National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5386 **Page No** 1 of 13

Validity 24/06/2022 to 23/06/2024 **Last Amended on** 24/11/2022

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	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH Value	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Aggregate	Alkali Aggregate Reactivity (Dissolved Silica) in aggregate	IS 2386 (Part-07)
7	CHEMICAL- BUILDING MATERIAL	Aggregates	Alkali aggregate reactivity (reduction in alkalinity) in aggregate	IS 2386 (Part-07)
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC-43 & 53 Grade, PSC, PPC)	Silica (Sio2)	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Calcium Oxide (CaO)	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Iron Oxide (Fe2O3)	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Aluminum oxide (Al2O3)	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Chloride Content (Cl)	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Insoluble Residue	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Loss on Ignition	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Magnesia (Mgo)	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Sulphur Anhydride (SO3)	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on ignition	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesium (MgO)	IS 1727

SCOPE OF ACCREDITATION

Laboratory Name :	CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5386
Page No	2 of 13
Validity	24/06/2022 to 23/06/2024
Last Amended on	24/11/2022

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	Fly Ash	Silicon Dioxide (SiO2)	IS 1727
20	CHEMICAL- BUILDING MATERIAL	Fly ash	Silicon dioxide (SiO2) + Aluminium Oxide (Al2o3) + (iron oxide (Fe2O3)	IS 1727
21	CHEMICAL- BUILDING MATERIAL	Fly ash	Total Chloride Content	IS 1727
22	CHEMICAL- BUILDING MATERIAL	Fly Ash	Total Sulphur as Sulphur Anhydride (SO3)	IS 1727
23	CHEMICAL- BUILDING MATERIAL	GGBS (Ground Granulated Blast-furnace Slag)	Aluminium Oxide (Al2O3)	IS 4032
24	CHEMICAL- BUILDING MATERIAL	GGBS (Ground Granulated Blast-furnace Slag)	Calcium oxide	IS 4032
25	CHEMICAL- BUILDING MATERIAL	GGBS (Ground Granulated Blast-furnace Slag)	Chloride Content	IS 4032
26	CHEMICAL- BUILDING MATERIAL	GGBS (Ground Granulated Blast-furnace Slag)	Insoluble Residue	IS 4032
27	CHEMICAL- BUILDING MATERIAL	GGBS (Ground Granulated Blast-furnace Slag)	Iron Oxide (Fe2O3)	IS 4032
28	CHEMICAL- BUILDING MATERIAL	GGBS (Ground Granulated Blast-furnace Slag)	Loss on ignition	IS 4032
29	CHEMICAL- BUILDING MATERIAL	GGBS (Ground Granulated Blast-furnace Slag)	Magnesium oxide (Mgo)	IS 4032
30	CHEMICAL- BUILDING MATERIAL	GGBS (Ground Granulated Blast-furnace Slag)	Silica Content	IS 4032
31	CHEMICAL- BUILDING MATERIAL	GGBS (Ground Granulated Blast-furnace Slag)	Sulphate (SO3)	IS 4032
32	CHEMICAL- BUILDING MATERIAL	Harden Concrete/Mortar	Chloride Content	BS : 1881-124
33	CHEMICAL- BUILDING MATERIAL	Harden Concrete/Mortar	pH	IS 3025 (Part-11)
34	CHEMICAL- BUILDING MATERIAL	Harden Concrete/Mortar	Sulphate Content	BS : 1881-124
35	CHEMICAL- BUILDING MATERIAL	Micro-Silica	Loss on ignition	IS 4032
36	CHEMICAL- BUILDING MATERIAL	Micro-Silica	Magnesium (MgO)	IS 1727

SCOPE OF ACCREDITATION

Laboratory Name :	CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5386	**Page No**	3 of 13
Validity	24/06/2022 to 23/06/2024	**Last Amended on**	24/11/2022

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
37	CHEMICAL- BUILDING MATERIAL	Micro-Silica	Silicon dioxide (SiO2)	IS 1727
38	CHEMICAL- BUILDING MATERIAL	Micro-Silica	Silicon dioxide (SiO2) + Aluminium Oxide (Al2o3) + (iron oxide (Fe2O3)	IS 1727
39	CHEMICAL- BUILDING MATERIAL	Micro-Silica	Sulphur Anhydride (SO3)	IS 1727
40	CHEMICAL- BUILDING MATERIAL	micro-Silica	Total Chloride Content	IS 1727
41	CHEMICAL- METALS & ALLOYS	Steel	Carbon Content	IS 228 (PART-1)
42	CHEMICAL- METALS & ALLOYS	Steel	Phosphorus Content	IS 228 (PART-3)
43	CHEMICAL- METALS & ALLOYS	Steel	Sulphur Content	IS 228 (PART-9)
44	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate	IS 2720 (Part-23)
45	CHEMICAL- SOIL AND ROCK	Soil	Iron oxide	IS 2720 (Part 25)
46	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 (Part-22)
47	CHEMICAL- SOIL AND ROCK	Soil	pH Value	IS 2720 (Part-26)
48	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Solids	IS 2720 (Part-21)
49	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphates	IS 2720 (Part-27)
50	CHEMICAL- WATER	Construction Water	Chloride Content	IS 3025(PART-32)
51	CHEMICAL- WATER	Construction Water	pH Value	IS 3025(PART-11)
52	CHEMICAL- WATER	Construction Water	Sulphate Content	IS 3025(PART-24)
53	CHEMICAL- WATER	Construction Water	TDS (Total Dissolved Solids)	IS 3025(PART-16)
54	CHEMICAL- WATER	Construction Water	Total Hardness (CaCO3)	IS 3025(PART-21)
55	CHEMICAL- WATER	Construction Water	TSS (Total Suspended Solids)	IS 3025(PART-17)
56	CHEMICAL- WATER	Construction Water	Volatile and Fixed Residue (Organic & Inorganic Residue)	IS 3025(PART-18)

SCOPE OF ACCREDITATION

Laboratory Name :	CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5386	**Page No**	4 of 13
Validity	24/06/2022 to 23/06/2024	**Last Amended on**	24/11/2022

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- WATER	Construction Water	Volume of 0.02 N H2SO4 required to neutralize 100 ml of sample using mixed indicator	IS 3025(PART-23)
58	CHEMICAL- WATER	Construction Water	Volume of 0.02 N NaOH required to neutralize 100 ml of sample using phenolphthalein indicator	IS 3025(PART-22)
59	MECHANICAL- BUILDINGS MATERIALS	Autoclaved aerated concrete (AAC)	Compressive Strength	IS 6441 (Part-05)
60	MECHANICAL- BUILDINGS MATERIALS	Autoclaved aerated concrete (AAC)	Density	IS 6441 (Part-01)
61	MECHANICAL- BUILDINGS MATERIALS	Autoclaved aerated concrete (AAC)	Diamension (Length)	IS 2185 (Part-03)
62	MECHANICAL- BUILDINGS MATERIALS	Autoclaved aerated concrete (AAC)	Diamension (Width & height)	IS 2185 (Part-03)
63	MECHANICAL- BUILDINGS MATERIALS	Autoclaved aerated concrete (AAC)	Drying Shrinkage	IS 6441 (Part-02)
64	MECHANICAL- BUILDINGS MATERIALS	BC (Bituminous Concrete)	% of Air Voids	ASTM D6927-15
65	MECHANICAL- BUILDINGS MATERIALS	BC (Bituminous Concrete)	Binder Content	IRC SP-11
66	MECHANICAL- BUILDINGS MATERIALS	BC (Bituminous Concrete)	Density	ASTM D6927-15
67	MECHANICAL- BUILDINGS MATERIALS	BC (Bituminous Concrete)	Flow	ASTM D6927-15
68	MECHANICAL- BUILDINGS MATERIALS	BC (Bituminous Concrete)	Marshall Stability	ASTM D6927-15
69	MECHANICAL- BUILDINGS MATERIALS	BC (Bituminous Concrete)	Sieve Analysis (13.2mm, 9.5mm, 4.75mm, 2.36mm, 1.18mm, 0.600mm, 0.300mm, 0.150mm, 0.075mm)	IS 2386 (Part-01)
70	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
71	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
72	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
73	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202

SCOPE OF ACCREDITATION

Laboratory Name :	CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5386	**Page No**	5 of 13
Validity	24/06/2022 to 23/06/2024	**Last Amended on**	24/11/2022

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
74	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mastic	Hardness Number	IS 1195
75	MECHANICAL- BUILDINGS MATERIALS	BM (Bituminous Macadam)	Binder Content	IRC SP-11
76	MECHANICAL- BUILDINGS MATERIALS	BM (Bituminous Macadam)	Density	ASTM D6927-15
77	MECHANICAL- BUILDINGS MATERIALS	BM (Bituminous Macadam)	Sieve Analysis (26.5mm, 19.0mm, 13.2mm, 4.75mm, 2.36mm, 0.300mm, 0.075mm)	is 2386 (part-01)
78	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Specific Gravity	IS 1124
79	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Water Absorption	IS 1124
80	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part-01)
81	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 (Part-03)
82	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part-02)
83	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness (By Dry Sieving)	IS 4031 (Part-01)
84	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Compressive Strength (03 Days)	IS 4031 (Part-06)
85	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Compressive Strength (07 Days)	IS 4031 (Part-06)
86	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Compressive Strength (28 Days)	IS 4031 (Part-06)
87	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Consistency	IS 4031 (Part-04)
88	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Final Setting Time	IS 4031 (Part-05)
89	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Initial Setting Time	IS 4031 (Part-05)
90	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Soundness by Le-Chatelier's	IS 4031 (Part-03)
91	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC: 43 & 53 Grade,PSC,PPC)	Specific gravity	IS 4031 (Part-11)

SCOPE OF ACCREDITATION

Laboratory Name : CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5386 **Page No** 6 of 13

Validity 24/06/2022 to 23/06/2024 **Last Amended on** 24/11/2022

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
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Content - Clay Lumps	IS 2386 (Part-02)
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Content-Light Weight	IS 2386 (Part-02)
94	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 Micron	IS 2386 (Part-02)
95	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Magnesium Sulphate Soulation	IS 2386 (Part-05)
96	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate Soulation	IS 2386 (Part-05)
97	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (10mm)	10% Fine Value	IS 2386 (Part-04)
98	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (10mm)	Bulk Density (Loose/Rodded)	IS 2386 (Part-03)
99	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (10mm)	Crushing value	IS 2386 (Part-04)
100	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (10mm)	Elongation Index	IS 2386(Part-01)
101	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (10mm)	Flakiness index	IS 2386(Part-01)
102	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (10mm)	Impact value	IS 2386 (Part-04)
103	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (10mm)	Sieve Analysis (12.5mm, 10mm, 4.75mm, 2.36mm)	IS 2386(Part-01)
104	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (10mm)	Water Absorption	IS 2386(Part-03)
105	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (20mm)	10% Fine Value	IS 2386 (Part-04)
106	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (20mm)	Bulk Density (Loose/Rodded)	IS 2386 (Part-03)
107	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (20mm)	Crushing Value	IS 2386 (Part-04)
108	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (20mm)	Elongation index	IS 2386 (Part-01)
109	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (20mm)	Flakiness Index	IS 2386 (Part-01)
110	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (20mm)	Impact value	IS 2386 (Part-04)

SCOPE OF ACCREDITATION

Laboratory Name : CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5386 **Page No** 7 of 13

Validity 24/06/2022 to 23/06/2024 **Last Amended on** 24/11/2022

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
111	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (20mm)	Sieve Analysis (40mm, 20mm, 10mm, 4.75mm)	IS 2386 (Part-01)
112	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (20mm)	Specific Gravity	IS 2386 (Part-03)
113	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (20mm)	Water Absorption	IS 2386 (Part-03)
114	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump	IS 1199
115	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 (Part-01/Sec-01)
116	MECHANICAL- BUILDINGS MATERIALS	Concrete Core/Cube	Permeability	IS 516 (Part-02/Sec-01)
117	MECHANICAL- BUILDINGS MATERIALS	Concrete Core/Cube	Split Tensile Strength	IS 516 (Part-01/Sec-01)
118	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part-01/Sec-01)
119	MECHANICAL- BUILDINGS MATERIALS	DBM (Dense Bituminous Macadam)	% of Air Voids	ASTM D6927-15
120	MECHANICAL- BUILDINGS MATERIALS	DBM (Dense Bituminous Macadam)	Binder Content	IRC SP:11
121	MECHANICAL- BUILDINGS MATERIALS	DBM (Dense Bituminous Macadam)	Density	ASTM D6927-15
122	MECHANICAL- BUILDINGS MATERIALS	DBM (Dense Bituminous Macadam)	Flow	ASTM D6927-15
123	MECHANICAL- BUILDINGS MATERIALS	DBM (Dense Bituminous Macadam)	Marshall Stability	ASTM D6927-15
124	MECHANICAL- BUILDINGS MATERIALS	DBM (Dense Bituminous Macadam)	Sieve Analysis (37.5mm, 26.5mm, 19.0mm, 13.2mm, 4.75mm, 2.36mm, 0.300mm, 0.075mm)	IS 2386 (Part-01)
125	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose/Rodded)	IS 2386 (Part-03)
126	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Magnesium Sulphate Soulation	IS 2386 (Part-05)
127	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate Soulation	IS 2386 (Part-05)
128	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious - Clay Lumps	IS 2386 (Part-02)

SCOPE OF ACCREDITATION

Laboratory Name : CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5386 **Page No** 8 of 13

Validity 24/06/2022 to 23/06/2024 **Last Amended on** 24/11/2022

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
129	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious - Light Weight	IS 2386 (Part-02)
130	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 micron	IS 2386 (Part-02)
131	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (10mm, 4.75mm, 2.36mm, 1.18mm, 0.600mm, 0.300mm, 0.150mm)	IS 2386 (Part-01)
132	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific gravity	IS 2386 (Part-03)
133	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part-03)
134	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive strength (07 Days)	IS 1727
135	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive strength (28 Days)	IS 1727
136	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Final Setting Time	IS 1727
137	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Initial Setting Time	IS 1727
138	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Le-Chatelier's	IS 1727
139	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
140	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Wet Sieving	IS 1727
141	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	10% Fine Value	IS 2386 (Part-04)
142	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Crushing Value	IS 2386 (Part-04)
143	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Elongation index	IS 2386 (Part-01)
144	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Flakiness index	IS 2386 (Part-01)
145	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Impact value	IS 2386 (Part-04)
146	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Lab California Bearing Ratio	IS 2720 (Part-16)

SCOPE OF ACCREDITATION

Laboratory Name : CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5386 **Page No** 9 of 13

Validity 24/06/2022 to 23/06/2024 **Last Amended on** 24/11/2022

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
147	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Liquid Limit	IS 2720 (Part-05)
148	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Maximum Dry Density (MDD)	IS 2720 (Part-08)
149	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Optimum moisture Content (OMC)	IS 2720 (Part-08)
150	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Sieve analysis (75mm, 53mm, 26.5mm, 4.75mm, 2.36mm, 0.425mm, 0.075mm)	IS 2386 (Part-01)
151	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Specific Gravity	IS 2386 (Part-03)
152	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub-Base)	Water Absorption	IS 2386 (Part-03)
153	MECHANICAL- BUILDINGS MATERIALS	IS 2386(Part-01)	Specific gravity	IS 2386 (Part-03)
154	MECHANICAL- BUILDINGS MATERIALS	Mastic Asphalt	Binder Content	IRC SP-11
155	MECHANICAL- BUILDINGS MATERIALS	Mastic Asphalt	Sieve Analysis (2.36mm, 0.600mm, 0.212mm, 0.075mm)	IS 2386 (Part-01)
156	MECHANICAL- BUILDINGS MATERIALS	Micro-Silica	Compressive Strength (07 Days)	IS 1727
157	MECHANICAL- BUILDINGS MATERIALS	Micro-Silica	Specific gravity	IS 1727
158	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion value	IS 15658
159	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
160	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Tensile Spliting	IS 15658
161	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
162	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Compressive Strength	IS 2185 (Part-01)
163	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Density	IS 2185 (Part-01)
164	MECHANICAL- BUILDINGS MATERIALS	Timber & Timber Products	Moisture Content	IS 11215

SCOPE OF ACCREDITATION

Laboratory Name : CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5386 **Page No** 10 of 13

Validity 24/06/2022 to 23/06/2024 **Last Amended on** 24/11/2022

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
165	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Crushing Value	IS 2386 (Part-04)
166	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Elongation Index	IS 2386 (Part-01)
167	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Flakiness Index	IS 2386 (Part-01)
168	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Impact Value	IS 2386 (Part-04)
169	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Lab California Bearing Ratio (CBR)	IS 2720 (Part-16)
170	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Liquid Limit	IS 2720 (Part-05)
171	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Maximum Dry Density (MDD)	IS 2720 (Part-08)
172	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Optimum Moisture Content (OMC)	IS 2720 (Part-08)
173	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Sieve analysis (53mm, 45mm, 22.4mm, 11.2mm, 4.75mm, 2.36mm, 0.600mm, 0.075mm)	IS 2386 (Part-01)
174	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Specific Gravity	IS 2386 (Part-03)
175	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Water Absorption	IS 2386 (Part-03)
176	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Tensile Wire Strand	% Difference in diameter of Centre to outer wire	IS : 14268
177	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Tensile Wire Strand	% Elonagation	IS : 14268
178	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Tensile Wire Strand	0.2% Proof Load	IS : 14268
179	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Tensile Wire Strand	Breaking Strength	IS : 14268
180	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Tensile Wire Strand	Diameter of Wire strand	IS : 14268

SCOPE OF ACCREDITATION

Laboratory Name : CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5386 **Page No** 11 of 13

Validity 24/06/2022 to 23/06/2024 **Last Amended on** 24/11/2022

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
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Tensile Wire Strand	Length of lay	IS : 14268
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Tensile Wire Strand	Unit Weight per meter	IS : 14268
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Yield Strength Deformed Steel Bars for Concrete Reinforcement	% Elongation	IS 1608 (Part-01)
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Yield Strength Deformed Steel Bars for Concrete Reinforcement	Bend	IS 1786
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Yield Strength Deformed Steel Bars for Concrete Reinforcement	Re-Bend	IS 1786
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Yield Strength Deformed Steel Bars for Concrete Reinforcement	Ultimate Tensile Strength	IS : 1608 (Part-01)
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Yield Strength Deformed Steel Bars for Concrete Reinforcement	Weight per Meter Length	IS : 1786
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Yield Strength Deformed Steel Bars for Concrete Reinforcement	Yield Strength & 0.2% Proof Strength	IS : 1608 (Part-01)
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	% Elonagation	IS : 1608 (Part-01)
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Bend Test	IS : 1599
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Ultimate Tensile Strength	IS : 1608 (Part-01)
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Weight per Meter Length	IS : 1786
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Strength & 0.2% Proof Strength	IS : 1608 (Part-01)
194	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030

SCOPE OF ACCREDITATION

Laboratory Name : CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5386 **Page No** 12 of 13

Validity 24/06/2022 to 23/06/2024 **Last Amended on** 24/11/2022

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
195	MECHANICAL- SOIL AND ROCK	Rock	Specific gravity	IS 1124
196	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength (UCS)	IS 9143
197	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 1124
198	MECHANICAL- SOIL AND ROCK	Soil	Free Swell index	IS 2720 (Part-40)
199	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis for Gravel (4.75mm Sieve)	IS 2720 (Part-04)
200	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis for Sand (4.75mm, 0.075mm Sieve)	IS 2720 (Part-04)
201	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis for Silt + Clay (0.075mm Sieve)	IS 2720 (Part-04)
202	MECHANICAL- SOIL AND ROCK	Soil	Lab California Bearing Ratio	IS 2720 (Part-16)
203	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Casargrande Method	IS 2720 (Part-05)
204	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density (MDD) by Heavy Compaction	IS 2720 (Part-08)
205	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (OMC) by Heavy Compaction	IS 2720 (Part-08)
206	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-05)
207	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS :2720 (Part - 3/Sec-01)
208	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS :2720 (Part -2)

SCOPE OF ACCREDITATION

Laboratory Name : CORE ENGINEERS AND CONSULTANCY SERVICES, PLOT NO. 205 A, JAWAHAR INDUSTRIAL ESTATE, RAIGADH, NAVI MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5386 **Page No** 13 of 13

Validity 24/06/2022 to 23/06/2024 **Last Amended on** 24/11/2022

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	Field California Bearing Ratio	IS 2720 (Part-31)
2	MECHANICAL- SOIL AND ROCK	Soil/Murrum/Sub-Grade	Field Dry Density by Core Cutter Method	IS 2720 (Part-29)
3	MECHANICAL- SOIL AND ROCK	Soil/Murrum/Sub-Grade	Field Dry Density by Sand Replacement Method	IS 2720 (Part-28)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Depth of Carbonation	IS 516 (Part-05/Sec-03)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Depth of Cover Meter	BS 1881 (Part-204)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Half Cell Potential Difference	IS 516 (Part 5/Sec 2)
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound hammer	IS 516 (Part 5/Sec 4)
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity	IS 516 (Part-05/Sec-01)