIL AND ROCK	Bentonite	Density	IS 3104 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 19 of 23

Validity 19/05/2023 to 18/05/2025 **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
347	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness (Dry/Wet)	IS 6186 (Annex A-6)
348	MECHANICAL- SOIL AND ROCK	Bentonite	Free Swell Index	IS 2720 (Part 40)
349	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (Part 5)
350	MECHANICAL- SOIL AND ROCK	Bentonite	Marsh Cone Viscosity	ASTM D 6910
351	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186 (Annex A-2)
352	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186 (Annex A-9)
353	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling Power	IS 6186 (Annex A-5)
354	MECHANICAL- SOIL AND ROCK	Earthing Compound	Electrical Resistivity Test	IEC 62561-7
355	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS 13030
356	MECHANICAL- SOIL AND ROCK	Rock	Dry Specific Gravity	IS 13030
357	MECHANICAL- SOIL AND ROCK	Rock	Modulus of Elasticity (E Value)	IS 9221
358	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
359	MECHANICAL- SOIL AND ROCK	Rock	Poisson Ratio	IS 9221
360	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
361	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
362	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
363	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
364	MECHANICAL- SOIL AND ROCK	Soil	Conductivity	IS 14767
365	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cc)	IS 2720 (Part 15)

SCOPE OF ACCREDITATION

Laboratory Name : BHUMI RESEARCH CENTER (CIVIL ENGINEERING TESTING LABORATORY), 2/1362, "BHUMI HOUSE", SAGRAMPURA, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 20 of 23

Validity 19/05/2023 to 18/05/2025 **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
366	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cv)	IS 2720 (Part 15)
367	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (mv)	IS 2720 (Part 15)
368	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Pc)	IS 2720 (Part 15)
369	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (C)	IS 2720 (Part 13)
370	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Ø)	IS 2720 (Part 13)
371	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
372	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
373	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
374	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
375	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 (Part 4)
376	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
377	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
378	MECHANICAL- SOIL AND ROCK	Soil	Linear Shrinkage	IS 2720 (Part 20)
379	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
380	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
381	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
382	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
383	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
384	MECHANICAL- SOIL AND ROCK	Soil	Swell Pressure	IS 2720 (Part 41)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7217 **Page No** 21 of 23

Validity 19/05/2023 to 18/05/2025 **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
385	MECHANICAL- SOIL AND ROCK	Soil	Tri Axial Shear Test (CU) - C	IS 2720 (Part 12)
386	MECHANICAL- SOIL AND ROCK	Soil	Tri Axial Shear Test (CU) - C'	IS 2720 (Part 12)
387	MECHANICAL- SOIL AND ROCK	Soil	Tri Axial Shear Test (CU) - Phi	IS 2720 (Part 12)
388	MECHANICAL- SOIL AND ROCK	Soil	Tri Axial Shear Test (CU) - phi'	IS 2720 (Part 12)
389	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (UU) (C)	IS 2720 (Part 11)
390	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (UU) (Ø)	IS 2720 (Part 11)
391	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
392	MECHANICAL- SOIL AND ROCK	Soil	Water Holding Capacity	IS 14765

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7217	**Page No**	22 of 23
Validity	19/05/2023 to 18/05/2025	**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
Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil & Rock	Cyclic Plate Load Test	IS 5249
2	MECHANICAL- SOIL AND ROCK	Soil & Rock	Electrical Resistivity	IS 15736
3	MECHANICAL- SOIL AND ROCK	Soil & Rock	Electrical Resistivity	IS 3043
4	MECHANICAL- SOIL AND ROCK	Soil & Rock	Field CBR Test	IS 2720 (Part 31)
5	MECHANICAL- SOIL AND ROCK	Soil & Rock	Field Density by Core Cutter	IS 2720 (Part 29)
6	MECHANICAL- SOIL AND ROCK	Soil & Rock	Field Density by Sand Replacement	IS 2720 (Part 28)
7	MECHANICAL- SOIL AND ROCK	Soil & Rock	Field Density by Water Replacement	IS 2720 (Part 33)
8	MECHANICAL- SOIL AND ROCK	Soil & Rock	Modulus of Subgrade Reaction	IS 9214
9	MECHANICAL- SOIL AND ROCK	Soil & Rock	Pile Load Test	IS 2911 (Part 4)
10	MECHANICAL- SOIL AND ROCK	Soil & Rock	Plate Load Test	IS 1888
11	MECHANICAL- SOIL AND ROCK	Soil & Rock	PLT- Ratio Ev2/Ev1	DIN 18134
12	MECHANICAL- SOIL AND ROCK	Soil & Rock	Standard Penetration Test	IS 2131
13	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Carbonation Test	IS 516 (Part 5/ Sec 3)
14	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Cover Meter Test	BS 1881 (Part 204)
15	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Crack Depth by UPV	IS 516 (Part 5/ Sec 1)

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Certificate Number TC-7217 **Page No** 23 of 23

Validity 19/05/2023 to 18/05/2025 **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
16	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Half Cell Potential Test	IS 516 (Part 5/ Sec 2)
17	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Pile Integrity Test	ASTM D 5882
18	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Pile Integrity Test	IS 14893
19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Pull Out Test	IS 11309
20	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Rebound Hammer Test	IS 516 (Part 5/ Sec 4)
21	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Reinforcement Mapping	BS 1881 (Part 204)
22	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Ultrasonic Pulse Velocity Tests	IS 516 (Part 5/ Sec 1)