YOUR QUALITY OUR PRIORITY

CONSTROLOGIX®

ENGINEERING & RESEARCH SERVICES PVT. LTD.
An ISO/IEC 17025 : 2017 BASED
NABL ACCREDITED LABORATORY

Corporate Office : Constrologix Engg & Research Services Pvt.Ltd.
Plot No. 58/I, D-III Block PCMC Industrial Area Near St. Andrews School Chinchwad, Pune- 411019.
Email: info@constrologix.com
www.constrologix.com
Customer care No. 9021232299

INTRODUCTION OF CONSTROLOGIX

CONSTROLOGIX ENGINEERING & RESEARCH SERVICES PVT. LTD. is a professionally competent, reliable & trustworthy organization based in Pune, engaged in testing of all type of construction materials since 2003.

ConstrologiX delivers superior value to its entire customer by leveraging its expertise in material testing services, inspection, consulting, contract, research and training. We are an independent laboratory, promoted with the objectives of providing building material testing services to Industry, Institution, Government and other private agencies.

The laboratory management is committed to carry out testing activities under the scope of this management system by meeting the requirement of INTERNATIONAL STANDARD IS/ISO/IEC – 17025: 2005 and to satisfy the needs of customers, the regulatory authorities or organizations providing recognition.

The laboratory is being run and managed by the technical and experienced professionals having a wide experience in the various areas of their specialization. The laboratory employee's well-qualified staffs who are capable enough to test and supervise the work and related quality functions. The company has installed the requisite equipments to meet the requirements.

OUR PURPOSE

" To develop awareness in public by use of technology for the benefit & comfort of life "

OUR CORE VALUES

- TRUST & TRANSPARENCY
- WORK TOWARDS 'EXCELLENCE'
- TEAM WORK
- CREATE LONG TERM RELATIONSHIP

OUR PILLARS

Mr.Anil Dhobale

(Founder and Managing Director)

Mr. Anil Dhobale is an expert in construction quality & established the laboratory in the year 2003 under the name of ConstrologiX.

ConstrologiX is accredited by NABL (National Accreditation Board of Laboratory), Department of Science & Technology. He is also a lead auditor for ISO 9001-2008.

He regularly conduct seminar & guide engineering students for completion of projects. He also published his papers in International journal on Geo-informatics.

He has Masters Degree in Civil Engineering from Pune University & also has a Master's Degree in Business Administration (MBA).

He has keen interest in Operation Management, Concrete Technology & NDT. He is member of professional societies like -

* Institutions of Engineers, India
* Indian Road Congress (IRC)
* Indian Geotechnical Society, etc.

Our Key Persons

* Ramesh Bhonde (Lab Manager)
* Gopal Dalvi (Marketing Manager)
* Vijay Surve (Technical Manager)
* Manisha Jawale (Quality Manager)
* Amruta Patil (Account Manager)

CONSTROLOGIX

LIST OF KEY STAFF

Emp Id	Full Name	Designation	Academic & Professional Qualification	Experience related to present work
1	Anil Dhobale	Managing Director	M.E(Civil), MBA(Operations,M.I.E., M.I.R.C, Chartered Engineer	20 years
2	Ramesh Bhonde	Lab Manager	BA,BCS	20 Years
3	Gopal Dalvi	Marketing Manager	MBA	16 Years
4	M.C Radhakrishnan	Technical Advisor	BSc (Physical, Advance course in basic elective soil Mechanic & pavement Engg.	39 years
5	Vijay Surve	Technical Manager	DCE , AMIE	10 Years
6	Manisha Jawale	Quality Manager	BSc MCM	14 Years
7	Snehal Bakhade	Geotechnical Engineer	M Teach -Geo tech	2 Years
8	Ganesh Jadhav	Dy. Technical Manager	DCE , AMIE	9 Years
9	Ganesh Dase	Dy. Technical Manager	MSc (Chemistry)	9 Years
10	Ragini jadhav	Lab Engineer	B.E (Civil)	2 Years
11	Kalyani Ahirrao	Jr. Lab Engineer	B.E (Civil)	2 Years
12	Omkar Niljkar	Geologist	MSc (Geologist)	1 Years
13	Dattatray Gangarde	Sr. Marketing Executive	MBA Marketing	6 Years
14	Mangesh Hatole	Marketing Executive	MBA Marketing	9 Years
15	Avinash Chavan	Sr. Marketing Executive	MBA Marketing	4 years
16	Jagdish Bhalerao	Marketing Executive	MBA Marketing	3 years
17	Sharad Shinde	Lab Executive	BSc	4 Years
18	Kiran Shinde	Lab Executive	DCE	10 Years
19	Amol Sambhare	Lab Executive	DCE	3 Years
20	Nilesh Punde	Jr. Executive- Quality Management	BSc	2 Years
21	Rohidas Zinjurde	Site Supervisor	BA	5 Years

Total No. of Staff = 50+ Nos.

FAQ - WHY NABL ???

1. Why Laboratory Accreditation?

Laboratory accreditation uses criteria and procedures specifically developed to determine technical competence. Specialist technical assessors conduct a thorough evaluation of all factors in a laboratory that affect the production of test data. The criteria are based on the international standards called ISO/IEC 17025 or ISO 15189, which are used for evaluating laboratories throughout the world.

2. What is the Laboratory Accreditation?

The concept of Laboratory Accreditation was developed to provide a means for third-party certification of the competence of laboratories to perform specific type(s) of testing. Laboratory Accreditation provides formal recognition of competent laboratories, thus providing a ready means for customers to find reliable testing services in order to meet their demands.Laboratory Accreditation enhances customer confidence in accepting testing reports issued by accredited laboratories. The globalization of Indian economy and the liberalization policies initiated by the Government in reducing trade barriers and providing greater thrust to exports makes it imperative for Accredited Laboratories to be at international level of competence.

3.How is NABL accreditation different from ISO 9000 certification?

ISO 9000 Certification is on Quality System Management only whereas the NABL Accreditation provides formal recognition of technical competence of the laboratories, thus providing a ready means for customers to find reliable testing services in order to meet their demands as well as the Quality system. Accreditation is a higher level activity than system certification.

Laboratories can be checked and certified for their compliance to international management system standards such as ISO 9000. This involves the auditing of an organization's quality management system. Although this will give you confidence of the laboratory's quality system, it tells you nothing about its technical competence or its ability to provide reliable and accurate test data that will be accepted by your customers and trading partners.

Technical evaluation requires the use of technical experts who can assess the laboratory against internationally accepted criteria. These criteria are embraced globally in a document called ISO/IEC 17025. Accreditation bodies may also apply additional technical requirements for evaluating a laboratory, as per requirements of different technical fields.

Laboratory accreditation against the standard ISO/IEC 17025 does, however also covers the quality management elements of ISO 9000. So laboratory accreditation, which is based on ISO/IEC 17025 is a measure of both technical competence and quality management and is the most appropriate process rather than quality ISO-9000 certification

FAQ - WHY NABL? ? ?

4. What a r e t he aims and o b j e c t i v e s of NABL?

National Accreditation Board for Testing Laboratories (NABL) is an autonomous body under the aegis of Department of Science & Technology, Government of India, and is registered under the Societies Act. NABL has been established with the objective to provide Government, Industry and Society in general with a scheme for third- party assessment testing laboratories. Government of India has authorized NABL as the sole accreditation body for Testing laboratories. In order to achieve this objective, NABL provides laboratory accreditation services to laboratories that are performing tests in accordance with NABL criteria based on internationally accepted standard for laboratory accreditation ISO/IEC 17025. These services are offered in a non-discriminatory manner and are accessible to all testing laboratories in India and abroad, regardless of their ownership, legal status, size and degree of independence.

NABL has established its Accreditation System in accordance with ISO/IEC 17011:2004, which is followed internationally. NABL also compiles to the requirement of APLAC MR001 for the fulfillment of APLAC MRA and ILAC Arrangements

5. Why is a laboratory's technical competence so critical to you as a supplier, customer?

- Minimum risk.
- Avoid expensive re-testing.
- Enhance your customer's confidence.
- Reduce costs and improve acceptance of your goods overseas.

6. Laboratory accreditation bodies use this standard specifically to assess factors relevant to the laboratory's technical competence, including the:-

- Unbiased system through sample coding in ERP
- Technical competence of staff
- Validity and appropriateness of test methods
- Traceability of measurements and calibrations to national standards
- Suitability, calibration and maintenance of test equipment
- Testing environment
- Sampling, handling and transportation of test items
- Quality assurance of test data

By this process, laboratory accreditation aims at assuring you or your customers that your laboratory's test data are accurate and reliable.

areas for which the laboratory was seeking accreditation. Capabilities that are not listed on the scope of accreditation are not covered by the laboratory's NABL accreditation.

OUR CREDENTIALS

- More than 350 physical & Chemical Tests for material testing.
- More than 40 different basic materials tested.
- More than 15 NDT test equipments used for NDT testing at site.

GEOTECHNICAL INVESTIGATION & HYDROGEOLOGICAL SERVICES

CONSTROLOGIX, with its exceptional pool of Geo - Technical staff, has been providing various services towards Geotechnical Surveying , Hydrogeology Survey & Geophysical Survey, Petrological Survey and other surveying services for some of the major companies in Pune towards their infrastructure and construction requirements.

With its Skilled manpower & Advanced machinery at its disposal, ConstrologiX is one of the leading players in Pune providing In-situ tests and other geotechnical tests to a varied clients from various sectors including Infrastructure, Construction, Government Institutions, Industrial, Defence Sector, etc.

ConstrologiX has been provided its Geotechnical and other services to some of the major Indian & Foreign companies' onsite throughout India. Some of the major work includes -

- Suzlon Energy Limited - Multiple site at Maharashtra, Gujarat, Andhra Pradesh, Tamilnadu among others.
- Foton Motor - Exclusive work during setting up of its plant in Chakan, Pune.
- Berger Paints India Ltd. - Jejuri, Maharashtra
- Hiranandani Energy Pvt. Ltd. - Kankavali, Maharashtra.
- Serum Institute of India Pvt.Ltd. - Hadapsar, Pune
- Pune Metro
- Force Motors, Pune
- Volkswagen,Chakan Pune

TESTING SERVICES OFFERED BY CONSTROLOGIX

CONSTROLOGIX

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

CERTIFICATE OF ACCREDITATION

CONSTROLOGIX ENGINEERING & RESEARCH SERVICES PVT. LTD

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

PLOT NO. D-III-58 / 1 BLOCK, MIDC, PIMPRI INDUSTRIAL AREA, AKURDI, PUNE, MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number:	TC-6012		
Issue Date:	31/07/2019	Valid Until:	30/07/2021

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

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SCOPE OF ACCREDITATION

Laboratory Name	CONSTROLOGIX ENGINEERING & RESEARCH SERVICES PVT. LTD, PLOT NO. D-III-58 / 1 BLOCK, MIDC, PIMPRI INDUSTRIAL AREA, AKURDI, PUNE, MAHARASHTRA, INDIA		
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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103 (RA 2013): 1999
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chlorides	IS 6925 (RA 2008): 1973
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103 (RA 2013): 1999
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH value	IS 9103 (RA 2013): 1999
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103 (RA 2013): 1999
6	CHEMICAL- BUILDING MATERIAL	Aggregates	Deleterious Materials(Determination of Clay,fine silt and fine dust,bySedimentation method.	IS 2386 (RA 2016): 1963
7	CHEMICAL- BUILDING MATERIAL	Cement OPC, PPC, PSC	Ferric Oxide (Fe2 O3y	IS 4032 (RA 2014): 1985
8	CHEMICAL- BUILDING MATERIAL	Cement OPC, PPC, PSC	Insoluble Residue	IS 4032: 1985
9	CHEMICAL- BUILDING MATERIAL	Cement OPC, PPC, PSC	Loss on Ingition	IS 4032: 1985 (RA 2014): 198
10	CHEMICAL- BUILDING MATERIAL	Cement OPC, PPC, PSC	Magnesia (MgOy	IS 4032 (RA 2014): 1985
11	CHEMICAL- BUILDING MATERIAL	Cement OPC, PPC, PSC	Sulphur as (SO3y	IS 4032 (RA 2008): 1985
12	CHEMICAL- BUILDING MATERIAL	Cement OPC,PPC,PSC	Alumina(Al2O3y	IS 4032 (RA 2009): 1985
13	CHEMICAL- BUILDING MATERIAL	Cement OPC,PPC,PSC	Silica (SiO2y	IS 4032 (RA 2014) Amd 2: 1985

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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
14	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide (CaOy	IS 1727 (RA 2013): 1967
15	CHEMICAL- BUILDING MATERIAL	Fly Ash	Combined Ferric Oxide and Alumina	IS 1727 (RA 2013): 1967
16	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on ignition	IS 1727 (RA 2013): 1967
17	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia (MgOy	IS 1727 (RA 2013): 1967
18	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica (SiO2y	IS 1727 (RA 2013): 1967
19	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride	IS 1727 (RA 2013): 1967
20	CHEMICAL- BUILDING MATERIAL	Sand and Aggregate	Organic Impurities	IS 2386 (Part 2): 1963
21	CHEMICAL- METALS ALLOYS	Carbon Steel - High Strength Deformed steel Bars and wires for Concrete Reinforcement	Phosphorus	IS 228 (Part 3)(RA) 2018): 1987
22	CHEMICAL- METALS ALLOYS	Carbon Steel - High Strength Deformed steel Bars and wires for Concrete Reinforcement	Sulphur	IS 228 (Part 9)(RA 2014) : 1989
23	CHEMICAL- METALS ALLOYS	Carbon Steel High Strength Deformed Steel Bars and Wires for Concrete Reinforcement	Carbon	IS 228 (Part 1) (RA 2018) : 1987
24	CHEMICAL- WATER	Water	Acidity- 0.02N NaOH Required to neutralize 100 ml of water	IS 3025 (Part 22)(RA 2014): 1986
25	CHEMICAL- WATER	Water	Alkalinity- 0.02 N H2SO4 Required to neutralize 100 ml of water	IS 3025(Part 23)(RA 2014): 1986
26	CHEMICAL- WATER	Water	Chloride	IS 3025(Part 32) (RA 2014): 1988

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27	CHEMICAL- WATER	Water	Fixed Residue (Inorganic Residuey	IS 3025(Part 18)(RA 2017): 1984
28	CHEMICAL- WATER	Water	pH Value	IS 3028 (Part 11)(R 2017): 1983
29	CHEMICAL- WATER	Water	Sulphate as So3	IS 3025 (Part 24)(RA 2014): 1986
30	CHEMICAL- WATER	Water	Total Dissolved Solid	IS 3025 (Part 16)(RA 2017): 1984
31	CHEMICAL- WATER	Water	Total Hardness	IS 3025 (Part 21)(RA 2014): 2009
32	CHEMICAL- WATER	Water	Total Suspended Solid	IS 3025(Part 17)(RA 2017): 1984
33	CHEMICAL- WATER	Water	Volatile (Organic Residuey	IS 3025 (PART 18)(RA 2017): 1984
34	MECHANICAL-BUILDINGS MATERIALS	AAC Concrete Block	Compressive Strength	IS 6441 (Part 5)(RA 2017): 1972
35	MECHANICAL-BUILDINGS MATERIALS	AAC Concrete block	Density	IS 6441 (Part 1)(RA 2017): 1972
36	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206(RA 2014): 1978
37	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208 (RA 2014): 1978
38	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Kinematic viscosity	IS 1206 (RA 2014): 1978

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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
39	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203 (RA 2014): 1978
40	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205 (RA 2014): 1978
41	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1203 (RA 2013): 1978
42	MECHANICAL-BUILDINGS MATERIALS	Bituminous mix	Binder Content	ASTM D 2172: 2018
43	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Flow percentage	AASHTOT-245(13.2.15): 2015
44	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	AASHTOT-245 (13.2.15): 2015
45	MECHANICAL-BUILDINGS MATERIALS	Bricks (Brunt Clay Bricks Fly Ash Bricksy	Compressive Strength	IS 3495(Part 1)(RA 2016): 1992
46	MECHANICAL-BUILDINGS MATERIALS	Bricks (Brunt Clay Bricks Fly Ash Bricksy	Water Absorption	IS 3495 (Part 2)(RA 2016): 1992
47	MECHANICAL-BUILDINGS MATERIALS	Bricks (Brunt Clay Bricks Fly Ash Bricksy	Efflorescence Test	IS 3495 (Part 3)(RA 2016): 1992
48	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)(RA 2014): 1988

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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
49	MECHANICAL-BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4) (RA 2014): 1988
50	MECHANICAL-BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)(RA 2014): 1988
51	MECHANICAL-BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 4) (RA 2014): 1988
52	MECHANICAL-BUILDINGS MATERIALS	Cement	Fineness by BlaineyflsAi Permeability	IS 4031 (Part 2)(RA 2013): 1998
53	MECHANICAL-BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 4)(RA 2014): 1988
54	MECHANICAL-BUILDINGS MATERIALS	Cement	Soundness by Le- Chatelier's method	IS 4031 (Part 3)(RA 2014: 1988
55	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Crazing Resistance	IS 13630 (Part 9)(RA 2017): 2006
56	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Modulus of Rupture	IS 13630 (Part 6)(RA 2017) : 2006
57	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Scratch Hardness of surface according to Mohr's scale	IS 13630 (Part 13) (RA 2017): 2006
58	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2) (RA 2017) : 2006

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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
59	MECHANICAL-BUILDINGS MATERIALS	CLC Concrete block	Density	IS 2185 (Part 4)(RA 2014) : 2008
60	MECHANICAL-BUILDINGS MATERIALS	CLC Concrete block	Compressive Strength	IS 2185 (Part 4)(RA 2014): 2008
61	MECHANICAL-BUILDINGS MATERIALS	CLC Concrete block	Water Absorption	IS 2185 (Part 4)(RA 2014): 2008
62	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	10 yb Fine valu	IS 2386 (Part 4)(RA 2016): 1963
63	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Resistance (Los Angeleyf¬ abrasion valuey	IS 2386 (Part 4)(RA 2016): 1963
64	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3) (RA 2016) : 1963
65	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS (Part 4)(RA 2016) 1963
66	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)(RA 2016): 196
67	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1) (RA 2016) : 1963
68	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4) (R 2016): 1963

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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
69	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1) (RA 2016): 1963
70	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)(RA 2016): 196
71	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3) (RA 2016): 1963
72	MECHANICAL-BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 (RA 2013): 1959
73	MECHANICAL-BUILDINGS MATERIALS	Concrete core	Compressive strength	IS 516 (RA 2013): 1959
74	MECHANICAL-BUILDINGS MATERIALS	Concrete cube	Compressive strength	IS 516 (RA 2013): 1959
75	MECHANICAL-BUILDINGS MATERIALS	Concrete cube	Compressive strength by Accel. method	IS 9013 (RA 2013): 1978
76	MECHANICAL-BUILDINGS MATERIALS	Ferrous Metal , Alloys Products (High Strength Deformed Steel Bar , Structural Steely	yb Elongatio	IS 1608 (Part 1): 2018
77	MECHANICAL-BUILDINGS MATERIALS	Ferrous Metal , Alloys Products (High Strength Deformed Steel Bar , Structural Steely	Bend Test	IS 1599 (RA 2017): 2012
78	MECHANICAL-BUILDINGS MATERIALS	Ferrous Metal , Alloys Products (High Strength Deformed Steel Bar , Structural Steely	Rebend Test	IS 1786 (RA 2013): 2013

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79	MECHANICAL-BUILDINGS MATERIALS	Ferrous Metal , Alloys Products (High Strength Deformed Steel Bar , Structural Steely	Weight per Meter	IS 1786 (RA 2013): 2013
80	MECHANICAL-BUILDINGS MATERIALS	Ferrous Metal , Alloys Products (High Strength Deformed Steel Bar, Structural steely	Ultimate Tensile Strength	IS 1608 (Part 1): 2018
81	MECHANICAL-BUILDINGS MATERIALS	Ferrous Metal , Alloys Products (High Strength Deformed Steel Bar, Structural steely	0.2 yb Proof stres	IS 1608 (Part 1): 2018
82	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Dryy	IS 2386 (Part 3)(RA 2016): 1963
83	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulk age	IS 2386 (Part 3)(RA 2016): 1963
84	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 micron	IS 2386 (Part 3)(RA 2016): 1963
85	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)(R 2016): 1963
86	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)(RA 2016): 1963
87	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)(RA 2016): 1963
88	MECHANICAL-BUILDINGS MATERIALS	Fresh Concrete	Work ability- Slump test	IS 1199 (RA 2013) 1959

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89	MECHANICAL-BUILDINGS MATERIALS	Paving Block	Compressive strength	IS 15658(RA 2017): 2006
90	MECHANICAL-BUILDINGS MATERIALS	Paving Block	Water Absorption	IS 15658 (RA 2017): 2006
91	MECHANICAL-BUILDINGS MATERIALS	Plain, Chequered / Cement Concrete tiles	Resistance to wear	IS 13801 (RA 2018): 2013
92	MECHANICAL-BUILDINGS MATERIALS	Plain, Chequered / Cement Concrete tiles	Water absorption	IS 13801 (RA 2018) 2013
93	MECHANICAL-BUILDINGS MATERIALS	Plain, Chequered / Cement Concrete tiles	Wet Transverse test	IS 13801 (RA 2018) 2013
94	MECHANICAL-BUILDINGS MATERIALS	Solid Block	Compressive Strength	IS 2185 (Part 1)(RA 2015): 200
95	MECHANICAL-BUILDINGS MATERIALS	Solid Block	Density	IS 2185 (Part 1)(RA 2015): 2005
96	MECHANICAL-BUILDINGS MATERIALS	Solid Block	Water Absorption	IS 2185 (Part 1)(RA 2015 : 2005
97	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Water Absorption	IS 1124 (RA 2013): 1974
98	MECHANICAL- SOIL AND ROCK	Natural Building Stones / Rocks	Point Load Index	IS 8764 (RA 2014): 1998
99	MECHANICAL- SOIL AND ROCK	Natural Building Stones / Rocks	Porosity	IS 1124(RA 2013): 1974

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Certificate Number	TC-6012	Page No. :	10 / 13
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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
100	MECHANICAL- SOIL AND ROCK	Natural Building Stones / Rocks	Specific Gravity	IS 1122 (RA 2013): 1974
101	MECHANICAL- SOIL AND ROCK	Natural Building Stones / Rocks	Unconfined Compressive Strength of Rock	IS 9143 (RA 2016): 1979
102	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS 2720 (Part 16) (RA 2016 : 1987
103	MECHANICAL- SOIL AND ROCK	Soil	Consolidation	IS 2720 (Part 15)(RA 2016 : 1986
104	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)(RA 2016): 1977
105	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)(RA 2015): 1985
106	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - MDD	IS 2720 (Part 8) (RA 2015): 1983
107	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - OMC	IS 2720 (Part 8)(RA 2015): 1983
108	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 (Part 4)(RA 2015): 1985
109	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - OMC	IS 2720 (Part 7)(RA 2016): 1980
110	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction- MDD	IS 2720 (Part 7) (RA 2016): 1980
111	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)(RA 2015): 1985
112	MECHANICAL- SOIL AND ROCK	Soil	Moisture content	IS 2720 (Part 2)(RA 2015): 1973
113	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5):1985

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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
114	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)(RA 2016): 1972
115	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/Sec -1 &2)(RA 2016): 1980
116	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (UUyf (Withou pore pressureyf -C valu	IS 2720 (Part 11)(RA 2016): 1993
117	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (UUyf (Withou pore pressureyf -FI valu	IS 2730 (Part 11yf (R 2016yf: 199
118	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive strength	IS 2720 (Part 10)(RA 2015): 1991
119	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Density	IS 1734 (Part 1 to 20) (RA 2013): 1983
120	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Moisture Content	IS 1734 (Part 1 to 20) (RA 2013): 1983
121	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Resistance to dry heat	IS 1734 (Part 1 to 20) (RA 2013): 1983
122	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Water Resistance	IS 1734 (Part 1 to 20) (RA 2013): 1983
123	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	Moisture Content	IS 1708 (Part 1 to 18)(RA 2015): 1986
124	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	Specific gravity	IS 1708 (Part 1 to 18) (RA 2015) : 1986

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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (C valuey	IS 2720 (Part 13) (RA 2016): 1986
2	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (FI Valuey	IS 2720 (Part 13)(RA 2016): 1986
3	MECHANICAL- SOIL AND ROCK	Soil	eV2/eV1 by Plate load test	DIN 18134: 2012
4	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density by Core cutting method	IS 2720 (Part 29)(RA 2015): 1990
5	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density by Sand Replacement method	IS 2720 (Part 28)(RA 2015 : 1990
6	MECHANICAL- SOIL AND ROCK	Soil	Safe Bearing Capacity by Plate load test	IS 1888 (RA 2016): 1982
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structural Members	Carbonation Test	BS 1881(Part 201): 1986
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structural Members	Half- Cell Potential Test	ASTM C 876 : 1999

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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structural Members	Pile Integrity Test (Pile Height: 2 m to 50 my	IS 14893 (RA 2015): 2001
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structural Members	Rebound Hammer Test	IS 13311(Part 2) (RA 2013): 1992
11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structural Members	Ultrasonic Pulse Velocity	IS 13311(Part 1) (RA 2013): 1992

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