National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ORBITAL INFRASTRUCTURE CONSULTANCY AND RESEARCH PRIVATE LIMITED, PLOT NO-1134, MAHANADI VIHAR, CUTTACK, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 1 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nitrogen Dioxide	IS:5182(P-6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Respirable Suspended Particulate Matter (PM2.5)	5182(P-24)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Respirable Suspended Particulate Matter(PM10)	IS:5182(P-23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur Dioxide	IS:5182(P-2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Monitoring	Sound Pressure Level	IS:9989
6	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS:9103
7	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	IS:6925
8	CHEMICAL- BUILDING MATERIAL	Admixture	Dry material Content	IS:9103
9	CHEMICAL- BUILDING MATERIAL	Admixture	pH Value	IS:9103
10	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS:9103
11	CHEMICAL- BUILDING MATERIAL	Bentonite	pH Value	IS:6186(Clause A-3)
12	CHEMICAL- BUILDING MATERIAL	Bitumen	Ash content (Mineral matter)	IS 1217
13	CHEMICAL- BUILDING MATERIAL	Bitumen	Solubility in Carbo trichloromethylene	IS:1216
14	CHEMICAL- BUILDING MATERIAL	Coarse and Fine	Alkali Aggregate Reactivity (Reduction Alkalinity)	IS:2386(P-7)
15	CHEMICAL- BUILDING MATERIAL	Coarse and Fine	Alkali Aggregate Reactivity (Soluble Silica)	IS:2386(P-7)
16	CHEMICAL- BUILDING MATERIAL	Coarse and Fine	coal & lignite	IS:2386(P-2)
17	CHEMICAL- BUILDING MATERIAL	Fine agregates	Organic Impurities	IS:2386(P-2)
18	CHEMICAL- BUILDING MATERIAL	OPC, SRPC and HAC	Calcium Oxide	IS:4032(Clause 4.7.2.2)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 2 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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19	CHEMICAL- BUILDING MATERIAL	OPC, SRPC and HAC	Insoluble Residue	IS:4032(Clause 4.100)
20	CHEMICAL- BUILDING MATERIAL	OPC, SRPC and HAC	Loss on Ignition	IS:4032(Clause 4.2)
21	CHEMICAL- BUILDING MATERIAL	OPC, SRPC and HAC	Magnesia	IS:4032(Clause 4.8.2.2)
22	CHEMICAL- BUILDING MATERIAL	OPC, SRPC and HAC	Silica	IS:4032(Clause 4.3)
23	CHEMICAL- BUILDING MATERIAL	OPC, SRPC and HAC	Sulphuric Anhydride	IS:4032(Clause 4.9)
24	CHEMICAL- BUILDING MATERIAL	OPC,SRPC and HAC	Alumina	IS:4032(Clause 4.6.2.2)
25	CHEMICAL- BUILDING MATERIAL	OPC,SRPC and HAC	Ferric Oxide	IS:4032(Clause 4.5.2.2)
26	CHEMICAL- BUILDING MATERIAL	PPC	Insoluble Residue	IS:4032(Clause 4.10)
27	CHEMICAL- BUILDING MATERIAL	PPC	Loss on Ignition	IS:4032(Clause 4.2)
28	CHEMICAL- BUILDING MATERIAL	PPC	Magnesia	IS:4032(Clause 7.2)
29	CHEMICAL- BUILDING MATERIAL	PPC	Sulphuric Anhydride	IS:4032(Clause 4.9)
30	CHEMICAL- BUILDING MATERIAL	PSC	Alumina	IS:4032(Clause 4.6.2))
31	CHEMICAL- BUILDING MATERIAL	PSC	Calcium Oxide	IS:4032(Clause 4.7.2.2)
32	CHEMICAL- BUILDING MATERIAL	PSC	Ferric Oxide	IS:4032(Clause 4.5.2.2)
33	CHEMICAL- BUILDING MATERIAL	PSC	Insoluble Residue	IS:4032(Clause 4.100)
34	CHEMICAL- BUILDING MATERIAL	PSC	Loss on Ignition	IS:4032(Clause 4.2)
35	CHEMICAL- BUILDING MATERIAL	PSC	Magnesia	IS:4032(Clause 4.8.2.2)
36	CHEMICAL- BUILDING MATERIAL	PSC	Silica	IS:4032(Clause 4.3)
37	CHEMICAL- BUILDING MATERIAL	PSC	sulphur trioxide	IS:4032(Clause 6.11)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 3 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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38	CHEMICAL- METALS & ALLOYS	Steel (low carbon, medium carbon & high carbon steel)	Carbon	IS:228(P-1)
39	CHEMICAL- METALS & ALLOYS	Steel (low carbon, medium carbon & high carbon steel)	Chromium	IS:228(P-6)
40	CHEMICAL- METALS & ALLOYS	Steel (low carbon, medium carbon & high carbon steel)	Manganese	IS:228(P-2)
41	CHEMICAL- METALS & ALLOYS	Steel (low carbon, medium carbon & high carbon steel)	Nickel	IS:228 (P-5)
42	CHEMICAL- METALS & ALLOYS	Steel (low carbon, medium carbon & high carbon steel)	Phosphorous	IS:228(P-3)
43	CHEMICAL- METALS & ALLOYS	Steel (low carbon, medium carbon & high carbon steel)	Silicon	IS:228(P-8)
44	CHEMICAL- METALS & ALLOYS	Steel (low carbon, medium carbon & high carbon steel)	Sulphur	IS:228(P-9)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Acidity	IS:3025(P-22)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	IS:3025(P-40)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride	IS:3025(P-32)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	IS:3025(P-38)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium	IS:3025(P-46)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS:3025(P-11)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium	IS:3025(P-45)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium	IS:3025(P-45)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Specific Conductance	IS:3025(P-14)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate	IS:3025(P-24)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total alkalinity	IS:3025(P-23)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	IS:3025(P-16)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 4 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness	IS:3025(P-21)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	IS:3025(P-17)
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	IS:3025(P-10)
60	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate	IS:2720 (P-23)
61	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS:2720(P-22)
62	CHEMICAL- SOIL AND ROCK	Soil	pH	IS:2720(P-26)
63	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate	IS:2720(P-27)
64	CHEMICAL- WATER	Water for construction purpose	Amount of 0.02 normal H_2SO_4 to neutralize 100ml sample of water using mixed indicator	IS:3025(P-23)
65	CHEMICAL- WATER	Water for construction purpose	Amount of 0.02 normal NaOH to neutralize 100ml sample of water using Phenolphthalein as an indicator	IS:3025 (P-22)
66	CHEMICAL- WATER	Water for construction purpose	Chloride	IS:3025(P-32)
67	CHEMICAL- WATER	Water for construction purpose	Filterable Residue	IS:3025(P-16)
68	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	IS:3025(P-18)
69	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS:3025(P-18)
70	CHEMICAL- WATER	Water for construction purpose	pH	IS:3025 (P-11)
71	CHEMICAL- WATER	Water for construction purpose	Sulphate	IS:3025 (P-24)
72	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solid	IS:3025 (P-17)
73	CHEMICAL- WATER	Drinking Water	Acidity	IS:3025(P-22)
74	CHEMICAL- WATER	Drinking Water	Calcium	IS:3025(P-40)
75	CHEMICAL- WATER	Drinking Water	Chloride	IS:3025(P-32)
76	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS:3025(P-38)
77	CHEMICAL- WATER	Drinking Water	Magnesium	IS:3025(P-46)
78	CHEMICAL- WATER	Drinking Water	pH	IS:3025(p-11)
79	CHEMICAL- WATER	Drinking Water	Potassium	IS:3025(P-45)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 5 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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80	CHEMICAL- WATER	Drinking Water	Sodium	IS:3025(P-45)
81	CHEMICAL- WATER	Drinking Water	Specific Conductance	IS:3025(P-14)
82	CHEMICAL- WATER	Drinking Water	Sulphate	IS:3025(P-24)
83	CHEMICAL- WATER	Drinking Water	Total alkalinity	IS:3025(P-23)
84	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS:3025(P-16)
85	CHEMICAL- WATER	Drinking Water	Total Hardness	IS:3025(P-21)
86	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS:3025(P-17)
87	CHEMICAL- WATER	Drinking Water	Turbidity	IS:3025(P-10)
88	MECHANICAL- BUILDINGS MATERIALS	Admixture	Relative density	IS:9103
89	MECHANICAL- BUILDINGS MATERIALS	BENTONITE	DRY FINENESS	IS:6186
90	MECHANICAL- BUILDINGS MATERIALS	BENTONITE	MARSH CONE VISCOSITY	ASTM:D6910
91	MECHANICAL- BUILDINGS MATERIALS	BENTONITE	MOISTURE CONTENT	IS:6186
92	MECHANICAL- BUILDINGS MATERIALS	BENTONITE	SAND CONTENT	IS: 6186
93	MECHANICAL- BUILDINGS MATERIALS	BENTONITE	SWELLING POWER	IS:6186
94	MECHANICAL- BUILDINGS MATERIALS	BENTONITE	WET FINENESS	IS:6186
95	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS: 1206(Part-2)
96	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility Test	IS: 1201 TO 1220
97	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point by close cup	IS: 1209
98	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point by open cup	IS: 1448 (Part-69)
99	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Hardness	IS: 1195
100	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS: 1206 (Part-3)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 6 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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101	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Marshall Stability Test	ASPHALT INSTITUTE MANUAL SERIES-2 (MS-2) 6th EDITION CHAPTER 5
102	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Marshall Stability Test	ASTM D 6927
103	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration Test	IS: 1203
104	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS: 1205
105	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS: 1202
106	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coagulation of emulsion	IS: 8887
107	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability	IS: 8887
108	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility with water	IS: 8887
109	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by sieving on 600 micron	IS: 8887
110	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Saybolt Fural Viscosity	IS: 3117
111	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability	IS: 8887
112	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Compressive Strength	IS: 6932 (Part-7)
113	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Consistency / Workability	IS: 6932 (Part-8)
114	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Fineness by Dry Sieving (sieve size 100mm,75mm,40mm,25mm,19mm,12.5mm,10mm,6.5mm & 4.75mm)	IS: 6932 (Part-4)
115	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Setting Time	IS 6932 (Part-11)
116	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Soundness	IS: 6932 (Part-9)
117	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Bulk Density	IS: 2180

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 7 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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118	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Brick	Compressive Strength	IS: 3495 (Part-1)
119	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Brick	Dimension test	IS 1077
120	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Brick	Efflorescence	IS:3495 (Part-3)
121	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Brick	Water Absorption	IS: 3495 (Part-2)
122	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC/SRPC/HAC)	Compressive test	IS: 4031 (Part-6)
123	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC/SRPC/HAC)	Consistency	IS: 4031 (Part-4)
124	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC/SRPC/HAC)	Density	IS: 4031 (Part-10)
125	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC/SRPC/HAC)	Drying Shrinkage	IS: 4031 (Part-11)
126	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC/SRPC/HAC)	Fineness by Blains Air Permeability Method	IS: 4031(Part-2)
127	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC/SRPC/HAC)	Fineness by dry sieving by 90 micron	IS: 4031(Part-1)
128	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC/SRPC/HAC)	Setting Time	Is: 4031 (Part-5)
129	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC/SRPC/HAC)	Soundness (Auto-Clave Test)	IS: 4031 (Part-3)
130	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC/SRPC/HAC)	Soundness (Le-Chatelier Test)	IS: 4031 (Part-3)
131	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC/SRPC/HAC)	Transverse Strength	IS: 4031 (Part-8)
132	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tile	Water Absorption	IS: 1237
133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS: 2386 (Part-4)
134	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Angularity Number	Is: 2386 (Part-1)
135	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS: 2386 (Part-3)
136	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS: 2386 (Part-2)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 8 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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137	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS: 2386 (Part-4)
138	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	Is: 2386 (Part-1)
139	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Finer than 75 micron	IS: 2386 (Part-2)
140	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS: 2386 (Part-1)
141	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	Is: 2386 (Part-4)
142	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS: 2386 (Part-4)
143	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve analysis (sieve size 125mm,90mm,80mm,63mm,50mm,40mm,31.5mm,25mm,20mm,16mm,12.5mm,10mm,6.3mm,4.75mm,3.35mm &2.36mm)	Is: 2386 (Part-1)
144	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS: 2386 (Part-5)
145	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Specific Gravity	IS: 2386 (Part-3)
146	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS: 6241
147	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Surface Moisture	IS: 2386 (Part-3)
148	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS: 2386 (Part-3)
149	MECHANICAL- BUILDINGS MATERIALS	Concrete (Admixture)	Concrete setting time by Penetration Resistance Method	IS: 1199(P-7)
150	MECHANICAL- BUILDINGS MATERIALS	Concrete (Admixture)	L - Box Test	IS:1199(P-6)
151	MECHANICAL- BUILDINGS MATERIALS	Concrete (Admixture)	V - Box Test	IS:1199(P-6)
152	MECHANICAL- BUILDINGS MATERIALS	Concrete(Admixture)	Compressive strength	IS:516
153	MECHANICAL- BUILDINGS MATERIALS	Concrete(Admixture)	Flexural strength	IS:516

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 9 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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154	MECHANICAL- BUILDINGS MATERIALS	Concrete(Admixture)	Water content	IS:9103
155	MECHANICAL- BUILDINGS MATERIALS	Concrete(Admixture)	Workability	IS:9103
156	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS: 2386 (Part-3)
157	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS: 2386 (Part-3)
158	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	IS: 2386 (Part-2)
159	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay, Silt & Fine Dust	IS: 2386 (Part-2)
160	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay, Silt & Fine Dust	IS: 2386 (Part-2)
161	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75 micron	IS: 2386 (Part-1)
162	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve analysis ((sieve size 10mm,4.75mm, 2.36mm,1.18mm, 600µ, 300 µ,150 µ &75 µ)	Is 2386 (Part-1)
163	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS: 2386 (Part-5)
164	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS: 2386 (Part-3)
165	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Surface Moisture	IS: 2386 (Part-3)
166	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS: 2386 (Part-3)
167	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Bleeding	IS:9103
168	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Compacting factor test	IS;1199 (P-1 TO 7)
169	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Flow test	IS:1199(P-1 TO 7)
170	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump test	IS:1199 (P-1 TO 7)
171	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Accelerated testing of concrete by boiling water method	IS:9103

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 10 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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
172	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive strength	IS:516
173	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural strength	IS:516
174	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	permeability of concrete	IS:3085
175	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	permeability of concrete	IS:516 (P-1)
176	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS: 15658
177	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS: 15658
178	MECHANICAL- BUILDINGS MATERIALS	Paving Mixture	Binder Content	IRC - SP 11
179	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Compared Compressive Strength	IS: 1727
180	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Density	IS: 1727
181	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Fineness by Blains Air Permeability Method	IS: 1727
182	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Fineness by wet Sieving 45 micron	IS: 1727
183	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Lime Reactivity	IS 1727
184	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Soundness by Auto Clave	IS: 1727
185	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Soundness(Le-chatelier test)	IS-1727
186	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tile	Water Absorption	IS: 13630 (Part-2)
187	MECHANICAL- BUILDINGS MATERIALS	Tile	Modulus of Rupture of Tiles	IS: 13630 (Part-6)
188	MECHANICAL- BUILDINGS MATERIALS	Tiles	Surface Abrasion test of Glazed Tiles	IS: 10545 (Part-7) & IS 13630 (P-11)
189	MECHANICAL- BUILDINGS MATERIALS	Timber	Moisture content	IS 1708 (Part-1)
190	MECHANICAL- BUILDINGS MATERIALS	Timber	Specific gravity	IS 1708(Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : ORBITAL INFRASTRUCTURE CONSULTANCY AND RESEARCH PRIVATE LIMITED, PLOT NO-1134, MAHANADI VIHAR, CUTTACK, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 11 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	0.2 % Proof Stress	IS: 1786
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Bend Test	IS: 1599
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Brinell Hardness Test	IS: 1500 (Part-1)
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Charpy Impact Testing at -40°C	IS: 1757 (P-1)
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Elongation Test	IS: 1786
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Izod Impact Test	IS: 1598
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Rockwell Hardness Test	IS: 1586 (Part-1)
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Tensile Strength	IS: 1608(P-1)
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Unit Weight	IS: 12778
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Unit Weight	IS: 1730
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Unit Weight	IS: 1786
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Unit Weight	IS: 1852
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Unit Weight	IS: 808
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (General Purpose)	Yield Stress	IS: 1786

SCOPE OF ACCREDITATION

Laboratory Name : ORBITAL INFRASTRUCTURE CONSULTANCY AND RESEARCH PRIVATE LIMITED, PLOT NO-1134, MAHANADI VIHAR, CUTTACK, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 12 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (Reinforcement)	0.2 % Proof Stress	IS: 1786
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (Reinforcement)	Bend Test	IS: 1599
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (Reinforcement)	Elongation Test	IS: 1786
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (Reinforcement)	Rebend Test	IS: 1599
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (Reinforcement)	Tensile Strength	IS: 1608(PART-1)
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (Reinforcement)	Unit Weight	IS: 1786
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel (Reinforcement)	Yield Stress	IS: 1786
212	MECHANICAL- SOIL AND ROCK	BENTONITE	SPECIFIC GRAVITY	IS 2720-(PART-3)
213	MECHANICAL- SOIL AND ROCK	Fine Aggregate	Sand Equivalent Value	IS: 2720 (Part-37)
214	MECHANICAL- SOIL AND ROCK	Natural building stone	Compressive strength	IS:1121(P1)
215	MECHANICAL- SOIL AND ROCK	Natural building stone	porosity	IS:1124
216	MECHANICAL- SOIL AND ROCK	Natural building stone	specific gravity	IS:1124
217	MECHANICAL- SOIL AND ROCK	Natural building stone	Water absorption	IS:1124
218	MECHANICAL- SOIL AND ROCK	ROCK	Crushing strength	IS:2386(P4)
219	MECHANICAL- SOIL AND ROCK	ROCK	Modulus of Elasticity	IS:9221
220	MECHANICAL- SOIL AND ROCK	ROCK	Point load test	IS:8764

SCOPE OF ACCREDITATION

Laboratory Name : ORBITAL INFRASTRUCTURE CONSULTANCY AND RESEARCH PRIVATE LIMITED, PLOT NO-1134, MAHANADI VIHAR, CUTTACK, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 13 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
221	MECHANICAL- SOIL AND ROCK	ROCK	Relative density test	IS:13030
222	MECHANICAL- SOIL AND ROCK	ROCK	Rock Triaxial Test	IS:13047
223	MECHANICAL- SOIL AND ROCK	ROCK	Slake Durability	IS:10050
224	MECHANICAL- SOIL AND ROCK	ROCK	Tensile strength by indirect test(Brazilian)	IS:10082
225	MECHANICAL- SOIL AND ROCK	ROCK	Uniaxial Compressive Strength	IS:9143
226	MECHANICAL- SOIL AND ROCK	ROCK	Water content	IS:13030
227	MECHANICAL- SOIL AND ROCK	SOIL	Bulk density	IS:2720(P11)
228	MECHANICAL- SOIL AND ROCK	SOIL	Carlifornia bearing ratio test	IS:2720(p16)
229	MECHANICAL- SOIL AND ROCK	SOIL	Differential free swell index	IS:2720(P40)
230	MECHANICAL- SOIL AND ROCK	SOIL	Direct shear	IS:2720(p13)
231	MECHANICAL- SOIL AND ROCK	SOIL	Heavy compaction test	IS:2720(P 8)
232	MECHANICAL- SOIL AND ROCK	SOIL	Light compaction test	IS:2720(P7)
233	MECHANICAL- SOIL AND ROCK	SOIL	Linear shrinkage test	IS:2720(P20)
234	MECHANICAL- SOIL AND ROCK	SOIL	Liquid limit	IS:2720(P5)
235	MECHANICAL- SOIL AND ROCK	SOIL	Odeometer consolidation test	IS:2720(P15)
236	MECHANICAL- SOIL AND ROCK	SOIL	Permeability test by constant head method	IS:2720(P17)
237	MECHANICAL- SOIL AND ROCK	SOIL	Permeability test by falling head method	IS:2720(P17)
238	MECHANICAL- SOIL AND ROCK	SOIL	Plastic limit	IS:2720(P5)
239	MECHANICAL- SOIL AND ROCK	SOIL	Relative density test	IS:2720(P14)

SCOPE OF ACCREDITATION

Laboratory Name : ORBITAL INFRASTRUCTURE CONSULTANCY AND RESEARCH PRIVATE LIMITED, PLOT NO-1134, MAHANADI VIHAR, CUTTACK, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 14 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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
240	MECHANICAL- SOIL AND ROCK	SOIL	Sediment analysis	IS;2720(P4)
241	MECHANICAL- SOIL AND ROCK	SOIL	Shrinkage limit	IS;2720(P6)
242	MECHANICAL- SOIL AND ROCK	SOIL	Sieve analysis (sieve size 4.75mm,2mm,425 µ & 75 µ)	IS:2720(P4)
243	MECHANICAL- SOIL AND ROCK	SOIL	Specific gravity	IS:2720(Part 3)
244	MECHANICAL- SOIL AND ROCK	SOIL	Swelling pressure	IS:2720(P41)
245	MECHANICAL- SOIL AND ROCK	SOIL	Triaxial compression test(UU & CU)	IS:2720(P11,12)
246	MECHANICAL- SOIL AND ROCK	SOIL	Unconfined compression test	IS:2720(P10)
247	MECHANICAL- SOIL AND ROCK	SOIL	Vane shear test	IS:2720(P30)
248	MECHANICAL- SOIL AND ROCK	SOIL	Water content	IS:2720(P2)

SCOPE OF ACCREDITATION

Laboratory Name : ORBITAL INFRASTRUCTURE CONSULTANCY AND RESEARCH PRIVATE LIMITED, PLOT NO-1134, MAHANADI VIHAR, CUTTACK, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6818 **Page No** 15 of 16

Validity 11/01/2023 to 10/01/2025 **Last Amended on** 20/02/2023

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- BUILDINGS MATERIALS	BOARD CAST IN PILES	Load test on piles. (VERTICAL,LATERAL,UPLIFT)	IS 2911(PART-4)
2	MECHANICAL- BUILDINGS MATERIALS	Subgrade soil	Determination of CBR by using DCP in shallow pavement	ASTM:D6951/D6951M
3	MECHANICAL- SOIL AND ROCK	Clay & Soil	(Sub surface sounding of soil (Dynamic method using 50mm cone without bentonite slurry	IS-4968(Part-1)
4	MECHANICAL- SOIL AND ROCK	Clay & soil	(Sub surface sounding of soil) (Dynamic method using cone and bentonite slurry(DCPT)	IS:4968(part-2)
5	MECHANICAL- SOIL AND ROCK	Clay & soil	Determination of dry density of soils in place by the sand replacement method	IS:2720(part-28)
6	MECHANICAL- SOIL AND ROCK	Clay & soil	Standard penetration test	IS:2131
7	MECHANICAL- SOIL AND ROCK	Clay & Soil	Static cone penetration test	IS:4968(Part-3)
8	MECHANICAL- SOIL AND ROCK	CLAY&SOIL	Bearing Capacity	IS 1888
9	MECHANICAL- SOIL AND ROCK	CLAY&SOIL	Determination of CBR by using DCP in subgrade soil for shallow pavement	ASTM D6951/D6951M-09
10	MECHANICAL- SOIL AND ROCK	Clay&Soil	Electrical Resistivity Test	IS 3043
11	MECHANICAL- SOIL AND ROCK	Clay&Soil	Thin-walled tube sampling of soil	IS 2132
12	MECHANICAL- SOIL AND ROCK	Clays & Soil	Determination of dry density of soils in place by the core-cutter method	IS:2720(Part 29)
13	MECHANICAL- SOIL AND ROCK	Rock core	Rock quality designation & Core recovery	IS-11315(part-11)
14	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Non Destructive Test of Concrete	Rebound Hammer	IS: 13311 (Part-2)
15	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Non Destructive Test of Concrete	Rebound Hammer	IS: 516(Part 5/ Sec 4)

SCOPE OF ACCREDITATION

Laboratory Name :	ORBITAL INFRASTRUCTURE CONSULTANCY AND RESEARCH PRIVATE LIMITED, PLOT NO-1134, MAHANADI VIHAR, CUTTACK, ODISHA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6818	**Page No**	16 of 16
Validity	11/01/2023 to 10/01/2025	**Last Amended on**	20/02/2023

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	Non Destructive Test of Concrete	Ultrasonic Pulse Velocity	IS: 516 (Part-5) SEC-1